

Spreadsheet Level	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>03 CONCRETE</b>			
<b>03100 Concrete Forms &amp; Accessories</b>			
Column forms; square, job built; 36" x 36"; 4 uses	1,055.21 sf	15.08 /sf	15,916
Footing forms, job built; continuous wall; 4 uses	1,170.00 sf	10.21 /sf	11,944
Footing forms, job built; column footing, spread; 4 uses	582.00 sf	12.03 /sf	6,999
Slab forms, job built; edge; 6" high; 4 uses	99.00 lf	9.58 /lf	948
Slab forms, job built; edge; 12" high; 4 uses	48.00 lf	10.21 /lf	490
Wall forms, job built; exterior; up to 8' high; 4 uses	5,850.00 sf	10.61 /sf	62,061
Keyway form (5 uses); 2" x 4"	585.00 lf	5.55 /lf	3,245
Chamfer strip; wood; 3/4" wide	444.64 lf	2.71 /lf	1,204
Expansion joint, premolded, in slabs; polyethylene foam; 1/2" x 6"	550.00 lf	3.77 /lf	2,073
Vapor barrier; 6 mil polyethylene	13,673.00 sf	0.33 /sf	4,472
Gravel porous fill, under floor slab, 3/4" stone	258.11 cy	145.79 /cy	37,630
<b>03100 Concrete Forms &amp; Accessories</b>			146,983
<b>03200 Concrete Reinforcement</b>			
Wall rebar; concrete; #3 - #4	0.86 ton	3,263.40 /ton	2,807
Column rebar; #3 - #4	0.27 ton	4,651.80 /ton	1,265
Column rebar; #5 - #6	0.38 ton	3,809.74 /ton	1,459
Footing rebar; grade 60; #3 - #4	1.24 ton	3,494.80 /ton	4,316
Footing rebar; grade 60; #5 - #6	0.99 ton	3,038.40 /ton	2,996
Slab rebar; #3 - #4	6.21 ton	3,494.80 /ton	21,696
Slab wire mesh; standard; 6" x 6"; W1.4 x W1.4	3,125.00 sf	0.69 /sf	2,144
<b>03200 Concrete Reinforcement</b>			36,682
<b>03300 Cast-in-Place Concrete</b>			
Column concrete; 2500 or 3000 psi; by pump	22.61 cy	269.12 /cy	6,086
Elevated slab concrete; 2500 or 3000 psi; by pump	40.99 cy	199.59 /cy	8,182
Continuous footing concrete; 2500 or 3000 psi; by chute	28.89 cy	171.76 /cy	4,962
Spread footing concrete; 2500 or 3000 psi; under 5 cy; by chute	27.33 cy	171.76 /cy	4,695
Slab on grade concrete; 3500 or 4000 psi; by chute	259.89 cy	173.82 /cy	45,173
Wall concrete; 2500 or 3000 psi; to 4'; by chute	72.22 cy	167.22 /cy	12,077
Floor finish; screed	17,063.00 sf	1.19 /sf	20,319
Wall finish; break ties and patch holes	2,925.00 sf	1.91 /sf	5,573
Concrete curing; sprayed membrane; slabs	17,063.00 sf	0.22 /sf	3,724
<b>03300 Cast-in-Place Concrete</b>			110,790
<b>03600 Grouts</b>			
Grouting for bases; non-shrink; non-metallic; 2" deep	126.33 sf	35.35 /sf	4,466
<b>03600 Grouts</b>			4,466
<b>03 CONCRETE</b>			298,921
<b>05 METALS</b>			
<b>05100 Structural Metal Framing</b>			
Structural steel; beams and girders, A-36; bolted	1.85 ton	4,203.52 /ton	7,768
Structural steel; tube; greater than 6" wide rectangular; heavy sections	1.41 ton	5,317.34 /ton	7,508
<b>05100 Structural Metal Framing</b>			15,276
<b>05200 Metal Joists</b>			
Metal joist; K series	9.76 ton	2,834.25 /ton	27,668
<b>05200 Metal Joists</b>			27,668
<b>05300 Metal Deck</b>			
Metal deck; open type, galvanized; 1 1/2" deep; 20 ga	3,125.00 sf	4.87 /sf	15,229
<b>05300 Metal Deck</b>			15,229
<b>05500 Metal Fabrications</b>			
Metal stair; pan type with cement fill, steel; per riser; tread; 4' wide	21.00 each	413.57 /each	8,685
Metal stair; pan type with cement fill, steel; per riser; landing	41.00 sf	130.55 /sf	5,353
Railing, pipe; 1 1/2" dia, welded steel; 3-rail; galvanized	120.00 lf	81.55 /lf	9,786
Railing, pipe; 1 1/2" dia, welded steel; wall mounted, single rail; galvanized	35.00 lf	43.73 /lf	1,530
<b>05500 Metal Fabrications</b>			25,354
<b>05 METALS</b>			83,527
<b>06 WOOD &amp; PLASTICS</b>			
<b>06100 Rough Carpentry</b>			
Blocking; steel construction; walls; 2" x 6"	72.00 lf	8.98 /lf	646

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<b>06100 Rough Carpentry</b>			<b>646</b>
<b>06 WOOD &amp; PLASTICS</b>			<b>646</b>
<b>07 THERMAL &amp; MOISTURE PROTECTION</b>			
<b>07200 Thermal Protection</b>			
Board insulation; polystyrene; wall; 2" thick, R8.33	2,475.00 sf	1.65 /sf	<b>4,089</b>
Batt insulation; wall, fiberglass; unfaced; 4" thick, R11	4,700.00 sf	1.39 /sf	<b>6,543</b>
<b>07200 Thermal Protection</b>			<b>10,631</b>
<b>07800 Fire &amp; Smoke Protection</b>			
Fireproofing; sprayed on; 1" thick; on beams	387.27 sf	3.38 /sf	<b>1,309</b>
Fireproofing; sprayed on; 1" thick; on columns	120.89 sf	3.15 /sf	<b>381</b>
Fireproofing; sprayed on; 1" thick; on decks; fluted surface	3,125.00 sf	2.55 /sf	<b>7,971</b>
<b>07800 Fire &amp; Smoke Protection</b>			<b>9,661</b>
<b>07 THERMAL &amp; MOISTURE PROTECTION</b>			<b>20,293</b>
<b>08 DOORS &amp; WINDOWS</b>			
<b>08100 Metal Doors &amp; Frames</b>			
Hollow metal frame, stock; 16 ga; 6 3/4" x 1 3/4"; 3'-0" x 7'-0"	5.00 each	327.76 /each	<b>1,639</b>
Hollow metal frame, stock; 16 ga; 6 3/4" x 1 3/4"; 6'-0" x 7'-0"	1.00 each	435.35 /each	<b>435</b>
Hollow metal frame, stock; 16 ga; 4 3/4" x 1 3/4"; sidelight, complete; 1'-0" x 7'-2"	7.00 each	562.76 /each	<b>3,939</b>
Hollow metal frame, stock; 16 ga; 5 3/4" x 1 3/4"; 3'-0" x 7'-0"	13.00 each	317.76 /each	<b>4,131</b>
Hollow metal frame, stock; 16 ga; 5 3/4" x 1 3/4"; 6'-0" x 7'-0"	1.00 each	390.35 /each	<b>390</b>
Flush hollow metal door; heavy duty, unrated; 18 ga; 1 3/4" thick; 3'-0" x 7'-0"	7.00 each	606.39 /each	<b>4,245</b>
<b>08100 Metal Doors &amp; Frames</b>			<b>14,779</b>
<b>08200 Wood &amp; Plastic Doors</b>			
Wood door; solid core; 1 3/4" thick; birch faced; 3'-0" x 7'-0"	15.00 each	400.94 /each	<b>6,014</b>
<b>08200 Wood &amp; Plastic Doors</b>			<b>6,014</b>
<b>08300 Specialty Doors</b>			
Top coiling grille, manually operated, steel or aluminum; opening; 6' high x 16' wide	1.00 each	4,896.43 /each	<b>4,896</b>
Sectional metal overhead door, complete; commercial grade; 12' x 12'	3.00 each	2,947.50 /each	<b>8,843</b>
<b>08300 Specialty Doors</b>			<b>13,739</b>
<b>08500 Windows</b>			
Steel window, primed; industrial; fixed sash	18.00 sf	59.82 /sf	<b>1,077</b>
<b>08500 Windows</b>			<b>1,077</b>
<b>08700 Hardware</b>			
Hinges; 4" x 4" butts, steel, standard	33.00 pair	31.00 /pair	<b>1,023</b>
Latchset, heavy duty; cylindrical	1.00 each	255.47 /each	<b>255</b>
Latchset, heavy duty; mortise	1.00 each	299.75 /each	<b>300</b>
Lockset, heavy duty; cylindrical	14.00 each	370.47 /each	<b>5,187</b>
Mortise locks and latchsets, chrome; entry lockset	6.00 each	402.29 /each	<b>2,414</b>
Door closer; surface mounted, traditional type, parallel arm; heavy duty	7.00 each	415.94 /each	<b>2,912</b>
<b>08700 Hardware</b>			<b>12,090</b>
<b>08 DOORS &amp; WINDOWS</b>			<b>47,699</b>
<b>09 FINISHES</b>			
<b>09100 Metal Support Assemblies</b>			
Metal framing; studs, non-load bearing, galvanized; 3 5/8"; 20 ga; 16" o.c.	4,700.00 sf	2.77 /sf	<b>12,998</b>
Ceiling suspension system; T-bar; 2' x 2'	2,920.00 sf	2.56 /sf	<b>7,487</b>
<b>09100 Metal Support Assemblies</b>			<b>20,484</b>
<b>09200 Plaster &amp; Gypsum Board</b>			
Metal framing; furring; on walls; 7/8" channel; 16" o.c.	1,987.50 sf	3.52 /sf	<b>6,997</b>
Scratch coat; for ceramic tile	46.67 sy	13.07 /sy	<b>610</b>
Drywall; plasterboard; 5/8"; nailed or screwed to walls	10,937.50 sf	1.56 /sf	<b>17,013</b>
Drywall; add for fire resistant	10,487.50 sf	0.12 /sf	<b>1,259</b>
Drywall; add for water resistant	450.00 sf	0.19 /sf	<b>86</b>
Drywall; add for taping and finishing joints; average	10,937.50 sf	0.72 /sf	<b>7,920</b>
<b>09200 Plaster &amp; Gypsum Board</b>			<b>33,883</b>
<b>09300 Tile</b>			
Tile; glazed ceramic wall; 4 1/4" x 4 1/4"; average	420.00 sf	12.05 /sf	<b>5,061</b>
Tile; glazed ceramic base; 4 1/4" high; average	105.00 lf	17.77 /lf	<b>1,866</b>
Tile; unglazed ceramic flooring; portland cement bed, cushion edge, face mounted; 2" x 2"	275.00 sf	17.85 /sf	<b>4,909</b>

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<b>09300 Tile</b>			<b>11,836</b>
<b>09500 Ceilings</b>			
Acoustical panels; mineral fiber; 3/4" thick; 2' x 2'	2,920.00 sf	3.65 /sf	<b>10,648</b>
<b>09500 Ceilings</b>			<b>10,648</b>
<b>09600 Flooring</b>			
Resilient wall base, vinyl; group 1; 4" high	690.00 lf	4.89 /lf	<b>3,375</b>
Resilient flooring; solid vinyl tile, 1/8" thick, 12" x 12"; solid colors	140.00 sf	9.37 /sf	<b>1,312</b>
Carpet; tile; foam backed; average	2,560.00 sf	7.03 /sf	<b>17,991</b>
<b>09600 Flooring</b>			<b>22,678</b>
<b>09900 Paints &amp; Coatings</b>			
Paint ceilings; spray; first coat; average	20.00 sf	0.38 /sf	<b>8</b>
Paint ceilings; spray; second coat; average	20.00 sf	0.33 /sf	<b>7</b>
Paint walls; spray; first coat; average	6,735.00 sf	0.31 /sf	<b>2,063</b>
Paint walls; spray; second coat; average	6,735.00 sf	0.29 /sf	<b>1,954</b>
<b>09900 Paints &amp; Coatings</b>			<b>4,030</b>
<b>09 FINISHES</b>			<b>103,559</b>
<b>10 SPECIALTIES</b>			
<b>10150 Compartments &amp; Cubicles</b>			
Toilet partition; metal; floor mounted	2.00 each	1,036.88 /each	<b>2,074</b>
Toilet partition; wheelchair accessible; painted metal; floor mounted	2.00 each	1,436.88 /each	<b>2,874</b>
Toilet partition; urinal screen; painted metal; floor mounted	2.00 each	555.94 /each	<b>1,112</b>
<b>10150 Compartments &amp; Cubicles</b>			<b>6,059</b>
<b>10800 Toilet, Bath &amp; Laundry Accessories</b>			
Grab bar, wall mounted; 1 1/2" dia; stainless steel; 36" long	2.00 each	119.13 /each	<b>238</b>
Grab bar, wall mounted; 1 1/2" dia; stainless steel; 42" long	2.00 each	129.20 /each	<b>258</b>
<b>10800 Toilet, Bath &amp; Laundry Accessories</b>			<b>497</b>
<b>10 SPECIALTIES</b>			<b>6,556</b>
<b>13 SPECIAL CONSTRUCTION</b>			
<b>13120 Pre-Engineered Structures</b>			
Pre-engineered metal building; 100' x 150'; 25' eave height	14,060.00 sf	25.07 /sf	<b>352,481</b>
<b>13120 Pre-Engineered Structures</b>			<b>352,481</b>
<b>13900 Fire Suppression</b>			
Fire Suppression Quote	17,500.00 gsf	4.00 /gsf	<b>70,000</b>
<b>13900 Fire Suppression</b>			<b>70,000</b>
<b>13 SPECIAL CONSTRUCTION</b>			<b>422,481</b>
<b>15 MECHANICAL</b>			
<b>15400 Plumbing Fixtures &amp; Equipment</b>			
Plumbing Quote	17,500.00 gsf	7.50 /gsf	<b>131,250</b>
<b>15400 Plumbing Fixtures &amp; Equipment</b>			<b>131,250</b>
<b>15700 Heating, Ventilating &amp; Air Conditioning Equipment</b>			
HVAC Quote	17,500.00 gsf	10.50 /gsf	<b>183,750</b>
<b>15700 Heating, Ventilating &amp; Air Conditioning Equipment</b>			<b>183,750</b>
<b>15 MECHANICAL</b>			<b>315,000</b>
<b>16 ELECTRICAL</b>			
<b>16200 Electrical Power</b>			
Electrical Power & Lighting Quote	17,500.00 gsf	12.00 /gsf	<b>210,000</b>
<b>16200 Electrical Power</b>			<b>210,000</b>
<b>16 ELECTRICAL</b>			<b>210,000</b>

**Estimate Totals**

Description	Amount	Totals	Hours	Rate	Unit Cost	% of Total
Labor	681,581		5,090.1 hrs		38.95 /gsf	39.62%
Material	740,574				42.32 /gsf	43.05%
Subcontract						
Equipment	86,526		175.1 hrs		4.94 /gsf	5.03%
Other						
<b>Trade Cost Subtotal</b>	<b>1,508,681</b>	<b>1,508,681</b>			<b>86.21 /gsf</b>	<b>87.69%</b>
General Conditions	105,608			7.000 %	6.03 /gsf	6.14%
<b>Construction Cost Subtotal</b>	<b>105,608</b>	<b>1,614,289</b>			<b>92.25 /gsf</b>	<b>6.14%</b>
Fee	80,714			5.000 %	4.61 /gsf	4.69%
Insurance	25,425			1.500 %	1.45 /gsf	1.48%
<b>Total</b>		<b>1,720,429</b>			<b>98.31 /gsf</b>	