

Estimate Detail

Description	Quantity	Unit	Cost/Unit	Amount
<b>03 - CONCRETE</b>	-			<b>\$ 298,921</b>
<b>031000.00 - Concrete Forming &amp; Accessories</b>	-			<b>\$ 146,983</b>
<b>031113.15 - Column Formwork</b>	-			<b>\$ 15,916</b>
Column forms; square, job built; 36" x 36"; 4 uses	1,055.21	sf	\$ 15.08	\$ 15,916
<b>031113.35 - Footing Formwork</b>	-			<b>\$ 18,944</b>
Footing forms, job built; continuous wall; 4 uses	1,170.00	sf	\$ 10.21	\$ 11,944
Footing forms, job built; column footing, spread; 4 uses	582.00	sf	\$ 12.03	\$ 6,999
<b>031113.55 - Slab/Mat Formwork</b>	-			<b>\$ 1,438</b>
Slab forms, job built; edge; 6" high; 4 uses	99.00	lf	\$ 9.58	\$ 948
Slab forms, job built; edge; 12" high; 4 uses	48.00	lf	\$ 10.21	\$ 490
<b>031113.65 - Wall Formwork</b>	-			<b>\$ 62,061</b>
Wall forms, job built; exterior; up to 8' high; 4 uses	5,850.00	sf	\$ 10.61	\$ 62,061
<b>031113.90 - Miscellaneous Formwork</b>	-			<b>\$ 4,449</b>
Keyway form (5 uses); 2" x 4"	585.00	lf	\$ 5.55	\$ 3,245
Chamfer strip; wood; 3/4" wide	444.64	lf	\$ 2.71	\$ 1,204
<b>031516.00 - Concrete Construction Joints</b>	-			<b>\$ 2,073</b>
Expansion joint, premolded, in slabs; polyethylene foam; 1/2" x 6"	550.00	lf	\$ 3.77	\$ 2,073
<b>031550.00 - Miscellaneous Concrete Accessories</b>	-			<b>\$ 42,102</b>
Vapor barrier; 6 mil polyethylene	13,673.00	sf	\$ 0.33	\$ 4,472
Gravel porous fill, under floor slab, 3/4" stone	258.11	cy	\$ 145.79	\$ 37,630
<b>032000.00 - Concrete Reinforcing</b>	-			<b>\$ 36,682</b>
<b>032111.00 - Plain Steel Reinforcement Bars</b>	-			<b>\$ 34,539</b>
Wall rebar; concrete; #3 - #4	0.86	ton	\$ 3,263.40	\$ 2,807
Column rebar; #3 - #4	0.27	ton	\$ 4,651.80	\$ 1,265
Column rebar; #5 - #6	0.38	ton	\$ 3,809.74	\$ 1,459
Footing rebar; grade 60; #3 - #4	1.24	ton	\$ 3,494.81	\$ 4,316
Footing rebar; grade 60; #5 - #6	0.99	ton	\$ 3,038.40	\$ 2,996
Slab rebar; #3 - #4	6.21	ton	\$ 3,494.80	\$ 21,696
<b>032211.00 - Plain Steel Welded Wire Fabric Reinforcing</b>	-			<b>\$ 2,144</b>
Slab wire mesh; standard; 6" x 6"; W1.4 x W1.4	3,125.00	sf	\$ 0.69	\$ 2,144
<b>033000.00 - Cast-in-Place Concrete</b>	-			<b>\$ 110,790</b>
<b>033100.15 - Column Concrete</b>	-			<b>\$ 6,086</b>
Column concrete; 2500 or 3000 psi; by pump	22.61	cy	\$ 269.12	\$ 6,086
<b>033100.20 - Elevated Slab Concrete</b>	-			<b>\$ 8,182</b>
Elevated slab concrete; 2500 or 3000 psi; by pump	40.99	cy	\$ 199.59	\$ 8,182
<b>033100.35 - Footing Concrete</b>	-			<b>\$ 9,656</b>
Continuous footing concrete; 2500 or 3000 psi; by chute	28.89	cy	\$ 171.76	\$ 4,962
Spread footing concrete; 2500 or 3000 psi; under 5 cy; by chute	27.33	cy	\$ 171.76	\$ 4,695
<b>033100.55 - Slab/Mat Concrete</b>	-			<b>\$ 45,173</b>
Slab on grade concrete; 3500 or 4000 psi; by chute	259.89	cy	\$ 173.82	\$ 45,173
<b>033100.65 - Wall Concrete</b>	-			<b>\$ 12,077</b>
Wall concrete; 2500 or 3000 psi; to 4'; by chute	72.22	cy	\$ 167.22	\$ 12,077
<b>033529.00 - Tooled Concrete Finishing</b>	-			<b>\$ 25,892</b>
Floor finish; screed	17,063.00	sf	\$ 1.19	\$ 20,319
Wall finish; break ties and patch holes	2,925.00	sf	\$ 1.91	\$ 5,573
<b>033923.00 - Membrane Concrete Curing</b>	-			<b>\$ 3,724</b>
Concrete curing; sprayed membrane; slabs	17,063.00	sf	\$ 0.22	\$ 3,724
<b>036000.00 - Grouting</b>	-			<b>\$ 4,466</b>
<b>036213.00 - Non-Metallic Non-Shrink Grouting</b>	-			<b>\$ 4,466</b>
Grouting for bases; non-shrink; non-metallic; 2" deep	126.33	sf	\$ 35.35	\$ 4,466
<b>05 - METALS</b>	-			<b>\$ 83,527</b>
<b>051000.00 - Structural Metal Framing</b>	-			<b>\$ 15,276</b>
<b>051223.00 - Structural Steel for Buildings</b>	-			<b>\$ 15,276</b>
Structural steel; beams and girders, A-36; bolted	1.85	ton	\$ 4,203.52	\$ 7,768
Structural steel; tube; greater than 6" wide rectangular; heavy sections	1.41	ton	\$ 5,317.34	\$ 7,508
<b>052000.00 - Metal Joists</b>	-			<b>\$ 27,668</b>
<b>052119.00 - Open Web Steel Joist Framing</b>	-			<b>\$ 27,668</b>
Metal joist; K series	9.76	ton	\$ 2,834.25	\$ 27,668
<b>053000.00 - Metal Decking</b>	-			<b>\$ 15,229</b>
<b>053113.00 - Steel Floor Decking</b>	-			<b>\$ 15,229</b>
Metal deck; open type, galvanized; 1 1/2" deep; 20 ga	3,125.00	sf	\$ 4.87	\$ 15,229

## Estimate Detail

Description	Quantity	Unit	Cost/Unit	Amount
<b>055000.00 - Metal Fabrications</b>	-			\$ 25,354
<b>055113.00 - Metal Pan Stairs</b>	-			\$ 14,038
Metal stair; pan type with cement fill, steel; per riser; tread; 4' wide	21.00	each	\$ 413.57	\$ 8,685
Metal stair; pan type with cement fill, steel; per riser; landing	41.00	sf	\$ 130.55	\$ 5,353
<b>055213.00 - Pipe &amp; Tube Railings</b>	-			\$ 11,317
Railing, pipe; 1 1/2" dia, welded steel; 3-rail; galvanized	120.00	lf	\$ 81.55	\$ 9,786
Railing, pipe; 1 1/2" dia, welded steel; wall mounted, single rail; galvanized	35.00	lf	\$ 43.72	\$ 1,530
<b>06 - WOOD, PLASTICS &amp; COMPOSITES</b>	-			\$ 646
<b>061000.00 - Rough Carpentry</b>	-			\$ 646
<b>061100.10 - Blocking</b>	-			\$ 646
Blocking; steel construction; walls; 2" x 6"	72.00	lf	\$ 8.98	\$ 646
<b>07 - THERMAL &amp; MOISTURE PROTECTION</b>	-			\$ 20,293
<b>072000.00 - Thermal Protection</b>	-			\$ 10,631
<b>072113.00 - Board Insulation</b>	-			\$ 4,089
Board insulation; polystyrene; wall; 2" thick, R8.33	2,475.00	sf	\$ 1.65	\$ 4,089
<b>072116.00 - Blanket Insulation</b>	-			\$ 6,543
Batt insulation; wall, fiberglass; unfaced; 4" thick, R11	4,700.00	sf	\$ 1.39	\$ 6,543
<b>078000.00 - Fire &amp; Smoke Protection</b>	-			\$ 9,661
<b>078116.00 - Cementitious Fireproofing</b>	-			\$ 9,661
Fireproofing; sprayed on; 1" thick; on beams	387.27	sf	\$ 3.38	\$ 1,309
Fireproofing; sprayed on; 1" thick; on columns	120.89	sf	\$ 3.15	\$ 381
Fireproofing; sprayed on; 1" thick; on decks; fluted surface	3,125.00	sf	\$ 2.55	\$ 7,971
<b>08 - OPENINGS</b>	-			\$ 47,699
<b>081000.00 - Doors &amp; Frames</b>	-			\$ 20,794
<b>081213.00 - Hollow Metal Frames</b>	-			\$ 10,535
Hollow metal frame, stock; 16 ga; 6 3/4" x 1 3/4"; 3'-0" x 7'-0"	5.00	each	\$ 327.76	\$ 1,639
Hollow metal frame, stock; 16 ga; 6 3/4" x 1 3/4"; 6'-0" x 7'-0"	1.00	each	\$ 435.35	\$ 435
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	\$ 3,939
Hollow metal frame, stock; 16 ga; 5 3/4" x 1 3/4"; 3'-0" x 7'-0"	13.00	each	\$ 317.76	\$ 4,131
Hollow metal frame, stock; 16 ga; 5 3/4" x 1 3/4"; 6'-0" x 7'-0"	1.00	each	\$ 390.35	\$ 390
<b>081313.00 - Hollow Metal Doors</b>	-			\$ 4,245
Flush hollow metal door; heavy duty, unrated; 18 ga; 1 3/4" thick; 3'-0" x 7'-0"	7.00	each	\$ 606.39	\$ 4,245
<b>081416.00 - Flush Wood Doors</b>	-			\$ 6,014
Wood door; solid core; 1 3/4" thick; birch faced; 3'-0" x 7'-0"	15.00	each	\$ 400.94	\$ 6,014
<b>083000.00 - Specialty Doors &amp; Frames</b>	-			\$ 13,739
<b>083326.00 - Overhead Coiling Grilles</b>	-			\$ 4,896
Top coiling grille, manually operated, steel or aluminum; opening; 6' high x 16' wide	1.00	each	\$ 4,896.43	\$ 4,896
<b>083613.00 - Sectional Doors</b>	-			\$ 8,843
Sectional metal overhead door, complete; commercial grade; 12' x 12'	3.00	each	\$ 2,947.50	\$ 8,843
<b>085000.00 - Windows</b>	-			\$ 1,077
<b>085123.00 - Steel Windows</b>	-			\$ 1,077
Steel window, primed; industrial; fixed sash	18.00	sf	\$ 59.82	\$ 1,077
<b>087000.00 - Hardware</b>	-			\$ 12,090
<b>087100.00 - Door Hardware</b>	-			\$ 12,090
Hinges; 4" x 4" butts, steel, standard	33.00	pair	\$ 31.00	\$ 1,023
Latchset, heavy duty; cylindrical	1.00	each	\$ 255.47	\$ 255
Latchset, heavy duty; mortise	1.00	each	\$ 299.75	\$ 300
Lockset, heavy duty; cylindrical	14.00	each	\$ 370.47	\$ 5,187
Mortise locks and latchsets, chrome; entry lockset	6.00	each	\$ 402.29	\$ 2,414
Door closer; surface mounted, traditional type, parallel arm; heavy duty	7.00	each	\$ 415.94	\$ 2,912
<b>09 - FINISHES</b>	-			\$ 103,559
<b>092000.00 - Plaster &amp; Gypsum Board</b>	-			\$ 46,881
<b>092213.00 - Metal Furring</b>	-			\$ 6,997
Metal framing; furring; on walls; 7/8" channel; 16" o.c.	1,987.50	sf	\$ 3.52	\$ 6,997
<b>092216.00 - Non-Structural Metal Framing</b>	-			\$ 12,998
Metal framing; studs, non-load bearing, galvanized; 3 5/8"; 20 ga; 16" o.c.	4,700.00	sf	\$ 2.77	\$ 12,998
<b>092423.00 - Cement Stucco</b>	-			\$ 610
Scratch coat; for ceramic tile	46.67	sy	\$ 13.07	\$ 610
<b>092900.00 - Gypsum Board</b>	-			\$ 26,276

## Estimate Detail

Description	Quantity	Unit	Cost/Unit	Amount
Drywall; plasterboard; 5/8"; nailed or screwed to walls	10,937.50	sf	\$ 1.56	\$ 17,013
Drywall; add for fire resistant	10,487.50	sf	\$ 0.12	\$ 1,259
Drywall; add for water resistant	450.00	sf	\$ 0.19	\$ 86
Drywall; add for taping and finishing joints; average	10,937.50	sf	\$ 0.72	\$ 7,920
<b>093000.00 - Tiling</b>	-			<b>\$ 11,836</b>
<b>093013.00 - Ceramic Tiling</b>	-			<b>\$ 11,836</b>
Tile; glazed ceramic wall; 4 1/4" x 4 1/4"; average	420.00	sf	\$ 12.05	\$ 5,061
Tile; glazed ceramic base; 4 1/4" high; average	105.00	lf	\$ 17.77	\$ 1,866
Tile; unglazed ceramic flooring; portland cement bed, cushion edge, face mounted; 2" x 2"	275.00	sf	\$ 17.85	\$ 4,909
<b>095000.00 - Ceilings</b>	-			<b>\$ 18,134</b>
<b>095113.00 - Acoustical Panel Ceilings</b>	-			<b>\$ 10,648</b>
Acoustical panels; mineral fiber; 3/4" thick; 2' x 2'	2,920.00	sf	\$ 3.65	\$ 10,648
<b>095323.00 - Metal Acoustical Ceiling Suspension Assemblies</b>	-			<b>\$ 7,487</b>
Ceiling suspension system; T-bar; 2' x 2'	2,920.00	sf	\$ 2.56	\$ 7,487
<b>096000.00 - Flooring</b>	-			<b>\$ 22,678</b>
<b>096513.00 - Resilient Base &amp; Accessories</b>	-			<b>\$ 3,375</b>
Resilient wall base, vinyl; group 1; 4" high	690.00	lf	\$ 4.89	\$ 3,375
<b>096519.00 - Resilient Tile Flooring</b>	-			<b>\$ 1,312</b>
Resilient flooring; solid vinyl tile, 1/8" thick, 12" x 12"; solid colors	140.00	sf	\$ 9.37	\$ 1,312
<b>096813.00 - Tile Carpeting</b>	-			<b>\$ 17,991</b>
Carpet; tile; foam backed; average	2,560.00	sf	\$ 7.03	\$ 17,991
<b>099000.00 - Painting &amp; Coating</b>	-			<b>\$ 4,030</b>
<b>099123.00 - Interior Painting</b>	-			<b>\$ 4,030</b>
Paint ceilings; spray; first coat; average	20.00	sf	\$ 0.38	\$ 8
Paint ceilings; spray; second coat; average	20.00	sf	\$ 0.33	\$ 7
Paint walls; spray; first coat; average	6,735.00	sf	\$ 0.31	\$ 2,063
Paint walls; spray; second coat; average	6,735.00	sf	\$ 0.29	\$ 1,954
<b>10 - SPECIALTIES</b>	-			<b>\$ 6,556</b>
<b>102000.00 - Interior Specialties</b>	-			<b>\$ 6,556</b>
<b>102113.13 - Metal Toilet Compartments</b>	-			<b>\$ 6,059</b>
Toilet partition; metal; floor mounted	2.00	each	\$ 1,036.88	\$ 2,074
Toilet partition; wheelchair accessible; painted metal; floor mounted	2.00	each	\$ 1,436.88	\$ 2,874
Toilet partition; urinal screen; painted metal; floor mounted	2.00	each	\$ 555.94	\$ 1,112
<b>102813.00 - Toilet Accessories</b>	-			<b>\$ 497</b>
Grab bar, wall mounted; 1 1/2" dia; stainless steel; 36" long	2.00	each	\$ 119.13	\$ 238
Grab bar, wall mounted; 1 1/2" dia; stainless steel; 42" long	2.00	each	\$ 129.20	\$ 258
<b>13 - SPECIAL CONSTRUCTION</b>	-			<b>\$ 352,481</b>
<b>133000.00 - Special Structures</b>	-			<b>\$ 352,481</b>
<b>133419.00 - Metal Building Systems</b>	-			<b>\$ 352,481</b>
Pre-engineered metal building; 100' x 150'; 25' eave height	14,060.00	sf	\$ 25.07	\$ 352,481
<b>21 - FIRE SUPPRESSION</b>	-			<b>\$ 70,000</b>
<b>210000.00 - Fire Suppression - General</b>	-			<b>\$ 70,000</b>
<b>210000.01 - Fire Suppression - Subcontractors</b>	-			<b>\$ 70,000</b>
Fire Suppression Quote	17,500.00	gsf	\$ 4.00	\$ 70,000
<b>22 - PLUMBING</b>	-			<b>\$ 131,250</b>
<b>220000.00 - Plumbing - General</b>	-			<b>\$ 131,250</b>
<b>220000.01 - Plumbing - Subcontractors</b>	-			<b>\$ 131,250</b>
Plumbing Quote	17,500.00	gsf	\$ 7.50	\$ 131,250
<b>23 - HVAC</b>	-			<b>\$ 183,750</b>
<b>230000.00 - HVAC - General</b>	-			<b>\$ 183,750</b>
<b>230000.01 - HVAC - Subcontractors</b>	-			<b>\$ 183,750</b>
HVAC Quote	17,500.00	gsf	\$ 10.50	\$ 183,750
<b>26 - ELECTRICAL</b>	-			<b>\$ 210,000</b>
<b>260000.00 - Electrical - General</b>	-			<b>\$ 210,000</b>
<b>260000.01 - Electrical - Subcontractors</b>	-			<b>\$ 210,000</b>
Electrical Power & Lighting Quote	17,500.00	gsf	\$ 12.00	\$ 210,000
<b>Trade Cost Subtotal</b>				<b>\$ 1,508,681</b>
General Conditions				\$ 105,608
<b>Construction Cost Subtotal</b>				<b>\$ 1,614,289</b>

## Estimate Detail

<i>Description</i>	<i>Quantity</i>	<i>Unit</i>	<i>Cost/Unit</i>	<i>Amount</i>
		Fee		\$ 80,714
		Insurance		\$ 25,425
				\$ 1,720,429