

CONSTRUCTION COST ESTIMATE BREAKDOWN

CONTRACTOR				ADDRESS									
								TOTAL MATERIAL COST		\$	325,893		
								TOTAL LABOR COST		\$	134,388		
								SUBTOTAL		\$	460,282		
								SALES TAX		6.00%	\$ 19,554		
								LABOR BURDEN		10.00%	\$ 13,439		
								OVERHEAD & PROFIT		25.00%	\$ 115,070		
								BONDING		2.00%	\$ 12,167		
								CONTINGENCY / WASTAGE		5.00%	\$ 23,014		
								PROPOSED PROJECT AMOUNT		\$	643,526		
								TOTAL MANHOURS			2388.44		
DATE		PROJECT NAME		SCOPE OF WORK				PROJECT LOCATION					
				STRUCTURAL AND MISCELLANEOUS METALS									
LINE NO.	DWG REF./CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY			LABOR HOURS	LABOR RATE			LINE TOTAL	TRADE TOTAL W/S.TAX, O&P	
					UNIT PRICE	TOTAL COST			UNIT PRICE	TOTAL COST			
	DIV. 05	METALS			SUBTOTAL MATERIAL	\$ 325,893			SUBTOTAL LABOR	\$ 134,388		\$ 460,282	\$ 643,526
		STRUCTURAL STEEL											
		BEAMS											
1	S1.2, S1.3, S3.1, S3.2	(2) HSS 2-1/2x2-1/2x5/16 STUB BEAM	LF	9	\$20.38	\$177.30	1.43	\$74.58	\$12.23	\$106.41	\$283.70		
2		HSS 5x3x1/4 BEAM BETWEEN OUTRIGGERS	LF	19	\$18.38	\$342.25	1.51	\$74.58	\$6.04	\$112.48	\$454.73		
3		HSS 5x3x1/4 BEAM BETWEEN JOISTS	LF	79	\$18.38	\$1,457.05	6.42	\$74.58	\$6.04	\$478.85	\$1,935.90		
4		HSS 5x3x5/16 BEAM W/ 3/8" THK. 8"W CONTINUOUS PLATE	LF	174	\$18.38	\$3,193.67	14.07	\$74.58	\$6.04	\$1,049.59	\$4,243.26		
5		HSS2-1/2x2-1/2x5/16 BEAM	LF	16	\$10.17	\$164.94	1.33	\$74.58	\$6.12	\$99.13	\$264.07		
6		HSS 5x5x1/2 BEAM	LF	14	\$25.06	\$341.30	1.17	\$74.58	\$6.41	\$87.35	\$428.65		
7		HSS 5x5x1/4 BEAM	LF	13	\$25.06	\$324.26	1.11	\$74.58	\$6.41	\$82.99	\$407.25		
8		HSS12X6X5/8 BEAM	LF	233	\$92.90	\$21,661.29	17.02	\$74.58	\$5.44	\$1,269.36	\$22,930.66		
9		W8x24 HOIST BEAM	LF	9	\$36.44	\$315.59	0.88	\$74.58	\$7.57	\$65.60	\$381.18		
10		HSS2-1/2x2-1/2x5/16 BEAM	LF	37	\$10.17	\$376.47	3.03	\$74.58	\$6.12	\$226.27	\$602.74		
11		W10x12 BEAM	LF	6	\$18.17	\$104.50	0.54	\$74.58	\$6.98	\$40.12	\$144.62		
12		W10x15 BEAM	LF	63	\$22.54	\$1,413.94	5.87	\$74.58	\$6.98	\$437.77	\$1,851.71		
13		W12x22 BEAM	LF	49	\$33.57	\$1,650.06	3.13	\$74.58	\$4.75	\$233.57	\$1,883.62		
14		W12x30 BEAM	LF	62	\$46.03	\$2,848.00	4.15	\$74.58	\$5.00	\$309.15	\$3,157.15		
15		W14x22 BEAM	LF	79	\$33.57	\$2,665.40	4.05	\$74.58	\$3.80	\$302.03	\$2,967.43		
16		W14x26 BEAM	LF	48	\$39.32	\$1,905.01	2.74	\$74.58	\$4.21	\$204.16	\$2,109.17		
17		W14x30 BEAM	LF	33	\$45.55	\$1,495.49	2.04	\$74.58	\$4.64	\$152.34	\$1,647.83		
18		W16x26 BEAM	LF	24	\$39.32	\$961.74	1.37	\$74.58	\$4.18	\$102.24	\$1,063.98		
19		W16x45 BEAM	LF	107	\$68.09	\$7,267.82	7.47	\$74.58	\$5.22	\$557.23	\$7,825.05		
20		W18x35 BEAM	LF	65	\$53.22	\$3,448.42	5.40	\$68.68	\$5.72	\$370.83	\$3,819.25		
21		W18x46 BEAM	LF	70	\$69.53	\$4,875.27	5.84	\$68.68	\$5.72	\$401.34	\$5,276.61		
22		W21x50 BEAM	LF	49	\$75.76	\$3,675.92	3.65	\$68.68	\$5.16	\$250.39	\$3,926.32		
23		W24x68 BEAM	LF	65	\$102.61	\$6,684.21	4.69	\$68.68	\$4.95	\$322.27	\$7,006.48		
24		W24x94 BEAM	LF	70	\$142.89	\$10,020.95	5.20	\$68.68	\$5.09	\$357.13	\$10,378.08		
		COLUMNS											
25	S1.2, S1.3	HSS6x6x3/8 STEEL COLUMNS NO. OF COLUMNS @13'-0" HT: 4 NO. OF COLUMNS @16'-0" HT: 11 NO. OF COLUMNS @16'-8" HT: 11	LF	411	\$42.75	\$17,587.41	35.68	\$74.58	\$6.47	\$2,660.98	\$20,248.40		
		JOISTS											
26		2.5 K1 JOISTS @ 2'-6" O.C	LF	26	\$2.16	\$55.93	1.66	\$70.21	\$4.49	\$116.47	\$172.40		
27		10K1 JOIST @ 5'-0" O.C W/ L4x4z1/4 W/ (4) 3/4" A325 BOLTS	LF	102	\$4.61	\$468.57	6.78	\$70.21	\$4.68	\$475.70	\$944.26		
28		10K1 JOISTS @ 1'-8" O.C	LF	13	\$4.61	\$57.98	0.84	\$70.21	\$4.68	\$58.86	\$116.85		
29		10K1 JOISTS @ 2'-4" O.C	LF	40	\$4.61	\$186.08	2.69	\$70.21	\$4.68	\$188.91	\$374.99		
30		10K1 W/ R3 EXTENTIONS JOISTS @ 5'-0" O.C W/ L4x4z1/4 W/ (4) 3/4" A325 BOLTS	LF	150	\$4.91	\$736.10	10.33	\$70.21	\$4.84	\$725.56	\$1,461.66		
31		12K3 JOIST	LF	47	\$5.27	\$246.48	2.49	\$70.21	\$3.74	\$174.99	\$421.47		
32		16K2 JOIST	LF	50	\$5.80	\$290.68	2.23	\$70.21	\$3.12	\$156.41	\$447.09		
33		16K3 JOIST	LF	111	\$7.48	\$832.47	4.95	\$70.21	\$3.12	\$347.45	\$1,179.92		
34		16K2 JOISTS @ 1'-6" O.C	LF	38	\$5.80	\$221.98	1.70	\$70.21	\$3.12	\$119.45	\$341.43		
35		16K2 JOISTS @ 2'-0" O.C	LF	57	\$5.80	\$330.89	2.54	\$70.21	\$3.12	\$178.05	\$508.93		

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36		16K2 JOISTS @ 2'-4" O.C	LF	76	\$5.80	\$442.69	3.39	\$70.21	\$3.12	\$238.21	\$680.90	
37		16K2 JOISTS @ 2'-6" O.C	LF	586	\$5.80	\$3,398.32	26.04	\$70.21	\$3.12	\$1,828.61	\$5,226.92	
38		16K2 ROOF JOISTS @ 3'-8" O.C	LF	25	\$5.80	\$143.77	1.10	\$70.21	\$3.12	\$77.36	\$221.13	
39		16K2 ROOF JOISTS @ 4'-6" O.C	LF	174	\$5.80	\$1,011.11	7.75	\$70.21	\$3.12	\$544.07	\$1,555.17	
40		16K2 ROOF JOISTS @ 5'-0" O.C	LF	150	\$5.80	\$869.77	6.67	\$70.21	\$3.12	\$468.02	\$1,337.79	
41		16K2 ROOF JOISTS @ 3'-6" O.C	LF	25	\$5.80	\$144.76	1.11	\$70.21	\$3.12	\$77.89	\$222.65	
42		20K4 JOISTS @ 1'-6" O.C	LF	50	\$7.72	\$385.15	2.00	\$70.21	\$2.81	\$140.44	\$525.58	
43		20K4 JOISTS @ 2'-6" O.C	LF	674	\$7.72	\$5,204.17	27.03	\$70.21	\$2.81	\$1,897.58	\$7,101.75	
44		22K4 JOISTS @ 2'-6" O.C	LF	17	\$8.25	\$137.07	0.67	\$70.21	\$2.81	\$46.78	\$183.86	
45		22K6 JOISTS @ 2'-0" O.C	LF	60	\$9.11	\$542.89	2.16	\$70.21	\$2.55	\$151.98	\$694.88	
46		22K6 JOISTS @ 2'-4" O.C	LF	90	\$9.11	\$821.49	3.28	\$70.21	\$2.55	\$229.98	\$1,051.47	
47		22K6 JOISTS @ 2'-6" O.C	LF	838	\$9.11	\$7,633.69	30.44	\$70.21	\$2.55	\$2,137.04	\$9,770.73	
48		22KCS3 JOISTS @ 2'-6" O.C	LF	60	\$12.64	\$752.06	2.38	\$70.21	\$2.81	\$167.10	\$919.16	
49		10K1 ROOF JOISTS @ 3'-6" O.C	LF	30	\$4.61	\$138.84	2.01	\$70.21	\$4.68	\$140.96	\$279.80	
50		10K1 ROOF JOISTS @ 4'-6" O.C	LF	57	\$4.61	\$261.91	3.79	\$70.21	\$4.68	\$265.90	\$527.81	
51		12K1 ROOF JOISTS @ 3'-6" O.C	LF	76	\$4.84	\$369.13	3.96	\$70.21	\$3.65	\$278.27	\$647.40	
52		12K1 ROOF JOISTS @ 3'-8" O.C	LF	51	\$4.84	\$248.49	2.67	\$70.21	\$3.65	\$187.33	\$435.82	
53		12K1 ROOF JOISTS @ 4'-6" O.C	LF	179	\$4.84	\$865.77	9.30	\$70.21	\$3.65	\$652.68	\$1,518.45	
54		16K2S2 ROOF JOISTS @ 3'-5" O.C	LF	120	\$5.80	\$694.84	5.33	\$70.21	\$3.12	\$373.89	\$1,068.73	
55		12K1 ROOF JOISTS @ 5'-0" O.C	LF	153	\$4.84	\$740.39	7.95	\$70.21	\$3.65	\$558.16	\$1,298.55	
56		16K3 ROOF JOISTS @ 3'-8" O.C	LF	30	\$5.80	\$173.54	1.33	\$70.21	\$3.12	\$93.38	\$266.91	
57		16K3 ROOF JOISTS @ 4'-6" O.C	LF	210	\$5.80	\$1,215.74	9.32	\$70.21	\$3.12	\$654.18	\$1,869.92	
58		16K3 ROOF JOISTS @ 5'-0" O.C	LF	179	\$5.87	\$1,053.03	8.25	\$70.21	\$3.23	\$579.47	\$1,632.50	
		OUTRIGGERS										
59		HSS 5x5x1/4 ROOF OUTRIGGERS @ 3'-3" O.C MAX.	LF	132	\$25.06	\$3,311.25	11.36	\$74.58	\$6.41	\$847.50	\$4,158.76	
60		L2-1/2x2-1/2x1/4 OUTRIGGERS @ 3'-0" O.C	LF	106	\$3.39	\$358.84	35.30	\$54.92	\$18.29	\$1,938.56	\$2,297.40	
		HEADERS										
61		C9x15 HEADER	LF	10	\$23.17	\$233.78	6.75	\$54.92	\$36.76	\$370.87	\$604.65	
62		C10x15.3 HEADER	LF	25	\$8.67	\$212.92	18.30	\$54.92	\$40.91	\$1,004.81	\$1,217.73	
		PLATES										
63		BP-1: 1'-0" x 1'-0" x 1" THK.BASE PLATE W/ #4 - 3/4"DIA ANCHOR ROD - ANCHOR ROD SHALL BE ASTM F1554 MATERIAL. - 1/2"x7-1/2"x10" BEARING PLATE - L4x4x3/8x8" LONG W/ (2) 5/8" HILTI HUS-EZ @ 6" O.C. (EMBED 3-1/4") - L5x3-1/2x1/2 (LLV) x 0'-6" W/ 1/2" STIFFNER PLATE AT BOTH SIDES OF COLUMNS -PLATE 3/4" W/ (4) 3/4" DIA A325 BOLTS -12"x9"x1/2" PL W/ (4) 3/4"DIA A325 BOLTS AT SHEAR SPLICE - 3 SIDE ANGLE TO COLUMN	EA	22	\$110.76	\$2,436.82	13.16	\$49.18	\$29.41	\$646.95	\$3,083.77	
64		BP-2: 1'-0" x 1'-0" x 1" THK.BASE PLATE W/ #4 - 3/4"DIA ANCHOR ROD W/ 1/4"x2"x2" PL WASHER L4x4x3/8 x 0'-6" W/ (4) 3/4" DIA A325 BOLTS - ANCHOR ROD SHALL BE ASTM F1554 MATERIAL. - L4x4x1/4 W/ (4) 3/4" A325 BOLTS, TYP AT COLUMNS BOTH SIDES	EA	4	\$110.76	\$443.06	2.39	\$49.18	\$29.41	\$117.63	\$560.69	
65		BRG. PL 3/8"x7-1/2"x1/2" W/ 1/2" DIA x 4" LG. HEADED STUDS @ 4" O.C	LF	424	\$58.12	\$24,640.93	117.45	\$49.18	\$13.62	\$5,775.56	\$30,416.49	
66		1/4X8X12 PLATE @ OUTRIGGERS	LF	119	\$27.09	\$3,213.35	19.45	\$49.18	\$8.06	\$956.56	\$4,169.92	

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67		1/4x8x16 PLATE @ 5'-0"	EA	20	\$154.88	\$3,097.57	16.80	\$49.18	\$41.30	\$825.95	\$3,923.52	
68		8"x3/8" CONTINUOUS PLATE W/ 1/2"DIA x5" HEADED STUD ANCHOR BOLTS	LF	32	\$61.99	\$2,002.89	9.01	\$49.18	\$13.72	\$443.29	\$2,446.18	
69		12"x4"x3/8"x4" LONG BENT PLATE	LF	25	\$30.98	\$760.76	4.13	\$49.18	\$8.26	\$202.85	\$963.62	
70		CONTINUOUS 3/8"x16" PLATE	LF	2	\$97.82	\$237.70	1.03	\$49.18	\$20.82	\$50.59	\$288.28	
71		CONTINUOUS 3/8"x18" PLATE	LF	120	\$105.49	\$12,629.26	52.32	\$49.18	\$21.49	\$2,572.74	\$15,202.01	
72		CONTINUOUS 10"x3-1/2"x1/2" THK. BENT PLATE	LF	119	\$35.20	\$4,184.02	19.97	\$49.18	\$8.26	\$981.89	\$5,165.91	
73		CONTINUOUS PLATE 1/4x4 W/ 1/2" DIA x5" HEADED SHEAR STUDS @ 16" O.C.	LF	38	\$35.20	\$1,335.31	6.37	\$49.18	\$8.26	\$313.37	\$1,648.68	
74		CONTINUOUS PLATE 3/8"x7-1/2" W/ (1) 1/2"DIA x 5" HAEDD STUD ANCHOR @ 16" O.C	LF	11	\$58.12	\$621.25	2.96	\$49.18	\$13.62	\$145.61	\$766.87	
75		HSS8x6x1/2 LSV W/ 7"x1/4" PLATE	LF	32	\$62.22	\$1,966.07	2.84	\$74.58	\$6.71	\$212.10	\$2,178.17	
76		HSS8x6x3/8 LSV W/ 7"x1/4" PLATE	LF	13	\$54.52	\$697.85	1.15	\$74.58	\$6.71	\$85.91	\$783.76	
77		PLATE 3/8"x7-1/2"x7-1/2" W/ (2) 1/2" DIA x5" LG HD STUDS @ 5" O.C	EA	4	\$239.75	\$839.13	4.81	\$49.18	\$67.62	\$236.66	\$1,075.78	
		ANGLES										
78		(2) L4x4x1/4 5" LONG ANGLE	LF	116	\$18.51	\$2,143.68	132.96	\$54.92	\$63.04	\$7,301.72	\$9,445.40	
79		CONTINUOUS L4x3-1/2x1/4" LVL...	LF	119	\$8.01	\$956.19	62.69	\$54.92	\$28.83	\$3,442.71	\$4,398.90	
80		CONTINUOUS L4x3-1/2x1/4 LLV SHELF ANGLE W/ 5/8" DIA HILTI KWIK BOLT @ 24" O.C (EMBED 4")	LF	182	\$8.01	\$1,460.60	95.76	\$54.92	\$28.83	\$5,258.77	\$6,719.36	
81		CONTINUOUS L4x4x1/4 W/ 5/8" DIA HILTI KWIK BOLT @ 24" O.C. (EMBED 4")	LF	90	\$9.25	\$832.43	51.63	\$54.92	\$31.52	\$2,835.39	\$3,667.82	
82		CONTINUOUS L5x3-1/2x1/4 W/ 5/8" DIA HILTI KWIK HUS-EZ @ 24" O.C. (EMBED 3-1/4")	LF	123	\$12.34	\$1,517.61	83.24	\$54.92	\$37.18	\$4,571.43	\$6,089.05	
83		CONTINUOUS L5x3-1/2x1/4 ANGLE	LF	157	\$12.34	\$1,931.94	105.97	\$54.92	\$37.18	\$5,819.51	\$7,751.45	
84		CONTINUOUS L5x3-1/2x1/4 LLH w/ 5/8" DIA HILTI KWIK BOLT @ 24" O.C. (EMBED 4")	LF	31	\$12.34	\$382.98	21.01	\$54.92	\$37.18	\$1,153.64	\$1,536.62	
85	S1.2, S1.3	CONTINUOUS L5x3-1/2x1/4 LLV W/ 5/8" DIA HILTI KWIK HUS-EZ @ 24" O.C. (EMBED 3-1/4")	LF	115	\$12.34	\$1,419.37	77.86	\$54.92	\$37.18	\$4,275.50	\$5,694.86	
86		CONTINUOUS L5x3x1/4 LLV W/ 5/8" DIA HILTI KWIK HUS-EZ @ 24" O.C. (EMBED 3-1/4")	LF	57	\$12.34	\$701.04	38.45	\$54.92	\$37.18	\$2,111.72	\$2,812.77	
87		CONTINUOUS L5x4x1/4 W/ 5/8" DIA HILTI KWIK BOLT @ 24" O.C. (EMBED 4")	LF	80	\$14.43	\$1,153.63	54.51	\$54.92	\$37.45	\$2,993.60	\$4,147.23	
88		L3x3x1/4 ANGLE W/ L4x4x3/8 x 0'-6" W/ (4) 3/4" DIA A325 BOLTS	LF	139	\$5.95	\$826.47	58.47	\$54.92	\$23.10	\$3,210.79	\$4,037.26	
89		L4x4x1/4x6" ANGLE LONG W/ (2) 3/4" DIA A325 BOLTS	LF	94	\$9.25	\$869.91	53.96	\$54.92	\$31.52	\$2,963.06	\$3,832.96	
90		L4x4x1/4 LLV W/ 5/8" DIA HILTI KWIK HUS-EZ @ 24" O.C. (EMBED 3-1/4")	LF	15	\$9.25	\$142.05	8.81	\$54.92	\$31.52	\$483.86	\$625.91	
91		L4x4x3/8x8" LONG W/ (2) 5/8" DIA HILTI KWIK BOLTS @ 6" O.C (EMBED 4")	LF	25	\$9.25	\$229.05	14.21	\$54.92	\$31.52	\$780.17	\$1,009.21	
		CANOPY										
92		PRE ENGINEERED, PRE FABRICATED CANTILEVEREDD ALUMINUM CANOPY SYSTEM W/ CEILING- AWNEX 'COLORADO' 16" H. FLAT FACE W/ REAR GUTTER	SF	59	\$33.09	\$1,952.04	18.88	\$75.94	\$24.30	\$1,433.80	\$3,385.84	
		DECKING										
93		1-1/2" METAL ROOF DECK	SF	7941	\$1.85	\$14,697.76	87.35	\$53.52	\$0.59	\$4,674.78	\$19,372.54	
94	S1.2, S1.3	1.5B22 DECK AT PORCH	SF	980	\$2.28	\$2,236.13	15.68	\$53.52	\$0.86	\$838.91	\$3,075.04	
95		9/16" METAL DECK AT FLOOR	SF	6682	\$3.75	\$25,055.43	120.28	\$53.52	\$0.96	\$6,436.84	\$31,492.27	
		MISC. STEEL										
		STAIR - S1										

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DATE		PROJECT NAME			SCOPE OF WORK			PROJECT LOCATION					
					STRUCTURAL AND MISCELLANEOUS METALS								
LINE NO.	DWG REF./ CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY			LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST	LINE TOTAL	TRADE TOTAL W/ S.TAX, O&P	
					UNIT PRICE	TOTAL COST							
96	A4.5	4'-0" x 10" CONCRETE FILLED METAL PAN STAIR ASSEMBLY BY STAIR MANUFACTURER	EA	29	\$454.57	\$13,182.41	64.18	\$53.52	\$118.43	\$3,434.57	\$16,616.99		
97		9'-4" x 4'-8" CONCRETE FILLED METAL PAN INTERMEDIATE LANDING	EA	1	\$215.78	\$215.78	10.46	\$44.54	\$465.70	\$465.70	\$681.48		
98		9'-4" x 6'-2" CONCRETE FILLED METAL PAN INTERMEDIATE LANDING. PAINT EXPOSED STEEL	EA	1	\$282.91	\$282.91	13.89	\$44.54	\$618.50	\$618.50	\$901.41		
99		PAINTED STEEL GUARDRAIL MOUNTED HANDRAIL ASSEMBLY, CONTINUOUS 1 1/4" SCHED. 40 STEEL PIPE W/ HANDRAIL BRACKETS AT 48" OC. MAX	LF	36	\$39.80	\$1,424.79	7.77	\$53.52	\$11.61	\$415.75	\$1,840.54		
100		PAINTED STEEL WALL MOUNTED HANDRAIL ASSEMBLY, CONTINUOUS 1 1/4" SCHED. 40 STEEL PIPE W/ HANDRAIL BRACKETS AT 48" OC. MAX	LF	40	\$25.89	\$1,034.62	5.55	\$53.52	\$7.44	\$297.24	\$1,331.86		
101		PAINTED STEEL FLOOR MOUNTED GUARDRAIL ASSEMBLY, CONTINUOUS 1 1/4" SCHED. 40 STEEL PIPE GUARD W/ 1/2" SQ. STEEL PICKET AT 4" OC. MAX., PROVIDE 1 1/4" SCHED. 40 STEEL VERTICAL SUPPORTS AT 48" O.C. MAX.	LF	35	\$39.80	\$1,400.91	7.64	\$53.52	\$11.61	\$408.79	\$1,809.69		
102		STEEL CHANNEL STRINGER BY STAIR MANUFACTURER	LF	87	\$7.31	\$637.49	5.55	\$74.58	\$4.75	\$414.21	\$1,051.70		
103		1-1/4" SCHEDULED 40 STEEL PIPE VERTICAL CLEARANCE GUARD W/ VERT. SUPPORT AT 48" O.C.	LF	13	\$25.89	\$323.66	1.74	\$53.52	\$7.44	\$92.99	\$416.65		
			STAIR - S2 (LADDER)										
104	A4.5	2'-4"W x 17'-6" HT PRE MANUFACTURED, PRE ENGINEERED ALTERNATING TREAD DEVICE W/ 56 DEGREE INCLINE, 28" CLEAR WIDTH, 42" H. GUARD RAIL (PRECESSION LADDER OR EQUAL) MIN. 5" TREAD DEPTH, MIN. 8 1/2" PROJECTED TREAD DEPTH, MAX. 9 1/2" RISER HEIGHT	EA	1	\$3,730.51	\$3,730.51	4.55	\$53.72	\$244.22	\$244.22	\$3,974.73		
105		2'-4" x4'-0" CONCRETE FILLED METAL PAN INTERMEDIATE LANDING	EA	1	\$52.75	\$52.75	2.25	\$44.54	\$99.98	\$99.98	\$152.73		
		INTERIOR STAIR STEEL											
106		1 1/2" O.D. STAINLESS STEEL HANDRAIL W/ #4 FINISH	LF	77	\$26.61	\$2,049.14	10.70	\$53.52	\$7.44	\$572.79	\$2,621.94		
107		3/4" TEMP. GLASS GUARD ASSEMBLY W/ CONTINUOUS STAINLESS STEEL TOP CAP W/ BRUSHED FINISH (C.R. LAURENCE 'GRLC10' OR 'GRUC7') (4/12) SLOPE, ALUMINUM BASE SHOE W/ BRUSHED STAINLESS STEEL FINISH CLADDING	LF	104	\$159.19	\$16,492.50	24.14	\$53.52	\$12.47	\$1,291.84	\$17,784.34		
108		3'-6"W x 0'-9"D METAL STAIR PAN, BY PRE-ENGINEERED METAL STAIR	EA	28			9.10	\$74.58	\$24.24	\$678.66	\$678.66		
109		3'-6"W STAIR NOSING-ROUTE INTO TREAD	EA	28	\$5.23	\$146.34	0.93	\$74.58	\$2.48	\$69.54	\$215.88		
110		PAINTED STEEL TUBE STRINGER	LF	31	\$18.94	\$579.57	2.60	\$74.58	\$6.34	\$193.98	\$773.55		
111	A1.1, A4.6	STEEL LANDING SUPPORT TUBES BY PRE ENGINEERED METAL STAIR FABRICATOR HEIGHT OF SUPPORT: 8'-3" HT	EA	2			1.50	\$74.58	\$55.93	\$111.87	\$111.87		
112		BASE SHOE W/ STAINLESS STEEL CLADDING (#4 FINISH)	LF	104	\$9.01	\$933.91	7.43	\$74.58	\$5.35	\$554.08	\$1,488.00		
113		PROVIDE 1/4" STEEL END CAP AT BASE SHOE	EA	3	\$1.94	\$5.81	0.18	\$74.58	\$4.55	\$13.65	\$19.46		
114		PROVIDE WEDGE-SHAPE STEEL TUBE W/ END CAP	LF	14									
115		METAL STUD FRAMING AT 16" O.C. LENGTH: 3'-6" LF	EA	95	\$72.16	\$6,890.92	83.55	\$74.58	\$65.26	\$6,231.17	\$13,122.09		
116		STEEL CHANNEL FRAMING BY PRE-ENGINEERED STAIR FABRICATOR LENGTH: 3'-6" LF	EA	12			28.17	\$54.92	\$128.67	\$1,546.83	\$1,546.83		
		ROOF ACCESS HATCH											
117	A4.5	30"x54" ROOF HATCH, (BILCO 'NB' SERIES OR EQUAL)	EA	1	\$1,879.64	\$1,879.64	7.23	\$44.53	\$322.11	\$322.11	\$2,201.75		
		RAILING											
118	A1.1, A4.6	3'-6"H EXTERIOR METAL STAIR HANDRAIL	LF	12	\$25.89	\$305.54	1.64	\$53.52	\$7.44	\$87.78	\$393.32		

CONSTRUCTION COST ESTIMATE BREAKDOWN

CONTRACTOR						ADDRESS						
						TOTAL MATERIAL COST		\$ 325,893				
						TOTAL LABOR COST		\$ 134,388				
						SUBTOTAL		\$ 460,282				
						SALES TAX		6.00% \$ 19,554				
						LABOR BURDEN		10.00% \$ 13,439				
						OVERHEAD & PROFIT		25.00% \$ 115,070				
						BONDING		2.00% \$ 12,167				
						CONTINGENCY / WASTAGE		5.00% \$ 23,014				
						PROPOSED PROJECT AMOUNT		\$ 643,526				
		TOTAL MANHOURS		2388.44								
DATE		PROJECT NAME		SCOPE OF WORK		PROJECT LOCATION						
				STRUCTURAL AND MISCELLANEOUS METALS								
LINE NO.	DWG REF./ CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE	TOTAL COST	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST	LINE TOTAL	TRADE TOTAL W/ S.TAX, O&P
BOLLARDS												
119	A1.1, A1.7	8'-0"H BOLLARDS CONC. FILLED GLVANIZED 6" DIA SCHED. 40 PIPE POST, DOME TOP 72" BELOW GRADE. PROVIDE PAINT FINISH @8'-0" HT	EA	8	\$829.54	\$6,636.28	18.95	\$46.61	\$110.41	\$883.31	\$7,519.59	
120		7'-3"H BOLLARDS CONCRETE FILLED GALV. HSS 4"x4"x1/4" DOME TOP OF CONCRETE EMBEDDED IN 24" DIA CONCRETE FILLED HOLE TO MIN. 48" BELOW GRADE. PROVIDE PAINT FINISH	EA	2	\$752.82	\$1,505.63	4.29	\$46.61	\$100.07	\$200.13	\$1,705.76	
121		8'-0"H 6" DIA. GALV. STANDARD WHEIGHT STEEL PIPE BOLLARD WITH CONCRETE FOOTING. PROVIDE PAINT COLOR 3 FINISH, DOME TOP	EA	8	\$431.55	\$3,452.40	24.00	\$46.61	\$139.82	\$1,118.59	\$4,570.99	
METAL COPING												
122	A1.3	PRE FINISHED METAL COPING AT DUMPSTER & ROOF	LF	164	\$1.95	\$319.27	14.60	\$40.01	\$3.56	\$583.92	\$903.19	
GATES												
123	A1.1, A1.7	2'-10"W x 7'-3"H DUMPSTER ENCLOSURE GATE W/ GALVANIZED STEEL TUBE GATE FRAME ASSEMBLY: TREX COMPOSITE DECKING HSS 4"x2"x3/16" GALV. STEEL TUBE FRAME. PROVIDE 1 PAIR HEAVY DUTY BARREL GATE HINGES GATE CASTER DETAILS: - FIXED GALVANIZED STEEL CASTER ASSEMBLY - GALV. L3:x5"x1/4" STEEL ANGLE BRACKET GATE BOLT PLATE DETAILS: - 6"x6"x1/4" GALV. METAL PLATE - 3/4" DIA GALV. STEEL CAME BOLT ASSEMBLY GATE HING DETAILS: - W/ GALV. 6" SCHED 40 GALVANIZED STEEL PIPE HING POSTS (6.625" O.D x 0.28" WALLS x 6.065") - GALV. 7-1/2"DIA x 1/4" x 4" STEEL ROUND TUBE COLLAR HINGE (7.5" O.D. x 0.25" WALL x 7" I.D) - GALV. HSS 2"x4"x1/4" STEEL TUBE FRAME - GALV. METAL PLATE (3-3/4" W x 3"H x 1/4" T) W/ 1/4" FILLET WELD	EA	1	\$527.45	\$527.45	2.55	\$46.26	\$117.73	\$117.73	\$645.18	

CONSTRUCTION COST ESTIMATE BREAKDOWN

CONTRACTOR							ADDRESS						
							TOTAL MATERIAL COST				\$	325,893	
							TOTAL LABOR COST				\$	134,388	
							SUBTOTAL				\$	460,282	
							SALES TAX		6.00%			\$	19,554
							LABOR BURDEN		10.00%			\$	13,439
							OVERHEAD & PROFIT		25.00%			\$	115,070
							BONDING		2.00%			\$	12,167
							CONTINGENCY / WASTAGE		5.00%			\$	23,014
							PROPOSED PROJECT AMOUNT				\$	643,526	
							TOTAL MANHOURS				2388.44		
DATE		PROJECT NAME			SCOPE OF WORK			PROJECT LOCATION					
					STRUCTURAL AND MISCELLANEOUS METALS								
LINE NO.	DWG REF./ CSI SEC.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE	TOTAL COST	LABOR HOURS	LABOR RATE	UNIT PRICE	TOTAL COST	LINE TOTAL	TRADE TOTAL W/ S.TAX, O&P	
124		5'-3"W x6'-8"H DUMPSTER ENCLOSURE GATE W/ GALVANIZED STEEL TUBE GATE FRAME ASSEMBLY: TREX COMPOSITE DECKING HSS 4"x2"x3/16" GALV. STEEL TUBE FRAME. PROVIDE 1 PAIR COLLAR HINGES W/ STOP EACH GATE CASTER DETAILS: - FIXED GALVANIZED STEEL CASTER ASSEMBLY - GALV. L3;x5"x1/4" STEEL ANGLE BRACKET GATE BOLT PLATE DETAILS: - 6"x6"x1/4" GALV. METAL PLATE - 3/4" DIA GALV. STEEL CAME BOLT ASSEMBLY GATE HING DETAILS: - W/ GALV. 6" SCHED 40 GALVANIZED STEEL PIPE HING POSTS (6.625" O.D x 0.28" WALLS x 6.065") - GALV. 7-1/2" DIA x 1/4" x 4" STEEL ROUND TUBE COLLAR HINGE (7.5" O.D. x 0.25" WALL x 7" I.D) - GALV. HSS 2"x4"x1/4" STEEL TUBE FRAME	EA	2	\$882.28	\$1,764.56	8.77	\$46.26	\$202.84	\$405.68	\$2,170.24		
		FENCING											
125		3'-6"H ORNAMENTAL METAL FENCE WITH PICKETS	LF	108	\$40.90	\$4,429.62	23.61	\$46.26	\$10.08	\$1,092.13	\$5,521.74		
		METAL PANELS											
126	A3.0, A3.1	12" HORIZ. CONCEALED FASTNER METAL PANEL W/ 2" REVEAL (COLOR 1) AT EXTERIOR	SF	2378	\$3.50	\$8,323.83	199.75	\$44.53	\$3.74	\$8,894.28	\$17,218.11		