

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT

PROJECT NAME: STRUCTURAL & MISC. METALS SAMPLE

LOCATION:



Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOURS	UNIT LABOR	TOTAL LABOR	TOTAL COST	REMARKS	TRADE COST
<b>01. GENERAL CONDITIONS</b>															
<b>\$0</b>															
<b>INDIRECT PROJECT COSTS</b>															
1		General Liability Insurance	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
2		General Conditions (Backoffice Overhead)	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
<b>DIRECT PROJECT COSTS</b>															
3		Bonding Fee (If required)	1.0	0%	1.0	%	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
4		Access Control (Pipe Scaffolding or Boom/Scissor Lifts)	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
5		Equipment Rental	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
6		Travel, Tools, Gas	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
7		Field Office	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
8		Temp. Facilities	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
9		Temp. Signage and Protection	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
10		Temp. Fencing	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
11		Field Superintendent/Foreman (Full Time)	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
12		Project Manager (Part Time)	1.0	0%	1.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
<b>05. METALS</b>															
<b>\$1,449,555</b>															
<b>STEEL BEAMS</b>															
13		W14 X 34	2222.6	5%	2333.7	LBS	\$ 3.80	\$ 8,868	0.026	60.68	\$ 144.00	\$ 8,737	\$ 17,606		
14		Beam: C12 X 20.7	674.8	5%	708.6	LBS	\$ 3.80	\$ 2,693	0.026	18.42	\$ 144.00	\$ 2,653	\$ 5,345		
15		Beam: C8 X 11.5	5154.4	5%	5412.1	LBS	\$ 3.80	\$ 20,566	0.026	140.72	\$ 144.00	\$ 20,263	\$ 40,829		
16		Beam: HSS 12 X 6 X 3/8	4060.3	5%	4263.4	LBS	\$ 3.80	\$ 16,201	0.026	110.95	\$ 144.00	\$ 15,962	\$ 32,163		
17		Beam: HSS 12 X 6 X 5/8	7517.2	5%	7893.0	LBS	\$ 3.80	\$ 29,994	0.026	205.22	\$ 144.00	\$ 29,551	\$ 59,545		
18		Beam: HSS 6 X 6 X 3/8	2224.0	5%	2335.2	LBS	\$ 3.80	\$ 8,874	0.026	60.71	\$ 144.00	\$ 8,743	\$ 17,616		
19		Beam: L6 X 4 X 3/8	343.3	5%	360.5	LBS	\$ 3.80	\$ 1,370	0.026	9.37	\$ 144.00	\$ 1,350	\$ 2,719		
20		Beam: L6 X 6 X 5/8	328.6	5%	345.1	LBS	\$ 3.80	\$ 1,311	0.026	8.97	\$ 144.00	\$ 1,292	\$ 2,603		
21		Beam: W 12 X 45	7860.5	5%	8235.5	LBS	\$ 3.80	\$ 31,363	0.026	214.59	\$ 144.00	\$ 30,901	\$ 62,265		
22		Beam: W 14 X 34	65.14	5%	68.40	LBS	\$ 3.80	\$ 2,599	0.026	17.78	\$ 144.00	\$ 2,561	\$ 5,160		
23		Beam: W 8 X 24	636.0	5%	667.8	LBS	\$ 3.80	\$ 2,538	0.026	17.36	\$ 144.00	\$ 2,500	\$ 5,038		
24		Beam: W 8 X 35	592.6	5%	622.2	LBS	\$ 3.80	\$ 2,364	0.026	16.18	\$ 144.00	\$ 2,329	\$ 4,694		
25		Beam: W10 X 26	15014.7	5%	15765.5	LBS	\$ 3.80	\$ 59,909	0.026	409.90	\$ 144.00	\$ 59,026	\$ 118,935		
26		Beam: W10 X 39	23428.1	5%	24599.5	LBS	\$ 3.80	\$ 93,478	0.026	639.59	\$ 144.00	\$ 92,100	\$ 185,579		
27		Beam: W10 X 45	3459.6	5%	3632.6	LBS	\$ 3.80	\$ 13,804	0.026	94.45	\$ 144.00	\$ 13,600	\$ 27,404		
28		Beam: W12 X 16	73.3	5%	76.9	LBS	\$ 3.80	\$ 292	0.026	2.00	\$ 144.00	\$ 288	\$ 580		
29		Beam: W12 X 19	1549.6	5%	1627.1	LBS	\$ 3.80	\$ 6,183	0.026	42.31	\$ 144.00	\$ 6,092	\$ 12,275		
30		Beam: W12 X 26	7763.3	5%	8151.5	LBS	\$ 3.80	\$ 30,976	0.026	211.94	\$ 144.00	\$ 30,519	\$ 61,495		
31		Beam: W12 X 30	1405.5	5%	1475.8	LBS	\$ 3.80	\$ 5,608	0.026	38.37	\$ 144.00	\$ 5,528	\$ 11,133		
32		Beam: W12 X 35	7344.4	5%	7711.6	LBS	\$ 3.80	\$ 29,304	0.026	200.50	\$ 144.00	\$ 28,872	\$ 58,176		
33		Beam: W12 X 40	3861.2	5%	4054.3	LBS	\$ 3.80	\$ 15,406	0.026	105.41	\$ 144.00	\$ 15,179	\$ 30,585		
34		Beam: W14 X 34	284.10	5%	2983.1	LBS	\$ 3.80	\$ 11,336	0.026	77.56	\$ 144.00	\$ 11,169	\$ 22,504		
35		Beam: W16 X 36	10483.3	5%	11007.7	LBS	\$ 3.80	\$ 4,183	0.026	28.62	\$ 144.00	\$ 4,121	\$ 8,304		
36		Beam: W16 X 45	3189.2	5%	3348.6	LBS	\$ 3.80	\$ 12,725	0.026	87.06	\$ 144.00	\$ 12,537	\$ 25,262		
37		Beam: W30 X 108	23579.6	5%	24758.6	LBS	\$ 3.80	\$ 94,083	0.026	643.72	\$ 144.00	\$ 92,696	\$ 186,779		
38		Beam: W8 X 18	1787.6	5%	1877.0	LBS	\$ 3.80	\$ 7,132	0.026	48.80	\$ 144.00	\$ 7,027	\$ 14,160		
39		Beam: W8 X 24	972.2	5%	1020.9	LBS	\$ 3.80	\$ 3,879	0.026	26.54	\$ 144.00	\$ 3,822	\$ 7,701		
40		Beam: W8 X 28	314.7	5%	330.5	LBS	\$ 3.80	\$ 1,256	0.026	8.59	\$ 144.00	\$ 1,237	\$ 2,493		
41		Beam: W8 X 31	4050.2	5%	4252.7	LBS	\$ 3.80	\$ 16,160	0.026	110.57	\$ 144.00	\$ 15,922	\$ 32,082		
42		Beam: W8 X 35	1760.5	5%	1848.5	LBS	\$ 3.80	\$ 7,024	0.026	48.06	\$ 144.00	\$ 6,921	\$ 13,945		
43		Beam: W14 X 20	1120.0	5%	1176.0	LBS	\$ 3.80	\$ 4,469	0.026	30.58	\$ 144.00	\$ 4,403	\$ 8,872		
44		Lintel: W8 X 21	1060.5	5%	1113.5	LBS	\$ 3.80	\$ 4,231	0.026	28.95	\$ 144.00	\$ 4,169	\$ 8,400		
45		Lintel: W8 X 15	260.7	5%	273.7	LBS	\$ 3.80	\$ 1,040	0.026	7.12	\$ 144.00	\$ 1,025	\$ 2,065		
46		Lintel: W8 X 25	497.8	5%	522.6	LBS	\$ 3.80	\$ 1,986	0.026	13.99	\$ 144.00	\$ 1,957	\$ 3,943		
<b>STEEL COLLUMNS</b>															
47	S171	Post: HSS 6 X 6 X 3/8 (9'-6" High)	9920.3	5%	10416.3	LBS	\$ 3.80	\$ 39,582	0.026	270.82	\$ 144.00	\$ 38,999	\$ 78,581		
<b>METALLIC FABRICATIONS</b>															
48	10/5401	12" X 6" X 1/2" Bearing Plate	2.0	0%	2.0	EA	\$ 49.03	\$ 98	0.735	1.47	\$ 144.00	\$ 212	\$ 310		
49	2/5401, 10/5401	3/4" Diameter HILTI HY270 Epoxy Anchors, Embedded To 6"	1280.0	0%	1280.0	EA	\$ 13.56	\$ 1,736	0.115	14.72	\$ 144.00	\$ 2,120	\$ 3,855		
50	3/5401	3/4" Diameter Anchors	12.0	0%	12.0	EA	\$ 9.49	\$ 114	0.108	1.30	\$ 144.00	\$ 187	\$ 301		
51	5/5403	Fitted WT4 X 20 Stiffener	6.0	0%	6.0	EA	\$ 145.00	\$ 870	1.700	10.20	\$ 144.00	\$ 1,469	\$ 2,339		
52	6/5403	3/4" Diameter HILTI HY-200, Embedded To 4"	20.0	0%	20.0	EA	\$ 13.56	\$ 271	0.115	2.30	\$ 144.00	\$ 331	\$ 602		
53		Base Plate: 12 X 7 X 1/2	1.0	0%	1.0	EA	\$ 59.55	\$ 60	0.890	0.89	\$ 144.00	\$ 128	\$ 188		
54		BP-1: 6" X 10" X 3/4" Base Plate	60.0	0%	60.0	EA	\$ 75.00	\$ 4,500	0.600	36.00	\$ 144.00	\$ 5,184	\$ 9,684		
55		BP-2: 6" X 7" X 1/2" Base Plate	13.0	0%	13.0	EA	\$ 66.00	\$ 858	0.600	7.80	\$ 144.00	\$ 1,123	\$ 1,981		
56		BP-4: 14" X 15" X 1" Base Plate	5.0	0%	5.0	EA	\$ 113.25	\$ 566	1.700	8.50	\$ 144.00	\$ 1,224	\$ 1,790		
57		BP-5: 11" X 31" X 2-1/2" Base Plate	10.0	0%	10.0	EA	\$ 441.12	\$ 4,411	3.500	35.00	\$ 144.00	\$ 5,040	\$ 9,451		
58		BP-6: 6" X 7" X 1/2" Base Plate	6.0	0%	6.0	EA	\$ 55.00	\$ 330	0.500	3.00	\$ 144.00	\$ 432	\$ 762		
<b>MASONRY ANGLES</b>															
59		1/2" X 12" Continuous Plate	1333.1	5%	1399.7	LBS	\$ 3.80	\$ 5,319	0.026	36.39	\$ 144.00	\$ 5,241	\$ 10,560		
60	1/5401, 6/5401	Continuous L4 X 4 X 5/16 Web Angle	965.2	5%	1013.5	LBS	\$ 3.80	\$ 3,851	0.026	26.35	\$ 144.00	\$ 3,794	\$ 7,646		
61	3/5401	Ledger: Continuous L6 X 4 X 3/8" LLV	4864.3	5%	5107.5	LBS	\$ 3.80	\$ 19,408	0.026	132.79	\$ 144.00	\$ 19,122	\$ 38,531		
62	4/5901	Continuous L6 X 4 X 3/8	440.2	5%	462.2	LBS	\$ 3.80	\$ 1,756	0.026	12.02	\$ 144.00	\$ 1,731	\$ 3,487		
63		Ledger: L6 X 4 X 5/16	3480.1	5%	3654.1	LBS	\$ 3.80	\$ 13,885	0.026	95.01	\$ 144.00	\$ 13,681	\$ 27,566		
<b>STAIRS</b>															
64	4/A475	MC 12 X 14.3 Painted Steel	5.0	5%	5.3	LF	\$ 30.03	\$ 158	0.286	1.50	\$ 144.00	\$ 216	\$ 374		
65		1-1/2" OD Painted Steel Pipe, Side Mounted Handrail	23.3	5%	24.5	LF	\$ 29.25	\$ 716	0.400	9.79	\$ 144.00	\$ 1,409	\$ 2,125		
66		1-1/2" ID Steel Pipe Handrail	342.6	5%	359.7	LF	\$ 27.10	\$ 9,748	0.350	125.90	\$ 144.00	\$ 18,129	\$ 27,877		
67		1/2" Diameter Vertical Steel Picket Guardrail Infill X 3'-0" High	117.0	5%	122.9	LF	\$ 51.77	\$ 6,360	0.650	79.85	\$ 144.00	\$ 11,499	\$ 17,859		
68		PTD Schedule 40 Steel Pipe Rails and Posts	63.0	5%	66.2	LF	\$ 46.31	\$ 3,063	0.650	43.00	\$ 144.00	\$ 6,192	\$ 9,255		
69		RL-01: Galvanized Steel Pipe Railing	158.6	5%	166.6	LF	\$ 53.40	\$ 8,895	0.700	116.60	\$ 144.00	\$ 16,790	\$ 25,685		
70		RL-01A: Painted Steel Pipe Railing	16.0	5%	16.8	LF	\$ 53.40	\$ 897	0.700	11.76	\$ 144.00	\$ 1,693	\$ 2,591		
71		RL-02: Wall Mounted Painted Steel Handrail	22.7	5%	23.8	LF	\$ 29.25	\$ 697	0.400	9.53	\$ 144.00	\$ 1,373	\$ 2,070		
72		Steel Metal Pan Support Steps With 7" High Risers and 12" Wide Treads	185.0	0%	185.0	RISERS	\$ 165.00	\$ 30,525	1.100	203.50	\$ 144.00	\$ 29,304	\$ 59,829		
<b>SUBTOTAL</b>												<b>\$1,449,555</b>			