

VERTICAL ESTIMATION

Project Title:

Location:

Bid Date/Time/Due:

Project Type: Open Shop/Non Union

Scope of Work: METALS

SR #	CSI CODE	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT OF MEASUREMENT	UNIT COST MATERIAL	TOTAL MATERIAL COST	LABOR HOURS	COST PER HOUR	TOTAL HOUR	TOTAL LABOR COST	TOTAL COST	TOTAL TRADE COST
	DIV.05	METALS												\$ -
													Labor Cost	\$ 58.00
		Metal Deckings												
1		0.6X26 (26 Guage) Non-Composite Galvanized CSV Conform Metal Floor Deck	5713.00	10%	6284	SF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
2		1"Thick Steel Bar Grating	1144.00	10%	1258	SF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
3		1.5" (22 Guage) Type "B" Painted Metal Roof Decking	20936.00	10%	23030	SF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Structural Steel Columns												
4		Column C-1: Hollow Steel Section 7X7X5/8"	316.00	10%	348	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
5		Column C-1A: Hollow Steel Section 7X7X5/8"	114.00	10%	125	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
6		Column C-1B: Hollow Steel Section 7X7X5/8"	87.00	10%	96	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
7		Column C-1C: Hollow Steel Section 7X7X5/8"	58.00	10%	64	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
8		Column C-2: Hollow Steel Section 7X7X5/16"	280.00	10%	308	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
9		Column C-2A: Hollow Steel Section 7X7X5/16"	56.40	10%	62	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
10		Column C-3: Hollow Steel Section 7X7X1/4"	281.00	10%	309	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
11		Column C-3A: Hollow Steel Section 7X7X1/4"	176.00	10%	194	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
12		Column C-4: Hollow Steel Section 6X6X5/16"	160.00	10%	176	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
13		Column C-4A: Hollow Steel Section 6X6X5/16"	80.00	10%	88	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
14		Column C-4B: Hollow Steel Section 6X6X5/16"	85.00	10%	94	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
15		Column C-5: Hollow Steel Section 6X6X1/4"	269.00	10%	296	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
16		Column C-6: Hollow Steel Section 6X6X1/4"	30.00	10%	33	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Column Base Plates												
17		Base Plate-A: 1'-4"x1'-2"x1" W/ Anchor Rod (6) 1" Dia A36 Rods, 15" Rod Embedment	19.00	0%	19	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
18		Base Plate-B: 1'-1"x1'-1"x3/4" W/ Anchor Rod (4) 3/4" Dia A307 Rods, 9" Rod Embedment	34.00	0%	34	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
19		Base Plate-C: 2'-6"x1'-2"x1'-1/4" W/ Anchor Rod (6) 1" Dia A36 Rods, 18" Rod Embedment	9.00	0%	9	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
20		Base Plate-D: 3'-8"x1'-2"x1'-1/4" W/ Anchor Rod (8) 1" Dia A36 Rods, 18" Rod Embedment	3.00	0%	3	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Hollow Steel Sections												
21		Hollow Steel Section 18X6X3/8	32.08	10%	35	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
22		Hollow Steel Section 6X2X1/2	20.06	10%	22	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
23		Hollow Steel Section 6X2X1/4	33.08	10%	36	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
24		Hollow Steel Section 6X2X1/4	252.64	10%	278	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
25		Hollow Steel Section 6X6X3/16	11.35	10%	12	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
26		Hollow Steel Section 6X6X3/8	73.84	10%	81	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
27		Hollow Steel Section 6X6X5/16	120.09	10%	132	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
28		Hollow Steel Section 7X7X5/16	169.10	10%	186	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
29		Hollow Steel Section 8X6X3/8	57.17	10%	63	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
30		Hollow Steel Section 8X6X5/16	29.96	10%	33	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Structural Metal Channels												
31		Metal Channel C12X20.7	87.00	10%	96	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
32		Metal Channel C6X8.2	61.62	10%	68	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		W- Steel Sections												
33		Steel Section W10X12	157.72	10%	173	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
34		Steel Section W12X14	250.32	10%	275	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
35		Steel Section W12X19	80.68	10%	89	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
36		Steel Section W14X22	669.23	10%	736	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
37		Steel Section W14X26	14.97	10%	16	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
38		Steel Section W14X34	90.12	10%	99	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
39		Steel Section W16X26	120.01	10%	132	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
40		Steel Section W16X31	60.18	10%	66	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
41		Steel Section W18X35	59.85	10%	66	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
42		Steel Section W18X40	29.99	10%	33	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
43		Steel Section W8X10	312.09	10%	343	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Structural Bracings												
44		1/2"x10"x1'-2" Long Brace Connection	28.00	0%	28	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
45		3/16"x1" Backing Bar	39.00	0%	39	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
46		3/4"x4"x6" Steel Plate	41.00	0%	41	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
47		3/4"x9"x1'-0" Steel Plate	16.00	0%	16	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
48		1/2"x4"x4" Tab Plate	10.00	0%	10	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
49		1/4"x2"x6" Seat Plate	18.00	0%	18	EA	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
50		Hollow Steel Section 6X6X1/4" Bracing	769.82	10%	847	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
51		Hollow Steel Section 4X4X1/4 Knee Braces	50.72	10%	56	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Outriggers												
52		Hollow Steel Section 8X4X1/4 Outrigger	87.05	10%	96	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
53		Hollow Steel Section 8X4X5/16" Eyebrow Outrigger "C" At Tower Spaced @4'-0" O.C.	283.00	10%	311	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
54		Hollow Steel Section 2-1/2X2-1/2X1/4 Outrigger	91.69	10%	101	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
55		Hollow Steel Section 4X4X1/4 Eyebrow Outrigger Type "B" At Side Of Building	258.49	10%	284	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
56		Hollow Steel Section 4X4X1/4 Outrigger	75.66	10%	83	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
57		Hollow Steel Section 4X4X1/4" Eyebrow Outrigger Type "A", At Front Of Building	135.65	10%	149	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Floor/Roof Joists Framing												
58		12K1 Joists	384.14	10%	423	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
59		12Kcs1 Joists	32.07	10%	35	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
60		16K3 Roof Joists	525.06	10%	578	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
61		16Kcs3 Roof Joists	75.06	10%	83	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
62		18K4 Roof Joists	630.03	10%	693	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
63		18Kcs3 Roof Joists	90.02	10%	99	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
64		2.5K1 Joists	19.13	10%	21	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
65		20K5 Joists	225.88	10%	248	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
66		24K7 Joists	1798.69	10%	1979	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
67		24K7 Roof Joists	720.51	10%	793	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
68		24K9 Roof Joists	480.10	10%	528	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
69		24Kcs4 Roof Joists	480.10	10%	528	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Structural Steel Angles												
70		2X2X1/4 Steel Angle	134.64	10%	148	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
71		3X2X3/16 Deck Edge Steel Angle	390.89	10%	430	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
72		3X3X1/4 Deck Edge Steel Angle	86.97	10%	96	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
73		3X3X3/16 Deck Edge Steel Angle	563.32	10%	620	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
74		4X3X3/16 Deck Edge Steel Angle	160.19	10%	176	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
75		4X4X1/4 Steel Angle For Roof Opening Framing	231.81	10%	255	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
76		4X4X3/8 Steel Angle	94.34	10%	104	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
77		4X6X3/4 Steel Angle	25.06	10%	28	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
78		6X3X5/16 Deck Edge Steel Angle	150.02	10%	165	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
79		6X4X3/8 Connection Angle	84.82	10%	93	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
80		6X4X3/8 Deck Edge Angle	84.75	10%	93	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
81		6X6X1/2 Steel Angle Joist Seat W/ 3/8"Stiffener Plate	143.78	10%	158	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
82		7X4X3/8 Steel Angle	110.69	10%	122	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
83		8X8X1/2 Steel Angle Joist Seat W/ 1/2" Stiffener Plate At Seat	207.80	10%	229	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
84		Continuous 3X2X3/16 Edge Angle	625.15	10%	688	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
85		Continuous 3X3X1/4 Deck Edge Steel Angle	77.93	10%	86	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
86		Continuous 3X3X3/8 Deck Edge Steel Angle	32.58	10%	36	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
87		Continuous 3X3X5/16 Grate Support Angles	277.50	10%	305	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
88		Continuous 4X4X1/4 Deck Edge Steel Angle	520.90	10%	573	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
89		Continuous 6X3X5/16 Edge Angle	150.04	10%	165	LF	\$ -	\$ -	0.00	\$ 58.00	0.00	\$ -	\$ -	
		Steel Girders												



90	24G4N6.8K Girder	23.78	10%	26	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
91	30GSN11.2K Girder	119.97	10%	132	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
92	30GSN6.8K Girder	240.05	10%	264	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
93	30GSN8.3K Girder	30.10	10%	33	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
Structural Wall Framing																	
94	600S162-43 Wall Studs @16"O.C.	18892.00	10%	20781	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
95	600S162-43 Wall Studs Tracks	1023.00	10%	1125	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
96	800S162-54 Wall Studs @16" O.C.	1564.00	10%	1720	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
97	800S162-54 Wall Studs Tracks	213.00	10%	234	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
Metal Stud Header, Sill & Jambs																	
98	600S162-43 Metal Header	32.00	10%	35	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
99	600T125-43 Metal Header	62.00	10%	68	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
100	800S162-54 Metal Header	78.00	10%	86	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
101	600T125-54 Metal Header	65.00	10%	72	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
102	1000S162-68 Metal Header	34.00	10%	37	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
103	600T125-43 Metal Sill	28.00	10%	31	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
104	600T125-54 Metal Sill	87.00	10%	96	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
105	600T125-68 Metal Sill	49.00	10%	54	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
106	600S162-43 Metal Jamb	231.00	10%	254	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
107	600S162-54 Metal Jamb	188.00	10%	207	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
108	600S162-68 Metal Jamb	172.00	10%	189	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
Stairs																	
109	0'-11" Wide Treads, 4'-6" Long Metal Pan Stairs	21.00	0%	21	EA	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
Railings																	
110	34" High (1-1/2" Dia) Metal Handrailing, Wall Mounted, Finish: Paint	48.00	10%	53	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
111	40" High Guardrailing	105.00	10%	116	LF	\$	-	\$	-	0.00	\$	58.00	0.00	\$	-	\$	-
											Total Labor Hours=	0.00					
NOTES:						SUB TOTAL											
This sheet is your property and you can use and change the information as per need.						OVERHEAD						9%					
Prices are effective per area Zip Codes. We always convince our clients to put their own prices for the items.						CONTRACTOR'S PROFIT						8%					
All data in the estimate is taken with the help of plans set and details inside the drawings.						INSURANCE COST						5%					
In case of anything missing, we might put allowance to adjust the missing numbers as per need.						CONTINGENCY CHARGES						3%					
We look forward to work with you in the future as every client is our priority.						TOTAL BID											