

STRUCTURAL STEEL ESTIMATE

STEEL COLUMNS

W-Shapes

Column No.	Size	Height (ft)	Quantity	Material Cost / Unit	Total Material Cost	Labor Cost / Unit	Total Labor Cost	Equip. Cost / Unit	Total Equip. Cost	TOTAL COST
C1	12 x 40	44	7	60.5	18634	2.27	699.16	1.52	468.16	\$19,801.32
C2	12 x 53	35	8	60.5	16940	2.27	635.6	1.52	425.6	\$29,830.56
	12 x 40	23	8	60.5	11132	2.27	417.68	1.52	279.68	
C3	12 x 65	35	6	60.5	12705	2.27	476.7	1.52	319.2	\$22,372.92
	12 x 40	23	6	60.5	8349	2.27	313.26	1.52	209.76	
C4	12 x 45	30	4	60.5	7260	2.27	272.4	1.52	182.4	\$7,714.80
C5	12 x 79	35	1	98	3430	2.3	80.5	1.57	54.95	\$5,044.12
	12 x 45	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C6	12 x 65	35	2	60.5	4235	2.27	158.9	1.52	106.4	\$7,457.64
	12 x 58	23	2	60.5	2783	2.27	104.42	1.52	69.92	
C7	12 x 120	35	10	135	47250	2.35	822.5	1.61	563.5	\$80,596.80
	12 x 106	23	10	135	31050	2.35	540.5	1.61	370.3	
C8	12 x 79	16	1	98	1568	2.3	36.8	1.57	25.12	\$1,629.92
C8A	12 x 40	16	1	60.5	968	2.27	36.32	1.52	24.32	\$1,028.64
C9	12x 72	35	1	98	3430	2.3	80.5	1.57	54.95	\$5,044.12
	12 x 40	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C10	12 x 50	30	1	60.5	1815	2.27	68.1	1.52	45.6	\$1,928.70
C11	12 x 72	35	1	60.5	2117.5	2.27	79.45	1.52	53.2	\$3,728.82
	12 x 40	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C12	12 x 65	35	3	98	10290	2.3	241.5	1.57	164.85	\$15,132.36
	12 x 45	23	3	60.5	4174.5	2.27	156.63	1.52	104.88	
C13	12 x 79	35	1	98	3430	2.3	80.5	1.57	54.95	\$5,044.12
	12 x 40	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C14	12 x 72	35	2	98	6860	2.3	161	1.57	109.9	\$10,088.24
	12 x 65	23	2	60.5	2783	2.27	104.42	1.52	69.92	
C15	12 x 50	35	1	60.5	2117.5	2.27	79.45	1.52	53.2	\$3,728.82
	12 x 45	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C16	12 x 50	35	12	60.5	25410	2.27	953.4	1.52	638.4	\$44,745.84
	12 x 40	23	12	60.5	16698	2.27	626.52	1.52	419.52	
C17	12 x 45	35	9	60.5	19057.5	2.27	715.05	1.52	478.8	\$33,559.38
	12 x 40	23	9	60.5	12523.5	2.27	469.89	1.52	314.64	
C18	12 x 53	35	2	60.5	4235	2.27	158.9	1.52	106.4	\$7,457.64
	12 x 45	23	2	60.5	2783	2.27	104.42	1.52	69.92	
C19	12 x 58	35	1	60.5	2117.5	2.27	79.45	1.52	53.2	\$3,728.82
	12 x 40	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C20	12 x 120	35	3	135	14175	2.35	246.75	1.61	169.05	\$24,179.04
	12 x 106	23	3	135	9315	2.35	162.15	1.61	111.09	
C21	12 x 79	35	2	98	6860	2.3	161	1.57	109.9	\$10,088.24
	12 x 53	23	2	60.5	2783	2.27	104.42	1.52	69.92	
C22	12 x 96	42	2	98	8232	2.3	193.2	1.57	131.88	\$8,557.08
C23	12 x 58	35	2	60.5	4235	2.27	158.9	1.52	106.4	\$7,457.64
	12 x 53	23	2	60.5	2783	2.27	104.42	1.52	69.92	
C25	12 x 120	44	1	135	5940	2.35	103.4	1.61	70.84	\$6,114.24
C26	12 x 106	51	1	135	6885	2.35	119.85	1.61	82.11	\$8,565.63
	12 x 53	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C27	12 x 65	51	1	60.5	3085.5	2.27	115.77	1.52	77.52	\$4,757.46
	12 x 45	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C28	12 x 120	51	2	135	13770	2.35	239.7	1.61	164.22	\$20,566.08
	12 x 106	23	2	135	6210	2.35	108.1	1.61	74.06	
C29	12 x 40	28	2	60.5	3388	2.27	127.12	1.52	85.12	\$3,600.24
C30	12 x 96	35	1	98	3430	2.3	80.5	1.57	54.95	\$5,044.12
	12 x 65	23	1	60.5	1391.5	2.27	52.21	1.52	34.96	
C31	12 x 96	35	2	98	6860	2.3	161	1.57	109.9	\$10,088.24
	12 x 53	23	2	60.5	2783	2.27	104.42	1.52	69.92	
C32	12 x 120	35	2	135	9450	2.35	164.5	1.61	112.7	\$12,684.54

C32	12 x 65	23	2	60.5	2783	2.27	104.42	1.52	69.92	\$12,084.34
C33	12 x 120	365	1	135	49275	2.35	857.75	1.57	573.05	\$53,048.81
	12 x 65	23	1	98	2254	2.3	52.9	1.57	36.11	
C35	12 x 120	51	1	135	6885	2.35	119.85	1.57	80.07	\$8,335.20
	12 x 106	9	1	135	1215	2.35	21.15	1.57	14.13	
C38	12 x 50	51	2	60.5	6171	2.27	231.54	1.52	155.04	\$9,514.92
	12 x 40	23	2	60.5	2783	2.27	104.42	1.52	69.92	
C43	12 x 79	35	1	98	3430	2.3	80.5	1.57	54.95	\$4,144.06
	12 x 45	9	1	60.5	544.5	2.27	20.43	1.52	13.68	
C44	12 x 45	14	3	60.5	2541	2.27	95.34	1.52	63.84	\$2,700.18
C45	12 x 40	14	1	60.5	847	2.27	31.78	1.52	21.28	\$900.06
SUBTOTAL									\$510,009.36	

HSS

Column No.	Size	Height (ft)	Quantity	Material Cost / Each	Total Material Cost	Labor Cost / Each	Total Labor Cost	Equip. Cost / Each	Total Equip. Cost	TOTAL COST
C24	10 x 6 x 3/8	51	4	645	2580	47	188	31.5	126	\$3,617.50
	10 x 6 x 3/4	9	1	645	645	47	47	31.5	31.5	
C34	8 x 8 x 5/16	30	8	645	5160	47	376	31.5	252	\$5,788.00
C36	5 x 5 x 1/4	16	1	240	240	42	42	28	28	\$310.00
C37	10 x 10 x 5/6	35	9	1200	10800	49	441	32.5	292.5	\$29,474.50
	10 x 10 x 5/16	23	14	1200	16800	49	686	32.5	455	
C39	3-1/2 x 3-1/2 x 5/16	16	8	182	1456	40.5	324	27	216	\$1,996.00
C40	6 x 4 x 1/4	16	4	275	1100	43.5	174	29	116	\$1,390.00
C41	6 x 4 x 1/4	16	12	275	3300	43.5	522	29	348	\$4,170.00
C42	10 x 10 x 1/2	35	27	1200	32400	49	1323	32.5	877.5	\$51,260.00
	10 x 10 x 5/16	23	13	1200	15600	49	637	32.5	422.5	
SUBTOTAL									\$98,006.00	