

# 05 12 Structural Steel Framing

## 05 12 23 – Structural Steel for Buildings

### 05 12 23.40 Lightweight Framing

			Daily Crew	Labor- Output	Hours	Unit	Material	2022 Base Costs Labor	Equipment	Total	Total Incl O&P
0010	<b>LIGHTWEIGHT FRAMING</b>	R051223-35									
0015	Made from recycled materials										
0200	For load-bearing steel studs see Section 05 41 13.30										
0400	Angle framing, field fabricated, 4" and larger	R051223-45	E-3	440	.055	Lb.	.95	3.41	.33	4.69	6.41
0450	Less than 4" angles	G		265	.091	"	.98	5.65	.56	7.19	10.40
0460	1/2" x 1/2" x 1/8"	G		200	.120	L.F.	.20	7.50	.74	8.44	12.60
0462	3/4" x 3/4" x 1/8"	G		160	.150		.55	9.40	.92	10.87	16.09
0464	1" x 1" x 1/8"	G		135	.178		.79	11.10	1.09	12.98	19.20
0466	1-1/4" x 1-1/4" x 3/16"	G	E-3	115	.209	L.F.	1.45	13.05	1.28	15.78	23.50
0468	1-1/2" x 1-1/2" x 3/16"	G		100	.240		1.77	15	1.47	18.24	26.50
0470	2" x 2" x 1/4"	G		90	.267		3.13	16.70	1.64	21.47	31.50
0472	2-1/2" x 2-1/2" x 1/4"	G		72	.333		4.03	21	2.05	27.08	38.50
0474	3" x 2" x 3/8"	G		65	.369		5.80	23	2.27	31.07	44.50
0476	3" x 3" x 3/8"	G		57	.421		7.05	26.50	2.59	36.14	51.50
0600	Channel framing, field fabricated, 8" and larger	G		500	.048	Lb.	.98	3	.29	4.27	6.41
0650	Less than 8" channels	G		335	.072	"	.98	4.48	.44	5.90	8.41
0660	C2 x 1.78	G		115	.209	L.F.	1.75	13.05	1.28	16.08	23.50
0662	C3 x 4.1	G		80	.300		4.03	18.75	1.84	24.62	35.50
0664	C4 x 5.4	G		66	.364		5.30	23	2.23	30.53	43.50
0666	C5 x 6.7	G		57	.421		6.60	26.50	2.59	35.69	50.50
0668	C6 x 8.2	G		55	.436		7.80	27.50	2.68	37.98	53.50
0670	C7 x 9.8	G		40	.600		9.65	37.50	3.68	50.83	72.50
0672	C8 x 11.5	G		36	.667		11.30	41.50	4.09	56.89	81.50
0710	Structural bar tee, field fabricated, 3/4" x 3/4" x 1/8"	G		160	.150		.55	9.40	.92	10.87	16.09
0712	1" x 1" x 1/8"	G		135	.178		.79	11.10	1.09	12.98	19.20
0714	1-1/2" x 1-1/2" x 1/4"	G		114	.211		2.30	13.15	1.29	16.74	24.50
0716	2" x 2" x 1/4"	G		89	.270		3.13	16.85	1.66	21.64	31.50
0718	2-1/2" x 2-1/2" x 3/8"	G		72	.333		5.80	21	2.05	28.85	40.50
0720	3" x 3" x 3/8"	G		57	.421		7.05	26.50	2.59	36.14	51.50
0730	Structural zee, field fabricated, 1-1/4" x 1-3/4" x 1-3/4"	G		114	.211		.75	13.15	1.29	15.19	22.50
0732	2-11/16" x 3" x 2-11/16"	G		114	.211		1.75	13.15	1.29	16.19	24.50
0734	3-1/16" x 4" x 3-1/16"	G		133	.180		2.64	11.30	1.11	15.05	21.50
0736	3-1/4" x 5" x 3-1/4"	G		133	.180		3.60	11.30	1.11	16.01	22.50
0738	3-1/2" x 6" x 3-1/2"	G		160	.150		5.45	9.40	.92	15.77	21.50
0740	Junior beam, field fabricated, 3"	G		80	.300		5.60	18.75	1.84	26.19	37.50
0742	4"	G		72	.333		7.55	21	2.05	30.60	42.50
0744	5"	G		67	.358		9.80	22.50	2.20	34.50	47.50
0746	6"	G		62	.387		12.30	24	2.38	38.68	53.50
0748	7"	G		57	.421		15.05	26.50	2.59	44.14	60.50
0750	8"	G		53	.453		18.05	28.50	2.78	49.33	66.50
1000	Continuous slotted channel framing system, shop fab, simple framing	G	2 Sswk	2400	.007	Lb.	5.05	.41		5.46	6.25
1200	Complex framing	G	"	1600	.010		5.75	.62		6.37	7.25
1300	Cross bracing, rods, shop fabricated, 3/4" diameter	G	E-3	700	.034		1.96	2.14	.21	4.31	5.70
1310	7/8" diameter	G		850	.028		1.96	1.77	.17	3.90	5.09
1320	1" diameter	G		1000	.024		1.96	1.50	.15	3.61	4.63
1330	Angle, 5" x 5" x 3/8"	G	E-3	2800	.009	Lb.	1.96	.54	.05	2.55	3.09
1350	Hanging lintels, shop fabricated	G	"	850	.028		1.96	1.77	.17	3.90	5.09
1380	Roof frames, shop fabricated, 3'-0" square, 5' span	G	E-2	4200	.013		1.96	.82	.59	3.37	4.06
1400	Tie rod, not upset, 1-1/2" to 4" diameter, with turnbuckle	G	2 Sswk	800	.020		2.13	1.24		3.37	4.25
1420	No turnbuckle	G		700	.023		2.05	1.41		3.46	4.43
1500	Upset, 1-3/4" to 4" diameter, with turnbuckle	G		800	.020		2.13	1.24		3.37	4.25
1520	No turnbuckle	G		700	.023		2.05	1.41		3.46	4.43