

# 05 12 Structural Steel Framing

## 05 12 23 – Structural Steel for Buildings

05 12 23.78 Structural Steel Secondary Members		Daily Crew	Labor- Output	Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0200	Eave struts, C-shape, includes clips and bolts									
0210	6" x 4" x 3", 16 ga., 3.1 lb./L.F.				L.F.	4.57			4.57	5
0215	14 ga., 3.9 lb./L.F.					5.75			5.75	6.30
0220	8" x 4" x 3", 16 ga., 3.5 lb./L.F.					5.15			5.15	5.65
0225	14 ga., 4.4 lb./L.F.					6.50			6.50	7.15
0230	12 ga., 6.2 lb./L.F.					9.15			9.15	10.05
0235	10" x 5" x 3", 14 ga., 5.2 lb./L.F.					7.65			7.65	8.45
0240	12 ga., 7.3 lb./L.F.					10.75			10.75	11.85
0245	12" x 5" x 4", 14 ga., 6.0 lb./L.F.					8.85			8.85	9.70
0250	12 ga., 8.4 lb./L.F.					12.40			12.40	13.60
0300	Rake/base angle, excludes concrete drilling and expansion anchors									
0310	2" x 2", 14 ga., 1.0 lb./L.F.	2 Sswk	640	.025	L.F.	1.47	1.55		3.02	4
0315	3" x 2", 14 ga., 1.3 lb./L.F.		535	.030		1.92	1.85		3.77	4.96
0320	3" x 3", 14 ga., 1.6 lb./L.F.		500	.032		2.36	1.98		4.34	5.65
0325	4" x 3", 14 ga., 1.8 lb./L.F.		480	.033		2.65	2.06		4.71	6.10
0600	Installation of secondary members, erection only									
0610	Girts, purlins, eave struts, 16 ga., 6" deep	E-18	100	.400	Ea.		25	8.15	33.15	47
0615	8" deep		80	.500			31	10.20	41.20	58.50
0620	14 ga., 6" deep		80	.500			31	10.20	41.20	58.50
0625	8" deep		65	.615			38	12.55	50.55	72.50
0630	10" deep		55	.727			45	14.80	59.80	85.50
0635	12" deep		50	.800			49.50	16.30	65.80	94
0640	12 ga., 8" deep		50	.800			49.50	16.30	65.80	94
0645	10" deep		45	.889			55	18.10	73.10	104
0650	12" deep		40	1			62	20.50	82.50	118
0900	For less than 20-ton job lots									
0905	For 15 to 19 tons, add				%	10%				
0910	For 10 to 14 tons, add					25%				
0915	For 5 to 9 tons, add					50%	50%	50%		
0920	For 1 to 4 tons, add					75%	75%	75%		
0925	For less than 1 ton, add					100%	100%	100%		

## 05 12 23.80 Subpurlins

0010	SUBPURLINS	R051223-50								
0015	Made from recycled materials									
0020	Bulb tees, shop fabricated, painted, 32-5/8" OC, 40 psf L.L.									
0200	Type 218, max 10'-2" span, 3.19 plf, 2-1/8" high x 2-1/8" wide	G	E-1	3100	.008	S.F.	1.78	.47	.05	2.30 2.72
1420	For 24-5/8" spacing, add						33%	33%		
1430	For 48-5/8" spacing, deduct						33%	33%		

# 05 14 Structural Aluminum Framing

## 05 14 23 – Non-Exposed Structural Aluminum Framing

### 05 14 23.05 Aluminum Shapes

0010	ALUMINUM SHAPES									
0015	Made from recycled materials									
0020	Structural shapes, 1" to 10" members, under 1 ton	G	E-2	4000	.014	Lb.	3.83	.86	.62	5.31 6.20
0050	1 to 5 tons	G		4300	.013		3.38	.80	.58	4.76 5.55
0100	Over 5 tons	G		4600	.012		3.16	.75	.54	4.45 5.20
0300	Extrusions, over 5 tons, stock shapes	G		1330	.042		3.78	2.58	1.86	8.22 10.15
0400	Custom shapes	G		1330	.042		4.26	2.58	1.86	8.70 10.65