

# 06 18 Glued-Laminated Construction

## 06 18 13 - Glued-Laminated Beams

		Daily Crew	Labor- Output	Hours Unit		Material	2022 Base Costs		Total	Total Incl O&E
06 18 13.20 Laminated Framing							Labor	Equipment		
0010	<b>LAMINATED FRAMING</b>									
0020	30 lb., short term live load, 15 lb. dead load									
0200	Straight roof beams, 20' clear span, beams 8' OC	F-3	2560	.016	SF Flr.	3.38	.90	.77	5.05	5.
0300	Beams 16' OC		3200	.013		2.48	.72	.62	3.82	4.
0500	40' clear span, beams 8' OC		3200	.013		6.45	.72	.62	7.79	8.
0600	Beams 16' OC	↓	3840	.010		5.30	.60	.52	6.42	7.
0800	60' clear span, beams 8' OC	F-4	2880	.017		11	.95	.79	12.74	14.
0900	Beams 16' OC	"	3840	.013		8.25	.71	.59	9.55	10.
1100	Tudor arches, 30' to 40' clear span, frames 8' OC	F-3	1680	.024		14.35	1.37	1.18	16.90	19.
1200	Frames 16' OC	"	2240	.018		11.20	1.03	.89	13.12	14.
1400	50' to 60' clear span, frames 8' OC	F-4	2200	.022		15.40	1.25	1.03	17.68	19.
1500	Frames 16' OC		2640	.018		13.15	1.04	.86	15.05	17.
1700	Radial arches, 60' clear span, frames 8' OC		1920	.025		14.45	1.43	1.18	17.06	19.
1800	Frames 16' OC	↓	2880	.017	↓	11.50	.95	.79	13.24	14.
2000	100' clear span, frames 8' OC	F-4	1600	.030	SF Flr.	14.85	1.71	1.42	17.98	20.
2100	Frames 16' OC		2400	.020		13.15	1.14	.95	15.24	17.
2300	120' clear span, frames 8' OC		1440	.033		19.75	1.90	1.58	23.23	26.
2400	Frames 16' OC	↓	1920	.025		18.05	1.43	1.18	20.66	23.
2600	Bowstring trusses, 20' OC, 40' clear span	F-3	2400	.017		8.95	.96	.83	10.74	12.
2700	60' clear span	F-4	3600	.013		8.05	.76	.63	9.44	10.
2800	100' clear span		4000	.012		11.40	.69	.57	12.66	14.
2900	120' clear span	↓	3600	.013		12.10	.76	.63	13.49	15.
3000	For less than 1000 B.F., add					20%				
3050	For over 5000 B.F., deduct					10%				
3100	For premium appearance, add to S.F. prices					5%				
3300	For industrial type, deduct					15%				
3500	For stain and varnish, add					5%				
3900	For 3/4" laminations, add to straight					25%				
4100	Add to curved				↓	15%				
4300	Alternate pricing method: (use nominal footage of									
4310	components). Straight beams, camber less than 6"	F-3	3.50	11.429	M.B.F.	4,225	660	565	5,450	6,250
4400	Columns, including hardware		2	20		4,525	1,150	990	6,665	7,800
4600	Curved members, radius over 32'		2.50	16		4,650	925	795	6,370	7,350
4700	Radius 10' to 32'	↓	3	13.333		4,600	770	660	6,030	6,925
4900	For complicated shapes, add maximum					100%				
5100	For pressure treating, add to straight					35%				
5200	Add to curved				↓	45%				
6000	Laminated veneer members, southern pine or western species									
6050	1-3/4" wide x 5-1/2" deep	2 Carp	480	.033	L.F.	6.35	1.88		8.23	9.8
6100	9-1/2" deep		480	.033		5.40	1.88		7.28	8.7
6150	14" deep		450	.036		8.50	2		10.50	12.3
6200	18" deep	↓	450	.036	↓	11.75	2		13.75	15.9
6300	Parallel strand members, southern pine or western species									
6350	1-3/4" wide x 9-1/4" deep	2 Carp	480	.033	L.F.	5.65	1.88		7.53	9
6400	11-1/4" deep		450	.036		6.70	2		8.70	10.3
6450	14" deep		400	.040		9.90	2.25		12.15	14.2
6500	3-1/2" wide x 9-1/4" deep		480	.033		27	1.88		28.88	32.5
6550	11-1/4" deep		450	.036		29.50	2		31.50	35.5
6600	14" deep		400	.040		27	2.25		29.25	33
6650	7" wide x 9-1/4" deep		450	.036		50	2		52	58
6700	11-1/4" deep	↓	420	.038	↓	61	2.14		63.14	70
6750	14" deep	2 Carp	400	.040	L.F.	73	2.25		75.25	83.5
8000	Straight beams									