

13 31 Fabric Structures

13 31 23 – Tensioned Fabric Structures

13 31 23.50 Tension Structures

		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0460	120' to 149' clear span, 24,000 S.F.	L-5	3000	.019	SF Flr.	17.80	1.16	.70	19.66	22
0470	150' to 199' clear span, 30,000 S.F.	↓	6000	.009	↓	19.55	.58	.35	20.48	23
0480	200' clear span, 40,000 S.F.	E-6	8000	.016	SF Flr.	23.50	.98	.37	24.85	28
0500	For roll-up door, 12' x 14', add	L-2	1	16	Ea.	7,050	795		7,845	8,950
0600	6,000 S.F.	B-41	1200	.037	SF Flr.	13.50	1.73	.26	15.49	17.70
0650	12,000 S.F.		1200	.037		15.85	1.73	.26	17.84	20.50
1000	Tension structure, PVC fabric, add		2500	.018		4.15	.83	.13	5.11	5.95
1200	Tension structure, HDPE fabric, add		2500	.018		2.59	.83	.13	3.55	4.23
1300	Tension structure, PTFE fabric, add	↓	2000	.022	↓	7.80	1.04	.16	9	10.25

13 33 Geodesic Structures

13 33 13 – Geodesic Domes

13 33 13.35 Geodesic Domes

0010	GEODESIC DOMES Shell only, interlocking plywood panels	R133423-30								
0400	30' diameter	F-5	1.60	20	Ea.	33,500	1,125		34,625	38,500
0500	33' diameter	↓	1.14	28.070		24,200	1,600		25,800	29,000
0600	40' diameter	↓	1	32		27,900	1,825		29,725	33,400
0700	45' diameter	F-3	1.13	35.556		28,800	2,050	1,775	32,625	36,700
0750	56' diameter		1	40		58,000	2,300	1,975	62,275	69,500
0800	60' diameter		1	40		63,000	2,300	1,975	67,275	74,500
0850	67' diameter	↓	.80	50	↓	93,500	2,875	2,475	98,850	110,000
1100	Aluminum panel, with 6" insulation									
1200	100' diameter				SF Flr.	25			25	27.50
1300	500' diameter				"	25.50			25.50	28.50
1600	Aluminum framed, plexiglass closure panels									
1700	40' diameter				SF Flr.	61.50			61.50	67.50
1800	200' diameter				"	60.50			60.50	66.50
2100	Aluminum framed, aluminum closure panels									
2200	40' diameter				SF Flr.	20			20	22
2300	100' diameter				↓	31			31	34
2400	200' diameter				↓	20.50			20.50	22.50
2700	Aluminum framed, fiberglass sandwich panel closure									
2800	6' diameter	2 Carp	150	.107	SF Flr.	28.50	6		34.50	40
2900	28' diameter	"	350	.046	"	25.50	2.57		28.07	32.50

13 34 Fabricated Engineered Structures

13 34 13 – Glazed Structures

13 34 13.13 Greenhouses

0010	GREENHOUSES , Shell only, stock units, not incl. 2' stub walls,									
0020	foundation, floors, heat or compartments									
0300	Residential type, free standing, 8'-6" long x 7'-6" wide	2 Carp	59	.271	SF Flr.	25.50	15.25		40.75	51
0400	10'-6" wide	↓	85	.188	↓	47	10.60		57.60	67.50
0600	13'-6" wide	↓	108	.148	↓	49.50	8.35		57.85	67
0700	17'-0" wide	2 Carp	160	.100	SF Flr.	46	5.65		51.65	59
0900	Lean-to type, 3'-10" wide	↓	34	.471	↓	46	26.50		72.50	90
1000	6'-10" wide	↓	58	.276	↓	28	15.55		43.55	54
1500	Commercial, custom, truss frame, incl. equip., plumbing, elec.,									
1550	benches and controls, under 2,000 S.F.				SF Flr.	15.40			15.40	16.90
1700	Over 5,000 S.F.				"	13.75			13.75	15.10