



F16 MASS PLY MAXIMUM SPAN ROOF TABLE - MAJOR FORCE DIRECTION

		SNOW LOAD, UNFACTORED															125% NON-SNOW LOAD		
LAY-UP	THICKNESS	20 PSF LIVE LOAD			30 PSF LIVE LOAD			40 PSF LIVE LOAD			55 PSF LIVE LOAD			100 PSF LIVE LOAD			20 PSF LIVE LOAD		
ID	(IN)	L/360	L/240	L/180	360	240	180	360	240	180	360	240	180	360	240	180	360	240	180
F16-2	2-1/16	9.48	10.44	11.96	8.81	9.70	11.12	8.29	9.14	10.47	7.50	8.49	9.47	6.12	7.02	7.74	9.48	10.44	11.96
F16-3	3-1/16	13.61	14.99	17.18	12.71	14.00	16.04	12.01	13.23	15.16	11.04	12.32	13.73	9.01	10.34	10.97	13.61	14.99	17.18
F16-4	4-1/16	17.79	19.60	22.46	16.68	18.38	21.06	15.80	17.41	19.86	14.75	16.27	17.97	12.04	13.80	14.45	17.79	19.60	22.46
F16-5	5-1/8	21.76	23.97	27.47	20.47	22.56	25.85	19.44	21.43	24.22	18.22	20.08	22.06	15.05	17.28	17.85	21.76	23.97	27.47
F16-6	6-1/8	25.56	28.16	32.27	24.13	26.59	30.48	22.97	25.31	28.55	21.57	23.77	26.02	18.04	20.69	21.19	25.56	28.16	32.27
F16-7	7-1/8	29.27	32.25	36.96	27.71	30.53	34.97	26.43	29.12	32.61	24.88	27.42	29.83	21.05	23.95	24.43	29.27	32.25	36.96
F16-8	8-3/16	32.85	36.19	41.48	31.17	34.35	39.07	29.79	32.84	36.54	28.10	30.98	33.53	24.04	27.16	27.61	32.85	36.19	41.48
F16-9	9-3/16	36.33	40.03	45.88	34.56	38.09	42.99	33.09	36.47	40.32	31.27	34.48	37.10	27.05	30.33	30.71	36.33	40.03	45.88
F16-10	10-3/16	39.71	43.76	46.00	37.86	41.73	46.00	36.31	40.02	44.01	34.38	37.90	40.61	30.06	33.45	33.78	39.71	43.76	46.00
F16-11	11-1/4	43.01	46.00	46.00	41.09	45.28	46.00	39.46	43.50	46.00	37.43	41.27	43.98	33.06	36.53	36.75	43.01	46.00	46.00
F16-12	12-1/4	46.00	46.00	46.00	44.24	46.00	46.00	42.55	46.00	46.00	40.43	44.57	46.00	35.88	39.58	39.69	46.00	46.00	46.00

ROOF TABLE NOTES:

- ◆ Single Span, uniform load.
- ◆ Total loads include live load, Mass Ply weight, and 15 PSF dead load.
- ◆ Deflection limits are for live loads, Total load deflection limits for live load deflection of L/360, L/240, and L/180 are respectively L/240, L/180, and L/120
- ◆ Maximum 46' span assumes a 48' long MPP on 12" bearing length.
- ◆ Tables do not substitute for the work of a design professional.

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