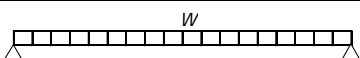
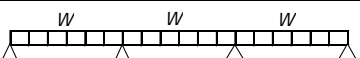


Thickness (In.)	Insulation Factors		Panel Weight PSF																									
	R ft².h.°F/BTU	U BTU/ft².h.°F		SPAN (Ft)																								
				5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0			
1.5	13	0.077	2.13	41	31	24									44	34	28	23										
2	17	0.058	2.23	56	43	34	27	22							59	46	38	31	26	22								
2.5	22	0.046	2.33	71	55	44	35	29	23						74	59	48	40	33	28	24							
3	26	0.039	2.44	86	67	54	44	36	30	25	21				89	71	58	49	41	35	30	26	23					
4	34	0.029	2.65	116	92	75	62	51	43	36	31	26	22		119	96	79	67	57	49	43	37	33	29	25			
6	52	0.019	3.07	175	144	118	99	83	71	61	53	46	40	35	175	144	122	104	90	79	68	60	54	48	43			

Notes:

- 1.- Based on Hi-Rib 39.37 in. wide roof panel with 26 ga. exterior and interior steel facers. (min. Fy= 37 ksi as per ASTM A653)
- 2.- Steel facers are prepainted galvanized steel as per ASTM A653 grade 37 (Fy= 37 ksi min). Elasticity Modulus is 29, 000 ksi.
- 3.- Load Tables were derived from ASTM E72 structural testing. Allowable loads were obtained with 2.5 bending safety factor 3.0 shear safety factor, and deflection limit of L/240.
- 4.- Thermal load effect due to temperature differential between exterior and interior facers must be considered when applies.
- 5.- Allowable load is governed by the lowest value of panel stiffness, deflection limit and connection strength. Connection pattern was # 14 self tapping fastener at each rib per support
- 6.- Foam Insulation factors are based on nominal initial k factor of 0.116 BTU.in/hr.ft²°F tested as per ASTM C518-04 at a mean temperature of 40°F (4°C)