metal sales
manufacturing corporation

R-Panel on 15/32" Plywood

Roof Fastener Spacing (feet)

Wind Speed (mph) Exposure Category	Roof Slope: 0.5:12 to 1.5:12			Roof Slope: 1.5:12 to 6:12			Roof Slope: 6:12 to 12:12		
	Thickness	Field -24.5 psf	Edge -41.4 psf	Corner -62.6 psf	Field -22.4 psf	Edge -39.3 psf	Corner -58.4 psf	Field -24.5 psf	Edge -28.7 psf	Corner -28.7 psf
120D	26 ga	4.00	2.75	1.75	4.00	3.00	2.00	4.00	4.00	4.00
	Thickness	Field -28.8 psf	Edge -48.7 psf	Corner -73.6 psf	Field -26.3 psf	Edge -46.2 psf	Corner -68.6 psf	Field -28.8 psf	Edge -33.8 psf	Corner -33.8 psf
130D	26 ga	4.00	2.25	1.50	4.00	2.50	1.50	4.00	3.50	3.50
	Thickness	Field -33.5 psf	Edge -56.6 psf	Corner -85.4 psf	Field -30.6 psf	Edge -53.7 psf	Corner -79.6 psf	Field -33.5 psf	Edge -39.3 psf	Corner -39.3 psf
140D	26 ga	3.50	2.00	1.25	3.75	2.00	1.50	3.50	3.00	3.00
	Thickness	Field -38.5 psf	Edge -65 psf	Corner -98.1 psf	Field -35.2 psf	Edge -61.7 psf	Corner -91.5 psf	Field -38.5 psf	Edge -45.2 psf	Corner -45.2 psf
150D	26 ga	3.00	1.75	1.00	3.25	1.75	1.25	3.00	2.50	2.50
	Thickness	Field -43.9 psf	Edge -74 psf	Corner -111.7 psf	Field -40.2 psf	Edge -70.3 psf	Corner -104.1 psf	Field -43.9 psf	Edge -51.5 psf	Corner -51.5 psf
160D	26 ga	2.50	1.50	1.00	2.75	1.50	1.00	2.50	2.25	2.25
	Thickness	Field -49.6 psf	Edge -83.6 psf	Corner -126.1 psf	Field -45.4 psf	Edge -79.4 psf	Corner -117.6 psf	Field -49.6 psf	Edge -58.1 psf	Corner -58.1 psf
170D	26 ga	2.25	1.25	0.50	2.50	1.50	0.75	2.25	2.00	2.00
	Thickness	Field -55.7 psf	Edge -93.8 psf	Corner -141.5 psf	Field -51 psf	Edge -89.1 psf	Corner -131.9 psf	Field -55.7 psf	Edge -65.2 psf	Corner -65.2 psf
180D	26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	2.00	1.75	1.75
	Thickness	Field -62.1 psf	Edge -104.6 psf	Corner -157.7 psf	Field -56.8 psf	Edge -99.3 psf	Corner -147 psf	Field -62.1 psf	Edge -72.8 psf	Corner -72.8 psf
190D	26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	1.75	1.50	1.50

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL14645.13 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and patters are shown in the Approval.

2. Allowable spacing is based on an applied load determined using ASCE 7-10 for the Wind Speeds, Wind Exposure Categories, " Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed building, 3 or more span case, Topographic Factor of 1, and Mean Roof Height of 25 feet.

3. Allowable spacing is determined for wind suction using the combination 0.6DL + 0.6W. Also considered is the appropriate inward wind pressure, 20 psf live load and the weight of the panel.

N.G. indicates the panel is not recommended for this application.