metal sales
manufacturing corporation

R-Panel on 15/32" Plywood

Roof Fastener Spacing (feet)

110C

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 -17.1 psf	Edge -29.1 psf	Corner -44 psf	Field -15.6 psf	Edge -27.6 psf	Corner -41 psf	Field -17.1 psf	Edge -20.1 psf	Corner -20.1 psf
26 ga	4.00	4.00	2.50	4.00	4.00	2.75	4.00	4.00	4.00

120C

Thickness	Field -20.5 psf	Edge -34.7 psf	Corner -52.5 psf	Field -18.7 psf	Edge -32.9 psf	Corner -48.9 psf	Field -20.5 psf	Edge -24 psf	Corner -24 psf
26 ga	4.00	3.25	2.25	4.00	3.50	2.25	4.00	4.00	4.00

130C

Thickness	Field -24.1 psf	Edge -40.8 psf	Corner -61.7 psf	Field -22 psf	Edge -38.7 psf	Corner -57.5 psf	Field -24.1 psf	Edge -28.3 psf	Corner -28.3 psf
26 ga	4.00	2.75	1.75	4.00	3.00	2.00	4.00	4.00	4.00

140C

Thickness	Field -28.1 psf	Edge -47.4 psf	Corner -71.6 psf	Field -25.6 psf	Edge -45 psf	Corner -66.8 psf	Field -28.1 psf	Edge -32.9 psf	Corner -32.9 psf
26 ga	4.00	2.50	1.50	4.00	2.50	1.75	4.00	3.50	3.50

150C

Thickness	Field -32.3 psf	Edge -54.5 psf	Corner -82.3 psf	Field -29.5 psf	Edge -51.7 psf	Corner -76.7 psf	Field -32.3 psf	Edge -37.8 psf	Corner -37.8 psf
26 ga	3.50	2.00	1.25	4.00	2.25	1.50	3.50	3.00	3.00

160C

Thickness	Field -36.8 psf	Edge -62.1 psf	Corner -93.7 psf	Field -33.6 psf	Edge -58.9 psf	Corner -87.3 psf	Field -36.8 psf	Edge -43.1 psf	Corner -43.1 psf
26 ga	3.25	1.75	1.25	3.50	2.00	1.25	3.25	2.75	2.75

170C

Thickness	Field -41.6 psf	Edge -70.1 psf	Corner -105.8 psf	Field -38 psf	Edge -66.6 psf	Corner -98.7 psf	Field -41.6 psf	Edge -48.7 psf	Corner -48.7 psf
26 ga	2.75	1.50	1.00	3.00	1.75	1.00	2.75	2.25	2.25

180C

Thickness	Field -46.7 psf	Edge -78.7 psf	Corner -118.7 psf	Field -42.7 psf	Edge -74.7 psf	Corner -110.7 psf	Field -46.7 psf	Edge -54.7 psf	Corner -54.7 psf
26 ga	2.50	1.50	0.75	2.75	1.50	1.00	2.50	2.00	2.00

Notes:

1. Allowable spacing is based on the system capacity listed in the FBC 2014 Approval, FL14645.12 and determined by linear interpolation of those values. 1/3 increase is not included for wind.

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, Gable roof, Enclosed building, 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.