metal sales
manufacturing corporation

16" Vertical Seam on 19/32" 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 -20.6 psf	Edge -34.8 psf	Corner -52.6 psf	Field -18.8 psf	Edge -33 psf	Corner -49 psf	Field -20.6 psf	Edge -24.2 psf	Corner -24.2 psf
120C	0.032"	3.00	3.00	2.33	3.00	3.00	2.33	3.00	3.00	3.00
	Thickness	Field -24.2 psf	Edge -40.9 psf	Corner -61.8 psf	Field -22.2 psf	Edge -38.8 psf	Corner -57.6 psf	Field -24.2 psf	Edge -28.4 psf	Corner -28.4 psf
130C	0.032"	3.00	3.00	2.00	3.00	3.00	2.00	3.00	3.00	3.00
	Thickness	Field -28.2 psf	Edge -47.5 psf	Corner -71.7 psf	Field -25.8 psf	Edge -45.1 psf	Corner -66.9 psf	Field -28.2 psf	Edge -33 psf	Corner -33 psf
140C	0.032"	3.00	2.33	1.67	3.00	2.67	1.67	3.00	3.00	3.00
	Thickness	Field -32.4 psf	Edge -54.6 psf	Corner -82.4 psf	Field -29.6 psf	Edge -51.8 psf	Corner -76.8 psf	Field -32.4 psf	Edge -38 psf	Corner -38 psf
150C	0.032"	3.00	2.00	1.33	3.00	2.33	1.33	3.00	3.00	3.00
	Thickness	Field -36.9 psf	Edge -62.2 psf	Corner -93.8 psf	Field -33.8 psf	Edge -59 psf	Corner -87.5 psf	Field -36.9 psf	Edge -43.2 psf	Corner -43.2 psf
160C	0.032"	3.00	2.00	1.00	3.00	2.00	1.33	3.00	2.67	2.67
	Thickness	Field -41.7 psf	Edge -70.3 psf	Corner -105.9 psf	Field -38.2 psf	Edge -66.7 psf	Corner -98.8 psf	Field -41.7 psf	Edge -48.9 psf	Corner -48.9 psf
170C	0.032"	2.67	1.67	1.00*	3.00	1.67	1.00	2.67	2.33	2.33
	Thickness	Field -46.8 psf	Edge -78.8 psf	Corner -118.8 psf	Field -42.8 psf	Edge -74.8 psf	Corner -110.8 psf	Field -46.8 psf	Edge -54.8 psf	Corner -54.8 psf
180C	0.032"	2.33	1.33	1.00*	2.67	1.33	1.00*	2.33	2.00	2.00
	Thickness	Field -52.2 psf	Edge -87.8 psf	Corner -132.4 psf	Field -47.8 psf	Edge -83.4 psf	Corner -123.5 psf	Field -52.2 psf	Edge -61.1 psf	Corner -61.1 psf
190C	0.032"	2.33	1.33	1.00*	2.33	1.33	1.00*	2.33	2.00	2.00

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL14645.7 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.

* - Indicates that Support Straps must be installed per the Approval.