metal sales
manufacturing corporation

5V-Crimp on 7/16" OSB

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 -20.7 psf	Edge -34.9 psf	Corner -52.7 psf	Field -18.9 psf	Edge -33.1 psf	Corner -49.1 psf	Field -20.7 psf	Edge -24.2 psf	Corner -24.2 psf
120C	0.032"	3.00	2.50	1.50	3.00	2.50	1.75	3.00	3.00	3.00
	Thickness	Field -24.3 psf	Edge -41 psf	Corner -61.9 psf	Field -22.2 psf	Edge -38.9 psf	Corner -57.7 psf	Field -24.3 psf	Edge -28.5 psf	Corner -28.5 psf
130C	0.032"	3.00	2.00	1.25	3.00	2.25	1.50	3.00	3.00	3.00
	Thickness	Field -28.2 psf	Edge -47.6 psf	Corner -71.8 psf	Field -25.8 psf	Edge -45.2 psf	Corner -67 psf	Field -28.2 psf	Edge -33.1 psf	Corner -33.1 psf
140C	0.032"	3.00	1.75	1.25	3.00	1.75	1.25	3.00	2.50	2.50
	Thickness	Field -32.5 psf	Edge -54.7 psf	Corner -82.5 psf	Field -29.7 psf	Edge -51.9 psf	Corner -76.9 psf	Field -32.5 psf	Edge -38 psf	Corner -38 psf
150C	0.032"	2.75	1.50	1.00	3.00	1.50	1.00	2.75	2.25	2.25
	Thickness	Field -37 psf	Edge -62.3 psf	Corner -93.9 psf	Field -33.8 psf	Edge -59.1 psf	Corner -87.5 psf	Field -37 psf	Edge -43.3 psf	Corner -43.3 psf
160C	0.032"	2.25	1.25	0.75	2.50	1.50	1.00	2.25	2.00	2.00
	Thickness	Field -41.8 psf	Edge -70.3 psf	Corner -106 psf	Field -38.2 psf	Edge -66.8 psf	Corner -98.9 psf	Field -41.8 psf	Edge -48.9 psf	Corner -48.9 psf
170C	0.032"	2.00	1.25	0.75	2.25	1.25	0.75	2.00	1.75	1.75
	Thickness	Field -46.9 psf	Edge -78.9 psf	Corner -118.9 psf	Field -42.9 psf	Edge -74.9 psf	Corner -110.9 psf	Field -46.9 psf	Edge -54.9 psf	Corner -54.9 psf
180C	0.032"	1.75	1.00	0.75	2.00	1.00	0.75	1.75	1.50	1.50
	Thickness	Field -52.3 psf	Edge -87.9 psf	Corner -132.5 psf	Field -47.8 psf	Edge -83.5 psf	Corner -123.6 psf	Field -52.3 psf	Edge -61.2 psf	Corner -61.2 psf
190C	0.032"	1.50	1.00	0.50	1.75	1.00	0.50	1.50	1.25	1.25

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL11560.1 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.