metal sales
manufacturing corporation

16" Vertical Seam on 15/32" Plywood

Roof Fastener Spacing (feet)

120C

Thickness	Roof Slope: 0.5:12 to 1.5:12			Roof Slope: 1.5:12 to 6:12			Roof Slope: 6:12 to 12:12		
	Field -20.4 psf	Edge -34.6 psf	Corner -52.4 psf	Field -18.6 psf	Edge -32.8 psf	Corner -48.8 psf	Field -20.4 psf	Edge -23.9 psf	Corner -23.9 psf
26 ga	4.00	3.33	2.00	4.00	3.33	2.33	4.00	4.00	4.00

130C

Thickness									
	Field -24 psf	Edge -40.7 psf	Corner -61.6 psf	Field -21.9 psf	Edge -38.6 psf	Corner -57.4 psf	Field -24 psf	Edge -28.2 psf	Corner -28.2 psf
26 ga	4.00	2.67	1.67	4.00	3.00	2.00	4.00	4.00	4.00

140C

Thickness									
	Field -28 psf	Edge -47.3 psf	Corner -71.5 psf	Field -25.5 psf	Edge -44.9 psf	Corner -66.7 psf	Field -28 psf	Edge -32.8 psf	Corner -32.8 psf
26 ga	4.00	2.33	1.00	4.00	2.67	1.33	4.00	3.33	3.33

150C

Thickness									
	Field -32.2 psf	Edge -54.4 psf	Corner -82.2 psf	Field -29.4 psf	Edge -51.6 psf	Corner -76.6 psf	Field -32.2 psf	Edge -37.7 psf	Corner -37.7 psf
26 ga	N.G.	N.G.	N.G.	4.00	2.00	0.67	3.67	3.00	3.00

160C

Thickness									
	Field -36.7 psf	Edge -62 psf	Corner -93.6 psf	Field -33.5 psf	Edge -58.8 psf	Corner -87.3 psf	Field -36.7 psf	Edge -43 psf	Corner -43 psf
26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	3.00	2.67	2.67

170C

Thickness									
	Field -41.5 psf	Edge -70 psf	Corner -105.7 psf	Field -37.9 psf	Edge -66.5 psf	Corner -98.6 psf	Field -41.5 psf	Edge -48.6 psf	Corner -48.6 psf
26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	2.67	2.33	2.33

180C

Thickness									
	Field -46.6 psf	Edge -78.6 psf	Corner -118.6 psf	Field -42.6 psf	Edge -74.6 psf	Corner -110.6 psf	Field -46.6 psf	Edge -54.6 psf	Corner -54.6 psf
26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	2.33	2.00	2.00

190C

Thickness									
	Field -52 psf	Edge -87.6 psf	Corner -132.2 psf	Field -47.5 psf	Edge -83.2 psf	Corner -123.3 psf	Field -52 psf	Edge -60.9 psf	Corner -60.9 psf
26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	2.00	1.67	1.67

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL11560.12 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.