Metal Sales™

Classic Rib on 7/16" OSB

Roof Fastener Spacing (feet)

100D

Wind Speed (mph) Exposure Category	Roof Slope: 0.5:12 to 1.47:12				Roof Slope: 1.48:12 to 6.11:12			Roof Slope: 6.12:12 to 12:12		
Thickness	zone 1' -16 psf	zone 1 -28.2 psf	zone 2 -37.3 psf	zone 3 -50.9 psf	zone 1 -32.7 psf	zone 2 -43.3 psf	zone 3 -57 psf	zone 1 -29.7 psf	zone 2 -32.7 psf	zone 3 -50.9 psf
29 ga	2.00	2.00	2.00	1.75	2.00	2.00	1.50	2.00	2.00	1.75

110D

Thickness	zone 1' -19.5 psf	zone 1 -34.1 psf	zone 2 -45.2 psf	zone 3 -61.7 psf	zone 1 -39.7 psf	zone 2 -52.5 psf	zone 3 -69 psf	zone 1 -36 psf	zone 2 -39.7 psf	zone 3 -61.7 psf
29 ga	2.00	2.00	1.75	1.25	2.00	1.50	1.25	2.00	2.00	1.25

120D

Thickness	zone 1' -23.2 psf	zone 1 -40.7 psf	zone 2 -53.8 psf	zone 3 -73.5 psf	zone 1 -47.3 psf	zone 2 -62.6 psf	zone 3 -82.2 psf	zone 1 -42.9 psf	zone 2 -47.3 psf	zone 3 -73.5 psf
29 ga	2.00	2.00	1.50	1.00	1.75	1.25	1.00	2.00	1.75	1.00

130D

Thickness	zone 1' -27.3 psf	zone 1 -47.8 psf	zone 2 -63.2 psf	zone 3 -86.3 psf	zone 1 -55.5 psf	zone 2 -73.5 psf	zone 3 -96.6 psf	zone 1 -50.4 psf	zone 2 -55.5 psf	zone 3 -86.3 psf
29 ga	2.00	1.75	1.25	1.00	1.50	1.00	0.75	1.75	1.50	1.00

140D

Thickness	zone 1' -31.7 psf	zone 1 -55.5 psf	zone 2 -73.4 psf	zone 3 -100.2 psf	zone 1 -64.5 psf	zone 2 -85.3 psf	zone 3 -112 psf	zone 1 -58.5 psf	zone 2 -64.5 psf	zone 3 -100.2 psf
29 ga	2.00	1.50	1.00	0.75	1.25	1.00	0.75	1.50	1.25	0.75

150D

Thickness	zone 1' -36.5 psf	zone 1 -63.8 psf	zone 2 -84.3 psf	zone 3 -115 psf	zone 1 -74.1 psf	zone 2 -98 psf	zone 3 -128.7 psf	zone 1 -67.2 psf	zone 2 -74.1 psf	zone 3 -115 psf
29 ga	2.00	1.25	1.00	0.75	1.00	0.75	0.50	1.25	1.00	0.75

160D

Thickness	zone 1' -41.6 psf	zone 1 -72.7 psf	zone 2 -96 psf	zone 3 -130.9 psf	zone 1 -84.3 psf	zone 2 -111.5 psf	zone 3 -146.5 psf	zone 1 -76.5 psf	zone 2 -84.3 psf	zone 3 -130.9 psf
29 ga	2.00	1.00	0.75	0.50	N.G.	N.G.	N.G.	1.00	1.00	0.50

170D

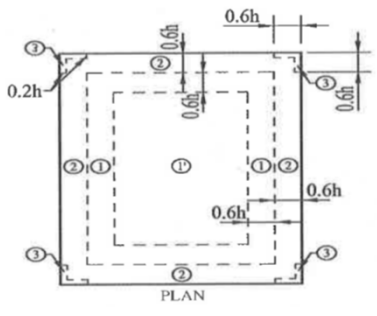
Thickness	zone 1' -47 psf	zone 1 -82.1 psf	zone 2 -108.4 psf	zone 3 -147.8 psf	zone 1 -95.2 psf	zone 2 -125.9 psf	zone 3 -165.4 psf	zone 1 -86.5 psf	zone 2 -95.2 psf	zone 3 -147.8 psf
29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.

Notes:

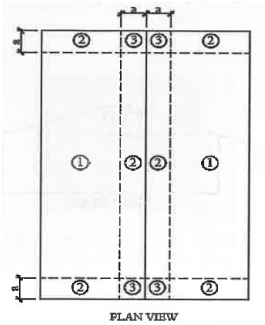
1. Allowable spacing is based on a Design Pressures listed in the FBC 2023 Approval, FL14645.8 and determined by interpolation of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

2. Allowable spacing is based on an applied load determined using ASCE 7-22 for the Wind Speeds, Wind Exposure Categories, " Roof Slopes, and Roof Zones shown, assuming 10 square feet tributary area, Enclosed Gable Roof, 3 or more equal span case, Topographic Factor of 1 and Mean Roof Height of 30 feet. Tornado Loads are not considered.

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



Roof Slope: < 1.47:12



Roof Slope: 1.48:12 to 12:12