metal sales
manufacturing corporation

Classic Rib on 19/32" Plywood

Roof Fastener Spacing (feet)

Wind Speed (mph) / Exposure Category

110D

Roof Slope: 0.5:12 to 1.5:12				
Thickness	zone 1' -18 psf	zone 1 -31.7 psf	zone 2 -42 psf	zone 3 -57.4 psf
26 ga	3.00	3.00	3.00	3.00

Roof Slope: 1.5:12 to 6:12		
zone 1,2e -36.8 psf	z 2n,2r,3e -53.9 psf	zone 3r -64.2 psf
3.00	3.00	3.00

Roof Slope: 6:12 to 12:12		
z 1,2e,2r -33.4 psf	z 2n,3r -36.8 psf	zone 3e -57.4 psf
3.00	3.00	3.00

120D

Thickness	zone 1' -21.5 psf	zone 1 -37.8 psf	zone 2 -50 psf	zone 3 -68.3 psf
26 ga	3.00	3.00	3.00	3.00

zone 1,2e -43.9 psf	z 2n,2r,3e -64.3 psf	zone 3r -76.5 psf
3.00	3.00	2.75

z 1,2e,2r -39.8 psf	z 2n,3r -43.9 psf	zone 3e -68.3 psf
3.00	3.00	3.00

130D

Thickness	zone 1' -25.3 psf	zone 1 -44.5 psf	zone 2 -58.8 psf	zone 3 -80.3 psf
26 ga	3.00	3.00	3.00	2.50

zone 1,2e -51.6 psf	z 2n,2r,3e -75.5 psf	zone 3r -89.9 psf
3.00	2.75	2.00

z 1,2e,2r -46.8 psf	z 2n,3r -51.6 psf	zone 3e -80.3 psf
3.00	3.00	2.50

140D

Thickness	zone 1' -29.5 psf	zone 1 -51.6 psf	zone 2 -68.3 psf	zone 3 -93.2 psf
26 ga	3.00	3.00	3.00	1.75

zone 1,2e -59.9 psf	z 2n,2r,3e -87.7 psf	zone 3r -104.3 psf
3.00	2.00	1.25

z 1,2e,2r -54.4 psf	z 2n,3r -59.9 psf	zone 3e -93.2 psf
3.00	3.00	1.75

150D

Thickness	zone 1' -33.9 psf	zone 1 -59.3 psf	zone 2 -78.4 psf	zone 3 -107.1 psf
26 ga	3.00	3.00	2.75	1.00

zone 1,2e -68.9 psf	z 2n,2r,3e -100.7 psf	zone 3r -119.8 psf
N.G.	N.G.	N.G.

z 1,2e,2r -62.5 psf	z 2n,3r -68.9 psf	zone 3e -107.1 psf
3.00	3.00	1.00

160D

Thickness	zone 1' -38.6 psf	zone 1 -67.6 psf	zone 2 -89.3 psf	zone 3 -121.9 psf
26 ga	N.G.	N.G.	N.G.	N.G.

zone 1,2e -78.4 psf	z 2n,2r,3e -114.6 psf	zone 3r -136.4 psf
N.G.	N.G.	N.G.

z 1,2e,2r -71.2 psf	z 2n,3r -78.4 psf	zone 3e -121.9 psf
N.G.	N.G.	N.G.

170D

Thickness	zone 1' -43.7 psf	zone 1 -76.4 psf	zone 2 -100.9 psf	zone 3 -137.7 psf
26 ga	N.G.	N.G.	N.G.	N.G.

zone 1,2e -88.6 psf	z 2n,2r,3e -129.5 psf	zone 3r -154 psf
N.G.	N.G.	N.G.

z 1,2e,2r -80.4 psf	z 2n,3r -88.6 psf	zone 3e -137.7 psf
N.G.	N.G.	N.G.

180D

Thickness	zone 1' -49 psf	zone 1 -85.7 psf	zone 2 -113.1 psf	zone 3 -154.4 psf
26 ga	N.G.	N.G.	N.G.	N.G.

zone 1,2e -99.4 psf	z 2n,2r,3e -145.2 psf	zone 3r -172.7 psf
N.G.	N.G.	N.G.

z 1,2e,2r -90.2 psf	z 2n,3r -99.4 psf	zone 3e -154.4 psf
N.G.	N.G.	N.G.

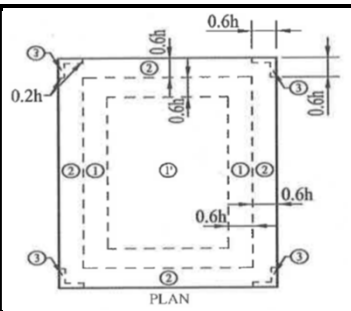
Notes:

1. Allowable spacing is based on a Design Pressures listed in the Miami-Dade NOA, 21-0629.10 Table A and determined by linear of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

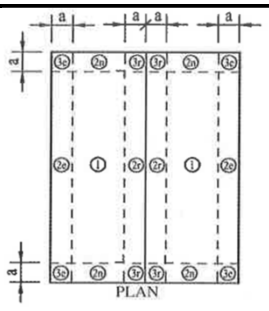
2. Allowable spacing is based on an applied load determined using ASCE 7-16 for the Wind Speeds, Wind Exposure Categories, " Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed Gable Roof, 3 or more span case, Topographic Factor of 1, and Mean Roof Height of 20 feet.

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.

#N/A



Roof Slope: 0.5:12 to 1.5:12



Roof Slope: 1.47:12 to 12:12

metal sales
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Classic Rib on 19/32" Plywood

Roof Fastener Spacing (feet)

110D

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	zone 1' -18 psf	zone 1 -31.7 psf	zone 2 -42 psf	zone 3 -57.4 psf	zone 1,2e -36.8 psf	z 2n,2r,3e -53.9 psf	zone 3r -64.2 psf	z 1,2e,2r -33.4 psf	z 2n,3r -36.8 psf	zone 3e -57.4 psf
26 ga	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

120D

Thickness	zone 1' -21.5 psf	zone 1 -37.8 psf	zone 2 -50 psf	zone 3 -68.3 psf	zone 1,2e -43.9 psf	z 2n,2r,3e -64.3 psf	zone 3r -76.5 psf	z 1,2e,2r -39.8 psf	z 2n,3r -43.9 psf	zone 3e -68.3 psf
26 ga	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

130D

Thickness	zone 1' -25.3 psf	zone 1 -44.5 psf	zone 2 -58.8 psf	zone 3 -80.3 psf	zone 1,2e -51.6 psf	z 2n,2r,3e -75.5 psf	zone 3r -89.9 psf	z 1,2e,2r -46.8 psf	z 2n,3r -51.6 psf	zone 3e -80.3 psf
26 ga	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

140D

Thickness	zone 1' -29.5 psf	zone 1 -51.6 psf	zone 2 -68.3 psf	zone 3 -93.2 psf	zone 1,2e -59.9 psf	z 2n,2r,3e -87.7 psf	zone 3r -104.3 psf	z 1,2e,2r -54.4 psf	z 2n,3r -59.9 psf	zone 3e -93.2 psf
26 ga	2.00	2.00	2.00	0.50*	2.00	2.00	0.50*	2.00	2.00	0.50*

150D

Thickness	zone 1' -33.9 psf	zone 1 -59.3 psf	zone 2 -78.4 psf	zone 3 -107.1 psf	zone 1,2e -68.9 psf	z 2n,2r,3e -100.7 psf	zone 3r -119.8 psf	z 1,2e,2r -62.5 psf	z 2n,3r -68.9 psf	zone 3e -107.1 psf
26 ga	2.00	2.00	2.00	0.50*	2.00	0.50*	0.50*	2.00	2.00	0.50*

160D

Thickness	zone 1' -38.6 psf	zone 1 -67.6 psf	zone 2 -89.3 psf	zone 3 -121.9 psf	zone 1,2e -78.4 psf	z 2n,2r,3e -114.6 psf	zone 3r -136.4 psf	z 1,2e,2r -71.2 psf	z 2n,3r -78.4 psf	zone 3e -121.9 psf
26 ga	2.00	2.00	2.00	0.50*	N.G.	N.G.	N.G.	2.00	2.00	0.50*

170D

Thickness	zone 1' -43.7 psf	zone 1 -76.4 psf	zone 2 -100.9 psf	zone 3 -137.7 psf	zone 1,2e -88.6 psf	z 2n,2r,3e -129.5 psf	zone 3r -154 psf	z 1,2e,2r -80.4 psf	z 2n,3r -88.6 psf	zone 3e -137.7 psf
26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.

180D

Thickness	zone 1' -49 psf	zone 1 -85.7 psf	zone 2 -113.1 psf	zone 3 -154.4 psf	zone 1,2e -99.4 psf	z 2n,2r,3e -145.2 psf	zone 3r -172.7 psf	z 1,2e,2r -90.2 psf	z 2n,3r -99.4 psf	zone 3e -154.4 psf
26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.

Notes:

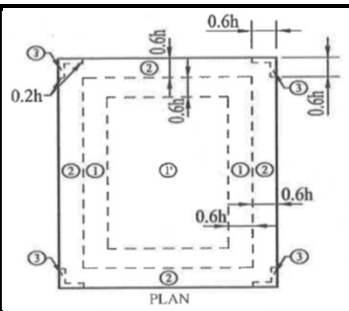
1. Allowable spacing is based on a Design Pressures listed in the Miami-Dade NOA, 21-0629.10 Table B and determined by linear of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

2. Allowable spacing is based on an applied load determined using ASCE 7-16 for the Wind Speeds, Wind Exposure Categories, " Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed Gable Roof, 3 or more span case, Topographic Factor of 1, and Mean Roof Height of 20 feet.

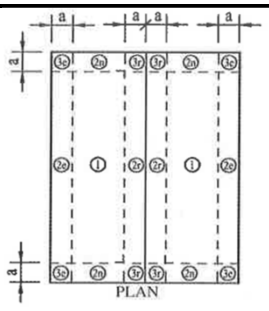
3. Allowable spacing is determined for wind suction using the pressures shown, resulting from the combination 0.6DL + 0.6W. Also considered is the inward wind pressure, 20 psf live load and the weight of the panel.

* - Indicates that fasteners are required in both sides of each rib.

#N/A



Roof Slope: 0.5:12 to 1.5:12



Roof Slope: 1.47:12 to 12:12