metal sales
manufacturing corporation

5V-Crimp on 19/32" Plywood

Roof Fastener Spacing (feet)

140C

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' -26.7 psf	zone 1 -46.8 psf	zone 2 -61.9 psf	zone 3 -84.5 psf	zone 1,2e -54.3 psf	z 2n,2r,3e -79.5 psf	zone 3r -94.5 psf	z 1,2e,2r -49.3 psf	z 2n,3r -54.3 psf	zone 3e -84.5 psf
26 ga	1.33	1.33	1.33	1.00	1.33	1.00	1.00	1.33	1.33	1.00

150C

Thickness	zone 1' -30.7 psf	zone 1 -53.8 psf	zone 2 -71.1 psf	zone 3 -97.1 psf	zone 1,2e -62.4 psf	z 2n,2r,3e -91.3 psf	zone 3r -108.6 psf	z 1,2e,2r -56.7 psf	z 2n,3r -62.4 psf	zone 3e -97.1 psf
26 ga	1.33	1.33	1.33	1.00	1.33	1.00	0.67	1.33	1.33	1.00

160C

Thickness	zone 1' -35 psf	zone 1 -61.3 psf	zone 2 -80.9 psf	zone 3 -110.5 psf	zone 1,2e -71.1 psf	z 2n,2r,3e -103.9 psf	zone 3r -123.6 psf	z 1,2e,2r -64.5 psf	z 2n,3r -71.1 psf	zone 3e -110.5 psf
26 ga	1.33	1.33	1.00	0.67	1.33	0.67	0.67	1.33	1.33	0.67

170C

Thickness	zone 1' -39.6 psf	zone 1 -69.2 psf	zone 2 -91.4 psf	zone 3 -124.8 psf	zone 1,2e -80.3 psf	z 2n,2r,3e -117.4 psf	zone 3r -139.6 psf	z 1,2e,2r -72.9 psf	z 2n,3r -80.3 psf	zone 3e -124.8 psf
26 ga	1.33	1.33	1.00	0.67	1.00	0.67	0.67	1.33	1.00	0.67

180C

Thickness	zone 1' -44.4 psf	zone 1 -77.6 psf	zone 2 -102.6 psf	zone 3 -140 psf	zone 1,2e -90.1 psf	z 2n,2r,3e -131.7 psf	zone 3r -156.6 psf	z 1,2e,2r -81.8 psf	z 2n,3r -90.1 psf	zone 3e -140 psf
26 ga	1.33	1.00	0.67	0.67	1.00	0.67	0.67	1.00	1.00	0.67

190C

Thickness	zone 1' -49.5 psf	zone 1 -86.6 psf	zone 2 -114.3 psf	zone 3 -156 psf	zone 1,2e -100.5 psf	z 2n,2r,3e -146.7 psf	zone 3r -174.5 psf	z 1,2e,2r -91.2 psf	z 2n,3r -100.5 psf	zone 3e -156 psf
26 ga	1.33	1.00	0.67	0.67	0.67	0.67	0.67	1.00	0.67	0.67

200C

Thickness	zone 1' -54.9 psf	zone 1 -96 psf	zone 2 -126.7 psf	zone 3 -172.9 psf	zone 1,2e -111.4 psf	z 2n,2r,3e -162.7 psf	zone 3r -193.4 psf	z 1,2e,2r -101.1 psf	z 2n,3r -111.4 psf	zone 3e -172.9 psf
26 ga	1.33	1.00	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

210C

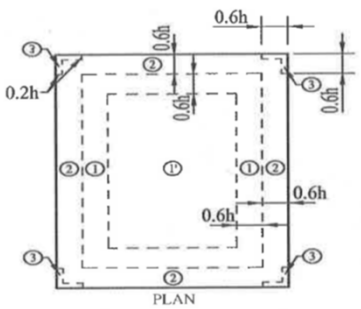
Thickness	zone 1' -60.6 psf	zone 1 -105.9 psf	zone 2 -139.8 psf	zone 3 -190.7 psf	zone 1,2e -122.8 psf	z 2n,2r,3e -179.4 psf	zone 3r -213.3 psf	z 1,2e,2r -111.5 psf	z 2n,3r -122.8 psf	zone 3e -190.7 psf
26 ga	1.33	0.67	0.67	0.67	N.G.	N.G.	N.G.	0.67	0.67	0.67

Notes:

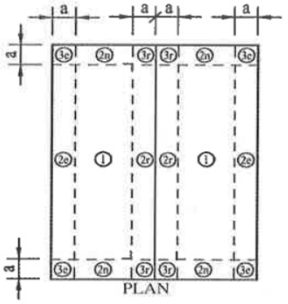
1. Allowable spacing is based on a Design Pressures listed in the Miami-Dade NOA, 23-0222.06 Table A and determined by linear of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

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 30 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.



Roof Slope: 0.5:12 to 1.47:12



Roof Slope: 1.48:12 to 12:12

metal sales
manufacturing corporation

5V-Crimp on 19/32" Plywood

Roof Fastener Spacing (feet)

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' -16.3 psf	zone 1 -28.7 psf	zone 2 -38 psf	zone 3 -52 psf	zone 1,2e -33.4 psf	z 2n,2r,3e -48.9 psf	zone 3r -58.2 psf	z 1,2e,2r -30.3 psf	z 2n,3r -33.4 psf	zone 3e -52 psf
110C	26 ga	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
120C	26 ga	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
130C	26 ga	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
140C	26 ga	2.00	2.00	2.00	2.00	2.00	2.00	1.75	2.00	2.00	2.00
150C	26 ga	2.00	2.00	2.00	1.50	2.00	1.75	1.50	2.00	2.00	1.50
160C	26 ga	2.00	2.00	2.00	1.50	2.00	1.50	1.50	2.00	2.00	1.50
170C	26 ga	2.00	2.00	1.75	1.50	N.G.	N.G.	N.G.	2.00	2.00	1.50
180C	26 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.

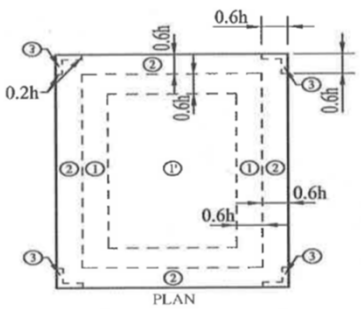
Wind Speed (mph) Exposure Category	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1,2e	z 2n,2r,3e	zone 3r	z 1,2e,2r	z 2n,3r	zone 3e
110C	26 ga	-16.3 psf	-28.7 psf	-38 psf	-52 psf	-33.4 psf	-48.9 psf	-58.2 psf	-30.3 psf	-33.4 psf	-52 psf
120C	26 ga	-19.5 psf	-34.2 psf	-45.3 psf	-61.9 psf	-39.8 psf	-58.3 psf	-69.3 psf	-36.1 psf	-39.8 psf	-61.9 psf
130C	26 ga	-22.9 psf	-40.3 psf	-53.3 psf	-72.8 psf	-46.8 psf	-68.4 psf	-81.5 psf	-42.4 psf	-46.8 psf	-72.8 psf
140C	26 ga	-26.7 psf	-46.8 psf	-61.9 psf	-84.5 psf	-54.3 psf	-79.5 psf	-94.5 psf	-49.3 psf	-54.3 psf	-84.5 psf
150C	26 ga	-30.7 psf	-53.8 psf	-71.1 psf	-97.1 psf	-62.4 psf	-91.3 psf	-108.6 psf	-56.7 psf	-62.4 psf	-97.1 psf
160C	26 ga	-35 psf	-61.3 psf	-80.9 psf	-110.5 psf	-71.1 psf	-103.9 psf	-123.6 psf	-64.5 psf	-71.1 psf	-110.5 psf
170C	26 ga	-39.6 psf	-69.2 psf	-91.4 psf	-124.8 psf	-80.3 psf	-117.4 psf	-139.6 psf	-72.9 psf	-80.3 psf	-124.8 psf
180C	26 ga	-44.4 psf	-77.6 psf	-102.6 psf	-140 psf	-90.1 psf	-131.7 psf	-156.6 psf	-81.8 psf	-90.1 psf	-140 psf

Notes:

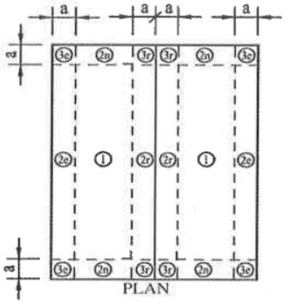
1. Allowable spacing is based on a Design Pressures listed in the Miami-Dade NOA, 23-0222.06 Table B and determined by linear of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

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 30 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.



Roof Slope: 0.5:12 to 1.47:12



Roof Slope: 1.48:12 to 12:12