



16" Magna-Loc on 16 ga Purlins

Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category
120C

Roof Slope: 0.5:12 to 1.47:12				
Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	5.00	5.00

Roof Slope: 1.47:12 to 6.11:12		
zone 1,2e	z 2n,2r,3e	zone 3r
5.00	5.00	5.00

Roof Slope: 6.11:12 to 12:12		
z 1,2e,2r	z 2n,3r	zone 3e
5.00	5.00	5.00

130C

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	5.00	5.00

zone 1,2e	z 2n,2r,3e	zone 3r
5.00	5.00	4.67

z 1,2e,2r	z 2n,3r	zone 3e
5.00	5.00	5.00

140C

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	5.00	4.67

zone 1,2e	z 2n,2r,3e	zone 3r
4.67	5.00	4.00

z 1,2e,2r	z 2n,3r	zone 3e
5.00	5.00	4.67

150C

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	5.00	4.00

zone 1,2e	z 2n,2r,3e	zone 3r
4.00	4.33	3.33

z 1,2e,2r	z 2n,3r	zone 3e
4.67	5.00	4.00

160C

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	4.67	3.33

zone 1,2e	z 2n,2r,3e	zone 3r
3.67	3.67	3.00

z 1,2e,2r	z 2n,3r	zone 3e
4.00	5.00	3.33

170C

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	4.33	3.00

zone 1,2e	z 2n,2r,3e	zone 3r
3.00	3.33	2.67

z 1,2e,2r	z 2n,3r	zone 3e
3.33	4.67	3.00

180C

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	5.00	3.67	2.67

zone 1,2e	z 2n,2r,3e	zone 3r
2.67	3.00	2.33

z 1,2e,2r	z 2n,3r	zone 3e
3.00	4.33	2.67

190C

Thickness	zone 1'	zone 1	zone 2	zone 3
24 ga	5.00	4.33	3.33	2.33

zone 1,2e	z 2n,2r,3e	zone 3r
2.33	2.67	2.00

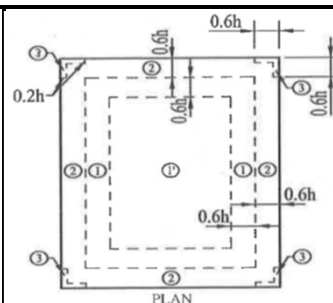
z 1,2e,2r	z 2n,3r	zone 3e
2.67	3.67	2.33

Notes:

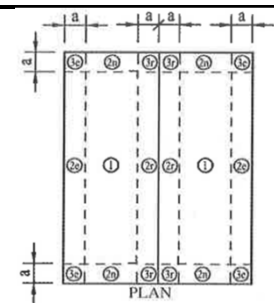
1. Allowable spacing is based on a Design Pressures listed in the FBC 2020 Approval, FL10999.5 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

2. Allowable spacing is based on an applied load determined using ASCE 7-16 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 25 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: 1.47:12 to 12:12

#N/A