

# 16" Magna-Loc on 22 ga Steel Deck

## Roof Fastener Spacing (feet)

Wind Speed (mph)  
Exposure Category

120D

130D

140D

150D

160D

170D

180D

190D

Roof Slope: 0.5:12 to 1.5:12

Thickness	Field	Edge	Corner
24 ga	3.00	3.00	1.00*

Thickness	Field	Edge	Corner
24 ga	3.00	3.00	1.00*

Thickness	Field	Edge	Corner
24 ga	3.00	3.00	1.00*

Thickness	Field	Edge	Corner
24 ga	3.00	1.00*	1.00*

Thickness	Field	Edge	Corner
24 ga	3.00	1.00*	1.00*

Thickness	Field	Edge	Corner
24 ga	3.00	1.00*	1.00*

Thickness	Field	Edge	Corner
24 ga	3.00	1.00*	1.00*

Thickness	Field	Edge	Corner
24 ga	1.00*	1.00*	1.00*

Roof Slope: 1.5:12 to 6:12

Field	Edge	Corner
3.00	3.00	3.00

Field	Edge	Corner
3.00	3.00	1.00*

Field	Edge	Corner
3.00	3.00	1.00*

Field	Edge	Corner
3.00	1.00*	1.00*

Field	Edge	Corner
3.00	1.00*	1.00*

Field	Edge	Corner
3.00	1.00*	1.00*

Field	Edge	Corner
3.00	1.00*	1.00*

Field	Edge	Corner
3.00	1.00*	1.00*

Roof Slope: 6:12 to 12:12

Field	Edge	Corner
3.00	3.00	3.00

Field	Edge	Corner
3.00	3.00	3.00

Field	Edge	Corner
3.00	3.00	3.00

Field	Edge	Corner
3.00	3.00	3.00

Field	Edge	Corner
3.00	3.00	3.00

Field	Edge	Corner
3.00	3.00	3.00

Field	Edge	Corner
3.00	1.00*	1.00*

Field	Edge	Corner
1.00*	1.00*	1.00*

**Notes:**

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL11560.7 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and patterns 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.

\* - Indicates that MPW-1203-8 Clip are required in this zone.

- ① - FIELD
- ② - EDGE
- ③ - CORNER
- A - LEAST OF 10% MINIMUM BUILDING WIDTH OR 40% OF ROOF MEAN HEIGHT BUT NOT LESS THAN 3'-0"

