metal sales
manufacturing corporation

16" Magna-Loc on 16 ga Purlins

Roof Fastener Spacing (feet)

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	Field -24.2 psf	Edge -27.3 psf	Corner -41.5 psf	Field -22.1 psf	Edge -25.9 psf	Corner -38.7 psf	Field -24.2 psf	Edge -18.8 psf	Corner -18.8 psf
120D	24 ga	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
130D	24 ga	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
140D	24 ga	5.00	5.00	4.33	5.00	5.00	4.67	5.00	5.00	5.00
150D	24 ga	5.00	5.00	3.67	5.00	5.00	4.00	5.00	5.00	5.00
160D	24 ga	5.00	5.00	3.33	5.00	5.00	3.67	5.00	5.00	5.00
170D	24 ga	5.00	4.33	3.00	5.00	4.67	3.00	5.00	5.00	5.00
180D	24 ga	4.33	4.00	2.67	5.00	4.00	2.67	4.33	5.00	5.00
190D	24 ga	4.00	3.33	2.33	4.33	3.67	2.33	4.00	5.00	5.00

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL10999.5 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and patters 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.