

Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category

120D

Roof Slope: 0.5:12 to 1.5:12			
Thickness	Field	Edge	Corner
0.032"	-24.6 psf 1.50	-41.6 psf 1.00	-62.7 psf 0.50

Roof Slope: 1.5:12 to 6:12		
Field	Edge	Corner
-22.5 psf 1.50	-39.5 psf 1.00	-58.5 psf 0.50

Roof Slope: 6:12 to 12:12		
Field	Edge	Corner
-24.6 psf 1.50	-28.9 psf 1.50	-28.9 psf 1.50

130D

Thickness	Field	Edge	Corner
0.032"	-29 psf 1.50	-48.8 psf 0.50	-73.7 psf 0.50

Field	Edge	Corner
-26.5 psf 1.50	-46.4 psf 0.50	-68.7 psf 0.50

Field	Edge	Corner
-29 psf 1.50	-33.9 psf 1.00	-33.9 psf 1.00

140D

Thickness	Field	Edge	Corner
0.032"	-33.7 psf 1.00	-56.7 psf 0.50	-85.5 psf 0.50

Field	Edge	Corner
-30.8 psf 1.00	-53.8 psf 0.50	-79.8 psf 0.50

Field	Edge	Corner
-33.7 psf 1.00	-39.4 psf 1.00	-39.4 psf 1.00

150D

Thickness	Field	Edge	Corner
0.032"	-38.7 psf 1.00	-65.1 psf 0.50	-98.2 psf 0.50

Field	Edge	Corner
-35.4 psf 1.00	-61.8 psf 0.50	-91.6 psf 0.50

Field	Edge	Corner
-38.7 psf 1.00	-45.3 psf 0.50	-45.3 psf 0.50

160D

Thickness	Field	Edge	Corner
0.032"	-44.1 psf 1.00	-74.2 psf 0.50	-111.8 psf 0.50*

Field	Edge	Corner
-40.3 psf 1.00	-70.4 psf 0.50	-104.3 psf 0.50

Field	Edge	Corner
-44.1 psf 1.00	-51.6 psf 0.50	-51.6 psf 0.50

170D

Thickness	Field	Edge	Corner
0.032"	-49.8 psf 0.50	-83.8 psf 0.50	-126.3 psf 0.50*

Field	Edge	Corner
-45.5 psf 0.50	-79.5 psf 0.50	-117.8 psf 0.50*

Field	Edge	Corner
-49.8 psf 0.50	-58.3 psf 0.50	-58.3 psf 0.50

180D

Thickness	Field	Edge	Corner
0.032"	-55.9 psf 0.50	-94 psf 0.50	-141.6 psf 0.50*

Field	Edge	Corner
-51.1 psf 0.50	-89.2 psf 0.50	-132.1 psf 0.50*

Field	Edge	Corner
-55.9 psf 0.50	-65.4 psf 0.50	-65.4 psf 0.50

190D

Thickness	Field	Edge	Corner
0.032"	-62.3 psf 0.50	-104.7 psf 0.50*	-157.8 psf 0.50*

Field	Edge	Corner
-57 psf 0.50	-99.4 psf 0.50	-147.2 psf 0.50*

Field	Edge	Corner
-62.3 psf 0.50	-72.9 psf 0.50	-72.9 psf 0.50

Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL11560.3 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 Support Straps must be installed per the Approval.

- 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"

