

TI3

Classic Rib on 16 ga Purlins

Roof Fastener Spacing (feet)

Wind Speed (mph) Exposure Category

120C

Roof Slope: 0.5:12 to 1.5:12				
	Field	Edge -34.7 psf	Corner	
Thickness	-20.5 psf	-34.7 psf	-52.5 psf	
26 ga	4.00	4.00	4.00	

Roof Slope: 1.5:12 to 6:12			
Field	Edge	Corner	
-18.7 psf	-32.9 psf	-48.9 psf	
4.00	4.00	4.00	

Roof Slope: 6:12 to 12:12			
Field	Edge	Corner	
-20.5 psf	-24 psf	-24 psf	
4.00	4.00	4.00	
	Field -20.5 psf	Field Edge -20.5 psf -24 psf	

130C

	Field	Edge	Corner
Thickness	-24.1 psf	-40.8 psf	-61.7 psf
26 ga	4.00	4.00	3.75

Field	Edge	Corner
-24.1 psf	-28.3 psf	-28.3 psf
4.00	4.00	4.00

140C

	Field	Edge	Corner
Thickness	-28.1 psf	-47.4 psf	-71.6 psf
26 ga	4.00	4.00	3.25

Field	Edge	Corner
-25.6 psf	-45 psf	-66.8 psf
4.00	4.00	3.50

Field	Edge	Corner
-28.1 psf	-32.9 psf	-32.9 psf
4.00	4.00	4.00

150C

	Field	Edge	Corner
Thickness	-32.3 psf	-54.5 psf	-82.3 psf
26 ga	4.00	4.00	2.75

Field	Edge	Corner
-29.5 psf	-51.7 psf	-76.7 psf
4.00	4.00	3.00

Field	Edge	Corner
-32.3 psf	-37.8 psf	-37.8 psf
4.00	4.00	4.00

160C

	Field	Edge	Corner
Thickness	-36.8 psf	-62.1 psf	-93.7 psf
26 ga	4.00	3.75	2.50

Field	Edge	Corner
-33.6 psf	-58.9 psf	-87.4 psf
4.00	4.00	2.75

Field	Edge	Corner
-36.8 psf	-43.1 psf	-43.1 psf
4.00	4.00	4.00

170C

	Field	Edge	Corner
Thickness	-41.6 psf	-70.1 psf	-105.8 psf
26 ga	4.00	3.25	2.25

Field	Edge	Corner
-38 psf	-66.6 psf	-98.7 psf
4.00	3.50	2.25

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Field	Edge	Corner
-41.6 psf	-48.7 psf	-48.7 psf
4.00	4.00	4.00

180C

	Field	Edge	Corner
Thickness	-46.7 psf	-78.7 psf	-118.7 psf
26 ga	4.00	3.00	2.00

Field	Edge	Corner
-42.7 psf	-74.7 psf	-110.7 psf
4.00	3.25	2.00

Field	Edge	Corner
-46.7 psf	-54.7 psf	-54.7 psf
4.00	4.00	4.00

190C

	Field	Edge	Corner
Thickness			
26 ga	4.00	2.75	2.00

Field	Edge	Corner
-47.6 psf	-83.3 psf	-123.4 psf
4.00	2.75	2.00

Field	Edge	Corner
-52.1 psf	-61 psf	-61 psf
4.00	4.00	4.00

Notes:

 Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL10999.3 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.
- 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.

