

## Roof Fastener Spacing (feet)

Wind Speed (mph) Exposure Category	Roof Slope: 0.5:12 to 1.47:12				Roof Slope: 1.48:12 to 6.11:12			Roof Slope: 6.12:12 to 12:12			
	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3	zone 1	zone 2	zone 3
100D	29 ga	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
		-16 psf	-28.2 psf	-37.3 psf	-50.9 psf	-32.7 psf	-43.3 psf	-57 psf	-29.7 psf	-32.7 psf	-50.9 psf
110D	29 ga	2.00	2.00	2.00	2.00	2.00	2.00	1.75	2.00	2.00	2.00
		-19.5 psf	-34.1 psf	-45.2 psf	-61.7 psf	-39.7 psf	-52.5 psf	-69 psf	-36 psf	-39.7 psf	-61.7 psf
120D	29 ga	2.00	2.00	2.00	1.75	2.00	2.00	1.50	2.00	2.00	1.75
		-23.2 psf	-40.7 psf	-53.8 psf	-73.5 psf	-47.3 psf	-62.6 psf	-82.2 psf	-42.9 psf	-47.3 psf	-73.5 psf
130D	29 ga	2.00	2.00	2.00	1.50	2.00	1.75	1.25	2.00	2.00	1.50
		-27.3 psf	-47.8 psf	-63.2 psf	-86.3 psf	-55.5 psf	-73.5 psf	-96.6 psf	-50.4 psf	-55.5 psf	-86.3 psf
140D	29 ga	2.00	2.00	1.75	1.25	2.00	1.50	1.00	2.00	2.00	1.25
		-31.7 psf	-55.5 psf	-73.4 psf	-100.2 psf	-64.5 psf	-85.3 psf	-112 psf	-58.5 psf	-64.5 psf	-100.2 psf
150D	29 ga	2.00	2.00	1.50	1.00	1.75	1.25	1.00	2.00	1.75	1.00
		-36.5 psf	-63.8 psf	-84.3 psf	-115 psf	-74.1 psf	-98 psf	-128.7 psf	-67.2 psf	-74.1 psf	-115 psf
160D	29 ga	2.00	1.75	1.25	1.00	N.G.	N.G.	N.G.	1.75	1.50	1.00
		-41.6 psf	-72.7 psf	-96 psf	-130.9 psf	-84.3 psf	-111.5 psf	-146.5 psf	-76.5 psf	-84.3 psf	-130.9 psf
170D	29 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
		-47 psf	-82.1 psf	-108.4 psf	-147.8 psf	-95.2 psf	-125.9 psf	-165.4 psf	-86.5 psf	-95.2 psf	-147.8 psf

### Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2023 Approval, FL14645.9 and determined by 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 7-22 for the Wind Speeds, Wind Exposure Categories, "Roof Slopes, and Roof Zones shown, assuming 10 square feet tributary area, Enclosed Gable Roof, 3 or more equal span case, Topographic Factor of 1 and Mean Roof Height of 30 feet. Tornado Loads are not considered.
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.

