



# Seam-Loc 24 on 16 ga Purlins

## Roof Fastener Spacing (feet)

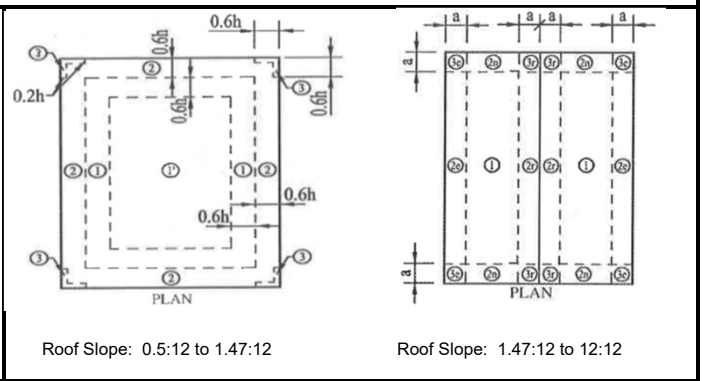
Wind Speed (mph) Exposure Category	Roof Slope: 0.5:12 to 1.47:12				Roof Slope: 1.47:12 to 6.11:12			Roof Slope: 6.11:12 to 12:12			
	Thickness	zone 1'	zone 1	zone 2	zone 3	zone 1,2e	z 2n,2r,3e	zone 3r	z 1,2e,2r	z 2n,3r	zone 3e
100C	24 ga	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
		-12.7 psf	-14.9 psf	-19.9 psf	-27.3 psf	-26.3 psf	-25.6 psf	-30.6 psf	-23.8 psf	-17.4 psf	-27.3 psf
110C	24 ga	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
		-15.5 psf	-18.2 psf	-24.2 psf	-33.2 psf	-31.9 psf	-31.2 psf	-37.2 psf	-28.9 psf	-21.2 psf	-33.2 psf
120C	24 ga	5.00	5.00	5.00	4.67	4.67	5.00	4.00	5.00	5.00	4.67
		-18.5 psf	-21.7 psf	-28.9 psf	-39.6 psf	-38.1 psf	-37.2 psf	-44.4 psf	-34.5 psf	-25.3 psf	-39.6 psf
130C	24 ga	5.00	5.00	5.00	4.00	4.00	4.00	3.33	4.33	5.00	4.00
		-21.9 psf	-25.6 psf	-34 psf	-46.6 psf	-44.8 psf	-43.8 psf	-52.2 psf	-40.6 psf	-29.8 psf	-46.6 psf
140C	24 ga	5.00	5.00	4.67	3.33	3.33	3.67	2.67	4.00	5.00	3.33
		-25.5 psf	-29.8 psf	-39.5 psf	-54.1 psf	-52.1 psf	-50.9 psf	-60.6 psf	-47.2 psf	-34.7 psf	-54.1 psf
150C	24 ga	5.00	5.00	4.00	2.67	2.67	3.00	2.00	3.33	4.67	2.67
		-29.3 psf	-34.3 psf	-45.5 psf	-62.2 psf	-59.9 psf	-58.5 psf	-69.7 psf	-54.3 psf	-39.9 psf	-62.2 psf
160C	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
		-33.5 psf	-39.1 psf	-51.8 psf	-70.9 psf	-68.2 psf	-66.7 psf	-79.4 psf	-61.9 psf	-45.5 psf	-70.9 psf
170C	24 ga	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.	N.G.
		-37.9 psf	-44.3 psf	-58.6 psf	-80.1 psf	-77.1 psf	-75.3 psf	-89.7 psf	-70 psf	-51.4 psf	-80.1 psf

**Notes:**

1. Allowable spacing is based on a Design Pressures listed in the FBC 2020 Approval, FL10999.8 and determined by linear 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 7-16 for the Wind Speeds, Wind Exposure Categories, "Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed Gable Roof, 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 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.



#N/A