



Classic Rib on 2x Purlins

Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category
120C

Roof Slope: 0.5:12 to 1.47:12				
	zone 1'	zone 1	zone 2	zone 3
Thickness	-18.8 psf	-33 psf	-43.7 psf	-59.7 psf
29 ga	2.00	2.00	2.00	2.00

Roof Slope: 1.47:12 to 6.11:12		
	z 2n,2r,3e	zone 3r
zone 1,2e	-56.1 psf	-66.8 psf
z 2n,2r,3e	-56.1 psf	-66.8 psf
zone 3r	2.00	2.00

Roof Slope: 6.11:12 to 12:12		
	z 2n,3r	zone 3e
z 1,2e,2r	-38.4 psf	-59.7 psf
z 2n,3r	-38.4 psf	-59.7 psf
zone 3e	2.00	2.00

130C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-22.2 psf	-38.8 psf	-51.4 psf	-70.1 psf
29 ga	2.00	2.00	2.00	2.00

	z 2n,2r,3e	zone 3r
zone 1,2e	-66 psf	-78.5 psf
z 2n,2r,3e	-66 psf	-78.5 psf
zone 3r	2.00	2.00

	z 2n,3r	zone 3e
z 1,2e,2r	-45.1 psf	-70.1 psf
z 2n,3r	-45.1 psf	-70.1 psf
zone 3e	2.00	2.00

140C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-25.8 psf	-45.1 psf	-59.6 psf	-81.4 psf
29 ga	2.00	2.00	2.00	2.00

	z 2n,2r,3e	zone 3r
zone 1,2e	-76.5 psf	-91.1 psf
z 2n,2r,3e	-76.5 psf	-91.1 psf
zone 3r	2.00	2.00

	z 2n,3r	zone 3e
z 1,2e,2r	-52.4 psf	-81.4 psf
z 2n,3r	-52.4 psf	-81.4 psf
zone 3e	2.00	2.00

150C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-29.6 psf	-51.8 psf	-68.5 psf	-93.5 psf
29 ga	2.00	2.00	2.00	2.00

	z 2n,2r,3e	zone 3r
zone 1,2e	-87.9 psf	-104.6 psf
z 2n,2r,3e	-87.9 psf	-104.6 psf
zone 3r	2.00	2.00

	z 2n,3r	zone 3e
z 1,2e,2r	-60.2 psf	-93.5 psf
z 2n,3r	-60.2 psf	-93.5 psf
zone 3e	2.00	2.00

160C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-33.7 psf	-59 psf	-78 psf	-106.4 psf
29 ga	2.00	2.00	2.00	2.00

	z 2n,2r,3e	zone 3r
zone 1,2e	-100.1 psf	-119.1 psf
z 2n,2r,3e	-100.1 psf	-119.1 psf
zone 3r	2.00	2.00

	z 2n,3r	zone 3e
z 1,2e,2r	-68.5 psf	-106.4 psf
z 2n,3r	-68.5 psf	-106.4 psf
zone 3e	2.00	2.00

170C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-38.1 psf	-66.7 psf	-88.1 psf	-120.2 psf
29 ga	2.00	2.00	2.00	2.00

	z 2n,2r,3e	zone 3r
zone 1,2e	-113 psf	-134.4 psf
z 2n,2r,3e	-113 psf	-134.4 psf
zone 3r	N.G.	N.G.

	z 2n,3r	zone 3e
z 1,2e,2r	-77.4 psf	-120.2 psf
z 2n,3r	-77.4 psf	-120.2 psf
zone 3e	2.00	2.00

180C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-42.8 psf	-74.8 psf	-98.8 psf	-134.8 psf
29 ga	N.G.	N.G.	N.G.	N.G.

	z 2n,2r,3e	zone 3r
zone 1,2e	-126.8 psf	-150.8 psf
z 2n,2r,3e	-126.8 psf	-150.8 psf
zone 3r	N.G.	N.G.

	z 2n,3r	zone 3e
z 1,2e,2r	-86.8 psf	-134.8 psf
z 2n,3r	-86.8 psf	-134.8 psf
zone 3e	N.G.	N.G.

190C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-47.7 psf	-83.4 psf	-110.1 psf	-150.2 psf
29 ga	N.G.	N.G.	N.G.	N.G.

	z 2n,2r,3e	zone 3r
zone 1,2e	-141.3 psf	-168 psf
z 2n,2r,3e	-141.3 psf	-168 psf
zone 3r	N.G.	N.G.

	z 2n,3r	zone 3e
z 1,2e,2r	-96.8 psf	-150.2 psf
z 2n,3r	-96.8 psf	-150.2 psf
zone 3e	N.G.	N.G.

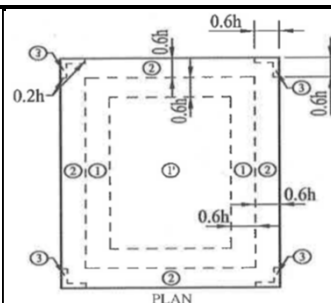
Notes:

1. Allowable spacing is based on a Design Pressures listed in the FBC 2020 Approval, FL10999.4 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.

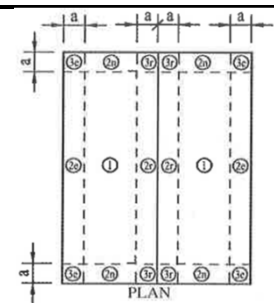
2. Allowable spacing is based on an applied load determined using ASCE 7-16 for the Wind Speeds, Wind Exposure Categories, "Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed Gable Roof, 3 or more span case, Topographic Factor of 1, and Mean Roof Height of 25 feet.

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



Roof Slope: 0.5:12 to 1.47:12



Roof Slope: 1.47:12 to 12:12