



Classic Rib on 15/32" Plywood

Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category
100C

Roof Slope: 0.5:12 to 1.47:12				
	zone 1'	zone 1	zone 2	zone 3
Thickness	-13 psf	-22.8 psf	-30.2 psf	-41.3 psf
29 ga	4.00	4.00	4.00	4.00

Roof Slope: 1.47:12 to 6.11:12		
	z 2n,2r,3e	zone 3r
Thickness	-38.9 psf	-46.3 psf
29 ga	4.00	3.50

Roof Slope: 6.11:12 to 12:12		
	z 2n,3r	zone 3e
Thickness	-26.5 psf	-41.3 psf
29 ga	4.00	4.00

110C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-15.8 psf	-27.7 psf	-36.7 psf	-50.1 psf
29 ga	4.00	4.00	4.00	3.25

	z 2n,2r,3e	zone 3r
Thickness	-47.1 psf	-56.1 psf
29 ga	3.50	2.75

	z 2n,3r	zone 3e
Thickness	-32.2 psf	-50.1 psf
29 ga	4.00	3.25

120C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-18.8 psf	-33 psf	-43.7 psf	-59.7 psf
29 ga	4.00	4.00	3.75	2.50

	z 2n,2r,3e	zone 3r
Thickness	-56.1 psf	-66.8 psf
29 ga	2.75	2.00

	z 2n,3r	zone 3e
Thickness	-38.4 psf	-59.7 psf
29 ga	4.00	2.50

130C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-22.2 psf	-38.8 psf	-51.4 psf	-70.1 psf
29 ga	4.00	4.00	3.00	1.75

	z 2n,2r,3e	zone 3r
Thickness	-66 psf	-78.5 psf
29 ga	2.25	1.25

	z 2n,3r	zone 3e
Thickness	-45.1 psf	-70.1 psf
29 ga	3.50	1.75

140C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-25.8 psf	-45.1 psf	-59.6 psf	-81.4 psf
29 ga	4.00	3.50	2.50	1.00

	z 2n,2r,3e	zone 3r
Thickness	-76.5 psf	-91.1 psf
29 ga	N.G.	N.G.

	z 2n,3r	zone 3e
Thickness	-52.4 psf	-81.4 psf
29 ga	3.25	1.00

150C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-29.6 psf	-51.8 psf	-68.5 psf	-93.5 psf
29 ga	N.G.	N.G.	N.G.	N.G.

	z 2n,2r,3e	zone 3r
Thickness	-87.9 psf	-104.6 psf
29 ga	N.G.	N.G.

	z 2n,3r	zone 3e
Thickness	-60.2 psf	-93.5 psf
29 ga	N.G.	N.G.

160C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-33.7 psf	-59 psf	-78 psf	-106.4 psf
29 ga	N.G.	N.G.	N.G.	N.G.

	z 2n,2r,3e	zone 3r
Thickness	-100.1 psf	-119.1 psf
29 ga	N.G.	N.G.

	z 2n,3r	zone 3e
Thickness	-68.5 psf	-106.4 psf
29 ga	N.G.	N.G.

170C

	zone 1'	zone 1	zone 2	zone 3
Thickness	-38.1 psf	-66.7 psf	-88.1 psf	-120.2 psf
29 ga	N.G.	N.G.	N.G.	N.G.

	z 2n,2r,3e	zone 3r
Thickness	-113 psf	-134.4 psf
29 ga	N.G.	N.G.

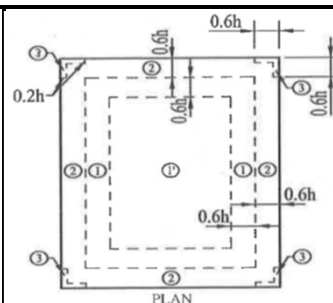
	z 2n,3r	zone 3e
Thickness	-77.4 psf	-120.2 psf
29 ga	N.G.	N.G.

Notes:

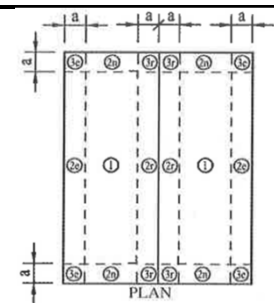
1. Allowable spacing is based on a Design Pressures listed in the FBC 2020 Approval, FL14645.7 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

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.



Roof Slope: 0.5:12 to 1.47:12



Roof Slope: 1.47:12 to 12:12