



# Roof Fastener Spacing (feet)

# 16" Vertical Seam on 19/32" Plywood

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
0.032"	3.00	3.00	3.00	3.00

Roof Slope: 1.47:12 to 6.11:12		
	z 2n,2r,3e	zone 3r
z 1,2e	-38.9 psf	-46.3 psf
-26.5 psf	3.00	2.67
3.00	3.00	2.67

Roof Slope: 6.11:12 to 12:12		
	z 2n,3r	zone 3e
z 1,2e,2r	-26.5 psf	-41.3 psf
-24.1 psf	3.00	3.00
3.00	3.00	3.00

**110C**

	zone 1'	zone 1	zone 2	zone 3
Thickness	-15.8 psf	-27.7 psf	-36.7 psf	-50.1 psf
0.032"	3.00	3.00	3.00	2.33

	z 2n,2r,3e	zone 3r
z 1,2e	-47.1 psf	-56.1 psf
-32.2 psf	3.00	2.00
3.00	2.33	2.00

	z 2n,3r	zone 3e
z 1,2e,2r	-32.2 psf	-50.1 psf
-29.2 psf	3.00	2.33
3.00	3.00	2.33

**120C**

	zone 1'	zone 1	zone 2	zone 3
Thickness	-18.8 psf	-33 psf	-43.7 psf	-59.7 psf
0.032"	3.00	3.00	2.67	2.00

	z 2n,2r,3e	zone 3r
z 1,2e	-56.1 psf	-66.8 psf
-38.4 psf	3.00	1.67
3.00	2.00	1.67

	z 2n,3r	zone 3e
z 1,2e,2r	-38.4 psf	-59.7 psf
-34.8 psf	3.00	2.00
3.00	3.00	2.00

**130C**

	zone 1'	zone 1	zone 2	zone 3
Thickness	-22.2 psf	-38.8 psf	-51.4 psf	-70.1 psf
0.032"	3.00	3.00	2.33	1.67

	z 2n,2r,3e	zone 3r
z 1,2e	-66 psf	-78.5 psf
-45.1 psf	2.67	1.33
2.67	1.67	1.33

	z 2n,3r	zone 3e
z 1,2e,2r	-45.1 psf	-70.1 psf
-40.9 psf	3.00	1.67
3.00	2.67	1.67

**140C**

	zone 1'	zone 1	zone 2	zone 3
Thickness	-25.8 psf	-45.1 psf	-59.6 psf	-81.4 psf
0.032"	3.00	2.67	2.00	1.33

	z 2n,2r,3e	zone 3r
z 1,2e	-76.6 psf	-91.1 psf
-52.4 psf	2.33	1.00
2.33	1.33	1.00

	z 2n,3r	zone 3e
z 1,2e,2r	-52.4 psf	-81.4 psf
-47.5 psf	2.33	1.33
2.33	2.33	1.33

**150C**

	zone 1'	zone 1	zone 2	zone 3
Thickness	-29.6 psf	-51.8 psf	-68.5 psf	-93.5 psf
0.032"	3.00	2.33	1.67	1.00

	z 2n,2r,3e	zone 3r
z 1,2e	-87.9 psf	-104.6 psf
-60.2 psf	2.00	1.00*
2.00	1.33	1.00*

	z 2n,3r	zone 3e
z 1,2e,2r	-60.2 psf	-93.5 psf
-54.6 psf	2.00	1.00
2.00	2.00	1.00

**160C**

	zone 1'	zone 1	zone 2	zone 3
Thickness	-33.8 psf	-59 psf	-78 psf	-106.4 psf
0.032"	3.00	2.00	1.33	1.00*

	z 2n,2r,3e	zone 3r
z 1,2e	-100.1 psf	-119.1 psf
-68.5 psf	1.67	1.00*
1.67	1.00	1.00*

	z 2n,3r	zone 3e
z 1,2e,2r	-68.5 psf	-106.4 psf
-62.2 psf	2.00	1.67
2.00	1.67	1.00*

**170C**

	zone 1'	zone 1	zone 2	zone 3
Thickness	-38.2 psf	-66.7 psf	-88.1 psf	-120.2 psf
0.032"	3.00	1.67	1.33	1.00*

	z 2n,2r,3e	zone 3r
z 1,2e	-113.1 psf	-134.5 psf
-77.4 psf	1.33	1.00*
1.33	1.00*	1.00*

	z 2n,3r	zone 3e
z 1,2e,2r	-77.4 psf	-120.2 psf
-70.3 psf	1.67	1.33
1.67	1.33	1.00*

**Notes:**

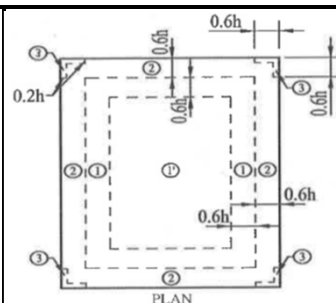
1. Allowable spacing is based on a Design Pressures listed in the FBC 2020 Approval, FL14645.6 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.

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.

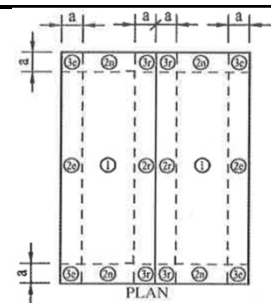
3. Allowable spacing is determined for wind suction using the pressures shown, resulting from the combination 0.6DL + 0.6W. Also considered is the inward wind pressure, 20 psf live load and the weight of the panel.

\* - Indicates that Support Straps must be installed per the Approval.

#N/A



Roof Slope: 0.5:12 to 1.47:12



Roof Slope: 1.47:12 to 12:12