## **Metal Sales**

## Image II on 7/16" OSB

## Roof Fastener Spacing (feet)

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Wind Speed (mph) Exposure Category	Roof Slope:         0.5:12 to 1.47:12           zone 1'         zone 1         zone 2	zone 3	Roof Slope:         1.48:12 to 6.11:12           zone 1         zone 2         zone 3	zone 1 zone 2 zone 3
130C	Thickness         -23.1 psf         -40.4 psf         -53.4 psf           0.032"         1.50         1.00         0.50	-72.9 psf 0.50	-46.9 psf         -62.1 psf         -81.6 psf           0.50         0.50         0.50	
140C	zone 1'         zone 1         zone 2           Thickness         -26.8 psf         -46.9 psf         -62 psf           0.032"         1.50         0.50         0.50	zone 3 -84.6 psf 0.50	zone 1         zone 2         zone 3           -54.5 psf         -72 psf         -94.7 psf           0.50         0.50         0.50	zone 1         zone 2         zone 3           -49.4 psf         -54.5 psf         -84.6 psf           0.50         0.50         0.50
150C	zone 1'         zone 1         zone 2           Thickness         -30.8 psf         -53.9 psf         -71.2 psf           0.032"         1.00         0.50         0.50	zone 3 -97.2 psf 0.50	zone 1         zone 2         zone 3           -62.6 psf         -82.8 psf         -108.7 psi           0.50         0.50         0.50*	zone 1         zone 2         zone 3           -56.8 psf         -62.6 psf         -97.2 psf           0.50         0.50         0.50
160C	zone 1'         zone 1         zone 2           Thickness         -35.1 psf         -61.4 psf         -81.1 psf           0.032"         1.00         0.50         0.50	zone 3 -110.6 psf 0.50*	zone 1         zone 2         zone 3           -71.2 psf         -94.2 psf         -123.8 psi           0.50         0.50         0.50*	zone 1         zone 2         zone 3           -64.7 psf         -71.2 psf         -110.6 psf           0.50         0.50         0.50*
170C	zone 1'         zone 1         zone 2           Thickness         -39.7 psf         -69.3 psf         -91.6 psf           0.032"         1.00         0.50         0.50	zone 3 -124.9 psf 0.50*	zone 1         zone 2         zone 3           -80.5 psf         -106.4 psf         -139.8 psi           0.50         0.50         0.50*	zone 1         zone 2         zone 3           -73 psf         -80.5 psf         -124.9 psf           0.50         0.50         0.50*
180C	zone 1'         zone 1         zone 2           Thickness         -44.5 psf         -77.8 psf         -102.7 psf           0.032"         1.00         0.50         0.50	zone 3 -140.1 psf 0.50*	zone 1         zone 2         zone 3           -90.2 psf         -119.3 psf         -156.7 psi           0.50         0.50*         0.50*	zone 1         zone 2         zone 3           -81.9 psf         -90.2 psf         -140.1 psf           0.50         0.50         0.50*
190C	zone 1'         zone 1         zone 2           Thickness         -49.7 psf         -86.7 psf         -114.5 psf           0.032"         0.50         0.50         0.50*	zone 3 -156.1 psf 0.50*	zone 1         zone 2         zone 3           -100.6 psf         -133 psf         -174.7 psi           0.50         0.50*         0.50*	zone 1         zone 2         zone 3           -91.3 psf         -100.6 psf         -156.1 psf           0.50         0.50         0.50*
200C	zone 1'         zone 1         zone 2           Thickness         -55.1 psf         -96.1 psf         -126.9 psf           0.032"         0.50         0.50         0.50*	zone 3 -173 psf 0.50*	zone 1         zone 2         zone 3           -111.5 psf         -147.4 psf         -193.6 psi           0.50*         0.50*         0.50*	zone 1         zone 2         zone 3           -101.2 psf         -111.5 psf         -173 psf           0.50         0.50*         0.50*
FBC 2023 Approval, FL1 of those values. 1/3 incre and fastening patterns and 2. Allowable spacing is b ASCE 7-22 for the Wind Roof Slopes, and Roof Z tributary area, Enclosed Topographic Factor of 1 Tornado Loads are not c 3. Allowable spacing is c	pased on a Design Pressures listed in the 1560.2 and determined by interpolation pase is not included for wind. The fasteners re shown in the Approval. wased on an applied load determined using Speeds, Wind Exposure Categories, " ones shown, assuming 10 square feet Gable Roof, 3 or more equal span case, and Mean Roof Height of 30 feet. onsidered. letermined for wind suction using the pressures e combination 0.6DL + 0.6W. Also considered	0.2h		
is the inward wind pressure, 20 psf live load and the weight of the panel. * - Indicates the Support Straps must be installed per the Approval.			PLAN Roof Slope: < 1.47:12	FLAN VIEW Roof Slope: 1.48:12 to 12:12