

## Roof Fastener Spacing (feet)

| Wind Speed (mph)<br>Exposure Category | Roof Slope: 0.5:12 to 1.47:12 |                              |                             |                              |                              | Roof Slope: 1.48:12 to 6.11:12 |                              |                              | Roof Slope: 6.12:12 to 12:12 |                             |                              |
|---------------------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|
| 100D                                  | Thickness<br>29 ga            | zone 1'<br>-16 psf<br>2.00   | zone 1<br>-28.2 psf<br>2.00 | zone 2<br>-37.3 psf<br>2.00  | zone 3<br>-50.9 psf<br>2.00  | zone 1<br>-32.7 psf<br>2.00    | zone 2<br>-43.3 psf<br>2.00  | zone 3<br>-57 psf<br>2.00    | zone 1<br>-29.7 psf<br>2.00  | zone 2<br>-32.7 psf<br>2.00 | zone 3<br>-50.9 psf<br>2.00  |
| 110D                                  | Thickness<br>29 ga            | zone 1'<br>-19.5 psf<br>2.00 | zone 1<br>-34.1 psf<br>2.00 | zone 2<br>-45.2 psf<br>2.00  | zone 3<br>-61.7 psf<br>2.00  | zone 1<br>-39.7 psf<br>2.00    | zone 2<br>-52.5 psf<br>2.00  | zone 3<br>-69 psf<br>2.00    | zone 1<br>-36 psf<br>2.00    | zone 2<br>-39.7 psf<br>2.00 | zone 3<br>-61.7 psf<br>2.00  |
| 120D                                  | Thickness<br>29 ga            | zone 1'<br>-23.2 psf<br>2.00 | zone 1<br>-40.7 psf<br>2.00 | zone 2<br>-53.8 psf<br>2.00  | zone 3<br>-73.5 psf<br>2.00  | zone 1<br>-47.3 psf<br>2.00    | zone 2<br>-62.6 psf<br>2.00  | zone 3<br>-82.2 psf<br>2.00  | zone 1<br>-42.9 psf<br>2.00  | zone 2<br>-47.3 psf<br>2.00 | zone 3<br>-73.5 psf<br>2.00  |
| 130D                                  | Thickness<br>29 ga            | zone 1'<br>-27.3 psf<br>2.00 | zone 1<br>-47.8 psf<br>2.00 | zone 2<br>-63.2 psf<br>2.00  | zone 3<br>-86.3 psf<br>2.00  | zone 1<br>-55.5 psf<br>2.00    | zone 2<br>-73.5 psf<br>2.00  | zone 3<br>-96.6 psf<br>2.00  | zone 1<br>-50.4 psf<br>2.00  | zone 2<br>-55.5 psf<br>2.00 | zone 3<br>-86.3 psf<br>2.00  |
| 140D                                  | Thickness<br>29 ga            | zone 1'<br>-31.7 psf<br>2.00 | zone 1<br>-55.5 psf<br>2.00 | zone 2<br>-73.4 psf<br>2.00  | zone 3<br>-100.2 psf<br>2.00 | zone 1<br>-64.5 psf<br>2.00    | zone 2<br>-85.3 psf<br>2.00  | zone 3<br>-112 psf<br>2.00   | zone 1<br>-58.5 psf<br>2.00  | zone 2<br>-64.5 psf<br>2.00 | zone 3<br>-100.2 psf<br>2.00 |
| 150D                                  | Thickness<br>29 ga            | zone 1'<br>-36.5 psf<br>2.00 | zone 1<br>-63.8 psf<br>2.00 | zone 2<br>-84.3 psf<br>2.00  | zone 3<br>-115 psf<br>2.00   | zone 1<br>-74.1 psf<br>N.G.    | zone 2<br>-98 psf<br>N.G.    | zone 3<br>-128.7 psf<br>N.G. | zone 1<br>-67.2 psf<br>2.00  | zone 2<br>-74.1 psf<br>2.00 | zone 3<br>-115 psf<br>2.00   |
| 160D                                  | Thickness<br>29 ga            | zone 1'<br>-41.6 psf<br>N.G. | zone 1<br>-72.7 psf<br>N.G. | zone 2<br>-96 psf<br>N.G.    | zone 3<br>-130.9 psf<br>N.G. | zone 1<br>-84.3 psf<br>N.G.    | zone 2<br>-111.5 psf<br>N.G. | zone 3<br>-146.5 psf<br>N.G. | zone 1<br>-76.5 psf<br>N.G.  | zone 2<br>-84.3 psf<br>N.G. | zone 3<br>-130.9 psf<br>N.G. |
| 170D                                  | Thickness<br>29 ga            | zone 1'<br>-47 psf<br>N.G.   | zone 1<br>-82.1 psf<br>N.G. | zone 2<br>-108.4 psf<br>N.G. | zone 3<br>-147.8 psf<br>N.G. | zone 1<br>-95.2 psf<br>N.G.    | zone 2<br>-125.9 psf<br>N.G. | zone 3<br>-165.4 psf<br>N.G. | zone 1<br>-86.5 psf<br>N.G.  | zone 2<br>-95.2 psf<br>N.G. | zone 3<br>-147.8 psf<br>N.G. |

### Notes:

- Allowable spacing is based on a Design Pressures listed in the FBC 2023 Approval, FL10999.4 and determined by interpolation of those values. 1/3 increase is not included for wind. The fasteners and fastening patterns are shown in the Approval.
- Allowable spacing is based on an applied load determined using ASCE 7-22 for the Wind Speeds, Wind Exposure Categories, "Roof Slopes, and Roof Zones shown, assuming 10 square feet tributary area, Enclosed Gable Roof, 3 or more equal span case, Topographic Factor of 1 and Mean Roof Height of 30 feet. Tornado Loads are not considered.
- 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.

