

16" Vertical Seam on 19/32" Plywood

Roof Fastener Spacing (feet)

Wind Speed (mph) Exposure Category

120D

| Ro | of Slope: 0 | .5:12 to 1.5 | :12 |
|-----------|-------------|--------------|-----------|
| | | | |
| | Field | Edge | Corner |
| Thickness | -24.6 psf | -41.5 psf | -62.7 psf |
| 0.032" | 3.00 | 3.00 | 1.67 |

| Roof SI | ope: 1.5:12 | 2 to 6:12 |
|-----------|-------------|-----------|
| _ | | |
| Field | Edge | Corner |
| -22.5 psf | -39.4 psf | -58.5 psf |
| 3.00 | 3.00 | 2.00 |

| Roof SI | ope: 6:12 t | o 12:12 |
|-----------|-------------|-----------|
| | | |
| Field | Edge | Corner |
| -24.6 psf | -28.8 psf | -28.8 psf |
| 3.00 | 3.00 | 3.00 |

130D

| | Field | Edge | Corner |
|-----------|-----------|-----------|-----------|
| Thickness | -28.9 psf | -48.8 psf | -73.7 psf |
| 0.032" | 3.00 | 2.33 | 1.67 |

| Field | Edge | Corner |
|-----------|-----------|-----------|
| -28.9 psf | -33.9 psf | -33.9 psf |
| 3.00 | 3.00 | 3.00 |

140D

| | Field | Edge | Corner |
|-----------|-----------|-----------|-----------|
| Thickness | -33.6 psf | -56.7 psf | -85.5 psf |
| 0.032" | 3.00 | 2.00 | 1.33 |

| Field | Edge | Corner |
|-----------|-----------|-----------|
| -30.8 psf | -53.8 psf | -79.7 psf |
| 3.00 | 2.00 | 1.33 |

| Field | Edge | Corner |
|-----------|-----------|-----------|
| -33.6 psf | -39.4 psf | -39.4 psf |
| 3.00 | 3.00 | 3.00 |

150D

| Thickness -38.7 psf -65.1 psf -98.2 ps 0.032" 3.00 1.67 1.00 | | Field | Edge | Corner |
|---|-----------|-----------|-----------|-----------|
| 0.032" 3.00 1.67 1.00 | Thickness | -38.7 psf | -65.1 psf | -98.2 psf |
| | 0.032" | 3.00 | 1.67 | 1.00 |

| Field | Edge | Corner |
|-----------|-----------|-----------|
| -38.7 psf | -45.3 psf | -45.3 psf |
| 3.00 | 2.67 | 2.67 |

160D

| | Field | Edge | Corner |
|-----------|---------|-----------|-----------|
| Thickness | -44 psf | -74.1 psf | -111.8 ps |
| 0.032" | 2.67 | 1.67 | 1.00* |

| Field | Edge | Corner |
|-----------|-----------|------------|
| -40.3 psf | -70.4 psf | -104.3 psf |
| 3.00 | 1.67 | 1.00* |

| Field | Edge | Corner |
|---------|-----------|-----------|
| -44 psf | -51.6 psf | -51.6 psf |
| 2 67 | 2.33 | 2.33 |

170D

| | Field | Edge | Corner |
|-----------|-----------|-----------|------------|
| Thickness | -49.8 psf | -83.8 psf | -126.2 psf |
| 0.032" | 2.33 | 1.33 | 1.00* |

| Field | Edge | Corner |
|-----------|-----------|-----------|
| -45.5 psf | -79.5 psf | -117.7 ps |
| 2.67 | 1.33 | 1.00* |

| Field | Edge | Corner |
|-----------|-----------|-----------|
| -49.8 psf | -58.3 psf | -58.3 psf |
| 2.33 | 2.00 | 2.00 |

180D

| | Field | Edge | Corner |
|-----------|-----------|-----------|------------|
| Thickness | -55.8 psf | -93.9 psf | -141.6 psf |
| 0.032" | 2.00 | 1.00 | 1.00* |

| Field | Edge | Corner |
|-----------|-----------|----------|
| -51.1 psf | -89.2 psf | -132 psf |
| 2.33 | 1.33 | 1.00* |

| Field | Edge | Corner |
|-----------|-----------|-----------|
| -55.8 psf | -65.4 psf | -65.4 psf |
| 2.00 | 1.67 | 1.67 |

190D

| | Field | Edge | Corner |
|-----------|-------|-------|--------|
| Thickness | | | |
| 0.032" | 2.00 | 1.00* | 1.00* |

| Field | Edge | Corner |
|-----------|-----------|------------|
| -56.9 psf | -99.4 psf | -147.2 psf |
| 2.00 | 1.00 | 1.00* |

| Field | Edge | Corner |
|-----------|-----------|-----------|
| -62.3 psf | -72.9 psf | -72.9 psf |
| 2.00 | 1.67 | 1.67 |

Notes:

 Allowable spacing is based on a Design Pressures listed in the FBC 2017 Approval, FL14645.7 and determined by linear interpolation of those values. 1/3 increase is not included for wind. The fasteners and patters are shown in the Approval.

- 2. Allowable spacing is based on an applied load determined using ASCE 7-10 for the Wind Speeds, Wind Exposure Categories, " Roof Slopes, and Roof Zones shown, assuming 10 square feet of tributary area, Enclosed building, 3 or more span case, Topographic Factor of 1, and Mean Roof Height of 25 feet.
- Allowable spacing is determined for wind suction using the combination 0.6DL + 0.6W. Also considered is the appropriate inward wind pressure, 20 psf live load and the weight of the panel.
- $\ensuremath{^{\star}}$ Indicates that Support Straps must be installed per the Approval.

