Metal Sales

Image II on 15/32" Plywood

Roof Fastener Spacing (feet)

| Wind Speed | (mp | h) |
|--------------|------|----|
| Exposure Cat | tego | ry |

100D

| Roof Slope: 0.5:12 to 1.47:12 | | | | | | |
|-------------------------------|--|--------|--------|--------|--|--|
| | | | | | | |
| | zone 1' | zone 1 | zone 2 | zone 3 | | |
| Thickness | Thickness -16 psf -28.2 psf -37.3 psf -50.9 ps | | | | | |
| 0.032" | 2.00 | 2.00 | 1.50 | 1.00 | | |

| Roof Slop | e: 1.48:12 | to 6.11:12 |
|-----------|------------|------------|
| | | |
| zone 1 | zone 2 | zone 3 |
| 20116 1 | 20116 2 | 20116 3 |
| 20 7 | 40 4 | F7 £ |

| Roof Slope: 6.12:12 to 12:12 | | | | | | | |
|------------------------------|---------------------|---------------------|--|--|--|--|--|
| zone 1 -29.7 psf | zone 2 -32.7 psf | zone 3 -50.9 psf | | | | | |
| 2 00 | 2 00 | 1.00 | | | | | |

120D

| | zone 1' | | zone 2 | |
|-----------|-----------|-----------|-----------|-----------|
| Thickness | -23.3 psf | -40.7 psf | -53.8 psf | -/3.5 psf |
| 0.032" | 2.00 | 1.50 | 1.00 | 0.50 |

| zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|
| -42.9 psf | -47.3 psf | -73.5 psf |
| 1.50 | 1.00 | 0.50 |

140D

| Thickness | | | zone 2 | |
|-----------|-----------|-----------|-----------|------------|
| THICKNESS | -01.0 psi | -00.0 psi | -10.4 psi | -100.2 psi |
| 0.032" | 2.00 | 1.00 | 0.50 | 0.50* |

| zone 1 | zone 2 | zone 3 |
|-----------|-----------|------------|
| -58.5 psf | -64.5 psf | -100.2 psf |
| 1.00 | 1.00 | 0.50* |

160D

| | zone 1' | zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|---------|----------|
| Thickness | -41.6 psf | -72.7 psf | -96 psf | -131 psf |
| 0.032" | 1.50 | 0.50 | 0.50* | 0.50* |

| zone 1 | zone 2 | zone 3 |
|-----------|------------|------------|
| -84.3 psf | -111.5 psf | -146.5 psf |
| 0.50 | 0.50* | 0.50* |

| zone 1 | zone 2 | zone 3 |
|-----------|-----------|----------|
| -76.6 psf | -84.3 psf | -131 psf |
| 0.50 | 0.50 | |

180D

| | | | zone 2 | |
|-----------|-----------|-----------|------------|------------|
| Thickness | -52.8 psf | -92.1 psf | -121.6 psf | -165.8 psf |
| 0.032" | 1.00 | 0.50 | 0.50* | 0.50* |

| zone 1 | zone 2 | zone 3 |
|---------|------------|------------|
| -97 psf | -106.8 psf | -165.8 psf |
| 0.50* | 0.50* | 0.50* |

200D

| | | | zone 2 | |
|-----------|-----------|------------|------------|------------|
| Thickness | -65.2 psf | -113.8 psf | -150.2 psf | -204.8 psf |
| 0.032" | 1.00 | 0.50* | 0.50* | 0.50* |

| zone 1 | zone 2 | zone 3 |
|----------|------------|------------|
| -132 psf | -174.5 psf | -229.1 psf |
| N.G. | N.G. | N.G. |

| zone 1 -119.8 psf | zone 2 | zone 3 -204.8 psf |
|----------------------|--------|----------------------|
| 0.50* | 0.50* | 0.50* |

220D

| | | zone 1 | | |
|-----------|---------|------------|------------|------------|
| Thickness | -79 psf | -137.7 psf | -181.8 psf | -247.9 psf |
| 0.032" | N.G. | N.G. | N.G. | N.G. |

| zone 1 | zone 2 | zone 3 |
|------------|------------|------------|
| -159.8 psf | -211.2 psf | -277.3 psf |
| N.G. | N.G. | N.G. |

| zone 1 | zone 2 | zone 3 |
|------------|------------|------------|
| -145.1 psf | -159.8 psf | -247.9 psf |
| N.G. | N.G. | N.G. |

240D

| Thickness | zone 1' -94.1 psf | | zone 2 -216.4 psf | |
|-----------|----------------------|------|----------------------|------|
| 0.032" | N.G. | N.G. | N.G. | N.G. |

| zone 1 | zone 2 | zone 3 |
|------------|------------|----------|
| -190.2 psf | -251.4 psf | -330 psf |
| N.G. | N.G. | |

| zone 1 | zone 2 | zone 3 |
|------------|------------|------------|
| -172.7 psf | -190.2 psf | -295.1 psf |
| N.G. | N.G. | N.G. |

Notes

 Allowable spacing is based on a Design Pressures listed in the FBC 2023 Approval, FL11560.3 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.

- 2. 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.
- * Indicates the Support Straps must be installed per the Approval.

