



16" Magna-Loc on 19/32" Plywood

Roof Fastener Spacing (feet)

Wind Speed (mph)
Exposure Category
110D

| Roof Slope: 0.5:12 to 1.47:12 | | | | |
|-------------------------------|-----------|-----------|-----------|-----------|
| | zone 1' | zone 1 | zone 2 | zone 3 |
| Thickness | -17.7 psf | -31.4 psf | -41.7 psf | -57.1 psf |
| 24 ga | 2.50 | 2.50 | 2.50 | 2.50 |

| Roof Slope: 1.48:12 to 6.11:12 | | | |
|--------------------------------|-----------|------------|-----------|
| | z 1,2e | z 2n,2r,3e | zone 3r |
| Thickness | -36.6 psf | -53.7 psf | -63.9 psf |
| 24 ga | 2.50 | 2.50 | 2.50 |

| Roof Slope: 6.12:12 to 12:12 | | | |
|------------------------------|-----------|-----------|-----------|
| | z 1,2e,2r | z 2n,3r | zone 3e |
| Thickness | -33.1 psf | -36.6 psf | -57.1 psf |
| 24 ga | 2.50 | 2.50 | 2.50 |

120D

| | zone 1' | zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|-----------|-----------|
| Thickness | -21.2 psf | -37.5 psf | -49.8 psf | -68.1 psf |
| 24 ga | 2.50 | 2.50 | 2.50 | 2.50 |

| | z 1,2e | z 2n,2r,3e | zone 3r |
|-----------|-----------|------------|-----------|
| Thickness | -43.6 psf | -64 psf | -76.2 psf |
| 24 ga | 2.50 | 2.50 | 2.50 |

| | z 1,2e,2r | z 2n,3r | zone 3e |
|-----------|-----------|-----------|-----------|
| Thickness | -39.6 psf | -43.6 psf | -68.1 psf |
| 24 ga | 2.50 | 2.50 | 2.50 |

130D

| | zone 1' | zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|-----------|---------|
| Thickness | -25.1 psf | -44.2 psf | -58.5 psf | -80 psf |
| 24 ga | 2.50 | 2.50 | 2.50 | 2.50 |

| | z 1,2e | z 2n,2r,3e | zone 3r |
|-----------|-----------|------------|-----------|
| Thickness | -51.3 psf | -75.2 psf | -89.6 psf |
| 24 ga | 2.50 | 2.50 | 2.50 |

| | z 1,2e,2r | z 2n,3r | zone 3e |
|-----------|-----------|-----------|---------|
| Thickness | -46.6 psf | -51.3 psf | -80 psf |
| 24 ga | 2.50 | 2.50 | 2.50 |

140D

| | zone 1' | zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|---------|-----------|
| Thickness | -29.2 psf | -51.4 psf | -68 psf | -92.9 psf |
| 24 ga | 2.50 | 2.50 | 2.50 | 2.50 |

| | z 1,2e | z 2n,2r,3e | zone 3r |
|-----------|-----------|------------|----------|
| Thickness | -59.7 psf | -87.4 psf | -104 psf |
| 24 ga | 2.50 | 2.50 | 1.00 |

| | z 1,2e,2r | z 2n,3r | zone 3e |
|-----------|-----------|-----------|-----------|
| Thickness | -54.1 psf | -59.7 psf | -92.9 psf |
| 24 ga | 2.50 | 2.50 | 2.50 |

150D

| | zone 1' | zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|-----------|------------|
| Thickness | -33.6 psf | -59.1 psf | -78.2 psf | -106.8 psf |
| 24 ga | 2.50 | 2.50 | 2.50 | 1.00 |

| | z 1,2e | z 2n,2r,3e | zone 3r |
|-----------|-----------|------------|------------|
| Thickness | -68.6 psf | -100.4 psf | -119.5 psf |
| 24 ga | 2.50 | 1.25 | 0.75 |

| | z 1,2e,2r | z 2n,3r | zone 3e |
|-----------|-----------|-----------|------------|
| Thickness | -62.2 psf | -68.6 psf | -106.8 psf |
| 24 ga | 2.50 | 2.50 | 1.00 |

160D

| | zone 1' | zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|---------|------------|
| Thickness | -38.3 psf | -67.3 psf | -89 psf | -121.6 psf |
| 24 ga | 2.50 | 2.50 | 2.50 | 0.50 |

| | z 1,2e | z 2n,2r,3e | zone 3r |
|-----------|-----------|------------|------------|
| Thickness | -78.2 psf | -114.4 psf | -136.1 psf |
| 24 ga | N.G. | N.G. | N.G. |

| | z 1,2e,2r | z 2n,3r | zone 3e |
|-----------|-----------|-----------|------------|
| Thickness | -70.9 psf | -78.2 psf | -121.6 psf |
| 24 ga | 2.50 | 2.50 | 0.50 |

170D

| | zone 1' | zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|------------|------------|
| Thickness | -43.4 psf | -76.1 psf | -100.6 psf | -137.4 psf |
| 24 ga | N.G. | N.G. | N.G. | N.G. |

| | z 1,2e | z 2n,2r,3e | zone 3r |
|-----------|-----------|------------|------------|
| Thickness | -88.3 psf | -129.2 psf | -153.7 psf |
| 24 ga | N.G. | N.G. | N.G. |

| | z 1,2e,2r | z 2n,3r | zone 3e |
|-----------|-----------|-----------|------------|
| Thickness | -80.2 psf | -88.3 psf | -137.4 psf |
| 24 ga | N.G. | N.G. | N.G. |

180D

| | zone 1' | zone 1 | zone 2 | zone 3 |
|-----------|-----------|-----------|------------|------------|
| Thickness | -48.7 psf | -85.4 psf | -112.9 psf | -154.1 psf |
| 24 ga | N.G. | N.G. | N.G. | N.G. |

| | z 1,2e | z 2n,2r,3e | zone 3r |
|-----------|-----------|------------|------------|
| Thickness | -99.1 psf | -144.9 psf | -172.4 psf |
| 24 ga | N.G. | N.G. | N.G. |

| | z 1,2e,2r | z 2n,3r | zone 3e |
|-----------|-----------|-----------|------------|
| Thickness | -90 psf | -99.1 psf | -154.1 psf |
| 24 ga | N.G. | N.G. | N.G. |

Notes:

1. Allowable spacing is based on a Design Pressures listed in the Miami-Dade NOA, 18-0919.01 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 20 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.

