

110 MPH**EXPOSURE: 'B'****HEIGHT: 30 ft (Mean)****WIND RESISTANCE ASSEMBLY**

Speed: **110 MPH.**
 Building Height: **30-FT.**
 Exposure: **'B'**

FIELD (1)
-16.6 PSF

EDGE (2)
-31.3 PSF

CORNER (3)
-47.8 PSF

Metro Roof Products
 3093 'A' Industry Street
 Oceanside CA 92054
 PH 760-435-9842
 www.smartroofs.com

Panels DIRECT to DECK

Metro Panels: Metro-SHINGLE™ only!

DESIGN CRITERIA:

The design criteria for uplift resistance pressures for a mean roof height as noted, is developed using ASCE 7.05. Minimum Design Wind Uplift Pressures in PSF for FIELD (P(1), EDGE (P(2), and CORNER (P(3) for Exposure 'B' Buildings with a Mean Roof Height as specified.

ROOF WIND ZONE: (1) 'FIELD' Uplift Req., = -16.6 PSF (UL TGIK R19204 Uplift Resistance -#1,-90.00 psf)

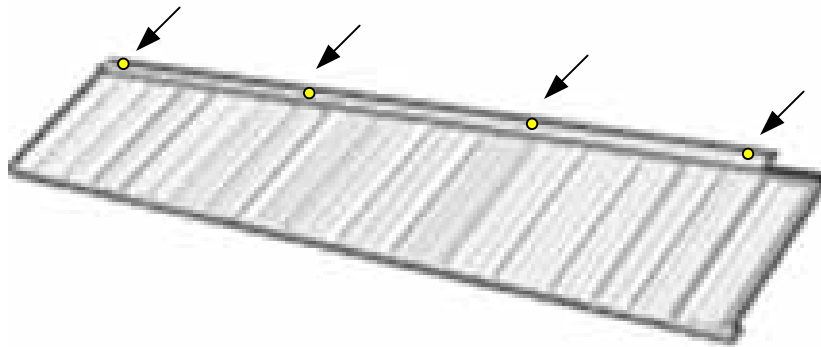
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|----------|---|
| DECKING | Min., 19/32" in. thick, Grade B-C APA rated Plywood or equal. Each course must have continual support across roof at the back-lip of each panel.. |
| BATTENS | N/A |
| * PANELS | Panels attached with Four (4) 8d (Penny) X 1-inch Ring-Shank Nails through the back fastening flange of each panel. |

ROOF WIND ZONE: (2) 'EDGE' Uplift Req., = -31.3 PSF (UL TGIK R19204 Uplift Resistance -#1,-90.00 psf)

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|----------|----------------------|
| DECKING | (See ZONE (1) above) |
| BATTENS | N/A |
| * PANELS | (See ZONE (1) above) |

ROOF WIND ZONE: (3) 'CORNER' Uplift Req., = -47.8 PSF (UL TGIK R19204 Uplift Resistance -#2,-145.00 psf)

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| DECKING | (See ZONE (1) above) |
| BATTENS | N/A |
| * PANELS | Panels attached with Six (6) #10 X 1-inch long screws through the back fastening flange of each panel. |



Arrows indicate fastener locations for Zones 1 & 2 – FIELD & EDGE
 See Zone-3 for fastening pattern - CORNER

(Metro provided fasteners may be used as follows for panel fastening:
 Screws - #10 X 2-inch long Hex Head Nails - .131" Dia X 2 inch long Ring Shank)

Roofs have designated ROOF WIND ZONES identified as FIELD (P(1), EDGE (P(2), or CORNER (P(3). ASCE 7.05 Uses 3-Sec gust calculation formulas.