

**100 MPH**

**EXPOSURE: 'B'**

**HEIGHT: 30 ft (Mean)**

**WIND RESISTANCE ASSEMBLY**

**Speed: 100 MPH.**  
**Building Height: 30-FT.**  
**Exposure: 'B'**

**FIELD (1)**  
**-13.7 PSF**

**EDGE (2)**  
**-25.8 PSF**

**CORNER (3)**  
**-39.5 PSF**

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**Panels DIRECT to DECK**

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., = -13.7 PSF** (UL TGIK R19204 Uplift Resistance -#3,-95.00 psf)

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 Five (5) 8d (Penny) X 1-3/4 inch Ring-Shank Nails through the front downturn nose of each panel.

**ROOF WIND ZONE: (2) 'EDGE' Uplift Req., = -25.8 PSF** (UL TGIK R19204 Uplift Resistance -#3,-95.00 psf)

DECKING | (See ZONE (1) above)

BATTENS | N/A

\* PANELS | (See ZONE (1) above)

**ROOF WIND ZONE: (3) 'CORNER' Uplift Req., = -39.5 PSF** (UL TGIK R19204 Uplift Resistance -#3,-95.00 psf)

DECKING | (See ZONE (1) above)

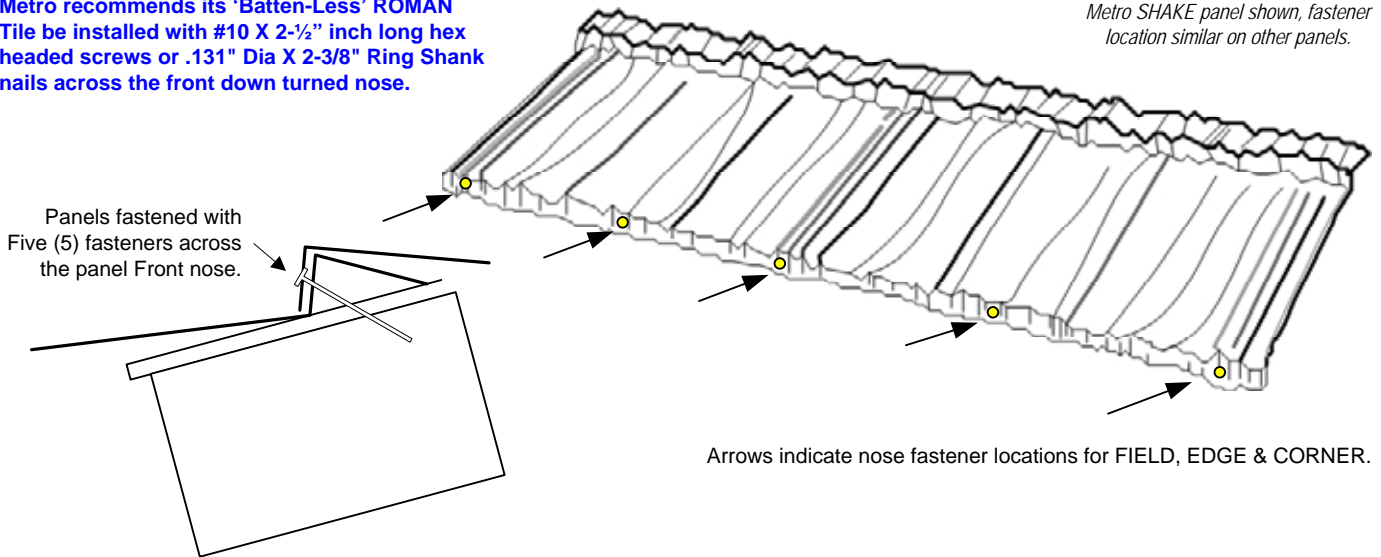
BATTENS | N/A

\* PANELS | (See ZONE (1) above)

**\* CAUTION** 

Metro recommends its 'Batten-Less' ROMAN Tile be installed with #10 X 2-1/2" inch long hex headed screws or .131" Dia X 2-3/8" Ring Shank nails across the front down turned nose.

Metro SHAKE panel shown, fastener location similar on other panels.



Arrows indicate nose fastener locations for FIELD, EDGE & 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.