100 MPH EXPOSURE: 'B' HEIGHT: 30 ft (Mean)

WIND RESISTANCE ASSEMBLY

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

FIELD (1)	EDGE (2)	CORNER (3)
-13.7 PSF	-25.8 PSF	-39.5 PSF

Panels DIRECT to DECK

Metro Roof Products
3093 'A' Industry Street
Oceanside CA 92054
PH 760-435-9842
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DESIGN CRITERIA:

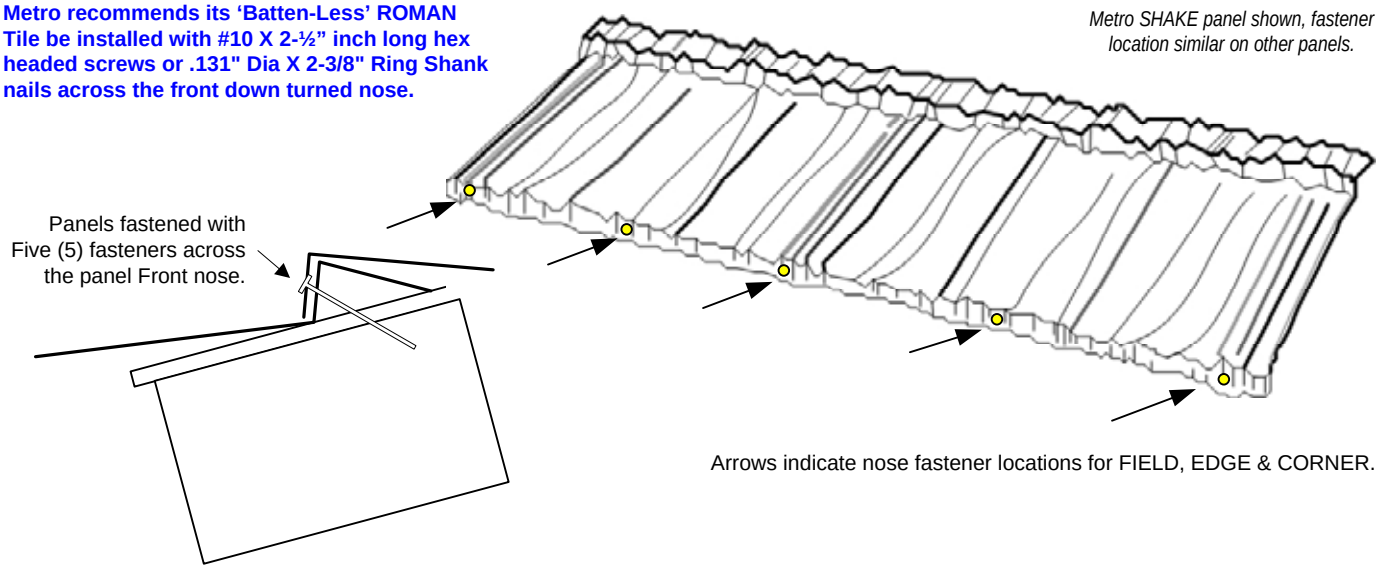
The design criteria for uplift resistance pressures for a mean roof height as noted, is developed using ASCE 7.05. Minimum Design Wind Uplift Pressures in PSF for FIELD (P(1), EDGE (P(2), and CORNER (P(3) fopr Exposure 'B' Buildings with a Mean Roof Height as specified.

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 1-¾ 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 2-½" 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.