

90 MPH**EXPOSURE: 'C'****HEIGHT: 30 ft (Mean)****WIND RESISTANCE ASSEMBLY**

Speed: 90 MPH.
Building Height: 30-FT.
Exposure: 'C'

FIELD (1)
-17.6 PSF

EDGE (2)
-33.2 PSF

CORNER (3)
-50.7 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., = -17.6 PSF (UL TGIK R19204 Uplift Resistance -#1,-90.00 psf)

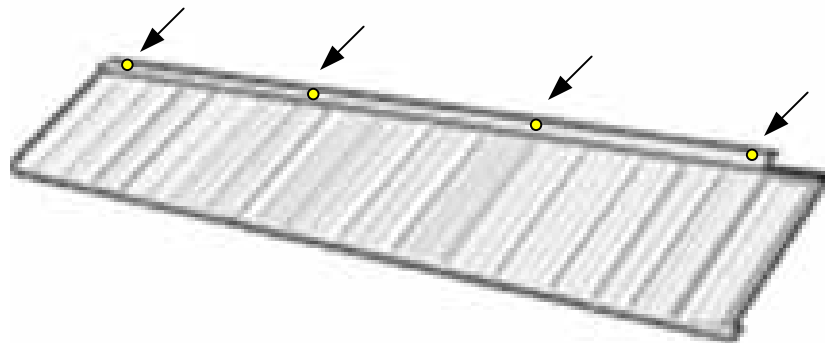
DECKING	Min., 19/32" in. thick, Grade B-C APA rated Plywood or equal. Each course must have continual support across roof at the back-lip of each panel..
BATTENS	N/A
* PANELS	Panels attached with a minimum of Four (4) 8d (1-inch long) Ring Shank nails through the back fastening flange of each panel.

ROOF WIND ZONE: (2) 'EDGE' Uplift Req., = -33.2 PSF (UL TGIK R19204 Uplift Resistance -#1,-90.00 psf)

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

ROOF WIND ZONE: (3) 'CORNER' Uplift Req., = -50.7 PSF (UL TGIK R19204 Uplift Resistance -#2,-145.00 psf)

DECKING	(See ZONE (1) above)
BATTENS	N/A
* PANELS	Panels attached with a minimum of 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 above 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.