



SMARTBrief

TECHNICAL BULLETIN

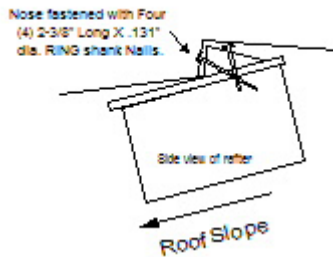
DATE: Friday, September 17, 2004 **No:** SB-040922
TO: Contractors & Distributors **Page** 1 of 1
FROM: Metro Technical Services Division
SUBJECT: **Metro Batten-Less Fastener Alternatives for Shake-II or Tile-II**

General Information

Metro stone-coated steel Shake-II & soon to be released Tile-II Batten-Less panels are designed to be installed using a minimum of four (4) pneumatically driven fasteners (2-3/8" X .131" RING Shank stick nails), across the back flange and nose of each panel. This nailing pattern in cross-section view creates an 'X' configuration and provides the uplift strength proven in dynamic testing at Underwriters laboratories (UL).

'X' Pattern of Fasteners for Metro Batten-Less Panels

Image at left shows the 2-3/8" X .131" 'X' nail pattern.



Alternative Fasteners for the Metro Batten-Less systems

An alternate to the double 'X' nailing pattern used with Metro Batten-Less panels is listed below:

- 1- Fasten the 'back flange' of each panel with a minimum of four (4), 1-1/2" long X No. 8 HH screws.
- 2- The 'nose' of each panel can then be 'Stitched' to the 'back vertical up-stand' of the panel beneath using four (4), 3/4" long X No. 8 HH screws located as shown on the Metro installation detail sheets.

(ALL exposed fasteners shall meet a minimum 1,000hr Salt Spray Corrosion Resistance test)

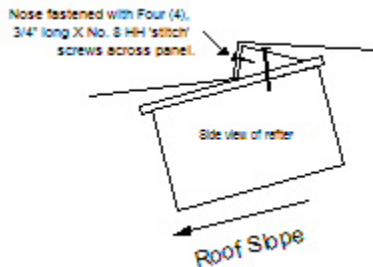


Image at left shows 3/4" 'Nose' Stitch screw system

For high wind areas greater than 80mph, Exposure 'B' Building Heights not exceeding 30ft. additional fasteners may be required. For high wind details contact Metro or down load the fastener specifications and location on each panel form www.smartroofs.com

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