

**EVALUATION REPORT OF
METAL SALES MANUFACTURING CORPORATION
'26 GA. PBR-PANEL OR R-PANEL'**

**FLORIDA PRODUCT APPROVAL
FL 14645.11-R1
ROOFING
METAL ROOFING**

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**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)
Load Span Table (1 Page)**

**Report No. C1800-36
Date: 12.9.11**



Manufacturer: Metal Sales Manufacturing Corporation

Product Name: PBR-Panel or R-Panel

Panel Description: 36" wide coverage with (4) 1-1/4" high ribs

Materials: Min. 26 ga., 80 ksi steel or min. 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755).

Deck Description: Min. 15/32" thick plywood for new and existing constructions. Designed and installed as per FBC 2010.

Deck Attachment: 8d x 2.5" long ring shank nails or #8 x 2" long wood screws @ 6" o.c. in the plywood field and at edges

Underlayment: Minimum underlayment as per FBC 2010 Section 1507.4.5

Slope: 1/2:12 or greater in accordance with FBC 2010 Section 1507.4.2 and 1504.6

Design Uplift Pressure: 30.0 psf @ fastener spacing of 48" o.c.
(Factor of Safety = 2) 131.0 psf @ fastener spacing of 6" o.c.

Panel Attachment:
Type: #9-16 or #10-14 hex head wood screws with sealed washer. Fastener shall be of sufficient length to penetrate through the deck a minimum of 3/8".
At panel ends @ 7"-5"-7" o.c. across panel width
At intermediate @ 12" o.c. across panel width

Sidelap Attachment: 1/4"-14 x 7/8" long SDS @ 12" o.c.

Test Standards: Roof assembly tested in accordance with UL580-94 (Rev 98) 'Uplift Resistance of Roof Assemblies' & UL1897-98 'Uplift Tests for Roof Covering Systems'.

Code Compliance: The product described herein has demonstrated compliance with FBC 2010 Section 1507.4

Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2010 Section 1609 or ASCE 7-10 using allowable stress design. The maximum support spacing listed herein shall not be exceeded. The design pressure for reduced fastener spacing may be computed using rational analysis prepared by a Florida Professional Engineer or based on Metal Sales load span table. This evaluation

report is not applicable in High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2010 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: UL 580 & UL 1897 Test Report
Farabaugh Engineering and Testing Inc
Project No. T285-08, Reporting Date 11/17/08, Revised Date 12/3/08