

**EVALUATION REPORT OF
METAL SALES MANUFACTURING CORPORATION
'29 GA. CLASSIC RIB PANEL'**

**FLORIDA PRODUCT APPROVAL
FL 14645.8-R1
ROOFING
METAL ROOFING**

**Prepared For:
Metal Sales Manufacturing Corporation
545 South 3rd Street, Suite 200
Louisville, KY 40202
Telephone: (502) 855-4300
Fax: (502) 855-4290**

**Prepared By:
Bala Sockalingam, Ph.D., P.E.
Florida Professional Engineer #62240
1216 N Lansing Ave., Suite C
Tulsa, OK 74106
Telephone: (918) 492-5992
FAX: (866) 366-1543**

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

**Report No. C1800-33
Date: 12.9.11**



Manufacturer: Metal Sales Manufacturing Corporation

Product Name: Classic Rib

Panel Description: 36" wide coverage with (5) 3/4" high ribs

Materials: Min. 29 ga., 80 ksi steel or min. 26 ga., 50 ksi steel Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755).

Deck Description: Min. 7/16" thick OSB 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 edges

New Underlayment: Minimum underlayment as per FBC 2010 Section 1507.4.5. Required for new construction and optional for reroofing construction.

Existing Underlayment: (Optional) One layer of asphalt shingles over one layer of #30 felt. For reroofing construction only.

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

Design Uplift Pressure: (Factor of Safety = 2) 45.0 psf @ fastener spacing of 24" o.c.
135.0 psf @ fastener spacing of 6" o.c.

Fastener Pattern:
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 @ 5.5"-3.5"-5.5" o.c. across panel width
At intermediate @ 9" o.c. across panel width with two fasteners at each sidelap.

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' and FM 4470 Section 5.5 'Resistance to Foot Traffic'.

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 fastener spacing listed herein shall not be exceeded. 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: UL580/UL1897 Test Reports
PRI Construction Materials Technologies
MSMC-009-02-01.02, Reporting Date 1/20/11, Revised Date 1/21/11

FM 4470 Test Report
ENCON Technology Inc.
C1587-2, Reporting Date 5/17/08