



C-BUCK Engineering

Specialty Structural Engineering

Certificate of Authorization # 8064

Evaluation Report

of

J. Mila Enterprises, Inc. – J.M. Metals

“JM Rib”

Metal Roof Assembly

for

Florida Product Approval

FL 5286.3

Florida Building Code 2004

Method: 1 - D

Category: Roofing

Sub - Category: Non – Structural Metal Roofing

Product: JM Rib Panel

Material: Steel

Panel Thickness: 29 Gauge Minimum

Net Panel Width: 36” Maximum (Net Coverage)

Support Type: Wood Deck

Prepared for:

J. Mila Enterprises, Inc. – J.M. Metals

1505 Cox Road

Cocoa, FL 32926

Prepared by:

James L. Buckner, P.E.

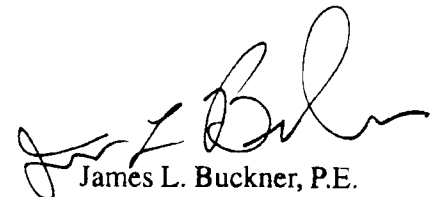
Florida Professional Engineer # 31242

Florida Evaluation ANE ID: 1916

Engineer Assistant: Gil Samson

Report No. 05-259-JMR-36-S9W

Date: 9 / 6 / 05



James L. Buckner, P.E.

Florida P.E. #31242

9/8/05

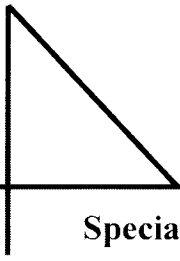
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Manufacturer: J. Mila Enterprises, Inc. – J.M. Metals

Product Name: JM Rib

Panel Type: Steel, minimum 29 Gauge, minimum yield strength 80 ksi

Panel Material Standards: Material shall comply with Table 1507.4.3

Panel Width(s): 36” Maximum (Net Coverage Width)

Support Type: Wood Deck
(Design of support system is not included in this evaluation)

Support Description: Plywood – 15/32” or greater, or wood plank, per Section 2308.10.8

Slope Range: 3 : 12 or greater

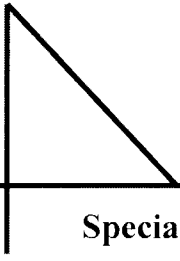
Design Uplift Pressure: 69.25 psf (Safety Factor of 2:1)

Attachment To Supports: Panels shall be through-fastened to the deck with 1/4” x minimum penetration through deck 3/16”, hex-washer head, self-tapping, corrosion resistant, wood screws, per ANSI/ASME B18.6.4.

Underlayment: Minimum underlayment shall be per Section 1507.4.5

Fire Classification: Fire Classification is outside the scope of Rule 9B-72, and is therefore not included in this evaluation. Additional approved substrates may be added for Fire Classification purposes.

Installation: Install the “JM Rib Panel” to the deck with fasteners spaced 3” from all ends and maximum 24” o.c. thereafter, along the length of the panel. Within rows, fasteners shall be spaced maximum 9” o.c., beginning 1-3/4” from the center line on one side of each major corrugation, across the width of the panel. Panel ribs shall be stitched together maximum 12” o.c., along the length of the rib. Install system in compliance with the attached installation method.



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Performance Standards: Roof assembly tested in accordance with **UL580-94, Rev. 1998** Uplift Resistance Standards.

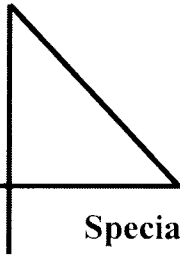
Code Compliance: The product described herein has demonstrated compliance with the **Florida Building Code 2004, Section 1507.4.**

Evaluation Report Scope: This product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code, as related to Rule 9B-72.

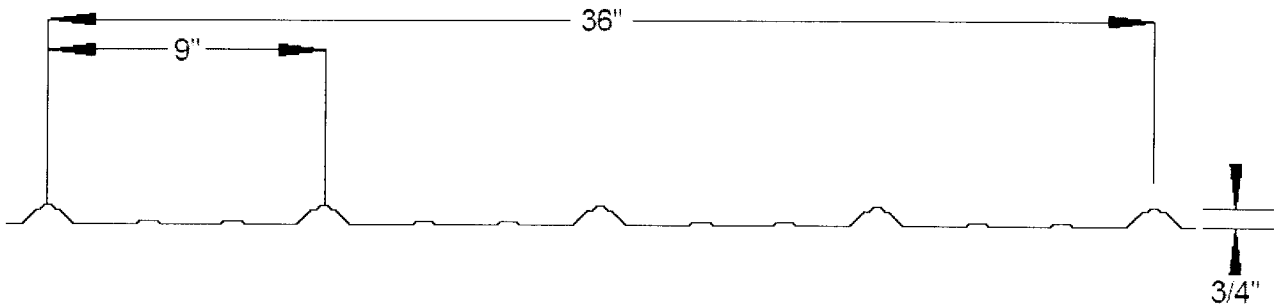
System Limitations: The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone.

Referenced Data:

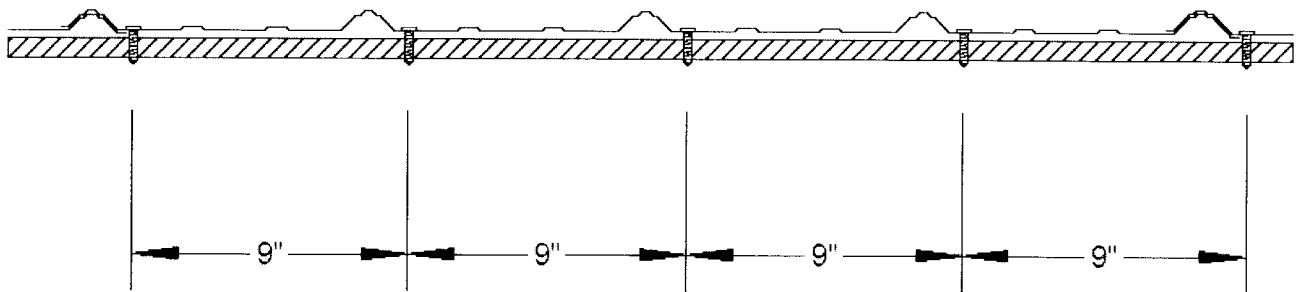
1. Certification of Independence
2. Quality Assurance
Underwriters Laboratories, Inc.- Q.A. Entity System ID: 1743
3. UL 580 Test
Hurricane Test Laboratory, LLC
Report #0223-0704-05, Date: 8/18/05



Installation Method
J. Mila Enterprises, Inc. – J.M. Metals
“JM Rib” Panel Attached to Wood Deck



Panel Profile



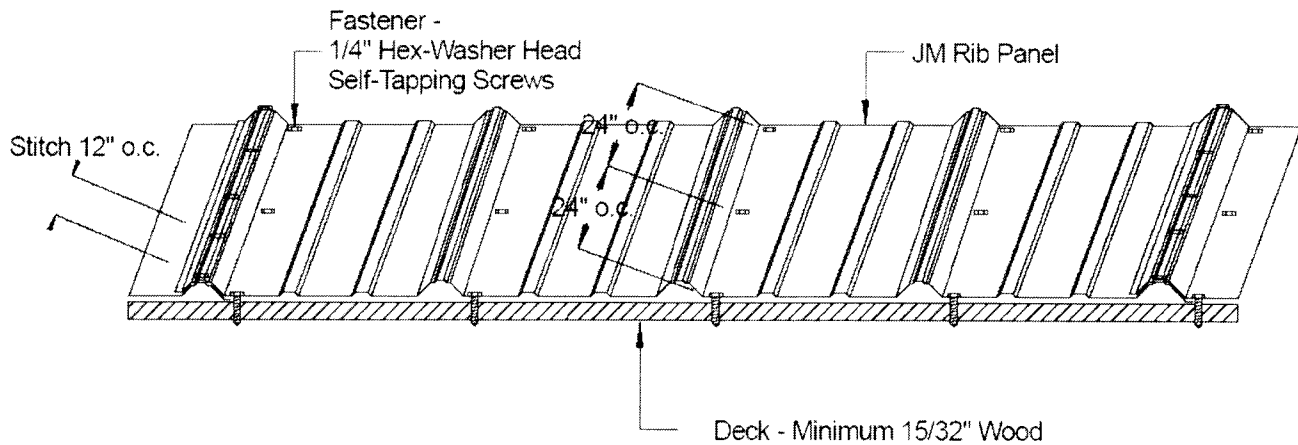
Fastener Spacing Across Width

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Installation Method (Continued) J. Mila Enterprises, Inc. – J.M. Metals “JM Rib” Panel Attached to Wood Deck



Assembly Isometric View