

FLORIDA PRODUCT APPROVAL - PRODUCT SPECIFICATIONS LIST

PROJECT NAME: JONES SHED	PERMIT NO.: 55364	DATE: 6/24/21
PROJECT ADDRESS: 3398 SW CUSTOM MADE CIR LAKE CITY	CONTRACTOR NAME: WINDYS ENTERPRISES / KENT BOWERS	

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at: www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description (Model/Type/Size)	Product Approval No.
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single Hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	MID R METAL	29ga MK PANEL	31397.1
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain Walls			
6. Wall Louver			
7. Glass Block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayment			
3. Roofing Fasteners			
4. Non-Structural Metal Roof	MID R METAL	29ga MULT-RIB STRUCTURE	25490.1
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing System			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood Shingles/Shakes			

Category/Subcategory	Manufacturer	Product Description (Model/Type/Size)	Product Approval No.
12. Roofing Slate			
13. Liquid Applied Roof System			
14. Cements/Adhesives/Coatings			
15. Roof Tile Adhesive			
16. Spray Polyurethane			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-Up			
6. Equipment			
7. Other			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood Connector/Anchor			
2. Truss Plates			
3. Engineered Lumber			
4. Railing			
5. Coolers/Freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS (Describe Below)			
1.			
2.			
3.			
4.			

The products listed above in Section H and described below did not demonstrate product approval at time of plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. I understand these products may have to be removed if approval cannot be demonstrated during inspection.

ACKNOWLEDGEMENT: By signature below the Owner/Builder, Contractor or Contractor's Authorized Agent does hereby acknowledge that they have read and understand the information contained herein.

Signature

(Owner/Builder, Contractor or Contractor's Authorized Agent)

Print Name

Date



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE
SECRETARY

FL #

FL23490-R2

Application Type

Revision

Code Version

2020

Application Status

Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments

Archived



Product Manufacturer

Mid Florida Metal Roofing Supply/Supplies, Inc.

Address/Phone/Email

28328 County Road 561
Tavares, FL 32778
(352) 742-7070
amyprince@mfmrs.com

Authorized Signature

Amy Prince
amyprince@mfmrs.com

Technical Representative

Address/Phone/Email

Quality Assurance Representative

Address/Phone/Email

Category

Structural Components

Subcategory

Roof Deck

Compliance Method

Certification Mark or Listing

Certification Agency

Keystone Certifications, Inc.

Validated By

Keystone Certifications, Inc.

Referenced Standard and Year (of Standard)

Standard
ASTM E1592

Year
2012

Equivalence of Product Standards
Certified By

Product Approval Method

Method 1 Option A

Date Submitted

09/03/2020

Date Validated

09/09/2020

Date Pending FBC Approval

Date Approved

09/16/2020

Summary of Products

FL #	Model, Number or Name	Description
23490.1	Multi-Rib Structural	29 Ga. Through-Fastened Structural Roof Panels Over Minimum 2x4 Purlins
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-105.0 Other:		Certification Agency Certificate FL23490_R2_C_CAC_11027-003-Rev4CertificationReport.pdf Quality Assurance Contract Expiration Date 09/02/2025 Installation Instructions FL23490_R2_II_11027-003-Rev2CertificationReport.pdf Verified By: Keystone Certifications, Inc. Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:

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[Contact Us](#) :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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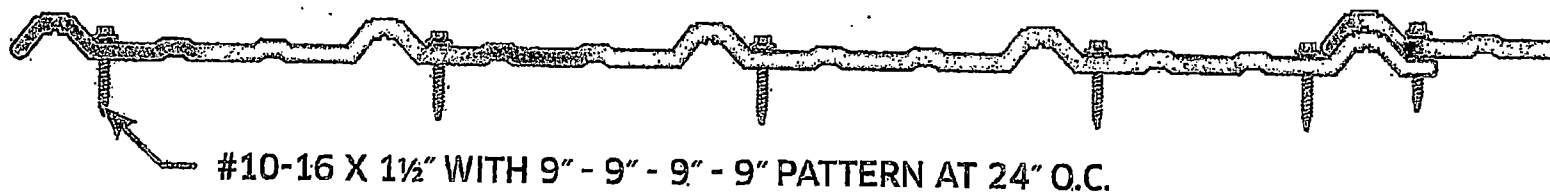
Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:

Credit Card
Safe

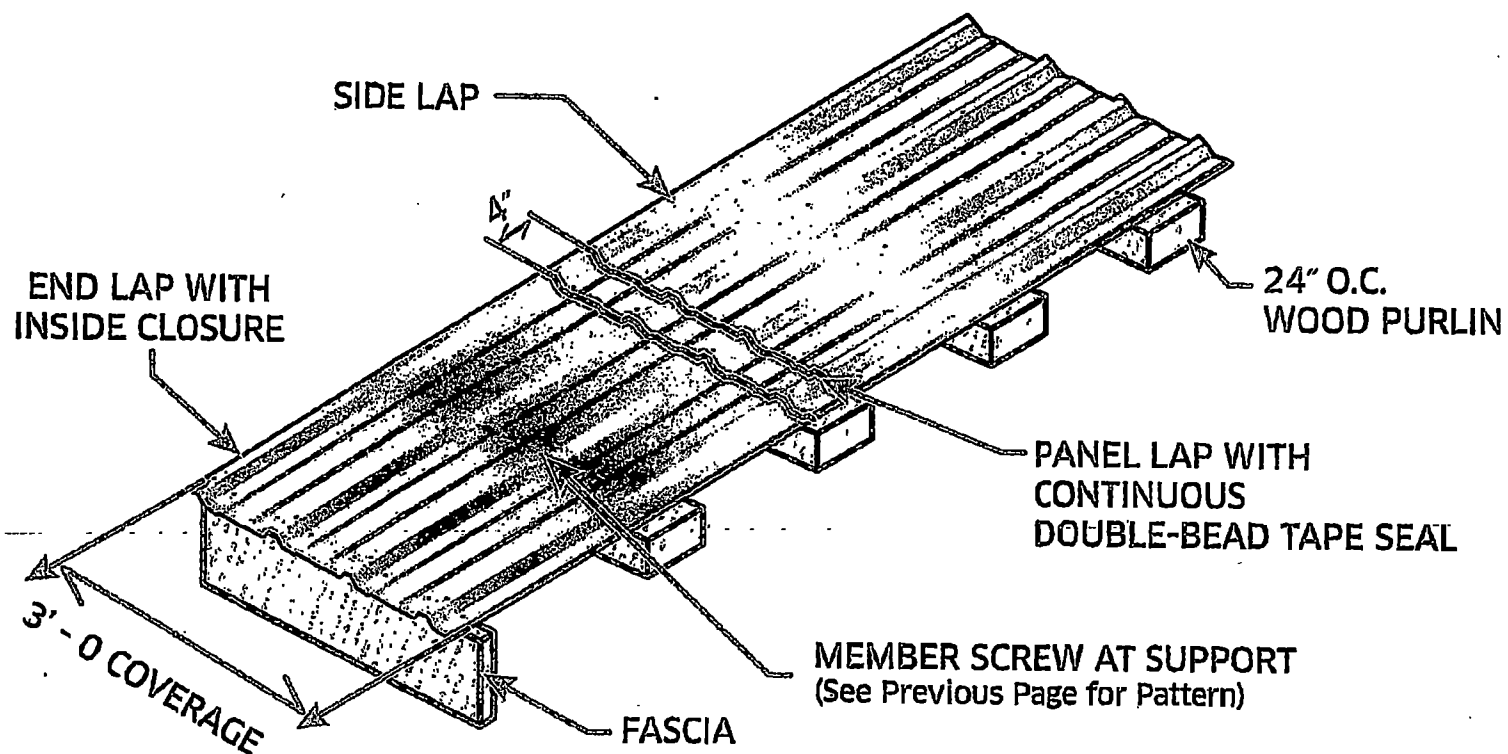
SECURITYMETRICS

Multi-Rib Panel Open Frame Fastener Standard Pattern



Fax 352-742-7075 • www.mfmrs.com • 28328 County Road 561, Tavares, Florida 32778 • 352-742-7070 • Toll Free: 866-479-8080

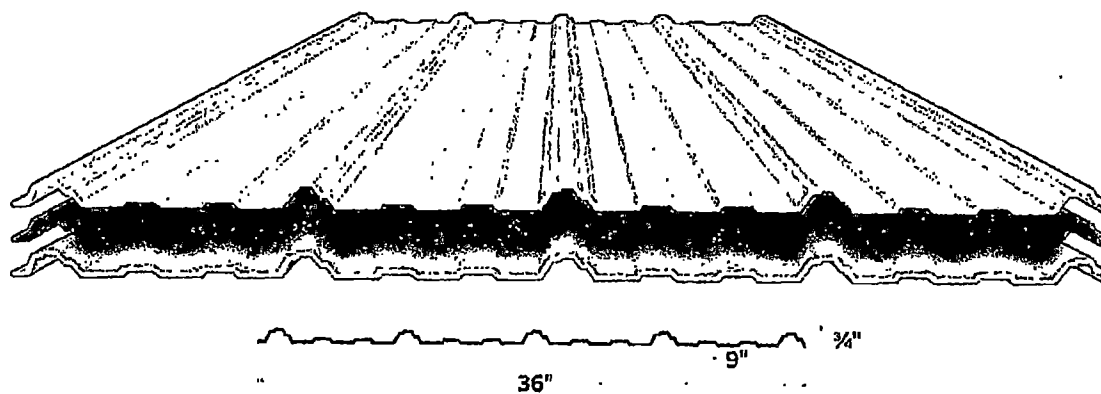
Multi-Rib Panel Detail Over Open Framing

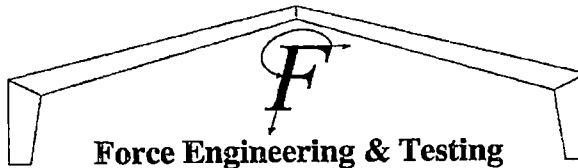


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Multi-Rib

Over Minimum 2x4 Open Framing Installation Instructions





Force Engineering & Testing

19530 Ramblewood Drive

Humble, Texas 77338

Phone: (281) 540-6603 FAX: (281) 540-9966

Website: www.forceengineeringtesting.com

Product Evaluation Report
Mid Florida Metal Roofing Supply, Inc.

29ga MFMRS Multi-Rib Wall Panel Over 2x4 Wood Girts

Florida Product Approval # 31397.1 R1

Florida Building Code 2020

Per Rule 61G20-3

Method: 2 -B

Category: Structural Components

Subcategory: Structural Wall

Compliance Method: 61G20-3.005(2)(b)

NON HVHZ

Product Manufacturer:

Mid Florida Metal Roofing Supply, Inc.

28328 County Road 561

Tavares, Florida 32778

(352) 742-7070

Engineer Evaluator:

Johnathan Green, P.E. #88223

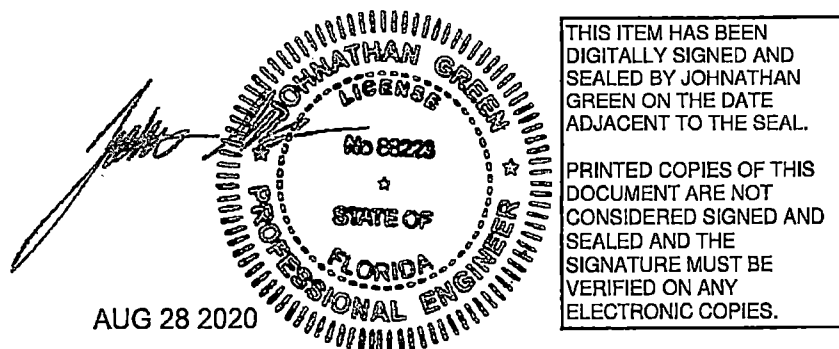
Florida Evaluation ANE ID: 12901

Validator:

Brian Jaks, P.E. #70159

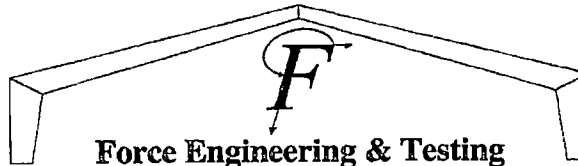
Contents:

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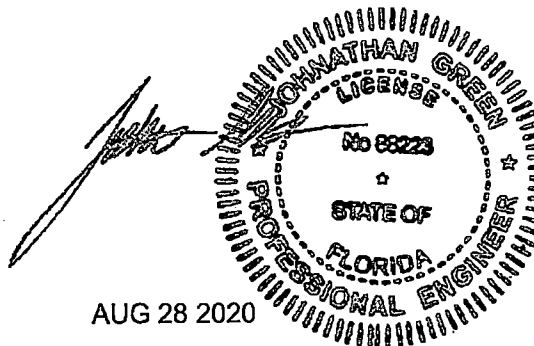
Website: www.forceengineeringtesting.com

- Compliance Statement:** The product as described in this report has demonstrated compliance with the Florida Building Code 2020, Section 1709.2.
- Product Description:** MFMRS Multi-Rib Panel, Min. 29 Ga. Steel, 36" Wide, through fastened wall panel. Structural Application.
- Panel Material/Standards:** Material: Min. 29ga Steel, ASTM A792 AZ50 Grade 80 conforming to Florida Building Code 2020 Section 1507.4.3. Paint finish optional.
Yield Strength: Min. 80.0 ksi – 29ga
Corrosion Resistance: Panel Material shall comply with Florida Building Code 2020, Section 1507.4.3
- Panel Dimension(s):** Thickness: 0.0125" min.
Width: 36" coverage
Rib Height: 3/4" major rib at 9" O.C.
- Panel Fastener:** #12-8 x 1" HWH Woodgrip™ XG screws with sealing washing or approved equal at 9"-9"-9"-7.5"-3" fastener pattern. Panel side laps fastened together w/ 1/4-14 x 7/8" HWH SD w/ sealer washer at 12" O.C.
Corrosion Resistance: Per Florida Building Code 2020.
- Substrate Description:** Minimum #2 SYP 2x4 wood girts spaced a maximum 24" o.c. Framing must be designed in accordance w/ Florida Building Code 2020.
- Allowable Design Pressures:**

Table "A"

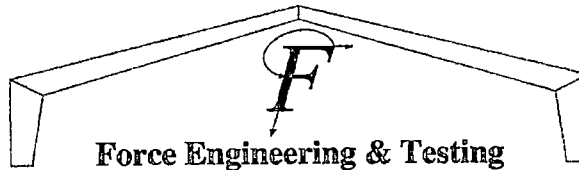
Maximum Design Pressure:	-140.0 psf
Fastener Pattern:	9"-9"-9"-7.5"-3"
Fastener Spacing:	2'-0" O.C.

*Design Pressure includes a Safety Factor = 1.5.



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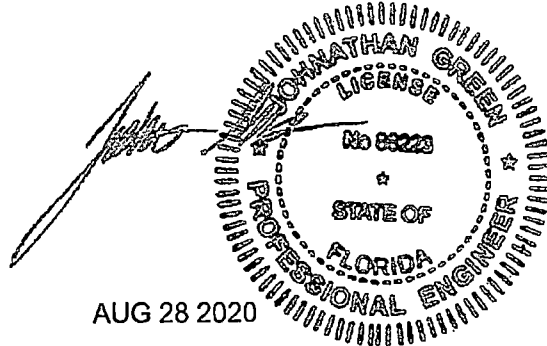
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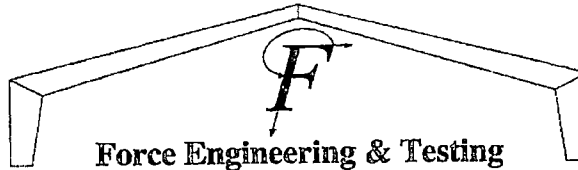
Website: www.forceengineeringtesting.com

Code Compliance:	The product described herein has demonstrated compliance with The Florida Building Code 2020, Section 1709.2.
Evaluation Report Scope:	The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2020, as relates to Rule 61G20-3.
Performance Standards:	<p>The product described herein has demonstrated compliance with:</p> <ul style="list-style-type: none">ASTM E 1592-05 (2012) Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference.
Reference Data:	<ol style="list-style-type: none">ASTM E 1592-01 PRI Construction Materials Technologies Report No. FAE-008-02-01, Dated 06/18/2012Certificate of Independence By Johnathan Green, P.E. (No. 88223) @ Force Engineering & Testing (FBC Organization # ANE ID: 12901)
Test Standard Equivalency:	The ASTM E 1592-01 test standard is equivalent to the ASTM E 1592-05 (2012) test standard.
Quality Assurance Entity:	The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.
Installation:	Install per manufacturer's recommended details.
Shear Diaphragm:	Shear diaphragm values are outside the scope of this report.
Design Procedure:	Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2020 for wall cladding wind loads. These component wind loads for wall cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with Florida Building Code 2020 Chapter 22 for steel, and Chapter 16 for structural loading.



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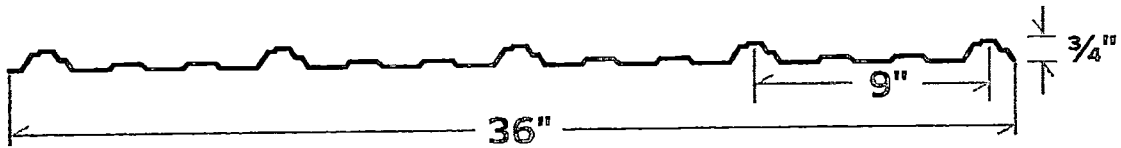
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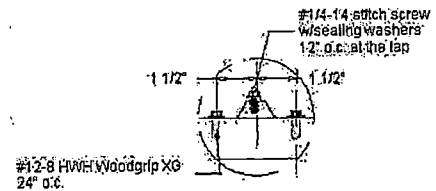
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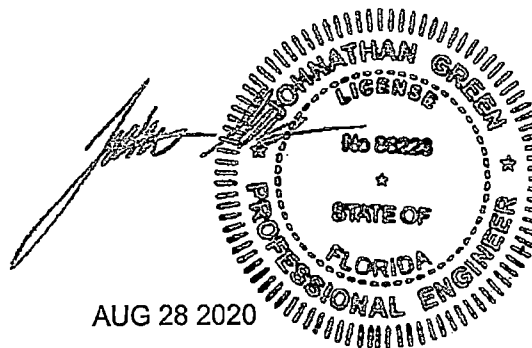
1/4-14 X 7/8" HWH SD WITH SELF-SEALING WASHER



#12-8 X 1" HWH WOODGRIP XG WITH SELF-SEALING WASHER



Fastener Locations at Panel Overlap



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