

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	MID FL METAL	29ga MR WALL PANEL	31397.1
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL	MID FL METAL	29ga MR STRUCTURAL	23490.1
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at 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) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

 8/6/24
Contractor or Owner Signature

NOTES: _____



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Product Approval
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FL #	FL31397-R2
Application Type	Revision
Code Version	2023
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	Mid Florida Metal Roofing Supply/Supplies, Inc.
Address/Phone/Email	28328 County Road 561 Tavares, FL 32778 (352) 742-7070 amyprince@mfmr.com
Authorized Signature	Amy Prince amyprince@mfmr.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	
Category	Structural Components
Subcategory	Structural Wall
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Johnathan E. Green, P.E.
Florida License	PE-88223
Quality Assurance Entity	Keystone Certifications, Inc.
Quality Assurance Contract Expiration Date	02/10/2026
Validated By	Steven M. Ulrich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received
Certificate of Independence	FL31397_R2_COI_Letter_of_Certification.pdf
Referenced Standard and Year (of Standard)	
Equivalence of Product Standards Certified By	
Sections from the Code	1709.2
Product Approval Method	Method 2 Option B

Date Submitted	09/10/2023
Date Validated	09/13/2023
Date Pending FBC Approval	09/17/2023
Date Approved	12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
31397.1	29 Ga. MFMRS Multi-Rib Wall Panel over 2x4 Wood Girts	29 Ga. MFMRS Multi-Rib Wall Panel over 2x4 Wood Girts
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-105psf Other: See evaluation report for limits of use.		Installation Instructions FL31397_R2_IL_29 Ga. MFMRS Multi-Rib Wall Panel.pdf Verified By: Johnathan E. Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL31397_R2_AE_29 Ga. MFMRS Multi-Rib Wall Panel.pdf Created by Independent Third Party: Yes

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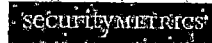
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Product Approval Accepts:

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www.mfmrs.com • 28328 County Road 561, Tavares, Florida 32778

Product Evaluation Report
MID FLORIDA METAL ROOFING SUPPLY, INC.

Minimum 29 Ga. MFMRS Multi-Rib Wall Panel Over 2x4 Wood Girts

Florida Product Approval # 31397.1 R2

Florida Building Code 2023

Per Rule 61G20-3

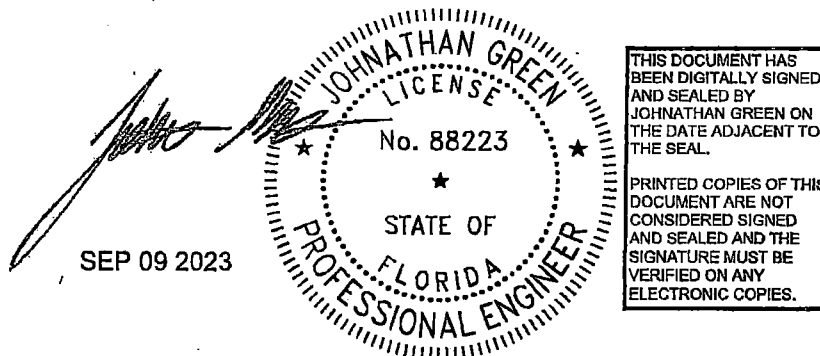
Method: 2-B

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

Engineer Evaluator:
Johnathan Green, P.E. #88223
Florida Evaluation ANE ID: 12901

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- Compliance Statement:** The product as described in this report has demonstrated compliance with the Florida Building Code 2023, 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: Minimum 29 Ga. Steel, ASTM A792 or ASTM A653 G90 conforming to Florida Building Code 2023.
Yield Strength: Min. 80.0 ksi.
Corrosion Resistance: Panel Material shall comply with Florida Building Code 2023.
- Panel Dimension(s):** Thickness: 0.0145" min.
Width: 36" maximum coverage
Rib Height: 3/4" major rib at 9" O.C.
- Panel Fastener:** #12 x 1 1/2" WoodZac or WoodZip w/ sealing washer or approved equal.
1/4"-14 x 7/8" HWH SD1 w/ EPDM washer through panel side laps at 12" O.C.
Corrosion Resistance: Per Florida Building Code 2023.
- Substrate Description:** Minimum #2 SYP 2x4 wood girts spaced a maximum 24" O.C. Framing must be designed in accordance w/ Florida Building Code 2023.

Allowable Design Pressures:

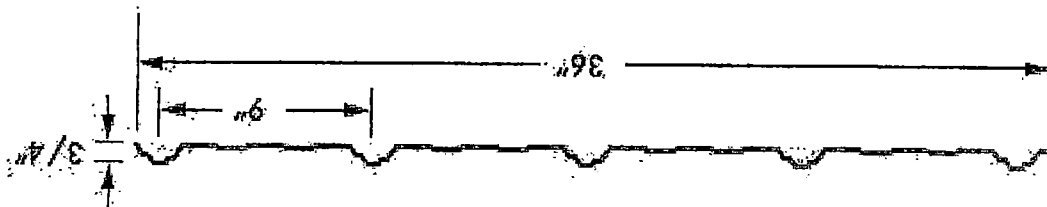
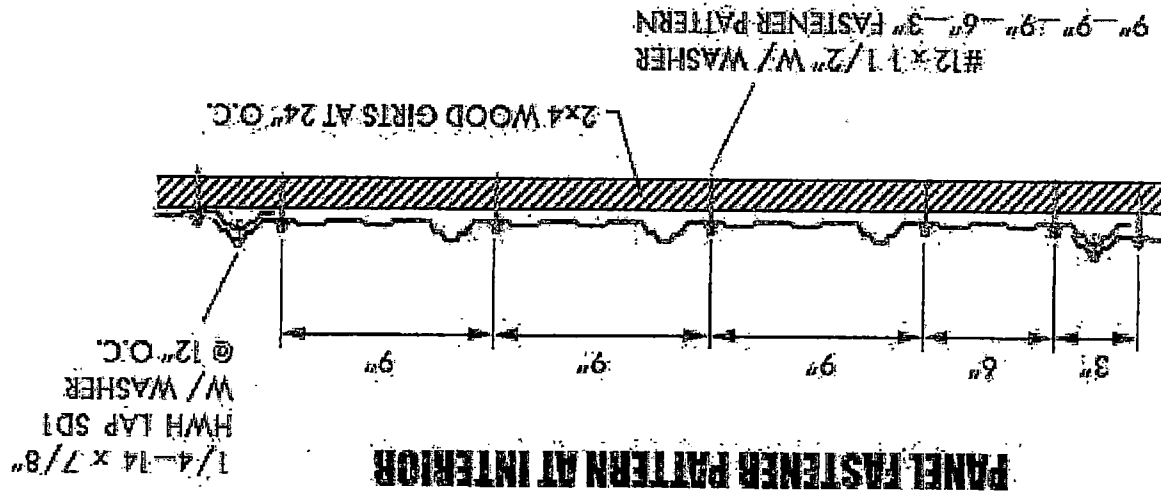
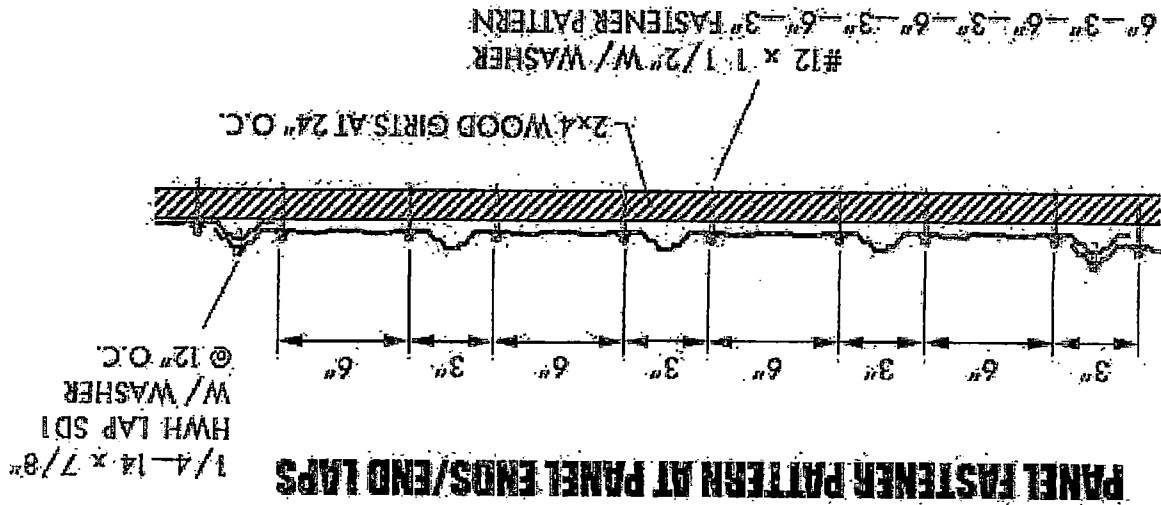
Table "A"	
Maximum Design Pressure:	-105.0 psf
Fastener Pattern:	9"-9"-9"-6"-3"
Fastener Spacing:	24" O.C.

*Design Pressure Includes a Safety Factor = 1.5.



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Code Compliance:	The product described herein has demonstrated compliance with The Florida Building Code 2023, Section 1709.2.
Evaluation Report Scope:	The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2023, 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 (2017) 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">1. ASTM E 1592-01 PRI Construction Materials Technologies Report No. FAE-008-02-012. Certificate 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 (2017) 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 manufacturers 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 2023 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 2023 Chapter 22 for steel, and Chapter 16 for structural loading.





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Product Approval
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FL #	FL23490-R4						
Application Type	Revision						
Code Version	2023						
Application Status	Approved						
Comments							
Archived	<input type="checkbox"/>						
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	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received						
Florida Engineer or Architect Name who developed the Evaluation Report	Johnathan E. Green, P.E.						
Florida License	PE-88223						
Quality Assurance Entity	Keystone Certifications, Inc.						
Quality Assurance Contract Expiration Date	02/10/2026						
Validated By	Steven M. Urlich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received						
Certificate of Independence	FL23490_R4_COI_Letter of Certification.pdf						
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ASTM E1592</td> <td>2005</td> </tr> <tr> <td>FM 4471</td> <td>1992</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	ASTM E1592	2005	FM 4471	1992
<u>Standard</u>	<u>Year</u>						
ASTM E1592	2005						
FM 4471	1992						
Equivalence of Product Standards Certified By							
Sections from the Code							

Product Approval Method

Method 1 Option D

Date Submitted 09/10/2023
 Date Validated 09/13/2023
 Date Pending FBC Approval 09/17/2023
 Date Approved 12/13/2023

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/-105.0psf Other:		Installation Instructions FL23490 R4 II 29 Ga. MFMRS Multi-Rib Structural Roof.pdf Verified By: Johnathan E. Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL23490 R4 AE 29 Ga. MFMRS Multi-Rib Structural Roof.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:





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Product Evaluation Report
MID FLORIDA METAL ROOFING SUPPLY, INC.

Minimum 29 Ga. MFMRS Multi-Rib Roof Panel over 2x4 Wood Purlins

Florida Product Approval # 23490.1 R4

Florida Building Code 2023

Per Rule 61G20-3

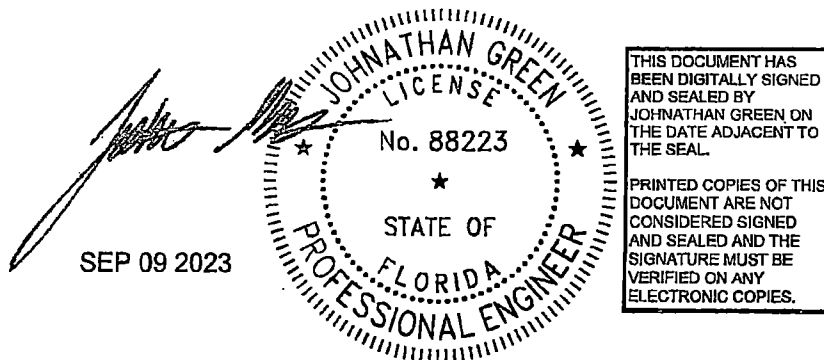
Method: 1 -D

Category: Structural Components
Subcategory: Roof Deck
Compliance Method: 61G20-3.005(1)(d)
NON HVHZ

Product Manufacturer:
Mid Florida Metal Roofing Supply, Inc.
28328 County Road 561
Tavares, Florida 32778

Engineer Evaluator:
Johnathan Green, P.E. #88223
Florida Evaluation ANE ID: 12901

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Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2023, Sections 1504.3.2, 1504.7.

Product Description: MFMRS Multi-Rib Roof Panel, 29 Ga. Steel, 36" Wide, through fastened structural roof panel over 2x4 wood purlins. Structural Application.

Panel Material/Standards: Material: Minimum 29 Ga. Steel, ASTM A792 or ASTM A653 G90 conforming to Florida Building Code 2023 Section 1507.4.3.
 Yield Strength: Min. 80.0 ksi
 Corrosion Resistance: Panel Material shall comply with Florida Building Code 2023, Section 1507.4.3.

Panel Dimension(s): Thickness: 0.0145" min.
 Width: 36" maximum coverage
 Rib Height: ¾" major rib at 9" O.C.

Panel Fastener: #12 x 1 1/2" WoodZac or WoodZip w/ sealing washer or approved equal.
 ¼-14 x 7/8" HWH SD1 w/ EPDM washer through panel side laps at 12" O.C.
 Corrosion Resistance: Per Florida Building Code 2023, Section 1507.4.4.

Substrate Description: Min. 2x4 No. 2 SYP wood purlins at 24" O.C. complying with 2023 Florida Building Code. Framing must be designed in accordance w/ Florida Building Code 2023.

Allowable Design Uplift Pressures:

Table "A"

Maximum Design Uplift Pressure:	-105.0 psf
Fastener Pattern:	9"-9"-9"-6"-3"
Fastener Pattern Spacing:	24" O.C.

*Design Pressure includes a Safety Factor = 2.0

Code Compliance:	The product described herein has demonstrated compliance with The Florida Building Code 2023, Section 1504.3.2, 1504.7.
Evaluation Report Scope:	The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2023, as relates to Rule 61G20-3.
Performance Standards:	The product described herein has demonstrated compliance with: <ul style="list-style-type: none">▪ ASTM E 1592-05 (2017) Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference.▪ FM 4471-92, Foot Traffic Resistance Test for Roof Panels.
Reference Data:	<ol style="list-style-type: none">1. ASTM E 1592-01 PRI Construction Materials technologies LLC Report No. FAE-008-02-012. FM 4471-92, Section 5.4 Foot Traffic Resistance Test Force Engineering & Testing, Inc. Report No. 194-0134T-11A3. Certificate of Independence By Johnathan Green, P.E. #88223
Test Standard Equivalency:	The ASTM E 1592-01 test standard is equivalent to the ASTM E 1592-05 (2017) 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.
Minimum Slope Range:	Minimum Slope shall comply with Florida Building Code 2023, including Section 1507.4.2 and in accordance with Manufacturers recommendations. For slopes less than 3:12, lap sealant must be used in the panel side laps.
Installation:	Install per manufacturers recommended details.
Insulation:	Manufacturer's approved product (Optional)
Roof Panel Fire Classification:	Fire classification is not part of this acceptance.
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 2023 for roof cladding wind loads. These component wind loads for roof 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 2023 Chapter 23 for wood, and Chapter 16 for structural loading.

