



Product Evaluation Report
McELROY METAL, INC.

24 Ga. Wave Wall Panel

Florida Product Approval # 33239.1 R1

Florida Building Code 2026

Per Rule 61G20-3

Method: 2 –B

Category: Structural Components

Subcategory: Structural Wall

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

NON HVHZ

Product Manufacturer:

McElroy Metal, Inc.

1500 Hamilton Road

Bossier City, LA 71111

Engineer Evaluator:

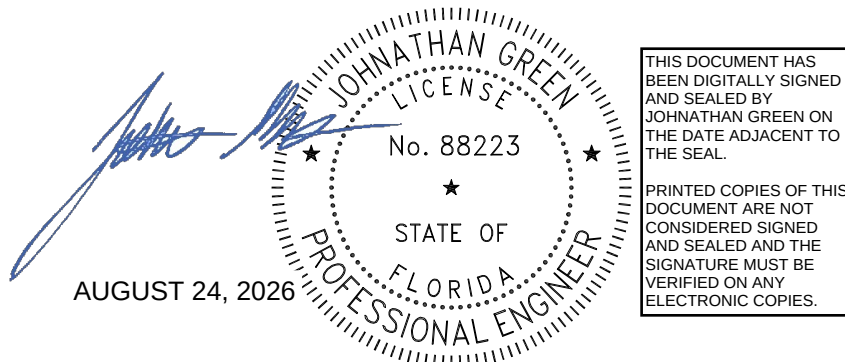
Johnathan Green, P.E. #88223

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 2026, Sections 1709.2
Product Description:	Wave Panel, 24 Ga. Steel, 16" Wide, concealed fastener interlocking structural wall panel.
Panel Material/Standards:	Material: 24 Ga. Steel, ASTM A792 conforming to Florida Building Code 2026 Section 1405.2. Yield Strength: Min. 50.0 ksi
Panel Dimension(s):	Thickness: 0.024" min. Width: 16" maximum coverage
Panel Fastener:	(2) #10-16 x 1" Pancake SD or approved equal, 1" apart OR (2) #10-12 x 1" Pancake Type A or approved equal, 1" apart. Corrosion Resistance: Per Florida Building Code 2026 and Section 1711 for installations within 3000 ft. of a saltwater coastline.
Substrate Description:	Min. 16 Ga. Steel Framing. Framing must be designed in accordance w/ Florida Building Code. Optional Substrates: 1) 7/16" & 19/32" OSB sheathing. Design of OSB and OSB supports are outside the scope of this evaluation and must be designed in accordance w/ Florida Building Code. 2) 15/32" & 19/32" Plywood sheathing. Design of Plywood and Plywood supports are outside the scope of this evaluation and must be designed in accordance w/ Florida Building Code.



Allowable Design Pressure Tables (Design Pressures Contain 2.0 Safety Factor):

Table "A" Min. 16 Ga. Steel Framing

Maximum Allowable Design Pressure:	-52.1 psf	-93.7 psf	+101.5 psf	+151.6 psf
Fastener Spacing:	4'-0" O.C.	1'-0" O.C.	4'-0" O.C.	2'-0" O.C.

Table "B" 7/16" OSB Sheathing

Maximum Allowable Design Pressure	-52.1 psf	-93.7 psf	+101.5 psf	+151.6 psf
Fastener Spacing:	1'-3" O.C.	0'-9" O.C.	4'-0" O.C.	2'-0" O.C.

Table "C" 19/32" OSB Sheathing

Maximum Allowable Design Pressure	-52.1 psf	-93.7 psf	+101.5 psf	+151.6 psf
Fastener Spacing:	2'-9" O.C.	1'-0" O.C.	4'-0" O.C.	2'-0" O.C.

Table "D" 15/32" Plywood Sheathing

Maximum Allowable Design Pressure	-52.1 psf	-93.7 psf	+101.5 psf	+151.6 psf
Fastener Spacing:	2'-3" O.C.	1'-0" O.C.	4'-0" O.C.	2'-0" O.C.

Table "E" 19/32" Plywood Sheathing

Maximum Allowable Design Pressure	-52.1 psf	-93.7 psf	+101.5 psf	+151.6 psf
Fastener Spacing:	3'-0" O.C.	1'-0" O.C.	4'-0" O.C.	2'-0" O.C.

Code Compliance:

The product described herein has demonstrated compliance with
 The Florida Building Code 2026, Section 1709.2

Evaluation Report Scope:

The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2026, as relates to Rule 61G20-3.

Performance Standards:

The product described herein has demonstrated compliance with:

- 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:

1. ASTM E 1592-05 (2017)
 Force Engineering & Testing (FBC Organization # TST-5328)
 Report No. 90-0026T-24
2. Certificate of Independence
 By Johnathan Green, P.E. #88223

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.



Insulation:

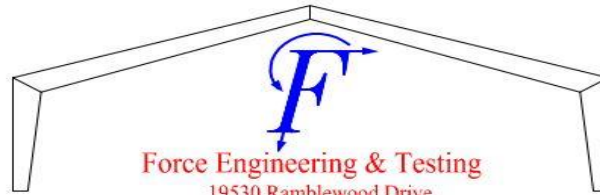
Manufacturer's approved product (Optional)

Shear Diaphragm:

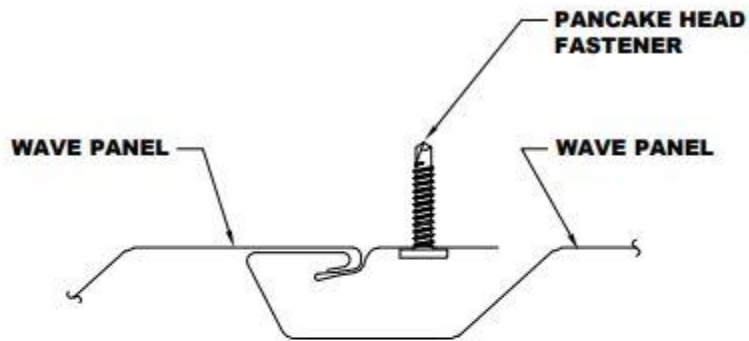
Shear diaphragm values are outside the scope of this report.

Design Procedure:

Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2026 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 2026 Chapter 22 for steel, and Chapter 16 for structural loading.



Force Engineering & Testing
19530 Ramblewood Drive
Humble, Texas 77338
Office: (281) 540-6603 Test Lab: (832) 720-4251
www.forceengineeringtesting.com



FIXED WAVE PANEL FASTENING