

# *Gulf Coast Supply & Mfg. Inc.*

## Product Evaluation Report for

**24 Ga. Gulf Seam 16" Wide over 1x4 Wood Purlins**

Florida Product Approval # **13044.1**

Category: Roofing

Subcategory: Metal Roofing

Compliance Method: 9B-72.070(1)(d)

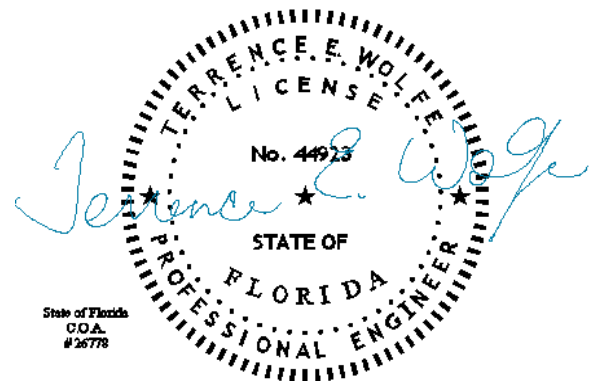
**NON-HVHZ**

Engineer Evaluator:

Terrence E. Wolfe, P.E. # 44923  
19530 Ramblewood Drive  
Humble, TX 77338

Validator:

Locke Bowden, P.E., FL #49704  
9450 Alysbury Place  
Montgomery, AL 36117



**Product Manufacturer:**  
Gulf Coast Supply & Mfg, Inc.  
4020 S.W. 449th Street  
Horseshoe Beach, FL 32648  
352-498-7852

**Product Description:**  
Gulf Seam Panel, 24 Ga. 0.023", 16" Coverage, 1-3/4" Snap Lock Rib, non-structural metal roof panel over 1x4 wood purlins over 15/32" plywood.

Panel Rollformer: New Tech Machinery Rollformer  
New Tech Machinery Corp.  
1300 40<sup>th</sup> Street  
Denver, CO 80205

**Compliance Statement:**  
The product as described in this report has demonstrated compliance with the Florida Building Code 2007, Sections 1504.3.2, 1504.9, 1506.7, 1507.4.

**Documentation Supporting the Compliance Statement:**  
The product has been tested in accordance with:  

- UL 580-94 / 1897-98 by Force Engineering & Testing
- Test Report #117-0285T-09 w/ clips at 18" O.C.

**Limitations and Conditions of use for NON-HVHZ:**  
**Maximum Roof Component Uplift Pressure:** -93.5 psf @ 18" O.C. Clip Spacing

**Panel Material Standards:** 24 Ga., 0.023" Thick material Grade 50. Panel Material shall comply with FBC 2007, Section 1507.4.3

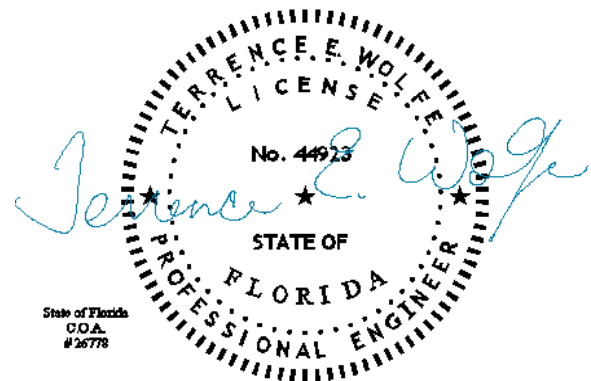
**Panel Clip:** 3 1/2" Long, 18 Ga. Clips must be Corrosion resistance per FBC 2007, Section 1506.7.

**Panel Clip Fasteners:** (2) #10-12 x 2" Pancake Type A. Fasteners must be Corrosion resistance per FBC 2007, Section 1507.4.4

**Minimum Roof Slope:** 1/2:12. Minimum Slope shall comply with FBC 2007, Section 1507.4.2 and Manufacturers recommendations.

**Substrate Description:** 1x4 No. 2 S.P. Wood Purlins over min. 15/32" Plywood Deck designed by others. 1x4 wood purlins attached to plywood with (1) 8dx2 1/2" Ring Shank Galv. Nail at 4" O.C.

**Vapor Barrier:** Titanium PSU-30® or Gulf Coast Supply & Mfg. Approved equal.



**Roof Panel Fire Rating:**

Panel has a Class B fire exposure rating in accordance with FBC Section 1505.3 without added an additional fire barrier.

**Design Procedure:**

Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the FBC 2007 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressures 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 decking & framing must be in compliance with FBC 2007 Chapter 22 for Steel, Chapter 23 for Wood and Chapter 16 for structural loading.

**Installation Requirements:**

Install the panel system according to the manufacturer's installation instruction.

**Quality Assurance Entity:**

Keystone Certifications, Inc: FBC #QUA1824

**Certificate of Independence:**

See uploaded attachments

**Authorized Representative:**

Terrence E. Wolfe, P.E. #44923

