

# *Gulf Coast Supply & Mfg. Inc.*

## Product Evaluation Report for

**24 Ga. Gulf Coast Mechanical Seam 18" Wide over open framing**

Florida Product Approval # **11650.1**

Category: Structural Components

Subcategory: Roof Deck

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 Coast Mechanical Seam Roof Panel, 24 Ga. 0.0245", 18" Coverage, 2" Tall Rib, 180° Double Lock Seam, Structural metal roof panel over min. 16 Ga. open framing.

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.

**Documentation Supporting the Compliance Statement:**  
The product has been tested in accordance with:  
A) ASTM E 1592-01: Test Report 117-0247T-08 dated 7-14-07 by Force Engineering & Testing, Inc.

**Limitations and Conditions of use for NON-HVHZ:**  
**Maximum Roof Component Uplift Pressure:** -45.0 psf @ 5'-0" O.C. Clip Spacing  
-120.0 psf @ 1'-0" O.C. Clip Spacing

**Panel Material Standards:** 24 Ga., 0.0245" Thick material Grade 50. Panel Material shall comply with FBC 2007, Section 1507.4.3

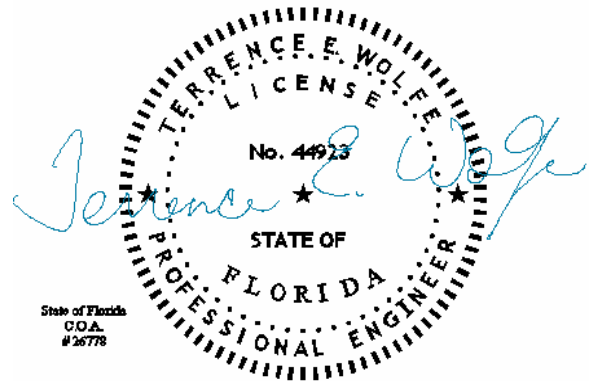
**Panel Clip:** NC-33003 Slider Clip

**Panel Clip Fasteners:** (2) #10-16 x 1" Pancake Self-Driller. 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:** Min. 16 Ga. framing designed by others

**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. Support framing must be in compliance with FBC 2007 Chapter 22 for Steel 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

