

Thompson Architectural Metals Company

Product Evaluation Report for

1" TM Lock 26 Ga. 16" Wide over 19/32" Plywood

Florida Product Approval # 11101.4

Category: Roofing

Subcategory: Metal Roofing

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

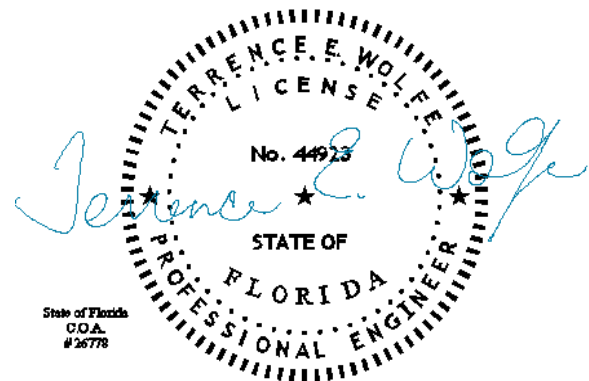
NON HVHZ

Engineer Evaluator:

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Humble, TX 77338

Validator:

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Product Manufacturer:
Thompson Architectural Metals Company
5015 E Hillsborough Ave.
Tampa, FL 33610

Product Description:
1" TM Lock, 26 Ga. (0.0190"), 16" Pan Width, 1" Tall Rib, Snap Lock Seam, non-structural metal panel over 19/32" plywood. A continuous bead of 3M Scotch-Seal polyurethane adhesive sealant was applied in between the male leg and female leg before the panel is snapped together.

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:
• TAS 125-03 UL 580-94 / 1897-98: Test report 0297-0602-02 dated 6-04-02 by Hurricane Test Laboratory, Inc.

Limitations and Conditions of use for NON HVHZ:
Maximum Roof Component Uplift Pressure: -102.5 psf @ 6" O.C. fastener spacing in panel slots

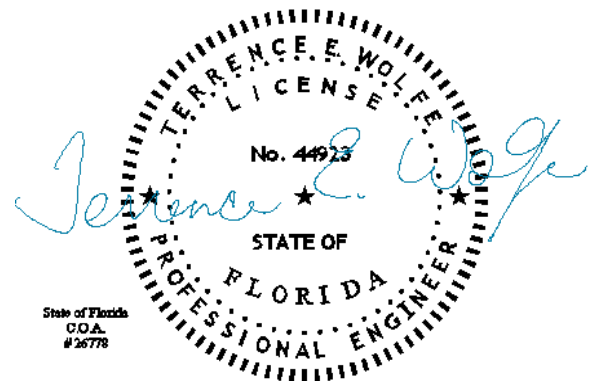
Panel Material Standards: 26 Ga., 0.019" Min. ASTM A792. Panel Material shall comply with FBC, Section 1507.4.3

Panel Fasteners: (1) #10-12 Pancake @ 6" O.C. Fastener must penetrate through plywood deck 3/16". Fasteners must be Corrosion resistance per FBC, Section 1507.4.4. *A continuous bead of 3M Scotch-Seal polyurethane adhesive sealant was applied in between the male leg and female leg before the panel is snapped together.*

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

Substrate Description: Minimum 19/32" plywood. Must be designed in accordance w/ FBC Chapter 23.

Vapor Barrier: 30# Asphalt Saturated organic felt paper in compliance with ASTM D226, Type I or Type II.



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 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 FBC 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

