

DO KIM & ASSOCIATES, LLC
CONSULTING STRUCTURAL ENGINEERS

Florida Board of Engineers Certificate of Authorization No. 26887

Product Evaluation Report

Date: September 21, 2023

Report No.: 230921.1

FL Product Approval #: FL# 30540-R2

Product Category: Roofing

Product sub-category: Metal Roofing

Product Name: 3" Metal Riser Roof Panel

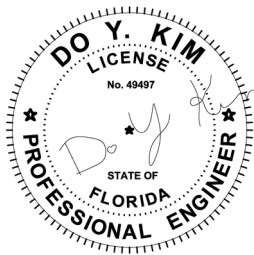
Manufacturer: Gulf Coast Building Products
3350 McLemore Dr.
Pensacola, FL 32514
Phone: 850.477.6050 Fax: 850.477.9004

Scope:

This product evaluation report issued by Do Kim and Associates, LLC and Do Kim, P.E. for Gulf Coast Building Products and is based on Florida Department of Business and Professional Regulation Rule 61G20-3, Method (2) (b) of the State of Florida Product Approval. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or updates.

Do Kim and Associates, LLC and Do Kim, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code, 8th Edition (FBC) and where pressure and deflection requirements, as determined by Chapter 16 of the Florida Building Code, do not exceed the design pressures as shown on the approval.



Digitally signed by
Do Y Kim
Date: 2023.09.25
14:51:14 -04'00'

Do Kim, P.E.
FL #49497

Supporting Documents

1. Product Approval Installation Drawings:
 - a. Drawing No. 191010 titled “METAL 3” RISER ROOF PANELS”, Sheet 1 of 1, prepared by Do Kim & Associates, LLC signed and sealed by Do Kim, P.E (FL PE# 49497).
2. Testing:
 - a. Testing per ASTM E330/E330M-14. Test Report Numbers: 2179T0001.01, 2179T0001.02, 2179T0001.03, 2179T0001.04, 2179T0001.05, 2179T0001.06. Report Dates: June 24-46, 2019, 0.024” and 0.032” and 26ga Thickness Rolled Formed Metal Roof Panel rendered to Gulf Coast Building Products of Pensacola, FL by PRI Construction Materials Technologies LLC, 6412 Badger Dr., Tampa, FL 33610.
 - b. Aluminum alloy shall be 3105-H24 or 3105-H25 or approval equal.
 - c. Galvalume steel shall be of Grade 50, ASTM A792, 26ga.
3. Engineering Analysis/Calculations:
 - a. Comparative and rational analysis has been conducted for allowable span conditions based on minimum and maximum boundary span testing.
 - b. Rational analysis has been performed per FBC requirements as listed in the product application and acceptable standards of engineering principles.
4. Quality Assurance Entity:
 - a. Letter of Participation issued by Keystone Certifications, Inc. (FBC Organization Number QUA1824) confirms that this manufacturer is within a quality assurance program for this product under Rule 61G20-3.008 (5).

Limitations and Condition of Use

1. This product has not been tested for Impact Resistance.
2. This product has not been evaluated for use within the High Velocity Hurricane Zone (HVHZ).
3. This product has been designed to resist wind loads as indicated in the design schedules on the Product Evaluation Documents and Installation Drawings.
4. The product listed above shall conform to and be in strict compliance with all requirements and limitations as described in this Product Evaluation Report and in the Installation Drawings. All product components shall be of the material specified in the Product Evaluation Documents and Installation Drawings.
5. Refer to Product Approval Installation Drawings noted above for:
 - All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in this product’s respective anchor schedule. Host structure conditions which are not described in this product’s anchor details shall be designed for on a site-specific basis by a registered design professional.
 - All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times per FBC.
 - Material fabrication, properties, and performance parameters.
6. Linear interpolation may be used for figures shown in all tables.

Do Kim, P.E.
FL #49497