

ENGINEERING EXPRESS® (EX) PRODUCT EVALUATION REPORT

August 3, 2023

Application Number: FL 2291.1 – R12
EX Project Number: 23-60172

Product Manufacturer: Four Seasons Building Products
Manufacturer Address: 7815 American Way
Groveland, FL 34736

Product Name & Description: Pro-Fab Roof Panels
Aluminum and Steel Skin EPS Core Sandwich Panels

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005, F.A.C., for statewide acceptance per Method 2 (b). The product noted above has been tested and/or evaluated as summarized herein to show compliance with standard ASCE 7-22 (ASD) and Florida Building Code Eighth Edition (2023) and is, for the purpose intended, at least equivalent to that required by the Standard and Code. Re-evaluation of this product shall be required following pertinent Florida Building Code or ASCE Standard modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

EX Performance Evaluation document # 23-60172 titled “Pro-Fab Roof Panels”, prepared by Engineering Express, Inc., signed & sealed by Frank Bennardo, P.E. is an integral part of this Evaluation Report, pages 1 of 1.

- **TEST REPORTS (IF APPLICABLE)**

The product has been tested per the following:

Test Lab	Test Report #	Test Standard	Test Description	Signed & Sealed By:
Terrapin Testing, Inc	50332-A, 50410-A, 50410-B, 50410-C, 50410-D, 50410-E, 50410-F, 50410-G, 50410-H, 50410-I	ASTM E-72	Uniform Static Structural Performance	Rick Cavanagh, P.E.

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Intertek Evaluation Services (in conjunction with Omega Point Laboratories)	16289-107799	ASTM D-1929	Thermoplastic Structural Performance for self-ignition	Rick Curkeet, P.E.
Intertek Evaluation Services	14530-12330 Rev 1	ASTM E-84	Thermoplastic Structural Performance for surface burning characteristics	Rick Curkeet, P.E.

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria:

1. Maximum Allowable Spans
2. Maximum Allowable Deflections

No 33% increase in allowable stress has been used in the design of this product.

Impact Resistance:

Impact Resistance has not been demonstrated.

Wind Load Resistance:

This product has been designed to resist wind loads as indicated on its respective Performance Evaluation document (i.e. engineering document).

Installation:

The product listed above shall be installed in strict compliance with the Performance Evaluation document (i.e. engineering document), along with all components noted therein.

The product components shall be of the material specified in the Performance Evaluation document (i.e. engineering document).

Four Seasons Building Products – Pro-Fab Roof Panels

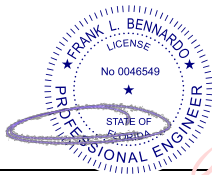
Limitations & Conditions of Use:

Use of each product shall be in strict accordance with its respective Performance Evaluation document (i.e. engineering document) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times. Any alteration to the respective Performance Evaluation document will invalidate it. This product has been designed for use inside and outside of the High Velocity Hurricane Zone (HVHZ & NON-HVHZ).

Respectfully,



Digitally signed by
Frank Bennardo
Date: 2023.08.07
11:30:23 -04'00'

Frank Bennardo, P.E.

ENGINEERING EXPRESS®

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