



ENGINEERING EXPRESS® PRODUCT EVALUATION REPORT

December 7, 2020

Application Number: FL 35394.1 – R0
EX Project Number: 20-7480

Product Manufacturer: Lamboo Technologies, LLC
Manufacturer Address: 311 West Edwards Street
Litchfield, IL 62056

Product Name & Description: 3", 5", & 7" Lamboo Rain Screen Siding 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 1(d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with the Florida Building Code Seventh Edition (2020) and is, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

EX drawing #20-7480 titled "3", 5", & 7" Lamboo RainScreen Siding Panels", sheets 1-3 prepared by Engineering Express, signed & sealed by Richard Neet, P.E. are an integral part of this Evaluation Report.

- **TEST REPORTS**

Uniform static structural performance has been tested in accordance with TAS 202 test standards per test report #12005 (signed and sealed by Idalmis Ortega, PE) by Fenestration Testing Laboratory (FTL).

Cyclic loading performance have been tested in accordance with TAS 203 test standards per test report #12005 (signed and sealed by Idalmis Ortega, PE) by Fenestration Testing Laboratory (FTL).

Material performance for tensile properties, weathering, ignition temperature, and rate of burn has been tested in accordance with ASTM D638, ASTM G155, ASTM D1929, and ASTM D635, respectively, per test reports 10960 and 12247 (signed and sealed by Idalmis Ortega, PE) by Fenestration Testing Laboratory (FTL).

- **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/Pressure Combination
2. Clip/Anchor Spacing
3. Anchor Capacity

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

LAMBOO TECHNOLOGIES, LLC —
3", 5", & 7" LAMBOO RAINSCREEN SIDING PANELS

Impact Resistance:

This product has not been evaluated for impact resistance.

Wind Load Resistance:

This product has been designed to resist wind loads as indicated in the span schedule(s) on the Product Evaluation Document (i.e. engineering drawing).

Installation:

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

The product components shall be of the material specified in the Product Evaluation Document (i.e. engineering drawing).

Limitations & Conditions of Use:

Use of this product shall be in strict accordance with the Product Evaluation Document (i.e. engineering drawing) as noted herein.

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 accounted for in this 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.

This product has been designed for use within and outside of the High Velocity Hurricane Zone (HVHZ).

Respectfully,



Richard Neet, PE
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