R W B C

R W Building Consultants, Inc.
Consulting and Engineering Services for the Building Industry
P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197
Florida Board of Professional Engineers Registry License No. 9813

Product Evaluation Report

Report No.: ***FL-30077.17***
Date: ***August 18, 2023***

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	**Swinging Exterior Door Assemblies**	**Therma-Tru Corporation 118 Industrial Dr Edgerton, OH 43517 Phone 419-298-1740**	**Cut Down Composite Edge Opaque Fiberglass Single Door w/ Sidelite(s) Outswing "Impact"**

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) for Therma Tru Corporation based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Department of Business & Professional Regulation.

RW Building Consultants and Lyndon F. Schmidt, 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.

Limitations:

1. This product evaluation drawing has been developed in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of drawing FL-30077.17 require further engineering analysis by a licensed engineer or registered architect.
7. This product meets the water infiltration requirements for the "HVHZ".
8. Outswing configurations using Coastal Sill (Item #19) and Composite Sill (Item #16) under active doors and all sills used under sidelites meet water infiltration requirements for "HVHZ". All other configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
9. See drawing FL-30077.17 for size and design pressure limitations.

Supporting Documents:

1. **Test Report No.** / **Test Standard** / **Testing Laboratory** / **Signed by**

Test Report No.	Test Standard	Testing Laboratory	Signed by
TEL 01461571	TAS 201, 202 & 203 (94)	Testing Evaluation Lab.,Inc.	William Shelton, P.E.
TEL 06-1031-3	TAS 201, 202 & 203 (94)	Testing Evaluation Lab.,Inc.	Wendell W. Haney, P.E.
TEL 01460144	TAS 201, 202 & 203 (94)	Testing Evaluation Lab.,Inc.	Lyndon F. Schmidt, P.E.
TEL 01460105.1	TAS 201, 202 & 203 (94)	Testing Evaluation Lab.,Inc.	Lyndon F. Schmidt, P.E.
TEL 01682264	TAS 201, 202 & 203 (94)	Testing Evaluation Lab.,Inc.	Lyndon F. Schmidt, P.E.
TEL 01462375	TAS 202-94, TAS 201/203-94	Testing Evaluation Labs	William B. Shelton, P.E.

2. **Miami -Dade NOA** / **Materials**

Miami -Dade NOA	Materials
21-0216.01	Saflex PVB® Interlayer (Eastman Chemical Company)
20-0915.22	Trosifol PVB® Interlayer (Kuraray America)

3. **Drawing No.** / **Prepared by** / **Signed & Sealed by**

Drawing No.	Prepared by	Signed & Sealed by
No. FL-30077.17	RW Building Consultants, Inc. (#9813)	Lyndon F. Schmidt, P.E.

4. **Calculations** / **Prepared by** / **Signed & Sealed by**

Calculations	Prepared by	Signed & Sealed by
Anchoring	RW Building Consultants, Inc. (#9813)	Lyndon F. Schmidt, P.E.
ASTM E 1300 Glass Load	Lyndon F. Schmidt, P.E.	

5. **Quality Assurance**
Certificate of Participation issued by National Accreditation and Management Institute, certifying that Therma Tru Corporation is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.

Digitally signed by Lyndon F Schmidt
Date: 2023.08.18 10:30:33 -04'00'

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
This item has been digitally signed and sealed by **L. F. Schmidt** on **8-18-23**.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA