



# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Registry License No. 9813

## Product Evaluation Report

Report No.: FL-21142.13

Date: August 18, 2023

| Product Category | Sub Category                      | Manufacturer                                                                               | Product Name                                                                                                                            |
|------------------|-----------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Exterior Doors   | Swinging Exterior Door Assemblies | Therma Tru Corporation<br>118 Industrial Drive<br>Edgerton, OH 43517<br>Phone 419.298.1740 | Fiber-Classic and Smooth-Star<br>Wood Edge Opaque Fiberglass Single Door<br>Inswing/Outswing<br>"Impact" Door w/ "Non-Impact" Sidelites |

**Scope:** This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. 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 has been evaluated and is 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 FBC Section 1626 and does not require an impact resistant covering. The non-impact sidelite(s) must be protected with an impact resistant covering complying with FBC section 1626.
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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1. The non-impact sidelite(s) must be protected with an impact resistant covering complying with FBC Sections 1609.1.2. & R301.2.1.2.
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-21142.13 require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using Coastal Sill (items #19) & Composite Sill (item #16) under active doors 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.
8. Fiber-Classic & Smooth-Star Sidelites panels require the use of "J" part numbers and must be stained or painted within six months of installation.
9. See drawing FL-21142.13 for size and design pressure limitations.

### Supporting Documents:

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 1. <b>Test Report No.</b><br>TEL 06-1031-1 Rev                                                                                                                                                                                                                            | <b>Test Standard</b><br>TAS 202-94, TAS 201/203-94                                     | <b>Testing Laboratory</b><br>Testing Evaluation Lab., Inc. | <b>Signed by</b><br>Wendell W. Haney, P.E.               |
| 2. <b>Drawing No.</b><br>No. FL-21142.13                                                                                                                                                                                                                                  | <b>Prepared by</b><br>RW Building Consultants, Inc. (#9813)                            |                                                            | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E. |
| 3. <b>Calculations</b><br>Anchoring<br>ASTM E1300 Glass Load                                                                                                                                                                                                              | <b>Prepared by</b><br>RW Building Consultants, Inc. (#9813)<br>Lyndon F. Schmidt, P.E. |                                                            | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E. |
| 4. <b>Quality Assurance</b><br>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  
14:37:12 -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**