R W B C

# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Registry No. 9813

## *Product Evaluation Report*

***Report No.:*** ***FL-23955.10***

***Date:*** ***August 22, 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** | **Opaque Fiberglass Single Door**<br>**w/ Sidelite(s)**<br>**Inswing/Outswing**<br>**"Non-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 has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code structural requirements excluding the "High Velocity Hurricane Zone".
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 areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 as follows: Wind Zone 1, 2 & 3: Glazed Sidelites only; Wind Zone 4: Entire System.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of drawing FL-23955.10 require further engineering analysis by a licensed engineer or registered architect.
6. See drawing FL-23955.10 for size and design pressure limitations.

***Supporting Documents:***

1.

| Test Report No. | Test Standard | Testing Laboratory | Signed by |
|---|---|---|---|
| TEL 01461504 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01461505 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01461509 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01461511 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01461512 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01461513 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01461514 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01461515 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01461516 | ASTM E 330-02, E 331-00 | Testing Evaluation Lab. | Vivian K. Wright |
| TEL 01460440-A | ASTM E 330-02 | Testing Evaluation Lab. | Vivian K. Wright |

2.

| Drawing No. | Prepared by | Signed & Sealed by |
|---|---|---|
| No. FL-23955.10 | RW Building Consultants, Inc. (#9813) | Lyndon F. Schmidt, P.E. |

3.

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

4. **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: 2023.08.22 15:23:06 -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 **8-22-23**.
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**