



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-23507.3

Date: August 17, 2023

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Therma Tru 118 Industrial Drive. Edgerton, OH 43517 (419) 298-1740	Therma-Tru Profiles and Traditions Wood Edge "Impact" Opaque Steel Single Door w/ "Non-Impact" Sidelite(s) Inswing/Outswing

Scope: Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for Therma Tru Corporation, per Rule 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", the opaque door complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering. The non-impact sidelite must be protected with an impact resistant covering complying with Section 1626 of the FBC.
4. When used in areas outside of the "HVHZ" requiring wind borne protection, the opaque door complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. The opaque door 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 sidelites 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-23507.3 require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using Sill numbers 16,17,18 & 31 meet the water infiltration requirements for the "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 the canopy or overhang to sill is less than 45 degrees.
8. When used in the "HVHZ", Steel must be protected as specified in FBC 2222.6.
9. See drawing FL-23507.3 for size and design pressure limitations.

Supporting Documents:

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| 1. Test Report No.
TEL 01460144
TEL 01460146
ETC 01-741-10639.0
ETC 01-741-10622.0
ETC 01-741-11004.0 | Test Standard
TAS 201, 202, 203-94
TAS 201, 202, 203-94
TAS 201, 202, 203-94
TAS 201, 202, 203-94
TAS 201, 202, 203-94 | Testing Laboratory
Testing Evaluation Lab., Inc
Testing Evaluation Lab., Inc
ETC Laboratories
ETC Laboratories
ETC Laboratories | Signed by
Lyndon F. Schmidt, P.E.
Lyndon F. Schmidt, P.E.
Wendell Haney, P.E.
Joseph Doldan, P.E.
Joseph Doldan, P.E. |
| 2. Drawing No.
No. FL-23507.3 | Prepared by
RW Building Consultants, Inc. (#9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 3. Calculations
Anchoring
ASTM E1300 Glass Load | Prepared by
RW Building Consultants, Inc. (#9813)
Lyndon F. Schmidt, P.E. | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 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: 2023.08.17
16:20:15 -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 8-17-23.
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