



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-37185.1

Date: August 1, 2023

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Trinity Glass International 33615 1st Way S Federal Way, Washington 98446	Glazed Fiberglass Patio Door Single w/ or w/out Sidelite(s) Inswing / Outswing "Impact"

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. for Trinity Glass International 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 anchoring drawing has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) excluding 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 areas 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 excludes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1 complies with FBC Sections 1609.1.2 & R301.2.1.2.
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-37185.1 require further engineering analysis by a licensed engineer or registered architect
6. See drawing FL-37185.1 for size and design pressure limitations.

Supporting Documents:

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| 1. Test Report No.
TEL 04253364 | Test Standard
ASTM E330 (14), E331 (00),
ASTM E1886 (13a), E1996 (14a) | Testing Laboratory
Testing Evaluation Laboratories | Signed by
V.K. Wright |
| 2. Drawing No.
No. FL-37185.1 | Prepared by
RW Building Consultants, Inc. (#9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 3. Calculations
Anchoring
ASTM E 1300 Glass Load | Prepared by
RW Building Consultants, Inc. (#9813)
RW Building Consultants, Inc. (#9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 4. Quality Assurance
Certificate of Participation issued by National Accreditation and Management Institute, certifying that Trinity Glass International is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53. | | | |

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
This item has been digitally signed and sealed by L. F. Schmidt on 8-01-23.
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