

# 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 Certificate of Authorization No. 9813

## Product Evaluation Report

Report No.: FL-15255.22

Date: May 1, 2015

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Trinity Glass International 4621 192nd St. East Tacoma, Washington 98446 Phone 235-875-7300 Facsimile 235-875-7301	Glazed Fiberglass Door with Sidelite(s) Inswing/Outswing "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 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 has been evaluated and is in compliance with the 5th Edition (2014) 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 is required to be protected with an impact resistant covering that complies with Section 1626 of the FBC.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
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-15255.22 require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using threshold item #25 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configurations using threshold #27 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-15255.22 for size and design pressure limitations.

### Supporting Documents:

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| 1. <b>Test Report No.</b><br>TEL 01470437<br>TEL 05-1026-2<br>TEL 01370046<br>TEL 02010411<br>TEL 01470100<br>TEL 01470099<br>TEL 01470101 | <b>Test Standard</b><br>TAS 201, 202, 203-94<br>TAS 202-94<br>TAS 202-94<br>ASTM G155-04,C158-02<br>ASTM D1929-96<br>ASTM D2843-99<br>ASTM D635-03 |
| 2. <b>Miami-Dade NOA</b><br>13-0129.27   | <b>Materials Testing</b><br>DuPont PVB Interlayer  |
| 3. <b>Drawing No.</b><br>No. FL-15255.22   | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)   |
| 4. <b>Calculations</b><br>Anchoring<br>ASTM E1300 Glass Load   | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)<br>Lyndon F. Schmidt, P.E.  |
| 5. <b>Quality Assurance</b>  |  |

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.

### Testing Laboratory

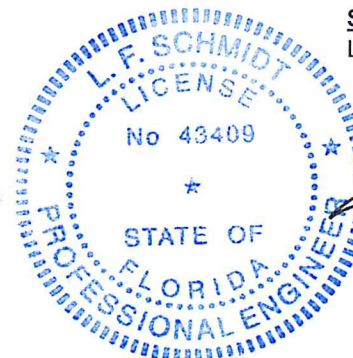
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|-------------------------------|-------------------------|
| Testing Evaluation Lab., Inc. | Lyndon F. Schmidt, P.E. |
| Testing Evaluation Lab., Inc. | Wendell W. Haney, P.E.  |
| Testing Evaluation Lab., Inc. | Wendell W. Haney, P.E.  |
| Testing Evaluation Lab., Inc. | Lyndon F. Schmidt, P.E. |
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### Signed by

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| Lyndon F. Schmidt, P.E. |
| Wendell W. Haney, P.E.  |
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### Signed & Sealed by

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| Lyndon F. Schmidt, P.E. |
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Lyndon F. Schmidt, P.E.  
FL PE No. 43409  
5/1/2015