

# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Certificate of Authorization No. 9813

## Product Evaluation Report

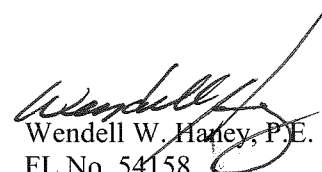
Report No.: FL-5750.3 R1  
Date: July 18, 2008  
Product Category: Exterior Doors  
Product sub-category: Swinging Exterior Door Assemblies  
Product Name: Premium Opaque Fiberglass  
"Impact" Door With  
"Non-Impact" Sidelite  
Inswing/Outswing  
Manufacturer: Trinity Glass International  
4621 192nd St.  
E. Tacoma, Washington 98446  
Phone 235-875-7300 Facsimile 235-875-7301

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Wendell W. Haney, P.E. (System ID # 1993) for Trinity Glass International based on Rule Chapter No. 9B-72.070, Method 1d of the State of Florida Product Approval, Department of Community Affairs-Florida Building Commission.

RW Building Consultants and Wendell W. Haney, 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.


This product has been evaluated for use in locations adhering to the Florida Building Code (2007 Edition)

See Drawing No. FL-5750.3 prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (FL # 54158) for specific use parameters.

  
Wendell W. Haney, P.E.  
FL No. 54158  
July 18, 2008

## Limitations

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements 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 the opaque door complies with Section 1609.1.2 of the 2007 FBC and does not need to be protected with an impact resistant covering. The sidelite is req'd to be protected with an impact resistant covering that complies with Section 1609.1.2 of the 2007 FBC.
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-5750.3 require further engineering analysis by a licensed engineer or registered architect.
6. See drawing FL-5750.3 for size and design pressure limitations.

  
Wendell W. Handy, P.E.  
FL No. 54158  
July 18, 2008

## Supporting Documents

### A Drawing

1. Drawing No. FL-5750.3 prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), signed and sealed by Wendell W. Haney, P.E.

### B Tests

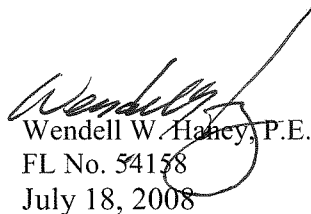
1. Testing per TAS 202-94 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL # 05-1026-1, signed by Wendell W. Haney.
2. Testing per ASTM E1996/1886-02 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL # 05-1026-1-A, signed by Wendell W. Haney.
3. Testing per ASTM E1996/1886-02 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL # 05-1026-1-B, signed by Wendell W. Haney.
4. Testing per ANSI/AAMA/NWDA 101/I.S.2/A440-05 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL # 08-01370021, signed by Wendell W. Haney.
5. Testing per ASTM E1996/1886-02 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL # 08-01370021-IC, signed by Wendell W. Haney.

### C Calculations

1. Product anchoring for tested specimens is in accordance with manufacturer's published recommendations as substantiated by tested specimens reported in test report TEL # 05-1026-1, TEL # 05-1026-1-A, TEL # 05-1026-1-B, TEL # 08-01370021 and TEL # 08-01370021-IC. Additional product anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E.
2. Buck anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E.

### D Other

1. 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.

  
Wendell W. Haney, P.E.  
FL No. 54158  
July 18, 2008