

# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197 Facsimile 813.754.9989

Florida Board of Professional Engineers Certificate of Authorization No. 9813

## Product Evaluation Report

Report No.: FL 6993.1

Date: June 23, 2006

Product Category: Exterior Doors

Product sub-category: Swinging

Product Name: "Classic Craft" and "Classic Craft Rustic Series"  
 Opaque Fiberglass Door  
 Inswing/Outswing  
 Impact

Manufacturer: Therma-Tru Corporation  
 118 Industrial Drive  
 Edgerton, Ohio 43517  
 Phone – 419.298.1740

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

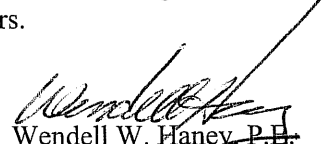
RW Building Consultants and Wendell W. Haney, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code (2004 Edition) and where pressure requirements, as determined by Chapter 16 of The Florida Building Code, do not exceed the following design pressures:

### Design Pressure Rating:

Maximum Design Pressure Rating	Positive 50.0 PSF	Negative 65.0 PSF
(See Limitations for size restrictions)		

See Drawing No.: FL 1044 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  
 June 23, 2006

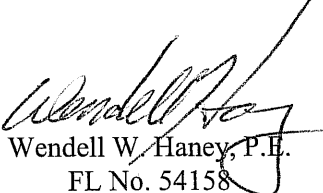
# Limitations

1. The "Classic Craft" and "Classic Craft Rustic Series" Opaque Fiberglass Door, Inswing/Outswing "Impact" has been evaluated and meets the requirements for use within the State of Florida excluding the "High Velocity Hurricane Zone".
2. When used in wind-borne debris regions this product complies with Section 1609.1.4 of the Florida Building Code as an Impact resistant product and does not require the use of an external impact resistant covering. This product meets missile level "D" and includes wind zone 4 as defined in ASTM E1996.

3. Size Limitations:

<u>Configurations</u>	<u>MAX. Width</u>	<u>MAX. Height</u>
Single X	43.50"	98.25"

4. See Drawing # FL-1044 for Design Pressure Ratings.

  
Wendell W. Haney, P.E.  
FL No. 54158  
June 23, 2006

# Supporting Documents

## A Drawing

1. Drawing No. FL 1044 titled "Classic Craft" and "Classic Craft Rustic Series" Opaque Fiberglass Door, Inswing/Outswing "Impact" 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 Performed

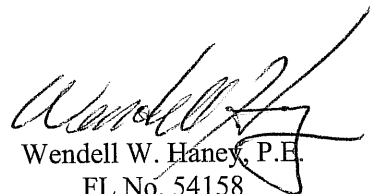
1. Testing per ASTM E330-02, E283-91 and E1886/1996-02 as performed by Testing Evaluation Laboratories, Inc. and reported in test report number TEL 2005-02-21-004-Revised, dated June 19, 2006, signed and sealed by Wendell W. Haney, P.E.

## C Calculations

1. Product anchoring is in accordance with manufacturer's published recommendations as substantiated in test report numbers TEL 2005-02-21-004-Revised.
2. Buck anchor analysis for loading conditions, prepared, signed and sealed by Wendell W. Haney, P.E.
3. Glass Load Resistance Report ASTM E1300-02 prepared by Wendell W. Haney, P.E.

## D Other

1. Certificate of Participation issued by National Accreditation Management Institute certifying that Therma-Tru Corporation is manufacturing products within a quality assurance program.



Wendell W. Haney, P.E.

FL No. 54158

June 23, 2006