



R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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ENGINEER'S NOTICE OF EVALUATION # TTF-254F

Therma-Tru Corp.
108 Mutzfeld Road
Butler, IN 46721
Phone 260.868.5811 Facsimile 260.868.5190

DESCRIPTION OF UNIT

Model Designation: Fiber Classic/Smooth Star, Series Fiberglass Door (Opaque) with or without Side-lites

Maximum Overall Nominal Size: up to 8'4 x 8'0 **Usable Out-swing Configurations:** X, OXO, XO, OX, XX & OXXO

General Description: The head and jambs are wood measuring 4.5" x 1.25" with an extruded aluminum threshold. The door panels and sidelite panels are 1.68" thick and consist of two SMC skins with a thickness of 0.110" for the Fiber Classic Series or the Smooth Star Series with a skin thickness of 0.070" Skins are glued to wood stiles and rails with a urethane core. The glazed sidelites are routed to receive 1/8" tempered or 1/2" insulated tempered lip lite inserts or integral flush glazed lites manufactured by Therma-Tru.

FBC Section 1707 Materials and Assembly Tests:
(1707.4.3 Exterior Door Assemblies; 1707.4.5 Mullions Door Assemblies)

| Test | Description | Test Location | Date | Report No. | Certifying Engineer |
|-------------|--------------------------------|---------------------|------------------|----------------|-----------------------------|
| ASTM E330 | Uniform Static Air Pressure | ETC - Rochester, NY | May 17, 2001 | 01-741-10703.0 | Wendell Haney, P. E. #54158 |
| | | | May 18, 2001 | 01-741-10701.0 | Wendell Haney, P. E. #54158 |
| | | | October 19, 2001 | 01-741-10593.0 | Mark Passero, P.E. #53786 |
| TAS 202 | Forced Entry | ETC - Rochester, NY | May 17, 2001 | 01-741-10703.0 | Wendell Haney, P. E. #54158 |
| | | | May 18, 2001 | 01-741-10701.0 | Wendell Haney, P. E. #54158 |
| | | | October 19, 2001 | 01-741-10593.0 | Mark Passero, P.E. #53786 |
| ASTM E331 | * Water Penetration | ETC - Rochester, NY | May 17, 2001 | 01-741-10703.0 | Wendell Haney, P. E. #54158 |
| | | | May 18, 2001 | 01-741-10701.0 | Wendell Haney, P. E. #54158 |
| | | | October 19, 2001 | 01-741-10593.0 | Mark Passero, P.E. #53786 |
| ASTM E283 | Air Infiltration | ETC - Rochester, NY | May 17, 2001 | 01-741-10703.0 | Wendell Haney, P. E. #54158 |
| | | | May 18, 2001 | 01-741-10701.0 | Wendell Haney, P. E. #54158 |
| | | | October 19, 2001 | 01-741-10593.0 | Mark Passero, P.E. #53786 |
| TAS 201/203 | **Large Missile Impact/Cycling | N/A | N/A | N/A | N/A |

* Sidelites are considered a window and meet 15% of Positive Design Pressure water infiltration criteria.

**This product must be shuttered to meet windborne debris criteria.

Design Pressure Ratings:

| Configuration | Maximum Size | Design Pressure Ratings | |
|--|-----------------|-------------------------|-----------------------|
| Opaque Single X | Up To 3'0 x 8'0 | + 67.00 - 67.00 | |
| Opaque Single with Sidelites XO, OX, OXO | Up To 5'4 x 8'0 | + 47.00 - 47.00 | |
| | | Alum Astragal | Coastal Alum Astragal |
| Opaque Double XX | Up To 6'0 x 8'0 | + 40.00 - 40.00 | + 47.00 - 47.00 |
| Opaque Double with Sidelites OXXO | Up To 8'4 x 8'0 | + 40.00 - 40.00 | + 47.00 - 47.00 |

Installation and Anchoring: See reverse side this page

Use

1. Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ASCE 7 Minimum Design Loads for Buildings and Other Structures do not exceed the design pressure ratings listed above.
2. For Masonry installations where the sub-buck is less than 1-1/2 inches (FBC section 1707.4.4 Anchorage Methods and sub-sections 1707.4.4.1 and 1707.4.4.2) same diameter Tapcon type concrete anchors must be substituted and the length must be such that a minimum 1-1/4" engagement of the Tapcon into the masonry wall is obtained.

Certification: Florida Professional Engineer - Seal No. 43409

May 22, 2002

Lyndon F. Schmidt

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Lutz, FL 33558

