



R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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ENGINEER'S NOTICE OF EVALUATION # TTF-256F

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 (Glazed) with or without Side-lites

Maximum Overall Nominal Size: up to 8'4 x 6'8 Usable In-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 0.065" 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 |
|-------------|--------------------------------|---------------------|---------------|--------------------|----------------------------|
| ASTME330 | Uniform Static Air Pressure | NCTL - Orlando | May 30, 1997 | 210-1940-1234 | Barry Portnooy, #16258 |
| | | ETC - Rochester, NY | June 22, 2001 | ETC-01-741-11008.0 | Joseph Dolden, P.E. #42929 |
| TAS 202 | Forced Entry | NCTL - Orlando | May 30, 1997 | 210-1940-1234 | Barry Portnooy, #16258 |
| | | ETC - Rochester, NY | June 22, 2001 | ETC-01-741-11008.0 | Joseph Dolden, P.E. #42929 |
| ASTME331 | * Water Penetration | NCTL - Orlando | May 30, 1997 | 210-1940-1234 | Barry Portnooy, #16258 |
| | | ETC - Rochester, NY | June 22, 2001 | ETC-01-741-11008.0 | Joseph Dolden, P.E. #42929 |
| ASTME283 | Air Infiltration | NCTL - Orlando | May 30, 1997 | 210-1940-1234 | Barry Portnooy, #16258 |
| | | ETC - Rochester, NY | June 22, 2001 | ETC-01-741-11008.0 | Joseph Dolden, P.E. #42929 |
| 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 | |
|--|-----------------|-------------------------|-----------------|
| Glazed Single X | Up To 3'0 x 6'8 | + 47.00 - 47.00 | |
| Glazed Single with Sidelites XO, OX, OXO | Up To 5'4 x 6'8 | + 47.00 - 47.00 | |
| | | Alum Astragal | Alum Astragal |
| Glazed Double XX | Up To 6'0 x 6'8 | + 40.00 - 40.00 | + 47.00 - 47.00 |
| Glazed Double with Sidelites OXXO | Up To 8'4 x 6'8 | + 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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