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R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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ENGINEER'S NOTICE OF EVALUATION # TCS-101TF

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

DESCRIPTION OF UNIT

Model Designation: "Premium" Series 8'0 Steel Door with Transom System, (Glazed or Opaque) w/w Sidelites

Maximum Overall Nominal Size: up to 5'4 x 9'0 Usable In-swing Configurations: $\frac{Q}{X}$, $\frac{Q}{OX}$, $\frac{Q}{XO}$, $\frac{Q}{OXO}$

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 24 gauge (min 0.022") steel skins for the Premium Series glued to wood stiles and rails with a urethane core. The glazed door panels and sidelites are routed to receive 1/8" tempered or 1/2" insulated lip lite inserts manufactured by Therma-Tru. The Transom glazing is a 1" insulated glass unit that is directly sealed to the jambs with butyl sealant.

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 11, 1998 | NCTL-210-2030-1 | Barry Portnoy, #16258 |
| ASTME331 | *Water Penetration | NCTL - Orlando | May 11, 1998 | NCTL-210-2030-1 | Barry Portnoy, #16258 |
| ASTME283 | Air Infiltration | NCTL - Orlando | May 11, 1998 | NCTL-210-2030-1 | Barry Portnoy, #16258 |
| 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 |
|---|--------------|-------------------------|
| Sgl. Opaque or Glazed Door Panel with Transom $\frac{Q}{X}$ | 3'0 x 9'0 | + 47.00 psf - 47.00 psf |
| Sgl. Opaque or Glazed Door Panel with Transom and sidelite(s) $\frac{Q}{OX}$, $\frac{Q}{XO}$, $\frac{Q}{OXO}$ | 5'4 x 9'0 | + 47.00 psf - 47.00 psf |

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-back 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: Lyndon F. Schmidt
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Lutz, FL 33558

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