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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 # TTF-257F

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 8'0 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 0.110" 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	NCTL - Orlando	May 30, 1997	210-1940-1234	Barry Portnoy, #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 Portnoy, #16258
		ETC - Rochester, NY	June 22, 2001	ETC-01-741-11008.0	Joseph Dolden, P.E. #42929
ASTM E331	* Water Penetration	NCTL - Orlando	May 30, 1997	210-1940-1234	Barry Portnoy, #16258
		ETC - Rochester, NY	June 22, 2001	ETC-01-741-11008.0	Joseph Dolden, P.E. #42929
ASTM E283	Air Infiltration	NCTL - Orlando	May 30, 1997	210-1940-1234	Barry Portnoy, #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 8'0	+ 47.00 - 47.00	
Glazed Single with Sidelites XO, OX, OXO	Up To 5'4 x 8'0	+ 47.00 - 47.00	
		Alum Astragal	Coastal Alum Astragal
Glazed Double XX	Up To 6'0 x 8'0	+ 40.00 - 40.00	+ 47.00 - 47.00
Glazed 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

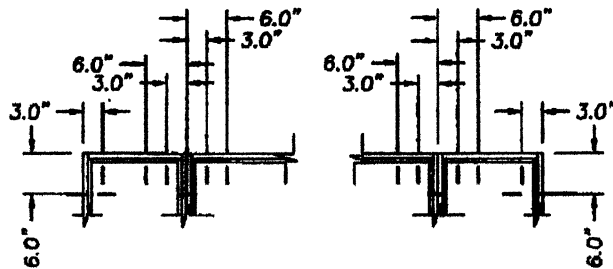
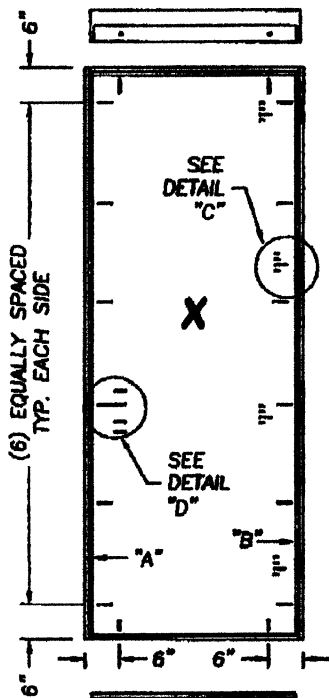
Lyndon F. Schmidt

19506 French Lace Drive

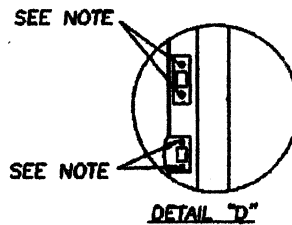
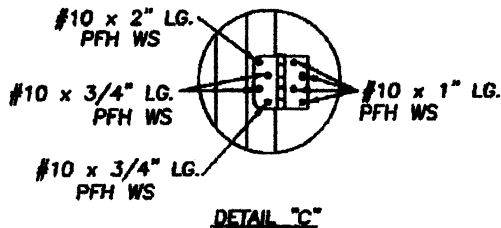
Lutz, FL 33558

# Therma-Tru® FiberClassic / Smooth Star In-swing Fiberglass Door

## Maximum Size Up To 8'4 x 8'0

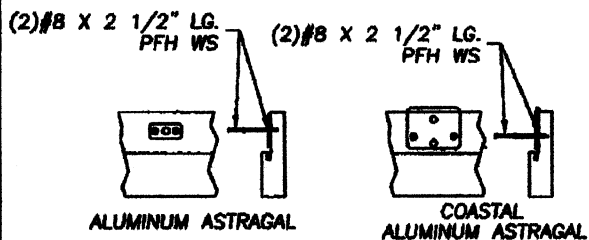
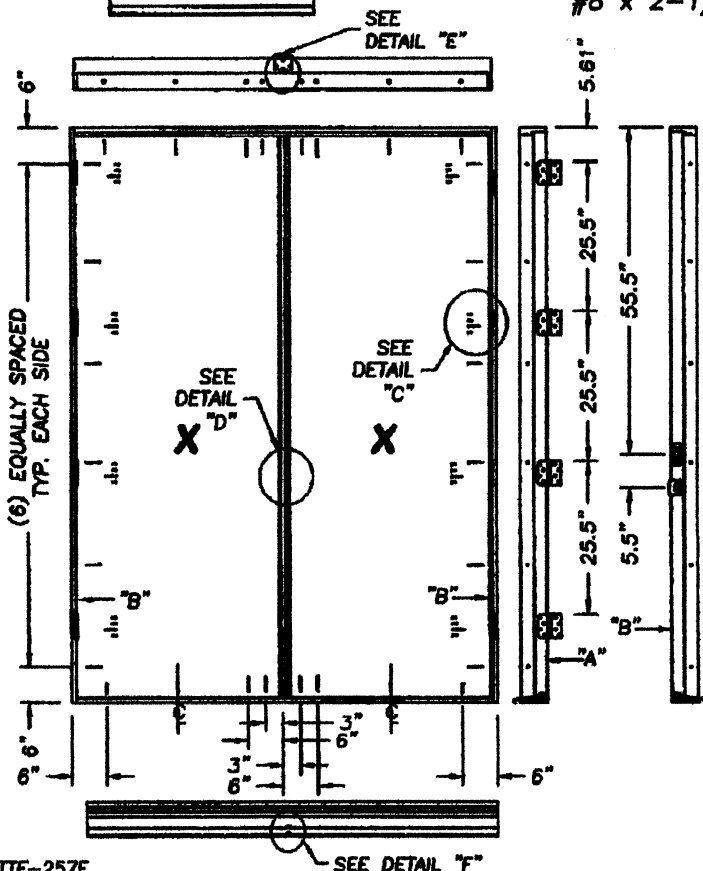


When attaching Sidelite the above anchoring applies.

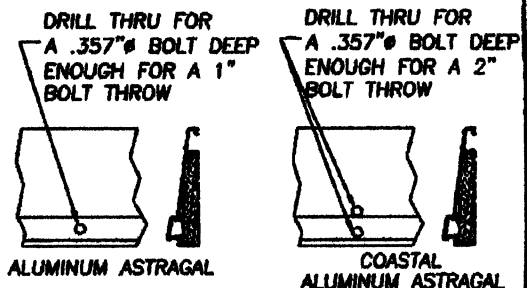


Note:  
When attaching the strike & deadbolt plates to the strike & buck use #10 x 2" Lg. PFH WS. When attaching the strike & deadbolt plates to the astragal use #8 x 2 1/2" Lg. PFH WS. When attaching the strike jamb & sidelite jamb use #10 x 1 3/4" Lg. PFH WS.

NOTE: All perimeter screws are #8 x 2-1/2" PFH WS.



DETAIL "E"  
ATTACH ASTRAGAL THROW BOLT STRIKE PLATE TO FRAME AS SHOWN.



DETAIL "F"  
ASTRAGAL THROW BOLTS AT THE THRESHOLD