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## Engineering Evaluation Report

Report No.: 515093

**Manufacturer:**           **Therma-Tru Corporation**  
                                  **1750 Indian Wood Circle**  
                                  **Maumee, OH 43537**

**Product Line:**

Series V-3 Thermally-Broken AL French Door Assembly w/Standard & High Performance Thresholds Impact

**Compliance:**

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

**Supporting Technical Documentation:**

1. Approval document: drawing number 08-03870, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 110-19489-1 signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
TAS 201/TAS 203      Large Missile Impact Test, Level D, Wind Zone 4  
                                  Cyclic Pressure loading  $\pm 40.0$ psf design pressure  
TAS 202      Uniform Static Air Pressure,  $\pm 40.0$ psf design pressure, 12.11psf water penetration.
3. Report No.: NCTL 110-19489-2 signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
AAMA/WDMA/CSA 101/I.S.2/A440  
Design pressure:                     $\pm 40.0$ psf  
Water penetration resistance    12.11psf
4. Report No.: NCTL 110-19490-2 signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
                                  Cyclic Load Test,  $\pm 40.0$ psf design pressure
5. Anchor calculations, report number 515093-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

**Limitations and Conditions of use:**

- Maximum design pressure:       $\pm 40.0$ psf
- Maximum unit size:                Refer to approval drawing.
- Units must be glazed per ASTM E1300 see installation instructions for glass details.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be Extruded Aluminum 6063-T5 and 6063-T6.

**Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03870.

**Certification of Independence:**

Please note that I do not have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

