CATEGORY 5
Engineering Services, Inc.

1600 S. Federal Hwy. #207, • Pompano Beach • FL • 33062
(954) 784-6991 Tel • (954) 781-5708 Fax • info@c5es.com
CA #25854

ENGINEER'S PRODUCT EVALUATION REPORT

FLORIDA BUILDING CODE COMPLIANCE (HVHZ)

Product Category **Product Name** **Design Pressure** **Impact Resistance** **Product Manufacturer**	Exterior Swinging Doors **Outswing Opaque Wood Door** **+70 psf, -70 psf** **Large Missile Impact Resistant** Exclusive Wood Doors, Inc. 1950 NW 70th Ave., Miami, FL 33126 (305) 477-7140
Report No. **Report Date** **Code Reference**	**EWD-1160205-Eval** **Rev No:** 1 02/05/2016 **Rev Date:** 03/20/2016 **Florida Building Code, Including HVHZ (Current Edition)**
Evaluating Engineer	Emma T. Mellinger, P.E. Category 5 Engineering Services, Inc.

SCOPE OF EVALUATION AND STATEMENT OF CODE COMPLIANCE

This Product Evaluation Report is issued in accordance with the requirements of Florida Administrative Code Rule 61G20-3 for Optional Statewide Product Approval. The above-referenced product has been tested and evaluated as described herein, and found to be **in compliance with the current edition of the Florida Building Code, including HVHZ.** The above-referenced product is, for the purpose intended, at least equivalent to that required by the Code.

PRODUCT DESCRIPTION

Product is a stile and rail construction solid wood out-swinging door made from Brazilian Mahogany, or Tropical Walnut woods. Stiles and rails are 1 ¾" thick, and are joined with 5/8" x 5" wood dowels. Opaque door contains solid wood panels only. Product and allowable configurations are shown in detail in the Approval and Installation Drawing "EWD-1160205-Install."

SUBSTANTIATING DATA

The following documents substantiate the evaluation contained in this report:

- **Miami-Dade County Notice of Acceptance** for Exclusive Wood Doors Opaque Outswing Wood Doors (NOA #15-0413.11).
- **Test Reports** (Certified Testing Laboratories, Inc. Reports No. CTLA-2016W, CTLA-836W, CTLA-836W1, and CTLA-836W2 for tests TAS 201, 202, 203).
- **Anchor Calculations** (technical report "EWD-1160205-Anchors," prepared, signed and sealed by Emma T. Mellinger, P.E.).
- **Approval and Installation Drawing** (drawing "EWD-1160205-Install" prepared, signed and sealed by Emma T. Mellinger, P.E.).

INSTALLATION

- Product shall be installed in accordance with the Approval and Installation Drawing "EWD-1160205-Install" prepared, signed and sealed by Emma T Mellinger, P.E.

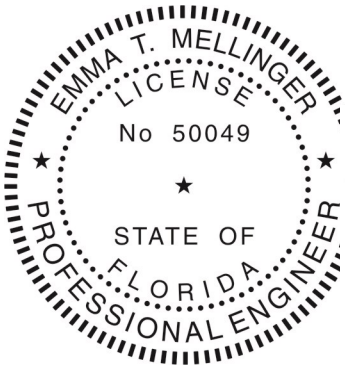
LIMITATIONS AND CONDITIONS OF USE

Use of the above-referenced product shall be in strict accordance with this Evaluation Report and the Approval and Installation Drawing "EWD-1160205-Install." For all other conditions, a site specific design shall be prepared by a Florida-registered Professional Engineer.

- Product meets requirements for the High Velocity Hurricane Zone (HVHZ).
- Maximum Tested Frame Size: 74 ¼" x 122"
- Maximum Design Pressures: +70 psf, -70 psf
- Water Resistance Test Pressure: 10.5 psf
- Product is rated Large Missile Impact Resistant (HVHZ, Wind Zone 4, Missile Level D).

ENGINEER'S STATEMENT OF FINANCIAL INDEPENDENCE

This statement certifies that Emma T. Mellinger, P.E. does not have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Emma T. Mellinger, P.E. does not have nor will acquire a financial interest in any other entity involved in the approval process of the referenced product(s).



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Emma T. Mellinger, P.E.
PE 50049
02/05/2016