

PRODUCT EVALUATION REPORT

Report No. MAI-081205-A

1. MANUFACTURER

Address: MAI Doors by Distinctive Doors, Inc.. 933 Hensley Lane Wylie, TX 75098
Tel: (972) 487-6680
Contact: Prafulla Bapat Ext. 237

2. PRODUCT DESCRIPTION

Type: Exterior Wood Door
Model: Stile and Rail Wood Doors, In-Swing and Out-Swing with Optional Sidelites and Transoms.
Frame Materials: Solid Core Walnut and/or Solid Wood Core with Mahogany Laminate.
Door and Sidelite Material: Solid Core Walnut.
Weatherstripping: Vinyl-Wrapped Foam at Jambos/Head.
Glazing Materials: 5/8" Thick Temp Clear or Decorative Ins Glass. TDL or Single Lite w/ Optional False Muntins.

3. SPECIFIC INSTALLATION REQUIREMENTS

Frames: Fasten to Concrete Rough Opening Through Optional 1" x 4" PT Wood Buck with 1/4" Tapcons @ Max 12" o/c, 3" From Corners, 1 1/4" Min. Embed. Into Concrete or Masonry Block. One Additional Such Anchor Shall be Installed Through Each Hinge.

Alternate Fasteners: Spacing As Above. May Substitute 1/4"-Diameter Wood Screws with 1 1/2" Embedment into 2"x 4" PT Wood Buck, 1/4" TEK or S.M.S. Into Metal Structures 1/8" Min. Thick.

Installation Drawing: See drawing number MAI-081205-A attached.

4. SUPPORTING DOCUMENTS AND REFERENCED STANDARDS

- **Test Reports** NCTL-110-11016-3,-4,-5,-7,-10,-11,-12,-13,-14, and -15 signed and sealed by R Zeiders, P.E., for tests performed in accordance with ASTM E330-02 on ten specimens.
- **Drawing** Number MAI-081205-A prepared by Category 5 Engineering Services, Inc. (C5ES).
- **Glass Load Capacity Calculations** per ASTM E1300-02, and E1300-04e01, prepared by C5ES.
- **Anchor Verification Calculations** for Various Substrates, prepared by C5ES.

5. LIMITATIONS AND CONDITIONS OF USE

Overall Maximum Dimensions: Single Door (Square, Eyebrow, or Half-Round Top) - 37.75" x 98.75"; Double Door (Square, Eyebrow, or Half-Round Top) - 74.75" x 98.75"; Single Door (Square-Top) with Sidelites and/or Transom - 69.00" x 98.75"; Single Door (Eyebrow-Top) with Sidelites Only - 69.00" x 98.75"; Independent Transom - 81.50" x 37.50".

Water Infiltration Requirements: This product **HAS NOT** been tested for water infiltration.

Impact Resistance: This product **HAS NOT** been tested for impact resistance.

High Velocity Hurricane Zone: This product **HAS NOT** been approved for use within the High Velocity Hurricane Zone (HVHZ).

Design Pressures: Allowable design pressures shall be determined from Tables 1, 2, 3, and 4 of drawing number MAI-081205-A attached.

6. CERTIFICATION OF COMPLIANCE

I find this product to be in compliance with Section 1714.5.3 "Exterior Door Assemblies" of the 2004 and 2007 Florida Building Codes, and Rule 9B-72.070 Method 1 (d) for State of Florida Product Approval.


Emma T. Mellinger, P.E. FL #50049
12/30/2008