

Engineering Evaluation Report

Report: 100846

Joshua Royce, P.E.
P.O. Box 237
Gladeville, TN 37071

Manufacturer: Doors Crafter Co.
1100 N 50th St. B-2C
Tampa, Florida 33619

Product: Brazilian Oak Double Door

Description of Project:

Head, jams and panels made of solid Brazilian Oak with the threshold extruded from 6063-T5 aluminum. Frame corners are mortise butted at the head/jamb and sill/jamb connection. Each jamb is mechanically fastened to the head and sill using four 16 ga. trim nails and two #8 x 2-1/2" deck screws.

Submitted Technical Documentation:

1. Test Report CTLA-891W-1C, dated 02/13/2003 signed and sealed by Ramesh Patel, P.E. (FL PE 20224) of Certified Testing Laboratories located in Orlando, FL.
TAS 201-94: Passed Large Missile Impact
TAS 202-94: Design Pressure: +/- 45.00 psf
Air Infiltration: 1.57 psf (0.01 cfm/ft²)
Water Infiltration: 2.86 psf
Forced Entry: Passed
TAS 203-94: Design Pressure: +/- 45.00 psf
ASTM F588: Passed Forced Entry
2. Quality Assurance Entity: NAMI
3. Installation Drawings report number 100846D signed and sealed by Joshua Royce P.E.

Door Hardware: Door hardware consists of the following:

Door Hardware:

Quantity	Description	Manufacturer / Material
1	Latchbolt	Schlage F-51 Max Security Latchbolt
1	Deadbolt	Schlage B360 Deadbolt
2	Surface Bolts	Ives 8.0" surface bolt #453
6	Butt Hinges – 4" x 4"	Butt Hinges (Custom Door)

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Limitations of Use:

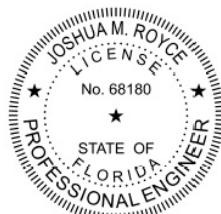
1. Maximum product design pressure of +/- 45 psf for installation not requiring water infiltration. Where water infiltration is required, a maximum product design pressure of +19 psf / -45 psf.
2. Maximum overall size of 125-5/16" wide by 98-1/4" high by 5-1/4" deep for the in-swing door and 125-5/16" wide by 97-3/8" high by 5-1/4" deep for the out-swing door.
3. Maximum door leaf size of 36" wide by 96" high.
4. Maximum daylight opening of 23" wide by 77" for the door and 15" wide by 77" high for the sidelite.
5. Rated for use in the High Velocity Hurricane Zone (HVHZ).
6. Product is impact resistant and therefore will not require the use of an impact protection system if installed in the Wind Borne Debris Region.
7. Glazing must comply with ASTM E1300. The glazing shall be a 1/2" laminated glass consisting of 3/16" annealed glass – 0.090" Saflex HP interlayer – 3/16" annealed glass. (Miami Dade NOA 20-0622.02)
8. Glazing – Interior glazed unit with Dow #995 silicone at the interior face of the glass and Brazilian Oak glazing stop at the exterior of the glass. Glazing stop is mechanically fastened using 16 ga. x 1-1/4" nails. A 1" glazing bite was utilized on all lites. See glazing detail included in drawing package 100846D for further details.
9. Limited design pressure for installations where water infiltration resistance is required by the door (+19/45 psf), unless units are installed in a non-habitable area where the unit and the area are designed to accept water infiltration. Units shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of the canopy or overhang to the sill is less than 45 degrees in order to meet the full design pressure (+/- 45 psf).
10. Units must be installed as per the installation documented in drawing 100846D.
11. The installation details described herein are generic and may not reflect actual conditions for a specific site. If site conditions cause installation to deviate from the requirements detailed herein, a licensed engineer or architect shall prepare site specific documents for use with this document.

Compliance:

The above listed products have been shown to demonstrate compliance with the 2023 Florida Building Code and with the Florida Department of Business and Professional Regulation for Statewide Product Approval as per Rule 61G20-3.

Certificate of Independence:

In accordance with Rule 61G20-3, I do not have, nor do I ever intend to acquire, any financial interest in any manufacturing company associated with this evaluation report. I also do not have any financial interest in the manufacturing company or any company associated with the manufacturing company.



Joshua Royce, P.E.
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For Electronic Submissions

Digitally signed by: Joshua Royce
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