



BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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Product Evaluation Report

of

Caoba Doors

**8'0 Outswing Glazed Mahogany Wood Doors w/
Sidelites & Transom**

for

Florida Product Approval

FL# FL11217

Report No. 3598

Current Florida Building Code

Method: 1 – D (Engineering Evaluation)
Category: Exterior Doors
Sub – Category: Swinging Exterior Door Assemblies

**Product: 8'0 Outswing Glazed Mahogany Wood Doors
w/ Sidelites & Transom**
Material: Mahogany (Min. S.G.=0.42)
Product Dimensions: 174.5" x 97" (Maximum)

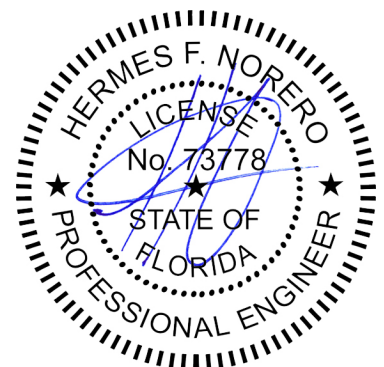
Prepared For:
Caoba Doors
4918 Cedar Avenue
Philadelphia, PA 19143

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 04/27/2015

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2015.04.28 21:40:28 -04'00'



Hermes F. Norero, P.E.
Florida No. 73778



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FL#: **FL11217**
Date: 04/27/2015
Report No: 3598

Manufacturer: Caoba Doors

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

Compliance Method: State Product Approval Method (1)(d)

Product Name: **8'0 Outswing Glazed Mahogany Wood Doors w/ Sidelites & Transom**
(Impact Rated)
174.5" x 97" (Maximum)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Caoba Doors** based on Method 1d of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code.

See Installation Instructions **CAB013**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of **CAB013** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **CAB013** for size and design pressure limitations.

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Quality Assurance:

The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation & Management Institute** (FBC Organization #: QUA1789).

Performance Standards:

The product described herein has been tested per:

- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Certified Testing Laboratories**
Report #: CTLA 1283-W1, Report Date: 06/16/05
Report #: CTLA 1283-W2, Report Date: 06/16/05
Report #: CTLA 1283-W3, Report Date: 06/16/05
Report #: CTLA 1283-W4, Report Date: 06/16/05
Report #: CTLA 1283-W5, Report Date: 06/16/05
Report #: CTLA 1283-W6, Report Date: 06/16/05
Report #: CTLA 1283-W7, Report Date: 06/16/05
Report #: CTLA 2085-W, Report Date: 01/30/12
Report #: CTLA 2085-W2, Report Date: 01/30/12
Report #: CTLA 2085-W3, Report Date: 01/30/12
2. Quality Assurance
National Accreditation & Management Institute
(FBC Organization #: QUA1789)
3. Material Certification
Miami-Dade RER – Product Control Section NOA
Saflex HP Interlayer – Eastman Chemical Co. (Previously by Solutia)

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- Installation:**
1. Approved anchor types and substrates are as follows:
 - A. For two by (2X) wood frame substrate, use **#12 Wood Screw** type wood frame anchors of sufficient length to achieve minimum embedment of 1-1/2" into wood framing.
 - B. For concrete or masonry substrate where wood bucking is NOT employed, use **3/16" ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1-1/4" into concrete or masonry.
 - C. For concrete or masonry substrate where wood bucking is employed, use **3/16" ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1-1/4" into concrete or masonry.

Refer to manufacturer Installation Instructions **CAB013** for anchor spacing and more details of the installation requirements.

Design Pressure:

Configuration	Unit Height	Design Pressures	
		With Surface Bolts	W/O Surface Bolts
X	81"	+65.0/-50.0 PSF	+65.0/-74.0 PSF
	97"	+53.0/-53.0 PSF	+65.0/- 72.0 PSF
XX	81"	+65.0/-50.0 PSF	+65.0/-74.0 PSF
	97"	+53.0/-53.0 PSF	+65.0/- 72.0 PSF
OXO, XO	81"	N/A	+65.0/- 72.0 PSF
	97"	N/A	+65.0/- 72.0 PSF
OXXO	81"	N/A	+65.0/- 72.0 PSF
	97"	N/A	+65.0/- 72.0 PSF
O/X	81"	+53.0/-53.0 PSF	+55.0/-60.6 PSF
	97"	+53.0/-53.0 PSF	+53.0/-53.0 PSF
O/XX	81"	+53.0/-53.0 PSF	+55.0/-60.6 PSF
	97"	+53.0/-53.0 PSF	+53.0/-53.0 PSF