



BUILDING DROPS

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Certificate of Authorization: 29578

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Product Evaluation Report

of

Caoba Doors

Aluminum Clad Vista View Out Folding Wood Doors

With E3 Hardware

for

Florida Product Approval

FL# FL16469

Report No. 5333

Current Florida Building Code

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

Product: *Aluminum Clad Vista View Out Folding Wood Doors with E3 Hardware*
Material: Mahogany (Min. S.G. = 0.42)
Product Dimensions: *Max. 158.531" x 124.281"*

Prepared For:

Caoba Doors
4918 Cedar Avenue
Philadelphia, PA 19143

Prepared by:

Hermes F. Norero, P.E.

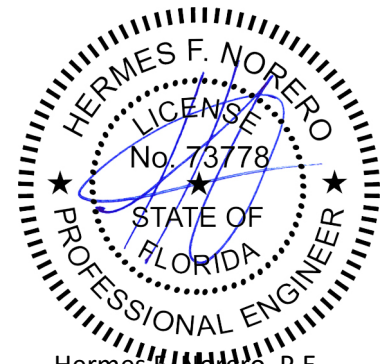
Florida Professional Engineer # 73778

Date: 11/30/17

Contents:

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Digitally signed by Hermes F. Norero, P.E.
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Hermes F. Norero, P.E.
Florida No. 73778



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FL #: **FL16469**

Date: 11/30/2017

Report No: 5333

Manufacturer: Caoba Doors

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

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

Product Name: Aluminum Clad Vista View Out Folding Wood Doors with E3 Hardware
(Impact-HVHZ)
158.531" x 124.281"

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 **CAB040**, 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.
5. Site conditions that deviate from the details of drawing **CAB040** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **CAB040** 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 and Management Institute** (FBC Organization #: QUA 1789).

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 **Element Materials Technology**
(FBC Organization #: TST9778)
Report #: ESP011618P, Report Date: 4/15/13
2. Quality Assurance
National Accreditation and Management Institute
(FBC Organization #: QUA1789)
3. Material Certification
Miami-Dade RER – Product Control Section NOA
SentryGlas Interlayer –E.I. DuPont De Nemours & Co.



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Installation: 1. Approved anchor types and substrates are as follows:

Through Exterior Head Track

- A. For two by (2X) wood frame substrate, use **(2) #12 X 3" Wood Screw** type wood frame anchors per location.
- B. For concrete or masonry substrate where one by (1X), non-structural, wood bucking is employed, or directly to concrete/masonry, use **(2) 3/16" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

Through Interior Head Frame

- A. For two by (2X) wood frame substrate, use **(1) #14 Wood Screw** type wood frame anchors per location of sufficient length to achieve minimum embedment of 1.5" into wood substrate.
- B. For concrete or masonry substrate where one by (1X), non-structural, wood bucking is employed, or directly to concrete/masonry, use **(1) 1/4" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

Through Jamb Frame

- A. For two by (2X) wood frame substrate, use **(2) Min. #8 Wood Screw** type wood frame anchors per location of sufficient length to achieve minimum embedment of 1.5" into wood substrate.
- B. For concrete or masonry substrate where one by (1X), non-structural, wood bucking is employed, or directly to concrete/masonry, use **(2) 3/16" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

Through Sill Track

- A. For two by (2X) wood frame substrate, use **(1) #14 Wood Screw** type wood frame anchors per location of sufficient length to achieve minimum embedment of 1.5" into wood substrate.
- B. For concrete or masonry substrate where one by (1X), non-structural, wood bucking is employed, or directly to concrete/masonry, use **(1) 1/4" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

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Installation Methods:

Refer to Installation Instructions (CAB040) for anchor spacing, selection, location, and more details of the installation requirements.

Design Pressure:

<u>Design Pressures</u>

+55/-55 PSF

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