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Product Evaluation Report

of

**CAOBA Doors
Lift & Slide Door**

for

Florida Product Approval

FL# FL15927

Report No. 5402

Current Florida Building Code

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

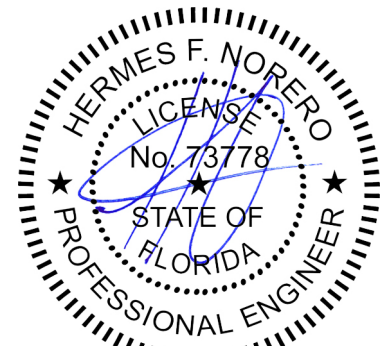
Product: Lift & Slide Door
Material: Wood Mahogany

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

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 12/18/17

Contents:
Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2017.12.18 20:55:47 -05'00'



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



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FL #: **FL15927**
Date: 12/18/2017
Report No: 5402

Manufacturer: CAOBA Doors

Product Category: Exterior Doors

Product Sub-Category: Sliding Exterior Door Assemblies

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

Product Name: Lift & Slide Door

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 **CAB017**, 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 drawing **CAB017** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **CAB017** 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 202-94

Referenced Data:

1. Product Testing performed by **Element Materials Technology**
(FBC Organization # TST9778)
Report #: ESP009606P Date: 09/28/12
Report #: ESP009606P-1 Date: 09/28/12
Report #: ESP009606P-2 Date: 09/28/12
2. Quality Assurance
National Accreditation 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:

- A. For head, jamb, or raised sill installation into two by (2X) wood frame substrate, use **#12 Wood Screws** type wood frame anchors of sufficient length to achieve minimum embedment of 1.50" into wood framing.
- B. For head or jamb installation, directly to concrete or masonry substrate or where one by (1X), non-structural, wood bucking is employed, use **1/4" diameter ITW Tapcons** type concrete/masonry screw anchors of sufficient length to achieve minimum embedment of 1.625" into concrete or masonry.
- C. For raised sill installation directly into concrete substrate or where one by (1X), non-structural, wood bucking is employed, use **1/4" diameter ITW Tapcons** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.625" into concrete.
- D. For flush sill installation directly to concrete substrate or where one by (1X), non-structural, wood bucking is employed, use **3/8" ITW Redhead Trubolt Wedge Anchors** type concrete anchors of sufficient length to achieve minimum embedment of 1.625" into concrete.

Refer to Installation Instructions (**CAB017**) for anchor spacing and more details of the installation requirements.

Design Pressure: +/- 47.5 PSF

Installation Method: Please refer to installation instructions, **CAB017**, for anchor methods, selection, spacing, and further details of installation.