Exclusive Wood Doors, Inc.
1950 N. W. 70th Ave.
Miami, Florida 33126

Scope:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

Description: Series “EWD” Outswing Opaque Wood Doors-L. M. Impact

Approval Document: Drawing No. EXD 004 R6, titled “Outswing Opaque Wood Door”, sheets 1 thru 13 of 13 dated 11/17/10 and last revised on 06/25/14, prepared by CATEGORY 5 Engineering Services, Inc., signed and sealed by Emma T. Mellinger, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

Missile Impact Rating: Large and Small Missile Impact Resistant

Limitations:
1. See double doors Standard Lock options (items #11, 12 & 13) sheets 2, 3 & 4. See multi-point lock option (items #12, 14 & 15) in sheets 3 & 4. See Single door standard Lock option, multi-point lock option and additional 3-point with surface bolts (items #11, 12 & 16) in sheet 5.
2. See raised panel details in sheets 8, 9 & 10.
3. Five cluster anchors at double door astragal required (see elevation sheets 2, 3 & 4). See strike screws note in sheet 12.

Labeling: Each unit shall bear a permanent label with the manufacturer's name or logo, Santa Cruz, Bolivia and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

Renewal of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

Termination of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

Advertisement: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

Inspection: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 15-0413.11 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's parts and sections drawings (submitted under files referenced below)
   2. Drawing No. EXD 004 R6, titled “Outswing Opaque Wood Door”, sheets 1 thru 13 of 13 dated
      11/17/10 and last revised on 06/25/14, prepared by CATEGORY 5 Engineering Services, Inc.,
      signed and sealed by Emma T. Mellinger, P.E.

B. TESTS (submitted under files 15-0413.11 /#13-1224.09 / #10-1220.02)
   1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
      2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
      3) Water Resistance Test, per FBC, TAS 202-94
      4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
      5) Large Missile impact Test per FBC, TAS 201-94
      6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   Along with marked-up drawings and installation diagram of Outswing Opaque Wood doors, prepared
   by Certified Testing Laboratories, Test Report No(s). CTLA 2016W, dated 11/15/10, signed & sealed
   by Ramesh Patel, P.E.
   (These test reports have been revised by an addendum letter dated April 02, 2010, issued by Certified
   Testing Lab, signed & sealed by Ramesh Patel, P.E. Additionally revised raised panel detail marked-up
   by Certified Testing lab dated 06/23/11 has been provided)

C. CALCULATIONS (submitted under files #13-1224.09)
   1. Anchor verification calculations, dated 12/21/13, 05/16/14, 06/06/14 and last revised on 06/12/14,
      prepared by CATEGORY 5 Engineering Services, Inc., signed & sealed by Emma T. Mellinger, P.E.
   2. Glazing complies with ASTM E-1300-02, -04 & 09.

D. QUALITY ASSURANCE
   1. Miami Dade department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS (except item #1, all other items submitted under file # 13-1224.09)
   1. Statement letters of conformance to FBC 2014 (5th Edition) and “No financial interest”, both dated
      03/30/15, signed & sealed by prepared by CATEGORY 5 Engineering Services, Inc., signed and
      sealed by Emma T. Mellinger, P.E.
   2. Statement letter of Successor Engineer adopting as her own the work of another Engineer per FAC
      chapter 61G15-27.001, dated 03/04/14, signed and sealed by Emma T. Mellinger, P.E
   3. Addendum letter dated 04/02/10, issued by Certified Testing Lab, signed by Ramesh Patel, P. E.
   4. Statement of compliance, issued as part of the above referenced test report issued by Certified
      Testing Laboratories.
   5. Distribution Agreement between Importadora y Exportadora Liguria SRL, Bolivia and Exclusive
      Wood Doors, USA, dated 04/02/14, signed by Andres Pucci and Fernando Nisenbaum,
      respectively.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0122.16
Expiration Date: August 11, 2021
Approval Date: March 15, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER
1. This NOA revises NOA # 13-1224.09, expiring 08/11/21.
2. Test proposal # 09-1386 dated 11/19/09, approved by BCCO (submitted under files #13-1224.09 / #10-1220.02)
3. The 2-1/2 mid rail photographic evidence from test video and raised panel detail marked-up drawings dated 06/23/11, issued by Certified Testing. (submitted under files #13-1224.09/#10-1220.02).

2. New Evidence submitted

A. DRAWINGS
1. Drawing No. EXD 004 R6, titled “Outswing Opaque Wood Door”, sheets 1 thru 13 of 13 dated 11/17/10 and last revised on 06/25/14, prepared by CATEGORY 5 Engineering Services, Inc., signed and sealed by Emma T. Mellinger, P.E.

B. TESTS
1. None.

C. CALCULATIONS (submitted under files #13-1224.09)
1. None.

D. QUALITY ASSURANCE
1. Miami Dade department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
1. None.

F. STATEMENTS
1. Statement letters of conformance to FBC 2017 (6th Edition) and “No financial interest”, both dated 01/02/18, signed & sealed by prepared by CATEGORY 5 Engineering Services, Inc., signed and sealed by Emma T. Mellinger, P.E.
2. Distribution Agreement between Importadora y Exportadora Liguria SRL, Bolivia and Exclusive Wood Doors, USA, dated 04/02/14, signed by Andres Pucci and Fernando Nisenbaum, respectively.

G. OTHER
1. This NOA revises NOA # 15-0413.11, expiring 08/11/21.
GENERAL NOTES:
1. The Product Shown Herein is Designed and Manufactured to Comply with the Florida Building Code (FBC), including the High Velocity Hurricane Zone (HVHC) and has been Tested and Evaluated in Accordance with the Following Standards:
   - TAS 201-94
   - TAS 202-94
   - TAS 203-94
2. Adequacy of the Existing Structural Concrete, Masonry, 2" x 4" PT Wood, or Metal Stud Framing as a Main Wind Force Resisting System Capable of Withstanding and Transferring Applied Product Loads to the Foundation is the Responsibility of the Engineer or Architect of Record for the Project of Installation.
3. 1" x 2" x 2" PT Wood Burls [when used] Shall be Designed and Anchored to Properly Transfer all Loads to the Supporting Structure. Built Design and Installation is the Responsibility of the Engineer or Architect of Record for the Project of Installation.
4. The Installation Details Described Herein are Generic and May Not Reflect Actual Conditions for a Specific Site. 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. Non-HVHC Areas Only. All Such Documents Shall Be Reviewed by the Authority Having Jurisdiction.
5. Deviation from This NOA within the HVHC Requires Onsite Approval from Miami-Dade County.
6. An Approved Impact Protective System is Not Required to Protect this Product in Areas Requires Impact Resistance.
7. Allowable Materials for Door Frame and Panels:
   - Brazilian Mahogany (Swietenia macrophylla), min. SR=50.5$
   - Tropical Walnut (Juglans illinoensis), min. SR=50.5$
8. Designation "X" Stands for a Single Operable Panel.
9. Designation "XX" Stands for a Double Operable Panel [One Active, the Other Inactive].
10. Compliance with Egress Requirements of this Door Shall Be Reviewed by the Authority Having Jurisdiction.
11. Custom Sizes and Designs Outside the Scope of this NOA are Available by Request, and Must Follow the Procedures Outlined Above in Notes 4 and 5, as Applicable.

INSTALLATION NOTES:
1. One (1) Installation Anchor Is Required at Each Location Shown, Unless Otherwise Stated.
2. The Anchor Spacing Depicted Is the Minimum Spacing Permitted for Product Installation.
3. Anchors Shall be Installed as Shown in the Appropriate Anchor Layout Drawing (Sheets 2, 3, 4, and 5). Anchors Shall Be Located Either Beneath the Weatherstrip in the Thinner Part of the Jamb, or Through the Thicker Part of the Jamb. Anchors Shall Be Spaced a Minimum of 3" on Center.
4. For Installation into 2" x 2" PT Wood Buck use #14 HILL Kwik-Flex Self-Drilling Screws of Sufficient Length to Achieve 1/2" Minimum Embedment into Wood Substrate, and 3/4" Minimum Edge Distance in Wood.
5. For Installation Through Properly Secured 1" x PT Wood Buck to Concrete or Masonry, Directly Into Concrete or Masonry, use 1/2" Diameter ELCO UltraCon of Sufficient Length to Achieve 1 1/4" Minimum Embedment, and 3/4" Minimum Edge Distance in Substrate.
6. For Installation Through 1/2" steel Stud or 1/2" Minimum Thickness Aluminum Mullen Use #14 HILL Kwik-Inflex Self Drilling Screws of Sufficient Length to Achieve Minimum Penetration of 3 Threads Beyond Metal Structure, and 3/4" Minimum Edge Distance in Metal.
7. Minimum Embedment and Edge Distance Exclude Wall Finishes, such as Stucco, Foam, Brick Veneer, and Siding, etc.
8. Installation Anchors and Associated Hardware Must be Made of Corrosion Resistant Material or Have a Corrosion Resistant Coating.
9. For Groff-filled Blocks, Do Not Install Installation Anchors Into Mortar Joints. Edge Distance Is Measured From Free Edge of Block or Edge of Mortar Joint Into Face Shell of Block.
10. Installation Anchors Shall Be Installed in Accordance With Anchor Manufacturer's Installation Instructions. Anchors Shall Not Be Used in Substrates With Strengths Less Than the Minimum Strength Specified by the Anchor Manufacturer, nor in Substrates With Properties Lower Than the Minimum Specified in No. 12 This Sheet.
11. Hinges Each Hinge Shall be Installed with [4] #12 Wood Screws from Hinge to Frame, and (1) Installation Anchor from Hinge Through Frame Into Substrate With Appropriate Embedment, Edge Distance, and Anchor Type.

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DESIGN PRESSURE RATING

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<td>W/O Wafer Inflation Required</td>
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<tr>
<td></td>
<td>W/O Wafer Inflation Required</td>
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Large and Small Missile Impact Rated

12. Installation Anchor Capacities are Based on Substrate Materials with the Following Properties:
   - Wood: minimum specific gravity of 0.55.
   - Concrete: minimum compressive strength of 2,846 psi.
   - Masonry: conformance to ASTM C-90, Grade 5 or M, net 1.75; min. 1,924 psi, and Grout Conforming to ASTM C-476 with min. Fg = 2,000 psi.
   - Steel: min. yield stress of 33 ksi.
   - Aluminum: min. wall thickness of 0.125 in. (16 ga. or 0.060 in.)
   - Product-Approved Structural Mullen Only

13. All Substrates Shall Be Designed by Others to Adequately Transfer Applied Loads, and Shall Be Reviewed by the Building Official.
Please Note on Sheet 12:
Concerning Strike Plate Anchors

DOUBLE OUTSWING DOOR:
- Square-Top Panel Configuration Shown.
- Other Allowed Configurations are Shown on Sheet 13.
- Either Right-Hand or Left-Hand Active Panel.
- Outswing Only.

SURFACE BOLT DETAIL
Located at Top and Bottom of Each Active and Inactive Panel (interior side of panel)

1.0" Bolt Engagement Into Frame

FLUSH BOLT DETAIL
Located at Top and Bottom of Inactive Panel (at stile edge)
See Details on Sheet 11

CUT-AWAY DETAIL

4.50" Max. from Corner (Typ.)

9.00" Max. O/C (Typ.)

When Installation Substrate Is Grout-Filled CMU, Anchors, Including Cluster Anchors Shall Be Spaced No Closer Than 6" O/C.

Cluster of Five (5) Anchors

Product Revised
According to the Florida Building Code
Registration No. 81-6438-11
Registration Date: 11/30/11
Expiry Date: 12/31/16

Florida State Product Control

ARCHITECTURAL ELEVATIONS and LAYOUTS (1)
DOUBLE OUTSWING DOOR.
- Square-top Panel Configuration Shown.
- Other Allowed Configurations are Shown on Sheet 13.
- Either Right-Hand or Left-Hand Active Panel.
- Outswing Only.

ELEVATION
STANDARD LOCK OPTION

ANCHOR LAYOUT

When Installation Substrate Is Grain-Filled CMU, Anchors, Including Cluster Anchors Shall Be Spaced No Closer Than 4" o/c.

Cluster of Five (5) Anchors

Installation Anchor (see Installation Notes and Applicable Sections on Sheets 6 and 7)

Please See Important Note on Sheet 12 Concerning Strike Plate Anchors

Cluster of Five (5) Anchors

PRODUCT REVISIONS
- As complying with the Florida Building Code
- Acceptance No.: FBC 09-651
- Expiration Date: 6/23/2019

OUTSWING OPAQUE WOOD DOOR
1750 NW 70th Ave., Ste. 125
Ft. Lauderdale, FL 33312

T. MELLON LICENSE
No 50048
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JUN 25 2014
SHALLENGE BUILDING PRODUCTS CORP.
ELEVATION
EXTERIOR VIEW (XX)

DOUBLE OUTSWING DOOR
- Round-Top Panels Configuration Shown.
- Other Allowed Configurations are Shown on Sheet 13.
- Either Right-Hand or Left-Hand Active Panel.
- Outswing Only.

ELEVATION
EXTERIOR VIEW (XX)
MULTI-POINT LOCK OPTION
See Details on Sheet 11, Including Shoot Bolt Engagement

Please See Important Note on Sheet 12 Concerning Strike Plate Anchors

ANNUAL HEAT TREATMENT

EXTERIOR VIEW (XX)

ANCHOR LAYOUT

When Installation Substrate is Grout-Filled CMU, Anchors, Including Cluster Anchors Shall Be Spaced No Closer Than 4" o/c.

Cluster of Five (5) Anchors

Installation Anchor (see Installation Notes and Applicable Sections on Sheets 6 and 7)

Please See Important Note on Sheet 12 Concerning Strike Plate Anchors

Manufacturer's Product Certificate

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 16-0123-14
Expiration Date: 05/14/2014

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 16-1220-07
Expiration Date: 01/16/2016

T. MELLENS
PROFESSIONAL ENGINEER
STATE OF FL
LICENSE No 50649

DRAWING NO.
B30046-10

REVIVATIONS

ELEVATIONS and ANCHOR LAYOUTS (3)

LARGE MISSILE IMPACT RESISTANT

OUTSWING OPAQUE WOOD DOOR
SINGLE OUTSWING DOOR
- Single Square-Top Panel Configuration Shown.
- Other Allowed Configurations are Shown on Sheet 13.
- Either Right-Hand or Left-Hand.
- Outswing Only.

OUTSWING OPAQUE WOOD DOOR 
LARGE MISSILE IMPACT RESISTANT
1550 NW 55th Ave., Margate, FL 33063

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 13-122284
Expiration Date: 12/31/14

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 13-122609
Expiration Date: 12/31/14

Please See Important Note on Sheet 12 Concerning Strike Plate Anchors

Please See Important Note on Sheet 12 Concerning Strike Plate Anchors

When Installation Substrate is Grout-filled CMU, Anchors, Including Cluster Anchors Shall be Spaced No Closer Than 4" o.c.

Install Anchor Plate Installation Notes and Applicable Sections on Sheets 6 and 7

When installing Strike Plate Anchors onto a concrete substrate, please confirm the appropriate anchor type.

Sheet 1 of 2

Sheet 2 of 2
**BILL OF MATERIALS**

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<td>Triflumium</td>
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<td>THREE-PT LOCK For SINGLE DOOR</td>
<td>Hardened Steel</td>
<td>Triflumium</td>
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</tbody>
</table>

**RAISED PANEL**

Mahogany with Plywood Core

NOTE: All "Mahogany" To be one of the following Materials:

1. Mara Macho (Cordyline australis):
   - S.G. = 0.55
   - E.m. = 1.441 ksi
   - MOR = 9,865 psi

2. Tropical Walnut (Caesalpinia coccinea):
   - S.G. = 0.68
   - E.m. = 1.520 ksi
   - MOR = 12,032 psi

Data Referenced from CADEFOR. All s.g. data given at 12% moisture content.

**SURFACE BOLTS**

Stainless Steel

**OUTSWING OPAQUE WOOD DOOR**

LARGE MISSILE IMPACT RESISTANT

**COMPONENTS and BILL OF MATERIALS**

**Drawing Date:** Jun 26, 2014

**STATE OF FLORIDA PROFESSIONAL ENGINEER**
This diagram illustrates various corner sections and panel details for opaque wood door larger missile impact resistant construction. The sections include:

- **Corner Section (L-10)**: Rectangular frame top assembly with 3/8" x 5" wood dowels and 3/8" x 5" Titebond II wood glue.
- **Corner Section (N-10)**: Curved panel top assembly, typical, with 3/8" x 5" wood dowels and 1" x 0.25" corrugated staples.
- **Corner Section (J-10)**: Frame bottom assembly with 3/8" x 5" wood dowels and 1.75" O.A. Raised Panel consisting of 5/8" mahogany and 1/2" plywood.
- **Corner Section (K-10)**: Top/bottom panel assembly, typical, with 3/8" x 5" wood dowels and 0.50" x 0.50" Titebond II wood glue.
- **Panel Detail (M-10)**: Opaque raised panel with 5/8" thickness.

The diagram is marked with various annotations and symbols indicating materials and construction details.
INACTIVE

ACTIVE

HORIZONTAL SECTION
MULTI-POINT LOCK OPTION

R

12

INTERIOR

1

See Panel Detail
(Sheet 10)

EXTERIOR

10

Handset (Active Panel)

15

(Breakplate - 3 Locations)

Handset (Inactive Panel)

10

(Shootbolt - 3 Locations)

15

(Breakplate - 3 Locations)

DOUBLE SHOOTBOLT STRIKE PLATE
Face View

1.938" 4.000" 1.750" 0.438" 0.625"

3.563" 0.969" 0.436" 0.625"

DEADBOLT STRIKE PLATE
Face View

1.125" 2.000" 0.750" 0.438"

SURFACE BOLT STRIKE PLATE
Exploded View

2.250" 1.000" 0.625"

IMPORTANT NOTE CONCERNING STRIKE PLATE INSTALLATION

At each frame-mounted strike plate, whether at the head, the sill, or the lock jamb for a single door, at least one installation anchor of the same size and type as used to anchor the frame shall also secure the strike plate through the frame and embed the required distance into the substrate beneath.

In the case of concrete or masonry substrate, one such anchor shall be so employed.

In the case of wood or metal substrate, two such anchors shall be so employed.

These anchors may be in addition to those called-out for frame installation, or, in cases where spacing considerations allow, anchors may be the same anchors as those called-out for frame installation.

Remaining strike plate screw holes shall be filled with #8 x 3/4" FHWS to secure strike plates to jambs.

OUTSWING OPAQUE WOOD DOOR
LARGE MISSILE IMPACT RESISTANT

1550 NW 7th Ave, Miami, FL 33125

REVISIONS

PRODUCT REVIEWED
as complying with the Florida
Building Code
Approval No.: 16-0521-16
Expiration Date: 5/30/2019

PRODUCT REVIEWED
as complying with the Florida
Building Code
Approval No.: 9-1229/11
Expiration Date: 5/30/2016

PRODUCT REVIEWED
as complying with the Florida
Building Code
Approval No.: 9-1238/09
Expiration Date: 5/30/2015

MIXED USE PRODUCT

© 2014 T. MELLEN
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE No. 50049