Custom Impact Doors, LLC  
3401 N. Federal HWY 207  
Boca Raton, FL 33431  

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: Moderna Series Outswing glazed Wood Doors-L.M.I.  

APPROVAL DOCUMENT: Drawing No. 18-234.1 (former 14-096), titled “Moderna Series Outswing glazed Wood Door”, sheets 1 through 12 of 12, dated July 17, 2018, prepared by PPMF, Inc., signed and sealed by Pedro M. De Figueiredo, 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 sheet 1 for Design Pressure & configurations. See sheets 2 thru 5 for installations.  
2. Partial Raised Wood panel (wood panel per sheets 2, 3 & 4) is limited to max. 25-7/8"W x 45"H.  
3. Min 3ksi concrete required at head/sill installation.  

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Mistik Trade S.A.C., Lima, Peru and series and following statement: "Miami-Dade County Product Control Approved", 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.  

ADVERTISEMETN: 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 & renews NOA #14-0606.00 and consists of this page 1 and evidence pages E-1 and 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 drawings and sections (submitted under files below)
   2. Drawing No. 14-096, series titled “Outswing Wood Doors Glazed Panels – Large & Small Missile Impact Level”, sheets 01 through 12 of 12, dated 09/06/08 with the latest revision dated 10/16/14, prepared by EngCo., Inc., signed and sealed by Pedro De Figueiredo, P. E.

B. TESTS (submitted under files #12-0622.04/#09-0223.03)
   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) Large Missile Impact Test per FBC, TAS 201-94
      5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
      6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
   along with marked-up drawings and installation diagram of Outswing Glazed Wood Doors, prepared by American Test Lab of South Florida, Test Report No. ATLSF 0915.01-06, dated 09/10/08, signed and sealed by William R. Mehner, P. E., and by Henry Hattem, P. E.

C. CALCULATIONS
   1. Anchor Calculations and structural analysis, complying with FBC2014(5th edition), prepared by EngCo Inc., dated 05/19/14, signed and sealed by Pedro De Figueiredo, P.E.
   2. Glazing complies w/ ASTME-1300-02, 0

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

E. MATERIAL CERTIFICATIONS

F. STATEMENTS
   3. Statement of lab compliance, as part of the test report

G. OTHER
   1. This NOA revises #12–0622.04, expiring June 10, 2018.
   2. Distributor Agreement document in conformance to Product Control guidelines signed by Carlos Nieto (Manufacturer) and Mirtha Abad (Distributor).
   3. Test Proposal No. 05-0235R issued by the BCCO, dated 03/09/06, signed by Ishaq Chanda, P. E.

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Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0430.01
Expiration Date: June 10, 2024
Approval Date: August 09, 2018

E - 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted

A. DRAWINGS
1. Drawing No. 18-234.1 (former 14-096), titled “Moderna Series Outswing glazed Wood Door”, sheets 1 through 12 of 12, dated July 17, 2018, prepared by PPMF, Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

B. TESTS
1. None.

C. CALCULATIONS
1. Anchor Calculations and structural analysis, complying with FBC2017(6th edition), prepared by EngCo Inc., dated 04/30/18, signed and sealed by Pedro De Figueiredo, P.E.
2. Glazing complies w/ ASTM E-1300-04 & -09.

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

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 18-0619.01 issued to Polymer Extrusion Laboratory, dba Glasslam for their “Glasslam Safety Plus II ® Glass Interlayer”, expiring on 08/07/23.

F. STATEMENTS
2. Distributor Agreement dated 07-16-18 between Mistik Trade Sac, Peru (manufacturer) and distributor Custom Impact Door, LLC, USA, signed by MS. Mirtha Abad (Manufacturer) and Trasa Valdes (Distributor).

G. OTHER
1. This NOA revises & renews NOA #14-0606.06, expiring 06/10/2024.
2. Department of Florida state, active status listing of Custom Impact Doors, LLC.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0430.01
Expiration Date: June 10, 2024
Approval Date: August 09, 2018
MODEL A - TYPICAL ELEVATIONS

PAIR ELLIPSE DOOR

SINGLE ELLIPSE DOOR

MODEL A - TYPICAL FRAME ANCHORAGE

PAIR ELLIPSE DOOR

SINGLE ELLIPSE DOOR

HARDWARE SCHEDULE

HINGES (18)<5 PER LEAF> 5X5 HAGER BB 1279 ATTACHED TO THE DOOR STILE WITH (4)
#12X1-1/4 PFHS AND ATTACHED TO THE JAMB WITH (4) #10X1-1/4 PFHS

LOCK ACTIVE SASH (19): WLF TRILUMINOS 3500 SERIES FIVE POINT LOCK SYSTEM, W/ 1"
THROW AT TOP AND BOTTOM. LOCK SYSTEM WAS FASTENED TO LOCK STILE WITH (1)
#10X1-1/2 PFHS. DOUBLE STRIKE PLATE LOCATED ON FRAME HEAD & STILL SECURED BY (5)
#6X1-1/4 PFHS EACH LOCK INSTALLED WITH (1) WLF ECLIPSE HANDLE ON BOTH SIDES WITH
42-1/4" FROM KEYHOLE TO BOTTOM RAIL.

INACTIVE STILE (20): WLF TRILUMINOS 3000 SERIES TWO POINT LOCK SYSTEM, W/ 1"
THROW AT TOP AND BOTTOM. LOCATED AT 42-1/4" TO BEAD BOLT FROM BOTTOM RAIL WITH
(1) WLF ECLIPSE HANDLE ON BOTH SIDES OF THE LOCK STILE. LOCK SYSTEM WAS FASTENED
TO LOCK STILE WITH (2) #10X1-1/2 PFHS. LOCATED AT 8-1/4" FROM DOOR TOP AND
BOTTOM RAILS AND (9) #10X2-1/4 PFHS. (3) STRIKE PLATES ON THE INACTIVE DOOR
ASTRAL 15°, 24-1/4, 53-1/4" FROM THE BOTTOM RAIL FASTENED WITH (3)
#10X2-1/4 PFHS EACH.

HINGE NOTE
HINGES QUANTITY CAN BE REDUCED FROM 5 TO 4 PER LEAF
FOR DOORS WITH
MAXIMUM 98 3/4" FRAME HEIGHT
AND MAXIMUM #70 PSF PRESSURE
MODEL C - TYPICAL ELEVATIONS

MODEL C - TYPICAL FRAME ANCHORAGE

HARDWARE SCHEDULE

Hinges (18): (5 per leaf) 5x3 Hager BB 1279 attached to the door stile with (4) 1/2x1-1/4" PHWS and attaches to the jamb with (2) 1x0x2-1/4" PHWS & (2) 1/2x1-1/4" PHWS.

Lock active sash (19): Waf Trillennial 3500 Series five point lock system, w/ 1" throw at top and bottom. Lock system was fastened to lock stile with (1) Waf Eclipse handle on both sides of the lock stile. Lock system was fastened to lock stile with (2) 1x0x1-1/2" PHWS, located at 2-1/4" from door top and bottom rails and (3) #0-0-1-1/4" PHWS. (3) strike plates on the inactive door astragal located 14-1/2", 38-3/4", 90" from the bottom rail fastened with (3) #8-1-1/4 PHWS each.

HINGE NOTE
Hinges quantity can be reduced from 5 to 4 per leaf for doors with maximum 97 1/2" frame height and maximum 70 psf pressure.
MODEL C1 - TYPICAL ELEVATION

MODEL C1 TYPICAL FRAME ANCHORAGE

NOTE: PARTIAL RAISED PANEL LIMITED TO MAXIMUM 36' DOOR PANEL

MODEL C1
48" SINGLE SWING-OUT DOOR
SINGLE DOOR (MAX. 48" X 119 7/8")
DESIGNED LOADS
PD = +70 PSF, -70 PSF

HINGE NOTE
HINGES QUANTITY CAN BE REDUCED FROM 5 TO 4 PER LEAF FOR DOORS WITH MAXIMUM 97 1/2' FRAME HEIGHT AND MAXIMUM 170 PSF PRESSURE

HARDWARE SCHEDULE
HINGES (18): (5 - SQUARE OR 6 ARCH) 5X5 ROCKY MOUNTAIN HINGE ATTACHED TO THE DOOR STILE WITH (4) #12X1-1/4" PPHW2 AND ATTACHED TO THE JAMB WITH (2) #10X2-3/4" PPHWS & (2) #10X1-1/4" PPHWS. THIS HINGE CAN BE USED AS AN ALTERNATE TO HAGER HINGES ON MODELS A, B AND C DOORS.

LOCK ACTIVE SASH (19): WLF TRILIUMN SERIES 3500 SERIES FIVE POINT LOCK SYSTEM, W/ 1' THROW AT TOP AND BOTTOM. LOCK SYSTEM WAS FASTENED TO LOCK STILE WITH (11) #10X1-1/8" PPHWS. LOCK INSTALLED WITH (1) WLF ECLIPSE HANDLE ON BOTH SIDES WITH 42-1/4" FROM KEYHOLE TO BOTTOM RAIL.
(3) STRIKE PLATES ON THE FRAME JAMB LOCATED 15-18", 39-3/8", 98-5/8" FROM THE STILE FASTENED WITH (3) #10-1-1/2" PPHWS EACH.
(2) STRIKE PLATES ONE AT SILL AND ONE AT HEAD.
PART #12 STEEL BAR REINFORCEMENT TOP & BOTTOM RAILS SECURED BY #10X3 PFHWs LOCATED 1-1/2" FROM ENDS AND SPACED AT 4 1/2" OC

SEE CLADDING OPTIONS ON SHEET 9

WATER DIVERTER SET ON DOW 995 OR 1199 SILICONE
PART #13 ON SINGLE DOORS
SECURED BY (5) 1-1/2" FINISHED NAILS,
7/8" FROM LOCK STILE AND APPROX. 12" OC
PART #9 ON PAIR DOORS
SECURED BY (5) 1-1/2" FINISHED NAILS,
3" FROM END AND APPROX. 8" OC

STEEL THROW BOLT 1" INSIDE HEADER/SILL

SEE CLADDING OPTIONS ON SHEET 9

SEE SHEET 8 FOR FRAMING ANCHORAGE
WEATHER STRIPPING

PAIR DOORS:
G-LDN GEZD-250 (1) ROW AT DOOR HINGE STILE AND TOP AND BOTTOM RAILS.
G-LDN GEBD-650 (1) ROW AT THE FRAME HEADER, STILL AND JAMBS AND AT INACTIVE DOOR ASTRAGAL.
GWS-B (U-90) (1) ROW AT THE ACTIVE AND INACTIVE DOOR ASTRAGALS.
SCHIEGEL G-LDN CORNER SEAL AT EACH SILL CORNER.

SINGLE DOORS (G-LDN)
GEZD-250 (1) ROW AT DOOR HINGE AND LOCK STILES AND TOP AND BOTTOM RAILS.
GEBD-875 (1) ROW AT THE FRAME SILL.
GEBD-650 (1) ROW AT THE FRAME HEADER, SILL AND JAMBS.
SCHIEGEL G-LDN CORNER SEAL AT EACH SILL CORNER.
FRAMING ANCHORAGE

HEADER ANCHORAGE

ANCHORAGE TYPE A, B, C, D, OR E
QUANTITY AND SPACING AS PER ELEVATIONS ON SHEETS 2, 3, 4, OR 5

EXTERIOR

CONT. BEAD OF ALL PURPOSE ADHESIVE CAULKING POLYSEAM SEAL

USE SHEET 6 FOR REFERENCE

3

JAMB ANCHORAGE

4

MAX. 1/4" SHIM

5

EXTerior

MAX. 1/4" SHIM

SILL ANCHORAGE

CONT. BEAD OF ALL PURPOSE ADHESIVE CAULKING POLYSEAM SEAL

USE SHEET 6 FOR REFERENCE

2

ANCHOR NOTES:
A- INTO 2X WOOD BUCK OR WOOD STRUCTURES (D<0.55):		#10 WOOD SCREWS WITH 1 1/2" PENETRATION
3/4" MIN. EDGE DISTANCE

B- INTO 2X WOOD BUCK OR WOOD STRUCTURES (D<0.55):		1/4" DIA TAPEDNS WITH 1 1/2" PENETRATION
1" MIN. EDGE DISTANCE

C- DIRECTLY INTO MASONRY (AT JAMBS ONLY)			1/4" DIA TAPEDNS WITH 1 1/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

D- DIRECTLY INTO CONCRETE (MIN. 3192 PSI)			1/4" DIA TAPEDNS WITH 3/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

E- INTO MIN. 1/8" METAL STRUCTURES, ASTM A36 STEEL OR 6063-75 ALUMINUM
1/4" DIA GRADE 5 SELF DRILLING SCREWS
1/2" MIN. EDGE DISTANCE
CLADDING OPTIONS

1/2" MAHOGANY WOOD LAMINATED TO 3/4" PLY WITH GORILLA GLUE

1-3/4" WOOD PANEL SET ON DOW 1199 SILICONE AND SECURED BY 2 1/4" FINISHED NAILS STARTING 5" FROM BOTTOM RAIL AND 3" FROM STILES AND SPACED AT 2 3/4" DC

PANEL STOP SET ON DOW 1199 SILICONE AND SECURED BY 2 1/4" FINISHED NAILS STARTING 5" FROM BOTTOM RAIL AND 3" FROM STILES AND SPACED AT 2 3/4" DC

2-1/4" WOOD PANEL OR 1/2" MAHOGANY WOOD LAMINATED TO 3/4" PLY WITH GORILLA GLUE SET ON DOW 1199 SILICONE AND SECURED BY 2 1/4" FINISHED NAILS STARTING 5" FROM BOTTOM RAIL AND 3" FROM STILES AND SPACED AT 2 3/4" DC

9/16' LAMINATED IMPACT GLASS SAME AS ABOVE

FINISHED NAILS NOTE:
7d (0.072") x 2 1/4" FINISHED NAIL TYPE 1 STYLE 14 (ASTM F667 NL FH 3-06)
SASH PANEL OPTIONS

GEOMETRIC FORMS

ELLiptical Panel
1/2 Arch Panel
FULL Arch Panel
Square Panel

INSERT CONFIGURATIONS FORMS

1 Glass 4 Panels Combo
1 Glass 1 Panel Combo
FULL Glass

NOTES:
1- INSERT CONFIGURATIONS CAN BE USED FOR ALL GEOMETRIC FORM OPTIONS ABOVE
2- MAXIMUM DOOR LEAF PANEL SIZES ARE LIMITED BY THE SPECIFIED MAXIMUM OPENING IN THIS APPROVAL
3- CUSTOM DESIGN PANELS CAN BE ACCOMPLISHED BY OVERLAYING MOLDINGS AND CARVING OVER A SOLID PANEL.

FULL ARCH SASH ASSEMBLY

MODEL B
DOOR HEADER RAIL

(4) DOWELS
3/8" DIAM X
2-3/4" LONG

GORILLA GLUE

INTERM. VERT. STILE

INTERM. RAIL

GORILLA GLUE

GORILLA GLUE

HINGE STILES

PPMF Inc.
ENGINEERING SERVICES - CA 33549
9715 W. BROWARD BLVD. 247
PLANTATION, FL 33324
PPMF@ACL.COM

Engineer Seal
Pedro De Figueredo - PE 52609

MIAMI-DADE BCCD:

DATE: 07/14/2018
SCALE: NA
DESIGN BY: PPMF

SHEET 10 OF 12
DRAWING #: 18-234.1
TYPICAL SASH ASSEMBLY

(3) TOP RAIL

(11) INTERM. RAIL

(4) BOTTOM RAIL

STILES AND RAILS ARE JOINT TOGETHER WITH TENON AND GORILLA GLUE

(3, 10) VERTICAL STILES

TYPICAL CORNER FRAMING CONSTRUCTION

(3) #10X2 3/8" PFH WOOD SCREWS

GORILLA GLUE AT ALL JOINTS

GORILLA GLUE AT ALL JOINTS
DOOR COMPONENTS

1- DOOR FRAMING HEADER AND JAMBS
SOLID OR LAMINATED MAHOGANY

2- DOOR FRAMING SILL
SOLID OR LAMINATED MAHOGANY

3- DOOR SASH
TOP RAIL AND HINGE STILES
SOLID OR LAMINATED MAHOGANY

4- DOOR SASH BOTTOM RAIL
SOLID OR LAMINATED MAHOGANY

5- GLAZING STOP MATERIAL
MAHOGANY

6- WOOD PANEL STOP
SOLID MAHOGANY

6A- WOOD PANEL STOP
SOLID OAK

7- EXTERIOR DOOR ASTRAGAL
SOLID MAHOGANY

8- INTERIOR DOOR ASTRAGAL
SOLID MAHOGANY

9- BOTTOM RAIL WATER DIVERTER
SOLID MAHOGANY

10- DOOR SASH MEETING STILES
SOLID OR LAMINATED MAHOGANY

11- MID RAIL
SOLID OR LAMINATED MAHOGANY

12- STEEL REINFORCEMENT
ASTM A36

13- BOTTOM RAIL WATER DIVERTER
SOLID MAHOGANY

MANUFACTURER:
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E-MAIL: 프로필도어스@email.com

PRODUCT:
OUTSWING GLAZED
WOOD DOORS
MODERN SERIES
LARGE & SMALL MUSCLE
IMPACT LEVEL

PINO M. DE FIGUEREDO
No. 52609
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PPMF Inc.
ENGINEERING SERVICES - CA 64569
9715 W. BROWARD BLVD, 247
PLANTATION, FL 33324
PPMF@ACL.COM

DATE: 07/4/2018
SCALE: NA
DESIGN BY: PPMF

SHEET 12 OF 12
DRAWING #: 10-234.1