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 600 Aluminum Outswing Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No. W12-08 Rev E, titled “Series 600 Alum Outswing Entrance Door (L.M.I.)”, sheets 1 through 9 of 9 (inclusive 7.1), prepared by AL-Farooq Corporation, dated 02/13/12 and last revised on MAR 15, 2018, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Renewal 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 Limitation:
1. See Single or Double Door Design Pressure (DP) ratings in sheet 2. See Single or Double Door DP ratings with sidelites (w/wo Reinforcement) and Standalone Single sidelite rating in sheet 3. The max door leaf width shall not to exceed 37”. See locking options 1 & 2 in sheet 7.1.
2. Laminated glass types G1 and G2 are limited to Kurarary’s .090” Trofisol PVB and glass type G3 is limited to Insulated laminated glass w/ Eastman Chemical’s .090” Saflex interlayer.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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.

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 renews NOA #18-0319.13 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.
ECO Windows Systems, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's die drawings and sections (see below)
   2. Drawing No. W12-08 Rev C, titled “Series 600 Alum Outswing Entrance Door (L.M.I.)”, sheets 1 through 9 of 9 (inclusive 7.1), prepared by AL-Farlooq Corporation, dated 02/13/12 and last revised on SEP 04, 2015, signed and sealed by Javad Ahmad, P.E.

B. TESTS (submitted under file #12-0402.03)
   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 an aluminum Outswing French door, prepared by Hurricane Engineering & Testing, Inc., Test Report No. HETI-12-3357, HETI-12-3358, HETI-12-4003, HETI-12-4003 and HETI-12-4027 dated 03/16-26/12, all signed and sealed by Rafael E. Droz-Seda, P. E.

   Note: The above referenced test reports have been revised by an addendum letter dated June 29, 2012, issued by Hurricane Engineering & Testing, Inc., signed and sealed by Rafael E. Droz-Seda, P. E.

C. CALCULATIONS
   1. Anchor verification calculations and structural analysis, complying with FBC-2014 (5th Edition), prepared by Al Farooq Corporation, dated June 02, 2015, signed and sealed by Javad Ahmad, P.E.
   2. Glazing complies w/ ASTME-1300-02, -04 & -09.

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 11-0624.01 issued to Kuraray America, Inc. (Former E.I. DuPont DeNemours & Co., Inc. for the “Butacite ® PVB interlayer”, expiring on 12/11/16.
   2. Notice of Acceptance No. 12-1231.10 issued to Eastman Chemical Company (MA) (former Solutia, Inc.) for the “Saflex: Saflex Clear & Color glass interlayer”, expiring on 05/21/16.
   3. XL Edge seal System 201 SS spacer by Cardinal IG.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2014 (5th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 06/02/15, signed and sealed by Javad Ahmad, P.E.
   2. Addendum letter dated June 29, 2012, issued by Hurricane Engineering & Testing, Inc., signed and sealed by Rafael E. Droz-Seda, P. E.
   3. Lab compliance as part of the above referenced test report.

G. OTHER
   1. This NOA revives NOA #15-0603.13, expiring 03/20/19.
   2. Test proposal, dated 10/14/11 and 02-21-12 approved by PERA.

Ishq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 18-1220.11
Expiration Date: March 20, 2024
Approval Date: January 17, 2019
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approvals.

A. DRAWINGS
1. Drawing No. W12-08 Rev E, titled “Series 600 Alum Outswing Entrance Door (L.M.I.)”, sheets 1 through 9 of 9 (inclusive 7.1), prepared by AL-Farooq Corporation, dated 02/13/12 and last revised on MAR 15, 2018, signed and sealed by Java Ahmad, P.E.

B. TESTS
1. None.

C. CALCULATIONS
1. Anchor verification calculations complying with FBC2017 (6th Edition), prepared by Al Farooq Corporation, dated OCT 31, 2017 and last revised on MAR 13, 2018, signed and sealed by Javad Ahmad, P.E.(submitted under file #17-1102.18)

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

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours) for the “Trofossil® (Clear & Ultra clear) PVB Glass Interlayers”, expiring on 07/08/19.
2. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) for their “Saflex Clear & Color Glass Interlayer”, expiring on 05/21/21.

F. STATEMENTS

G. OTHER
1. This NOA revises NOA #17-1218.15, expiring 03/02/2019.

1. New Evidence submitted.

A. DRAWINGS
1. Drawing No. W12-08 Rev E, titled “Series 600 Alum Outswing Entrance Door (L.M.I.)”, sheets 1 through 9 of 9 (inclusive 7.1), prepared by AL-Farooq Corporation, dated 02/13/12 and last revised on MAR 15, 2018, signed and sealed by Java Ahmad, P.E.

B. TESTS
1. None.

C. CALCULATIONS
1. None

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

E. MATERIAL CERTIFICATIONS
1. None.

F. STATEMENTS (submitted under file # 18-0319.13)
1. Statement letter of conformance to FBC 6th Edition (2017) and of no financial interest, prepared by Al Farooq Corporation, dated 10/04/17, signed and sealed by Javad Ahmad, P.E.

G. OTHER
1. This NOA renews NOA #18-0319.13, expiring 03/02/2024.

Ishfaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 18-1220.11
Expiration Date: March 20, 2024
Approval Date: January 17, 2019

E-2
SERIES 600
ALUMINUM OUTSWING ENTRANCE DOOR

SINGLE (X) AND DOUBLE (XX) LEAF DOORS SEE SHEET 2.
STAND ALONE SINGLE SIDELITE SEE SHEET 3.
SINGLE AND DOUBLE LEAF DOORS WITH SIDELITES SEE SHEET 3.
LOWER VALUES FROM SIDELITE CAPACITY CHART OR DOOR CAPACITY WILL APPLY TO ENTIRE SYSTEM.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFLATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

18" OR 28" WOOD BUCKS & BRUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECDING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFLATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.
DOORS LOAD CAPACITY - PSF
SINGLE DOORS (X)

<table>
<thead>
<tr>
<th>DOOR DIMS</th>
<th>LAMINATED GLASS</th>
</tr>
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<tbody>
<tr>
<td>FRAME WIDTH</td>
<td>LEAF WIDTH</td>
</tr>
<tr>
<td>39 3/4&quot;</td>
<td>37&quot;</td>
</tr>
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</table>

GLASS D.L.O. DIMS:
D.L.O. HEIGHT = FRAME HEIGHT - 11.125"
D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 12.813"
D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 22.125")/2

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

NOTE:
CONCEPT REQUIREMENTS TO BE REVIEWED
BY BUILDING OFFICIAL.
NOTE:

FOR DOORS CAPACITIES SEE SHEET 2.

FOR SIDELITE CAPACITIES SEE CHART ABOVE.
LOWER VALUES FROM DOOR OR SIDELITE CHART WILL APPLY TO ENTIRE SYSTEM.

GOLD D.O.G. DIMS:

D.O.G. HEIGHT (SIDELITE) = FRAME HEIGHT - 11.000"
D.O.G. WIDTH (SIDELITE) = FRAME WIDTH - 4.438"

MAX. UNIT TESTED FRAME AREA NOT TO EXCEED 100.72 SQ. FT. PER FBC 2014

NOTE:

GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219
18Y OR 28Y WOOD BUCKS AND METAL STRUCTURE NOT BY ECO WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY "ECO" (Fm=177 KSI, Fy=105 KSI)

INTO 28Y WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 18Y BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)

1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (GRADE 3 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR

INTO METAL STRUCTURES (HEAD/JAMBS)

(3) THREADS MIN. PENETrATION BEYOND SUBSTRATE

ALUMINUM: 1/8" THK. MIN. (6023-75 MIN.)

STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)

(THEAT IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**TYPICAL EDGE DISTANCE**

INTO CONCRETE AND MASONRY = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3-1/4" MIN.

WOOD AT HEAD OR JAMBS 5G = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS Fm = 3000 PSI MIN.

C-60 HOLLOW/FILLED BLOCK AT JAMBS Fm = 2000 PSI MIN.
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<th>PART #</th>
<th>REQD.</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<td>EPDM</td>
<td>AT 6&quot; FROM EACH END, DIAMETER 8045</td>
</tr>
</tbody>
</table>

**SEALANTS:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE MOREHEAD JM5504 SEALANT.

---

**Product Description**

Be complying with the Florida Building Code

Acceptance No. 10-1224-11

Expiration Date 5-1-2014

Signed By: [Signature]

[Product Council]

---

**Drawing No.**

W12-08

**Sheet No.**

7 of 9
LOCKS:

OPTION #1

ACTIVE LEAF:
4 POINT LOCK ASSEMBLY DU01-6007 BY 'INTERLOCK USA INC.'
(2) LOCKING POINTS ENGAGING AT INACTIVE LEAF AT STRIKE PLATE
1/2" DAH. THROW BOLT (1) AT TOP ENGAGING FRAME HEAD
AND (1) AT BOTTOM ENGAGING FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK HANDLE LOCATED AT 42-1/2" FROM BOTTOM

INACTIVE LEAF:
2 POINT LOCK ASSEMBLY BY 'INTERLOCK USA INC.'
1/2" DAH. THROW BOLTS AT TOP AND BOTTOM ENGAGING FRAME
HEAD AND FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK LOCATED AT 42-1/2" FROM BOTTOM

OPTION #2

ACTIVE LEAF:
CONVENTIONAL DOOR LOCKSET WITH HANDLE
DELTAS690 BY "NYKSET" LOCATED AT 39-1/4" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR THROW BOLT LOCATED AT 44-3/4" FROM BOTTOM
CONCEALED FLUSH BOLTS BY "SULLIVAN & ASSOC."
1/2" x 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON STYLE FACE
LOCATED AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STYLE WITH (2) #8-32 x 1/2" FH MS

INACTIVE LEAF:
CONCEALED FLUSH BOLTS BY "SULLIVAN & ASSOC."
1/2" x 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE
OF LEAF STILE LOCATED AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STYLE WITH (2) #8-32 x 1/2" FH MS

HINGES:

3-1/2" x 7-5/8" x .122" THK. EXTRUDED ALUM HINGE
PART #FD-107 BY SULLIVAN & ASSOC.
3 HINGES PER LEAF
BOTTOM HINGE AT 10-1/4" FROM BOTTOM
TOP HINGE AT 11-3/4" FROM TOP
CENTER HINGE AT MIDSPAN (38" D.C. MAX.)
HINGES FASTENED WITH #10 x 1" FH SMS
(5) SCREWS AT HINGE STILE
(6) SCREWS AT FRAME JAMB