NOTICE OF ACCEPTANCE (NOA)

ES Windows, LLC
3550 NW 49th Street
Miami, FL 33142

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 “EL300” Aluminum Outswing Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. W17-59, titled “ES-EL300 Aluminum Outswing Door (L.M.I.)", sheets 1 through 12 of 12, dated 06/26/17, with revision A dated 07/21/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer’s name or logo, Baranquilla, Columbia, S.A., series, and the 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 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 Jorge M. Plasencia, P.E.

NOA No. 16-0617.03
Expiration Date: January 04, 2023
Approval Date: January 04, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. NEW EVIDENCE SUBMITTED
A. DRAWINGS
   1. Manufacturer's die drawings and sections.
   2. Drawing No. W17-59, titled "ES-EL300 Aluminum Outswing Door (L.M.I.)", sheets 1 through 12 of 12, dated 06/20/17, with revision A dated 07/21/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS
   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, and TAS 202-94
      6) Large Missile Impact Test per FBC, TAS 201-94
      7) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of an aluminum outswing door, prepared by Blackwater Testing, Inc., Test Report No. BT-ESW-17-008, dated 06/15/17, signed and sealed by Constantin Bortes, P.E. with Letter of Clarification issued on 08/03/17, signed and sealed by Constantin Bortes, P.E.

C. CALCULATIONS
   2. Glazing complies with ASTM E1300-09.

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. for their "Trosifol® Ultracear, Clear and Color PVF Glass Interlayers" dated 01/19/17, expiring on 07/08/19.
   2. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their "Sentry Glas® (Clear and White) Glass Interlayer" dated 06/25/15, expiring on 07/04/18.
   3. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Co. (MA) for their "Saflex Clear and Color Glass Interlayers" dated 09/07/17, expiring on 05/21/21.
   4. Notice of Acceptance No. 17-0712.03 issued to Eastman Chemical Co. (MA) for their "Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 09/07/17, expiring on 12/11/18.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 16-0617.03
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F. STATEMENTS
2. Distributor Agreement, signed by Carlos Garcia and by Evelyn Daeus.
3. Laboratory compliance statement for Test Report No. BT-ESW-17-008, issued by Blackwater Testing, Inc., dated 06/15/17, signed and sealed by Dennis Duffy, CEO.
4. Proposal No. 16-1477 issued by the Product Control Section, dated 11/23/16, signed by Ishaq Chanda, P.E.

G. OTHERS
1. None.

Jorge M. Plassencia, P.E.
Product Control Unit Supervisor
NOA No. 16-0617.03
Expiration Date: January 04, 2023
Approval Date: January 04, 2018
 THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

ES-01300
ALUMINUM OUTSWING ENTRANCE DOOR

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH OR WITHOUT SIDELITES.
SIDE LITES CAN BE ON ONE OR BOTH SIDES OF DOOR.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
189 OR 289 WIND BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ACCURATELY 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-COMPRRESSIBLE. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL/ALUMINUM Screens, THAT COME INTO CONTACT WITH OTHER DISKULAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014/2017 FLORIDA BUILD CODE AND ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERALLY AND DO NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THE PRODUCT, ADEQUACY OF STRUCTURE RESISTING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

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

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLOCK HEIGHT, MIN ZONE USING APPLICABLE ASCE 7 STANDARDS.

STEP 2 FOR SINGLE (X) AND DOUBLE (XX) DOOR CAPACITIES SEE SHEET 2.

STEP 3 FOR SIDELITE PANEL (A) CAPACITY SEE SHEET 3.

STEP 4 FOR SIDELITE COMBINATION WITH DOOR SEE MILLION CAPACITY CHART ON SHEET 4.

STEP 5 THE LOWEST VALUE RESULTING FROM STEPS 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM.

GLAZING OPTIONS

GLASS TYPE "A"
7/16" OVERALL LAM. GLASS

GLASS TYPE "A1"
1-1/16" OVERALL INSUL. LAM. GLASS

NOTE: EXTERIOR LITE OF GLASS TYPE "A1" TO BE TEMPERED FOR INSTALLATIONS ABOVE 30 FT. O.F. GRADE.

3/8" AIR SPACE EXISTING OPT.
SPACE:
"HELM" LOW PROFILE ALUMINUM SPACER BY "LAGERHART GMBH"
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOW CORNING 791
GE 2000

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 16-0617.03
Expiration Date 01/04/2023
By
Miami-Dade Product Control

LIC 27 2017
TYPICAL ELEVATION

SINGLE DOORS LOAD CAPACITY - PB

<table>
<thead>
<tr>
<th>FRAME</th>
<th>LEAF</th>
<th>THRESHOLD TYPES</th>
<th>EX(-)</th>
<th>INT(-)</th>
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<td>36'-7/8&quot;</td>
<td>96&quot;</td>
<td>STD</td>
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<td>93-5/8&quot;</td>
<td>AQA</td>
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TYPICAL ELEVATION

DOUBLET DOORS LOAD CAPACITY - PB

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<td>35'-5/16&quot;</td>
<td>93-5/8&quot;</td>
<td>AQA</td>
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NOTE:
CLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-06 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219
**Design Load Capacity - PSF**

<table>
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<th>Sidelite Width (IN)</th>
<th>Frame Height (IN)</th>
<th>Unreinforced</th>
<th>Reinforced</th>
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<tr>
<td>36</td>
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<td>35.2</td>
<td>50.8</td>
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**Approved Configurations**

- Door to Sidelite Mullion
- Door to Door Mullion

**Note:**

For doors capacity see Sheet 2.
For sidelite capacities see Sheet 3.
For sidelite mullion capacity see chart above.
Lower values from doors, sidelite, door/sidelite or door/door mullion chart will apply to entire system.

**Product Revised**

as complying with the Florida Building Code
NQA-No. 16-0617.03
Expiration Date 01/04/2023

By
Miami-Dade Product Control
WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: See Elev. For Spacing

1/4" DB. ULTRACON BY 'FLOOR' (F = 177 KSI, Fy = 155 KSI)

INWood BUCKS OR WOOD STRUCTURES
1-1/2" W Min. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU WOOD BUCKS INTO CONC. OR BLOCKS
1-3/4" W MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" W MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR GROUT FILLED BLOCKS
1-3/4" W MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" W MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

1/4" Dia. TekS or Self Drilling Screws (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (70 = 36 KSI MIN.)
(STEEL 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 = 3/4" MIN.

W17-59

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No._16-0617.03
Expiration Date 01/04/2023
By
Miami-Dade Product Control
<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART #</th>
<th>REQ.</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>MANUF./SUPPLIER/REMARKS</th>
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<td>E1</td>
<td>ES-EL300-001</td>
<td>3</td>
<td>FRAME HEAD/AMB</td>
<td>6063-T6</td>
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<td>FRAME SILL (STD.)</td>
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</table>

**LOCKS:**

**ACTIVE LEAF:**

SURFACE MOUNT 3 POINT MORTISE LOCK SYSTEM BY "INTERLOK USA"
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
LEVER TYPE HANDLE AT 43-1/8" FROM BOTTOM
ACTIVATES SHOT BOLTS ENGAGING 3/4" MIN. AT HEAD AND SILL
FASTENED WITH (2) #10 X 3/4" FH SMS

**INACTIVE LEAF:**

SURFACE MOUNT 2 POINT LOCK SYSTEM
BY "INTERLOK USA"
LEVER TYPE HANDLE AT 43-5/8" FROM BOTTOM
ACTIVATES SHOT BOLTS ENGAGING 3/4" MIN. AT HEAD AND SILL
FASTENED WITH (2) #10 X 3/4" FH SMS

**HINGES:**

4-1/2" LONG FLUSH MOUNT STEEL BUT HINGES BY "HAGBY"
FASTENED WITH 1-24 X 1/2" FH MACHINE SCREWS
FOUR PER HINGE (48)"
TOP AND BOTTOM HINGES AT 7-7/8" FROM EACH END
(1) HINGE REGD. AT MUXFOR AT 62" HIGH DOORS WITH STANDARD THRESHOLD ONLY.
ALL OTHER DOORS TO HAVE INTERMEDIATE HINGES AT 26-3/8" O.C. MAX.

**SEALANTS:**

ALL FRAME AND LEAF JOINTS AND SEAMS SEALED WITH DOW CORNING 791 SILICONE.

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**PRODUCT REVISED**
as complying with the Florida Building Code
NDA-No. 16-0617.03
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By Miami-Dade Product Control
DOOR/SIDELITE FRAME
TOP CORNER

DOOR FRAME
BOTTOM CORNER

DOOR/SIDELITE FRAME
BOTTOM CORNER

DOOR LEAF CORNER
SIDELITE PANEL CORNER

PRODUCT REVISED
as complying with the Florida Building Code
NDA-No. 16-0017.03
Expiration Date 01/04/2023

By
Maurice R. Batts, Product Control