NOTICE OF ACCEPTANCE (NOA)

US Aluminum – Division of CR Laurence Company, Inc.
7500 N.W. 69 Avenue
Miami, FL 33166

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.


APPROVAL DOCUMENT: Drawing No. W04-72, titled “Series ‘BAL-350’ Alum. Out-Swing Door (L.M.I.)”, sheets 1 through 5 of 5, dated 08/13/04, with revision “F” dated 07/19/18, prepared by Al-Faroq Corporation, signed and sealed by Javad Ahmad, 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

LABELING: Each unit shall bear a permanent label with the manufacturer’s name or logo, city, state, model/series, 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 revised and renews NOA# 15-0915.04 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Sifang Zhao, P.E.

NOA No. 18-0116.08
Expiration Date: September 27, 2023
Approval Date: September 27, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's
   A. DRAWINGS
      1. Manufacturer's die drawings and sections. (Submitted under NOA No. 05-0110.01)
      2. Drawing No. W04–72, titled “Series 'BAL-350' Alum. Out-Swing Door (L.M.I)'”,
         sheets 1 through 5 of 5, dated 08/13/04, with revision “D” dated 08/21/15, 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 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 alum. inswing entrance
         doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5047
         dated 11/09/06, signed and sealed by Edmundo J. Largaespada, P.E.
         (Submitted under NOA No. 08-0618.04)
      2. 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 alum. outswing & inswing
         entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No.
         FTL-4320, dated 09/15/04 and FTL-4263, dated 07/20/04, both signed and sealed by
         Edmundo J. Largaespada, P.E. (Submitted under NOA No. 05-0110.01)
   C. CALCULATIONS
      1. Anchor verification calculations and structural analysis, complying with FBC–2014,
         prepared by Al-Farooq Corporation, dated 09/10/15, signed and sealed by Javad
         Ahmad, P.E.
      2. Glazing complies with ASTM E1300-09.
   D. QUALITY ASSURANCE
      1. Miami-Dade Department of Regulatory and Economic Resources (RER).
   E. MATERIAL CERTIFICATIONS
      1. NOA No. 14-0423.15 issued to Eastman Chemical Company (MA) for their “Saflex
         CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core” dated
         06/19/14, expiring on 12/11/18.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-0116.08
Expiration Date: September 27, 2023
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F. STATEMENTS
1. Statement letter of conformance, complying with FBC-2014, and of no financial interest, issued by Al-Farooq Corporation, dated 08/20/15, signed and sealed by Javad Ahmad, P.E.
2. Letter issued by Al-Farooq Corporation, requesting a 1-year extension to allow time to perform verification test, dated 03/24/16, signed by Javad Ahmad, P.E., Chief Engineer. (Submitted under NOA No. 15-0915.04)
3. Testing agreement letter, dated 02/03/15 between Architectural Testing, Inc. / Intertek and C.R. Laurence Co., issued by Architectural Testing, Inc. / Intertek and signed by Jarod S. Hardman, Laboratory Manager. (Submitted under NOA No. 15-0303.01)

G. OTHERS
1. NOA No. 15-0303.01, issued to US Aluminum - Division of CR Laurence Company, Inc. for their Series “BAL-350” Single Outswing Aluminum Entrance Door - L.M.I., approved on 05/28/15 and expiring on 03/24/16.

2. NEW EVIDENCE SUBMITTED
A. DRAWINGS
1. Drawing No. W04-72, titled “Series ‘BAL-350’ Alum. Out-Swing Door (L.M.I.)”, sheets 1 through 5 of 5, dated 08/13/04, with revision “F” dated 07/19/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS
1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of aluminum outswing door, Test Report No. G7769.01-303-18 R4 prepared by Intertek with issue date 10/10/17 and revision date 06/06/18, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC-2017, prepared by Al-Farooq Corporation, dated 09/10/15, signed and sealed by Javad Ahmad, P.E.

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

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-0116.08
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS
1. NOA No. 17-0712.05 issued to Eastman Chemical Company (MA) for their “Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core” dated 09/07/17, expiring on 05/21/21.
2. NOA No. 17-1114.14 issued to Kuraray America, Inc. for their “Trosifol® Ultraclear, Clear, and Color PVB Interlayers” dated 01/19/17, expiring on 07/08/19.

F. STATEMENTS
1. Statement letter of conformance, complying with FBC-2017, and of no financial interest, issued by Al-Farooq Corporation, dated 11/09/17, signed and sealed by Javad Ahmad, P.E.

G. OTHERS
1. Notice of Acceptance No. 15-0915.04, issued to US Aluminum - Division of CR Laurence Company, Inc. for their Series “BAL-350” Outswing Aluminum Entrance Door - L.M.I., approved on 03/31/16 and expiring on 03/24/17.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-0116.08
Expiration Date: September 27, 2023
Approval Date: September 27, 2018
BALCONY DOOR CAN BE USED WITH TRANSOM AND SIDELITES. FOR LIMITATIONS SEE SEPARATE MIAMI-DADE COUNTY NOA.

NOTE:
GLASS CapacITIES ON THIS SHEET ARE BASED ON ASTM 1130-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

SERIES BAL-350
ALUMINUM OUT-SWING ENTRANCE DOOR

This product has been designed and tested to comply with the requirements of the 2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

BY OR 2BY WOOD BUCKS & BUCK 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 RECEIVING 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.
WOOD BUCKS AND METAL STRUCTURES NOT BY US ALUMINUM MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4"DIA. ULTRACON BY 'ELOC' (Fy=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU 1BY 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
1-3/8" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/8" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE ALUMINUM: 1/8" THK. MIN. (6063-75 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS Fc = 3000 PSI MIN.
C-80 HOLLOW/FILLED BLOCK AT JAMBS Fm = 2000 PSI MIN.

SEALANTS:
FRAME CORNERS, ASSEMBLY SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH SEALER.
LEAF JOINTS SEALED WITH SILICONE.

LOCK:
THREE POINT LOCK SYSTEM WITH SURFACE MOUNT HANDLE AT 44-1/2" FROM BOTTOM.
DEAD BOLT LOCK KEY OPERATED ON EXTERIOR AND THUMBTURN ON INTERIOR, AT 46" FROM BOTTOM.
<table>
<thead>
<tr>
<th>Item #</th>
<th>Part #</th>
<th>Required</th>
<th>Description</th>
<th>Material</th>
<th>Manuf./Supplier/Remarks</th>
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<tr>
<td>1</td>
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<td>FRAME HEAD</td>
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<tr>
<td>2</td>
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<td>3</td>
<td>DLD-122</td>
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<td>4</td>
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<td>6063–16</td>
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<td>5</td>
<td>DLD-107M</td>
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<td>LEAF TOP RAIL</td>
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<tr>
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<td>7</td>
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<td>9</td>
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<td>BCE-460</td>
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<td>1/4</td>
<td>DOOR STOP HEAD</td>
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<td>13</td>
<td>BCE-475</td>
<td>AS REQ'D.</td>
<td>FLAT FILLER, 2-1/2&quot; LONG</td>
<td>6063–16</td>
<td>AT ANCHOR LOCATIONS</td>
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<td>14</td>
<td>DLD-3</td>
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<td>DLD-3</td>
<td>SHEAR BLOCK, 4-11/16&quot; LONG</td>
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<td>ULTRAFAB BASE DUR 90, BULB DUR 73</td>
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<td>SETTING BLOCK</td>
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<td>21</td>
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<td>2/4</td>
<td>LITE SETTING BLOCKS AT 1/4 POINTS</td>
<td>EPDM DURAGUARD 8007 Shore A</td>
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<td>22</td>
<td>–</td>
<td>4/4</td>
<td>BUTT HINGES (4-1/2&quot; X 4&quot;)</td>
<td>HAGER USA</td>
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<td>FRAME ASSEMBLY SCREWS</td>
<td>F.H. SWS</td>
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**Legend:**
- **Concrete Grout:**
- **Typical Anchors:**
- **See Elev. for Spacing:**
- **Shim:**
- **D.L. OPG:**
- **Leaf Width:**
- **Exterior:**
- **Metal Structures:**
- **Typical Anchors:**
- **See Elev. for Spacing:**
- **Shim Space:**
- **Typical Anchors:**
- **See Elev. for Spacing:**

**Product Revised:**
Product complying with the Florida Building Code
Approval No.
Expiration Date: 12/31/2003
18-0016-08
By Miami Door Product Control