SIW Solution, LLC
975 S. Congress Ave. # 102
Delray Beach, Florida 33445

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 “500-10” Single Aluminum Outswing Doors w/wo Sidelite

APPROVAL DOCUMENT: Drawing No. W14-02 Rev D, titled “Series 500-10 Alum Outswing Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 02-31-13 and last revised on JAN 08, 2019, prepared by Al-Farooq 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

Limitations:
1. See DP tables for X in sheets 2, O and O/X or XO (door w/wo Reinforcing & w/ Sidelight) in sheet 3. Lower DP from door w/Sidelite or Reinforcing or ADA threshold or 4” Bottom Rail may control.
2. Max Sidelite mulled with door in sheet 3, shall not exceed = 38”.
3. Glass lites wider than 36” shall have two setting blocks per FBC requirements.

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 revises NOA # 18-0116.12 (former SIW Impact Window, LLC) consists of this page 1 and evidence pages E-1, E-2, & E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 19-0131.13
Expiration Date: May 22, 2023
Approval Date: February 21, 2019
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's die drawings and sections.
   2. Drawing No. W14-02 Rev B, titled “Series 500-10 Alum Outswing Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 02-05-14 and last revised on Jul 31, 2014, 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) 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
   Note: The test reports #BT-SIW-13-010(2) and #BT-SIW-13-011(2) have been revised by an addendum letter dated 05/09/14, issued by Black Water Testing Inc., signed and sealed by Yamil Kuri, P.E.
   2. Additional Reference 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 installation diagram of aluminum Outswing doors w/o sidelite and transom, prepared by Black Water Testing Inc., Test reports #BT-SIW-13-001 and BT-SIW-13-006 dated June 10, 2013 and December 11, 2013, both signed and sealed by Yamil Kuri, P.E.
   Note: The above test reports have been revised by an addendum letter dated 05/09/14, issued by Black Water Testing Inc., signed and sealed by Yamil Kuri, P.E.
   3. Additional Reference 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 installation diagram of aluminum Inswing / Outswing doors w/o sidelite and transom, prepared by Hurricane Engineering and Testing, Test Report No. HETI 07-4339, HETI 07-4371, HETI 07-4371, HETI 07-4372, HETI 07-4373 and HETI 07-4374 dated 01/03/08, HETI-08-2184A & B dated 10/01/08, HETI 09-2572A, HETI 09-2573 dated June 30, 2009, all signed and sealed by Candido Font, P.E.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0131.13
Expiration Date: May 22, 2023
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C. CALCULATIONS
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. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their “DuPont Sentry Glass® interlayer”, expiring on 01/14/17.

F. STATEMENTS
1. Statement letter of conformance to FBC 2014 (5th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 07/11/14, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test reports.
3. Addendum letter dated 05/09/14 ref #BT-SIW-13-010(2) and BT-SIW-13-011(2), issued by Black Water Testing Inc., signed and sealed by Yamil Kuri, P.E
5. Addendum letter ref HETI-07-4374 dated May 06, 2008, issued by HETI, signed and sealed by Candido Font, P.E.

G. OTHER
1. Ref NOA(s) # 13-0220.06 & #14-0305.06.
2. Test proposal dated 08/13/13, approved by RER
3. Test proposal dated 05/23/13, approved by RER.


A. DRAWINGS
1. Drawing No. W14-02 Rev C, titled “Series 500-10 Alum Outswing Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 02-05-14 and last revised on JAN 08, 2018, prepared by Al Farooq Corporation, 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 JAN 08, 2018, signed and sealed by Javad Ahmad, P.E.

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

Isfaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0131.13
Expiration Date: May 22, 2023
Approval Date: February 21, 2019

E - 2
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (Former E.I. DuPont
      DE Nemours & Co., Inc. for the “Sentry Glass ® (Clear and White) Glass Interlayers”,
      expiring on 07/04/23.

F. STATEMENTS
   1. Letter of conformance to FBC 2017 (6th edition) and No Financial interest dated NOV 07,
      2017, prepared by Al Farooq Corporation, signed and sealed by Java Ahmad, P.E.

G. OTHER
   1. This NOA revises & renews NOA #14-0305.08, expiring 05/22/2023.


A. DRAWINGS
   1. Drawing No. W14-02 Rev D, titled “Series 500-10 Alum Outswing Entrance Door (L.M.I.)”,
      sheets 1 through 10 of 10, dated 02-31-13 and last revised on JAN 08, 2019, prepared by Al-
      Farooq Corporation, signed and sealed by Javad 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. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (Former E.I. DuPont
      DE Nemours & Co., Inc. for the “Sentry Glass ® (Clear and White) Glass Interlayers”,
      expiring on 07/04/23.

F. STATEMENTS (submitted under file #18-0116.12)
   1. Letter of conformance to FBC 2017 (6th edition) and No Financial interest dated NOV 07,
      2017, prepared by Al Farooq Corporation, signed and sealed by Java Ahmad, P.E.
   2. Statement letter dated DEC 28, 2019, issued by SIW Impact Window, LLC that it has sold all
      assets of Exhibit “A” NOA(s), equipment’s, accessories and “Know how” and No longer
      manufacture the products and request to rescind the Exhibit “A” NOA(s), signed by Abdiel
      Lopez, Manager.
   3. Statement letter dated DEC 30, 2019, issued by SIW Solution, LLC that it has purchased all
      assets of Exhibit “A” NOA(s), equipment’s, accessories and “Know how” and request Name
      change of the Exhibit ”A” NOA(s) , signed by Steven A. Tourek, Secretary.

G. OTHER
   1. This NOA #18-0116.12 (former SIW Impact Window, LLC), expiring 05/22/2023.
   2. Bill of sale dated DEC 28, 2018 between SIW Impact Window (Seller) and SIW Solution, LLC,
      (purchaser), signed by respective company’s representative, Abdiel Lopez, Manager and Steven A.
      Tourek, Secretary.
   3. Division of corporation listing of SIW LLC, as active status.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0131.13
Expiration Date: May 22, 2023
Approval Date: February 21, 2019

E - 3
THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

SERIES 500-10
ALUMINUM OUTSWING ENTRANCE DOOR

APPROVAL APPLIES TO SINGLE (1) DOORS WITH OR WITHOUT SIDELITE.
SEE SHEET 2 FOR SINGLE DOORS DESIGN LOAD CAPACITIES.
SEE SHEET 3 FOR SINGLE STATIONARY PANEL LOAD CAPACITY AND SIDELITE CONFIGURATIONS.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
SEE SHEET 4 FOR LIMITATIONS.

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).

1BY 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 MANU'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 DISSEMINAL 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 INFILTRATION RESISTANCE, ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.
DOORS LOAD CAPACITY - PSF
SINGLE DOORS (X)

Door D.O.M.S.

Door D.O.M.S.

D.O.M. Height = Frame Height = 15.875"
D.O.M. Width (X Doors) = Frame Width = 12.625"

D.O.M. Height = Frame Height = 15.313"
D.O.M. Width (X Doors) = Frame Width = 12.625"

DOORS USING 4" HIGH PANEL BOTTOM RAIL (SW502) TO BE LIMITED TO ±50 PSF
SEE SHEET 4 FOR EXT.(+) LOAD LIMITATIONS.

NOTE:
VERIFY COMPLIANCE WITH EXCESS LIMITATIONS WHERE REQUIRED.
WOOD BUCKS AND METAL STRUCTURE NOT BY 'SW SOLUTIONS' 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 'FLCO' (Fy=177 KSI, Fc=155 KSI)
MIN. LENGTH (HEAD/SILL) = 2-3/4"
MIN. LENGTH (JAMBS) = 3-3/4"

INTO 28" WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU 18" BUCKS INTO CONC. OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD)
1-1/4" MIN. EMBED INTO CONC. OR BLOCKS (JAMBS)

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

1/8" DIA. TENS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 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 SQ = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS Fc = 3000 PSI MIN.
C-90 HOLLOW-FILLED BLOCK AT JAMBS Fm = 2000 PSI MIN.

ANCHORS MAY BE HEX OR FLAT HEAD.

DOOR DETAILS
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<th>ITEM #</th>
<th>PART #</th>
<th>QTY</th>
<th>DESCRIPTION</th>
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<td>2-LITE SETTING BLOCK</td>
<td>EPDM</td>
<td>DUOMETER 5545 SHORE A</td>
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**LOCK OPTIONS:**

**OPTION #1:**

3 POINT LOCK ASSEMBLY (W18055) BY 'ADAMS RITE' WITH 4015 THROW BOLT AT 36" FROM BOTTOM FLUSH BOLTS CONNECTED TO LOCK KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR AND ENGAGING FRAME AT HEAD AND SILL.

**OPTION #2:**

SENTINEL MULTIPONT LOCK BY 'ASHLAND' WITH THROW BOLT AT 30-1/2" FROM BOTTOM FLUSH BOLTS CONNECTED TO LOCK KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR AND ENGAGING FRAME AT HEAD AND SILL.

**HINGES:**

4" x 4" ST. STEEL BUTT HINGES (DSB448B OR S44H0)

AT 1-3" FROM TOP AND BOTTOM ENDS AND 21-1/2" O.C. MAX.

HINGE ATTACHED TO DOOR FRAME AND DOOR STILE USING (4) #12 x 1-1/2" PH MS

5 HINGES PER LEAF

**SEALANTS:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SMALL JOINTER SEALER.