COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

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 “S-800-10 ” Aluminum Out folding Doors - LMI

APPROVAL DOCUMENT: Drawing No. W16-48 Rev B, titled “Series 800-10 Alum Out folding Bi-Fold Door (L.M.I.)”, sheets 1 through 11 of 11, dated OCT 11, 2017 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. Door is rated for water infiltration with Std bottom track (SIW802) item #2, is not rated for water infiltration with low profile bottom track(SIW 804) item #2A, unless overhang complying per FBC is provided or system is used where water infiltration is not required.
2. 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 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 #16-0628.07 consists of this page 1 and evidence page 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. 19-0131.16
Expiration Date: April 02, 2020
Approval Date: February 28, 2019
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

I. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's die drawings and sections
   2. Drawing No. **W14-18 Rev C**, titled “Series 800 Alum Out folding Bi-Fold Door (L.M.I.)”, sheets 1 through 15 of 15, dated 04-10-14 and last revised on MAR 26th, 2015, 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 (See Sill details in sheet 8)  
      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 Out folding doors, prepared by Black Water Testing Inc., Test reports # **BT-SIW-14-014 (1), (2), (3), (4) and (5)**, dated March 19, 2014, all signed and sealed by Yamil Kuri, P.E.

Note: The test reports #**BT-SIW-14-014 (3), (4) & (5)** have been revised by an addendum letter dated 11/25/14, issued by Black Water Testing Inc., signed and sealed by Yamil Kuri, P.E. and have hardware & additional Extrusion Dwgs issued by Black Water Testing Lab dated JAN 07, 2015.

C. CALCULATIONS
   1. Anchor verification calculations complying with FBC 2014 (5th edition), prepared by Al-Farooq Corporation, dated AUG 21, 2014, DEC 17, 2014 and last revised on JAN 19, 2015, signed and sealed by Javad Ahmad, P.E.
   2. Glazing complies w/ ASTME-1300-04 & -09

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite ® PVB interlayer**", expiring on 12/11/16.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2014 (5th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 08/20/14, signed and sealed by Javad Ahmad, P.E.
   2. Lab compliance as part of the above referenced test reports.
   3. Addendum letter dated 11/25/14, along technical cut sheets of hardware and extrusion Die drawings for test report # **BT-SIW-14-014 (3), (4) & (5)**, issued by Black Water Testing Inc., signed and sealed by Yamil Kuri, P.E.

G. OTHER
   1. Test proposal dated 08/27/13, signed by Jaime D. Gascon, P.E.

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Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 19-0131.16
Expiration Date: April 02, 2020
Approval Date: February 28, 2019

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E - 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's die drawings and sections

B. TESTS (submitted under file #16-0628.07)
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 (See sheet 2, 3 &4)
   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 Out folding doors, prepared by Black Water Testing Inc., Test reports # BT-SIW-16-001A & BT-SIW-16-001B, dated May 18, 2016, all signed and sealed by Yamil G. Kuri, P.E.

C. CALCULATIONS
2. Glazing complies w/ ASTM E-1300-04 & -09

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

H. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 16-1117.01 issued to Kurary America (former E.I. DuPont DeNemours & Co., Inc.) for their “Trofisil Ultra clear, clear & color PVB glass interlayer (formerly known as Kuraray Butacite ® PVB interlayer”, expiring on 07/08/19.

I. STATEMENTS

G. OTHER
1. This NOA revises NOA #14-0909.13, expiring 04/02/2020.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 19-0131.16
Expiration Date: April 02, 2020
Approval Date: February 28, 2019
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. New Evidence submitted

A. DRAWINGS
1. Drawing No. W16-48 Rev B, titled “Series 800-10 Alum Out folding Bi-Fold Door (L.M.I.)”, sheets 1 through 11 of 11, dated OCT 11, 2017 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. 16-1117.01 issued to Kurary America (former E.I. DuPont DeNemours & Co., Inc.) for their “Trofol Ultra clear, clear & color PVB glass interlayer (formerly known as Kuraray Butacite® PVB interlayer”, expiring on 07/08/19.

F. STATEMENTS (submitted under file #16-0628.07)
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 revises NOA #16-0628.07, expiring 04/02/2020.
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 Examiner
NOA No. 19-0131.16
Expiration Date: April 02, 2020
Approval Date: February 28, 2019
SERIES 800-10
ALUMINUM OUTFOLDING BI-FOLD 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).

18y or 28y 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/welded screws that come into contact with other dissimilar materials shall meet the requirements of the 2017 Florida building 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 with standard bottom track (SW802) approved for installations where water infiltration resistance is required.

Doors with low profile bottom track (SW804) not approved for water resistance.

NOTE:
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.
WOOD BUCKS AND METAL STRUCTURE NOT BY 'SWI SOLUTIONS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

**TYPE 'A'**
- **1/4" DIA. ULTRACON BY 'TLCO'** ($f_u = 177$ ksf, $f_y = 155$ ksf)
- **MIN. LENGTH = 3 - 3/4"**
  - DIRECTLY INTO CONC. OR BLOCKS
  - 2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
  - 2" MIN. EMBED INTO BLOCKS (JAMBS)

**TYPE 'A1'**
- **1/4" DIA. ULTRACON BY 'TLCO'** ($f_u = 177$ ksf, $f_y = 155$ ksf)
- **MIN. LENGTH = 5 - 3/4"**
  - THRU 18Y BUCKS INTO CONC. OR BLOCKS
  - 1 - 5/8" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
  - 1 - 1/4" MIN. EMBED INTO BLOCKS (JAMBS)

**TYPE 'B'**
- **#14 SMS (GRADE 2 CRS)**
  - INTO 28Y WOOD BUCKS OR WOOD STRUCTURES
  - 1 - 1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

**TYPE 'B1'**
- **#14 SMS (GRADE 2 CRS)**
  - INTO WOOD STRUCTURES
  - 2" MIN. PENETRATION INTO WOOD (HEAD)

**TYPE 'C'**
- **1/4" DIA. HILTI Kwik-Flex Self Drilling Screws** ($f_u = 120$ ksf, $f_y = 90$ ksf)
  - INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/JAMBS)
  - (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE ALUMINUM: 1/4" THK. MIN. (6063-T5 MIN.)
  - STEEL: 1/8" THK. MIN. ($f_y = 36$ ksf 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 f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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### HEAD ANCHORS (AT MEETING STILE END) LOAD CAPACITY - PSF

<table>
<thead>
<tr>
<th>ANCHOR TYPE</th>
<th>ANCHOR TYPE 'A'</th>
<th>ANCHOR TYPE 'A1'</th>
<th>ANCHOR TYPE 'B'</th>
<th>ANCHOR TYPE 'B1'</th>
<th>ANCHOR TYPE 'C'</th>
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<tbody>
<tr>
<td>MAXIMUM PANEL WIDTH/HEIGHT INCHES</td>
<td>MAXIMUM NUMBER OF PANELS ALLOWED</td>
<td>MAXIMUM LOAD AT WTC., STILE END</td>
<td>MAXIMUM LOAD AT WTC., STILE END</td>
<td>MAXIMUM LOAD AT WTC., STILE END</td>
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**NOTE:**
- CLUSTER OF (4) ANCHORS TYPE 'A' ARE REQUIRED AT MEETING STILE SILL END FOR ALL CASES.

**NOTES:**
- FOR DOOR CAPACITY SEE SHEETS 2 & 3
- FOR ANCHOR CAPACITY SEE CHART ABOVE
- LOWER VALUES FROM DOOR CAPACITY OR ANCHOR CAPACITY CHART WILL APPLY TO ENTIRE SYSTEM.
FOR 6 PANEL CONFIGURATION SEE SHEETS 2 AND 3
<table>
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<tr>
<th>ITEM #</th>
<th>PART #</th>
<th>REQUIRED</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>MANUFACTURER/SUPPLIER/REMARKS</th>
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<td>1</td>
<td>SMB001</td>
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<td>TOP TRACK</td>
<td>6063-T6</td>
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<td>2</td>
<td>SMB02</td>
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<td>SMB09</td>
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<td>BOTTOM RAIL SWEEP ADAPTER</td>
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<td>9</td>
<td>SMB10</td>
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<td>DUOmeter 62 Shore D</td>
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<td>SMB11</td>
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<td>CENTRAL PLASTICS, DUOmeter 67±5 Shore A</td>
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<td>COMPRESSION W/STRIPPING</td>
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<td>POLYPROPYLENE</td>
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<td>ASTRALAD SCREWS PH Teks</td>
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<td>GLASS STOP SCREWS SELF DRILLING</td>
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<td>ST. STEEL</td>
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<td>25</td>
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<td>THREE POINT LOCK</td>
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</table>

**SEALANTS:**

All joints and frame connections sealed with small joint sealer.

**LOCKS:**

See elevations for lock hardware locations.

3 POINT LOCK SYSTEM (DLO1-6014) by INTERLOCK with activating handle at 35-1/2" from bottom fastened to style with (2) #12 x 1-1/2" FH machine screws.

Handle activates dead bolt and shoot bolts engaging at head and sill 1/2" dia. bullet tips shoot bolts connected to lock with 5/16" dia. threaded roods.

2 POINT LOCK SYSTEM (BF01-6501) by INTERLOCK with kW3321NG activating handle (BF01-6514) at 36-1/4" from bottom fastened to style with (2) #10 x 3/4" Teks.

Handle activates shoot bolts engaging at head and sill 1/2" dia. bullet tips shoot bolts connected to lock with 5/16" dia. threaded roods.

1/2" dia. bullet tip locking pins at 20" and 88" from bottom engaging in 5/8" dia. receiving holes with nylon bushing (#2550-HDG) by "MASSOUD & BROS." in opposite panels.
SEE ELEVATIONS FOR HARDWARE LOCATIONS
FRAME TOP CORNER

FRAME BOTTOM CORNER
LOW PROFILE TRACK

FRAME BOTTOM CORNER
STANDARD TRACK