NOTICE OF ACCEPTANCE (NOA)

U. S. Aluminum (FL),
Division of C. R. Laurence Company.
7500 NW 69th Ave
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.

DESCRIPTION: Series “DNS-20” Outswing Aluminum Entrance Door w/wo Transom-NI

APPROVAL DOCUMENT: Drawing N0. W11-06 Rev F, titled “Series DNS-20 Alum Out-swing Entrance Door (NI)”, sheets 1 through 8 of 8, prepared by Al-Farook Corporation, dated 02-24-11 and last revised on May 15, 2018, 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: None: Approved Hurricane Protection Device complying w/ FBC is required.

Limitations:
1. See Single or Double Doors Design Pressure (DP) in sheet 1. See sheet 2 for Design Pressure capacity w/ Transom bar (Horizontal mullion). When single or double doors w/ Transom (O/X or O/XX) used, the lower DP shall control for the entire unit. The doors are not rated for water infiltration, where needed.
2. Door w/wo Transom can be mulled with US Aluminum “DSF-450” Storefront System (under separate NOA), the lower DP shall control from Door, Door w/Transom or the Storefront, for the entire assembly. The mullion tributary load, mullion anchors and installation to be reviewed by Building Official.

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 revises & renews NOA #17-1017.01 (#15-0915.05) and 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 Ishaq I. Chanda, P.E.

NOA No. 18-0116.09
Expiration Date: October 13, 2023
Approval Date: September 27, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's die drawings and sections (submitted under file reference below).
   2. Drawing No. W11-06 Rev D, titled “Series DNS-20 Alum Out-swing Entrance Door (NI)”, sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 02-24-11 and last revised on AUG 01, 2016, signed and sealed by Javad Ahmad, P.E.

B. TESTS (submitted under files #15-0915.05/#11-0415.03)
   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 aluminum outswinging entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. Test Reports No. FTL-4242, dated 08/18/04, signed and sealed by Edmundo Largaespada, P. E.
   Along with marked-up drawings and installation diagram of aluminum outswinging entrance doors, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.(s) HETI-03-1325, dated 03/17/04, signed and sealed by Rafael E. Droz-Seda, P. E.

C. CALCULATIONS
   1. Anchor verification, comparative and structural analysis complying w/ FBC 2014(5th Edition), prepared by AL- Farooq Corporation, dated 11/24/15 and last revised on AUG 01, 2016, signed and sealed by late Javad Ahmad, P.E.

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

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS (Items #4 & #5 submitted under file #11-0415.03)
   1. Statement letter of conformance to FBC 2014(5th Edition) statement of no financial interest, prepared by Al Farooq Corporation, dated 08/12/15, signed and sealed by Javad Ahmad, P.E.
   3. Press Release dated 07/08/11, issued by C. R. Laurence Company, Inc. (CRL) announcing the Acquisition of U.S. Aluminum Company (USAL)Asset purchase agreement between CRL Impact Doors, Inc. and Video Industries, Inc., dated December 17, 2010, signed by Mr. Lloyd W. Talbert and Mr. Jesus Martinez, respectively.

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Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0116.09
Expiration Date: October 13, 2023
Approval Date: September 27, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (continue)
4. Asset purchase agreement between CRL Impact Doors, Inc. and Vidco Industries, Inc., dated December 17, 2010, signed by Mr. Lloyd W. Talbert and Mr. Jesus Martinez, respectively.
5. Delta Doors fictitious name listing by owner Vidco Industries Inc, w/ FL Dept. of State (Sunbitz).
6. Statement letter of Lab compliance, as a part of above referenced test reports.

G. OTHER
1. This NOA renews & revises NOA #11-0415.03, conditionally for one year expiring OCT 13, 2017.
2. Test proposals #15-1955 approved by RER & #02-0472 dated 06/11/03, approved by BCCO.


A. DRAWINGS
1. Drawing No. W11-06 Rev F, titled “Series DNS-20 Alum Out-swing Entrance Door (NI)”, sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 02-24-11 and last revised on May 15, 2018, 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.
Along with marked-up drawings and installation diagram of aluminum outswing entrance doors, prepared by Intertek-ATI, test report # H2845-01-303-18, dated 12/13/17, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC:2017 (6th Edition), prepared by Al Farooq Corporation, dated 12/18/17 and last revised on 05/17/18, 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. None.

F. STATEMENTS
1. Statement letter of conformance to FBC 2017 (6th Edition) and of no financial interest, prepared by Al Farooq Corporation, dated 11/06/17, signed and sealed by Javad Ahmad, P.E.

G. OTHER
1. This NOA conditionally revises & renews NOA #17-1017.01 (#15-0915.05), expiring 10/13/23.
2. Test proposal #15-1955 dated 03/13./15, approved by RER

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0116.09
Expiration Date: October 13, 2023
Approval Date: September 27, 2018
**Design Load Capacity - PSF**

<table>
<thead>
<tr>
<th>Frame Width (X)</th>
<th>Frame Width (X)</th>
<th>Leaf Width (X)</th>
<th>Leaf Height (X)</th>
<th>EXTL (X)</th>
<th>INTL (X)</th>
</tr>
</thead>
<tbody>
<tr>
<td>33 1/2&quot;</td>
<td>63 1/2&quot;</td>
<td>85 1/2&quot;</td>
<td>83</td>
<td>62.3</td>
<td>62.3</td>
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<tr>
<td>39 1/2&quot;</td>
<td>75 1/2&quot;</td>
<td>97 1/2&quot;</td>
<td>95</td>
<td>72.0</td>
<td>68.6</td>
</tr>
</tbody>
</table>

**NOTE:**
Glass capacities on this sheet are based on ASTM E1300-09 (3 sec. gusts) and Florida Building Commission declaratory statement. DOCS-DEC-219

**DNS-20 Aluminum Out-Swing Entrance Door**
See charts above for design load capacity of single (X) and double (XX) doors without transom. For horizontal mullion (transom bar), see horizontal mullion load capacity charts on sheet 2. Lower value resulting from door capacity chart or horizontal mullion capacity charts will apply for doors with transom (X/O or X/XX).

Doors can also be used with "0SF-450" US aluminum storefront system. For outswing doors with storefront system, see separate NOA for door mullion capacity and anchoring requirements. The lowest value resulting from door capacity charts or storefront NOA will apply to entire system. Doors not approved for installations where water infiltration resistance is required.

**Typical Elevations**
- 3 1/2" Max. Head/Sill
- 11" Max. Head/Sill

**Glass D.O. Dims.**
- D.O. Height = Door Frame Height = 10.438"
- D.O. Width (X doors) = Frame Width = 9.375"
- D.O. Width (XX doors) = (Frame Width = 15.25")/2

**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).**

1"BY OR 2"BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADJACENTLY 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 EVENTMENT 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 Product, 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 Not Rated for Impact.**
Installation of this product in the HVHZ area requires the use of approved shutters or external protection devices complying with HVHZ requirements.

Installation of this system outside the HVHZ area shall meet the applicable requirements for wind borne debris protection.

**MONOLITHIC GLASS**
NON-IMPACT
**Design Load Capacity** - PSF

**Single Door Horizontal Mullion (Transom Bar) Without Clip**

**Nominal Dims.**

<table>
<thead>
<tr>
<th>Frame Width</th>
<th>Door Height</th>
<th>Transom Height</th>
<th>Ext. (+)</th>
<th>Int. (-)</th>
</tr>
</thead>
<tbody>
<tr>
<td>33-1/2</td>
<td>97-1/2</td>
<td>23-1/2</td>
<td>51.4</td>
<td>60.0</td>
</tr>
<tr>
<td>39-1/2</td>
<td>97-1/2</td>
<td>23-1/2</td>
<td>51.4</td>
<td>60.0</td>
</tr>
</tbody>
</table>

**Double Door Horizontal Mullion (Transom Bar) With Angle Reinforced Clip**

**Nominal Dims.**

<table>
<thead>
<tr>
<th>Frame Width</th>
<th>Door Height</th>
<th>Transom Height</th>
<th>Ext. (+)</th>
<th>Int. (-)</th>
</tr>
</thead>
<tbody>
<tr>
<td>63-1/2</td>
<td>97-1/2</td>
<td>25-1/2</td>
<td>51.4</td>
<td>60.0</td>
</tr>
<tr>
<td>75-1/2</td>
<td>97-1/2</td>
<td>22-1/2</td>
<td>60.0</td>
<td></td>
</tr>
</tbody>
</table>

**Without Clip**

**With Clip**

**Transom Glass D.L.O. Dims.**

D.L.O. Height = Transom Height - 1.750
D.L.O. Width = Transom Width - 3.750

**Hinges**

3 per leaf

**NOTE:**

For doors capacity see Sheet 1. For horizontal mullion capacity see chart above. Lower values from doors or horizontal mullion chart will apply to entire system.

**Note:**

Glass capacities on this sheet are based on ASTM E1000-09 (3 sec, gusts) and Florida Building Commission Declaratory Statement DCA05-DEC-219.

**Product Revision:**

As complying with the Florida Building Code Acceptance No. 09-FBC-07

**Expiration Date:**

[Month, Year]
WOOD BUCKS AND METAL STRUCTURE NOT BY US ALUMINUM
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 ELCO* (Fy = 177 KSI, Fy = 155 KSI)
INTO WOOD STRUCTURES
2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU 1/B OR 2/B 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
2" MIN. EMBED INTO CONCRETE (HEAD/SILL)
1-1/4" MIN. EMBED INTO CONC. OR BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 ORS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
(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)
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 SO = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS Fc = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.
TRANSOM DETAILS

1 X 1 X 1/8" ALUM ANGLE (11-3/8" LONG) AT HORIZONTAL ENDS REG'D. AT DOUBLE(XX) DOORS ONLY
10 SMS PER LED

MIMI-DADE COUNTY APPROVED
DSS-450 STOREFRONT SYSTEM BY "US ALUMINUM" UNDER SEPARATE APPROVAL.
LOWER VALUES FROM DOOR CAPACITY CHARTS OR
STOREFRONT NOA WILL APPLY TO ENTIRE SYSTEM.
LOCK SINGLE DOORS:
THREE POINT LOCK REIGENT SERIES #2222
THUMB TURN ON INTERIOR AND KEY OPERATED ON EXTERIOR AT 44-1/2" FROM BOTTOM.

LOCK DOUBLE DOORS:
ACTIVE LEAF:
THREE POINT LOCK REIGENT SERIES #2222
THUMB TURN ON INTERIOR AND KEY OPERATED ON EXTERIOR AT 44-1/2" FROM BOTTOM.

INACTIVE LEAF
MANUALLY OPERATED FLUSH BOLTS REIGENT #2502
WITH 3/8" DIA. BOLTS AT 12" FROM TOP AND BOTTOM

HINGES:

OPTION #1:
4-1/2 X 4 X 13/4 THK. TWO PIECE STAINLESS STEEL BUTT HINGES BY HAGER (2) AT 8" FROM TOP AND BOTTOM
(1) AT MIDSPAN OF LEAF AS REQD.

OPTION #2:
CAST ALUMINUM OFFSET PIVOT HINGE SERIES 4309
BY REIGENT
(2) AT TOP AND BOTTOM
(1) AT MIDSPAN OF LEAF AS REQD.

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ITEM # | PART # | QUANTITY | DESCRIPTION       | MATERIAL | MANF./SUPPLIER/REMARKS
--- | --- | --- | --- | --- | ---
1 | BCE-5457 | 1 | TRANSMIT HEAD | 6063-T6 | ---
2 | BCE-5451 | 1 | FRAME HEAD | 6063-T6 | ---
2A | BCE-5453 | 1 | ALT. FRAME HEAD | 6063-T6 | ---
3 | BCE-5450 | 2 | OPEN BACK JAMB | 6063-T6 | ---
4 | BCE-3340 | 1 | THRESHOLD | 6063-T6 | ---
5 | DLD-33 | 1 | LEAF BOTTOM RAIL | 6063-T6 | ---
6 | BCE-452 | AS REQD. | TRANSMIT MULTION | 6063-T6 | ---
7 | DLD-32 | 1 | LEAF TOP RAIL | 6063-T6 | ---
8 | DLD-1 | AS REQD. | HINGE OR PIVOT STY | 6063-T6 | ---
9 | DLD-2 | 2 | 1/2" LEAF FIX STY (INACTIVE PANEL) | 6063-T6 | ---
10 | DLD-10 | 1 | 1/2" LEAF LOCK STY (ACTIVE PANEL) | 6063-T6 | ---
12 | BCE-460 | AS REQD. | DOOR STOP | 6063-T6 | ---
13 | BCE-459 | AS REQD. | GLAZING STOP | 6063-T6 | ---
14 | DLD-6 | AS REQD. | GLASS STOP | 6063-T6 | ---
15 | - | 1/2" DOOR ASTRAGAL FOR SS ONLY | 6063-T6 | ---
16 | BCE-475 | AS REQD. | ANCHOR PLATE, 3" LONG AT ANCHORS | 6063-T6 | ---
18 | - | AS REQD. | GASKET, BULB DUROMETER 67, BASE DUROMETER 90 | SANTOPRENE | ---
19 | 2546B | AS REQD. | GLAZING GASKET, DUROMETER 65+5 | SOFT PVC | WELTPOINT PLASTICS
20 | - | 2 | LITE SETTING BLOCK (DOOR), DUROMETER 90+5 | EPDM | 1/4" X 1/2" X 1" LONG
21 | - | 2 | LITE SETTING BLOCK (TRANSOM), DUROMETER 80+5 | EPDM | 7/16" X 3/4" X 1-7/8" LONG
23 | &10 X 1" | AS REQD. | FRAME ASSEMBLY SCREWS | - | P.H. SME
24 | 12-24 X 1/2" | 4 | HINGE INSTALLATION SCREWS | - | F.H. MACHINE SCREWS
26 | BW-76 | - | BULB WRAPPING, DUROMETER 70+5 | VINYL | 4.444" X .290 T-SLOT
27 | T421-X | - | PILE WITH FIN WEATHERSTRIPPING | ULTRAFAB | ---
29 | DH-4 | - | SHEAR BLOCK | - | ALUMINUM
30 | - | 2 | 3 X 2 X 1/8" ANGLE, 1-3/4" LONG | STEEL | 3" LONG
32 | - | 2 | LEAF FLUSH BOLT GUIDE CHANNEL | STEEL | 1-1/2" X 1/4" X 6" LONG
33 | - | 2 | HINGE | HINGE REINFORCING PLATES | STEEL | ---

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