RC Home Showcase, Inc.
16115 NW 52nd Avenue
Hialeah, FL 33014

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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 RD45 Aluminum Outswing Entrance Door w/wo Transom & Sidelites- L.M.I.

APPROVAL DOCUMENT: Drawing No. W04-37 Rev L, titled “Series RD45 Alum Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 05-09-04 and last revised on MAR 21, 2018, prepared by the AL-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control renewal 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

Limitation:
1. Load bearing shim required.
2. Max 1/4” shim allowed for installation in steel substrate.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 renews NOA # 18-0213.02 consists of this page 1 and evidence page E-1, E-2, E-3 and E-4 as well as approval document mentioned above.

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

NOA No. 18-0517.06
Expiration Date: August 19, 2024
Approval Date: March 21, 2019
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’S

A. DRAWINGS
1. Manufacturer's die drawings and sections.
2. Drawing No. W04-37, titled “Series RD45 Alum Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 05-09-04 and last revised on July 14, 2008, prepared by the AL-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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 and TAS 202-94
2. Additional test report No. FTL-5390 dated 02/18/2008 per TAS 201, 202 and 203-94, issued by Fenestration Testing Lab, signed and sealed by Carlos S. Rionda, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, prepared by AL-Farooq Corporation, dated May 29, 2008 and last revised on July 14, 2008, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Glazing complies w/ASTM E-1300-02

D. QUALITY ASSURANCE

E. MATERIAL CERTIFICATIONS

F. STATEMENTS
1. Statement letter of compliance and “no financial interest”, dated April 29, 2008 signed and sealed by Humayoun Farooq, P.E.
2. Statement of Lab compliance, as part of the above referenced test reports.

G. OTHER
1. This NOA revises NOA # 04-0608.03, issued to RC Aluminum Industries, Inc. expiring on Aug 19, 2009.

Ishâq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 18-0517.06
Expiration Date: August 19, 2024
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’S

A. DRAWINGS
1. Manufacturer’s die drawings and sections.
2. Drawing No. W04–37, titled “Series RD45 Alum. Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 05/09/04 with revision “J” dated 04/18/16, prepared by Al–Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS (Submitted under NOA’s No.’s 04–0608.03 and 08–0613.07)
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
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, and TAS 202–94
along with marked–up drawings and installation diagram of aluminum outswing door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.’s:
1. FTL–5390, dated 02/18/08, signed and sealed by Carlos S. Rionda, P. E. (Submitted under NOA No. 08–0613.07);
2. FTL–4154, dated 03/24/04, FTL–4155, dated 03/30/04 and FTL–4166, dated 03/31/04, all signed and sealed by Edmund Largaespada, P. E. (Submitted under NOA No. 04–0608.03)

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), prepared by Al–Farooq Corporation, dated 09/25/15 revised on 04/18/16, signed and sealed by Javad Ahmad, P. E.
2. Glazing complies with ASTM E1300–04/ 09

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

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their “Butacite® PVB Glass Interlayer” dated 04/25/15, expiring on 12/11/16.

F. STATEMENTS

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 18-0517.06
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F. STATEMENTS (continue)
   2. Name changed to RC HOME SHOWCASE, INC. as registered in the Florida
      Department of State, Division of Corporation, documents dated 10/11/13.
      (Submitted under NOA No. 13–1112.06)
   3. Asset purchase agreement dated 10/01/13, signed by Mr. Manuel A. Kronfle–
      Kozhaya, Mr. Henry F. Kronfle–Kozhaya, Mr. Raul Casares, Mr. Eusebio Paredes and
      Ms. Nancy Vias. (Submitted under NOA No. 13–1112.06)
   4. Statement letter of complying with the Sales of Assets issued by RC Aluminum
      Industries, Inc., dated 10/30/2013, signed by Raul Casares, President.
      (Submitted under previous NOA No. 13–1112.06).
   5. Laboratory compliance letters prepared by Fenestration Testing Laboratory, Inc., for
      following Test Reports No.’s:
      I. FTL–5390, dated 02/18/08, signed and sealed by Carlos S. Rionda, P. E.
         (Submitted under NOA No. 08–0613.07);
      II. FTL–4154, dated 03/24/04, FTL–4155, dated 03/30/04 and FTL–4166, dated
          03/31/04, all signed and sealed by Edmundo Largaespada, P. E.
         (Submitted under NOA No. 04–0608.03)
   6. Proposals issued by Product Control:
      I. No. 07–2426, dated 05/08/07, signed by Ishaq Chanda, P. E.
         (Submitted under NOA No. 08–0613.07)
      II. Dated 07/18/06, signed by Jaime D. Gascon, P. E.
         (Submitted under NOA No. 08–0613.07)
      III. Dated 12/03/03, signed by Jaime D. Gascon, P. E.
         (Submitted under NOA No. 04–0608.03)

G. OTHERS
   1. Notice of Acceptance No. 13–1112.06, issued to R.C. Aluminum Industries, Inc. for
      their Series “RD45 Outswing Aluminum Entrance Door w/ wo transom and
      sidelites – L.M.I.,” approved on 12/26/13 and expiring on 08/19/19.

3. EVIDENCE SUBMITTED PREVIOUSLY

A. DRAWINGS
   1. Drawing No. W04–37, titled “Series RD45 Alum. Entrance Door (L.M.I.)”, sheets 1
      through 10 of 10, dated 05/09/04 with revision “L” dated 03/16/18, prepared by Al–
      Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS
   1. None.

C. CALCULATIONS
   1. Anchor verification calculations and structural analysis, complying with FBC 6th
      Edition (2017), prepared by Al–Farooq Corporation, dated 02/12/18 and revised
      03/21/18, signed and sealed by Javad Ahmad, P. E.

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
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RC Home Showcase, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 17-1114.14 issued to Kuraray America, Inc. for their “Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers” dated 01/18/18, expiring on 07/08/19.

F. STATEMENTS
   1. Statement letter of conformance to FBC 6th Edition (2017) and no financial interests, issued by Al–Farooq Corporation, dated 02/12/18, signed and sealed by Javad Ahmad, P. E.

G. OTHERS
   1. This NOA revises NOA #15-1007.02, expiring on 08/19/19.

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS
   1. Drawing No. W04–37, titled “Series RD45 Alum. Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 05/09/04 with revision “L” dated 03/16/18, prepared by Al–Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS
   1. None.

C. CALCULATIONS (submitted under file #18-0213.02)
   1. None.

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 17-1114.14 issued to Kuraray America, Inc. for their “Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers”, expiring on 07/08/19.

F. STATEMENTS (submitted under file #18-0213.02)

G. OTHERS
   1. This NOA renews NOA #18-0213.02, expiring on 08/19/24.
   2. RER e-mail correspondence dated March 06, 2019 and Manufacturer’s acknowledgement of future verification test with added glazing dated March 08, 2019.

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 18-0517.06
Expiration Date: August 19, 2024
Approval Date: March 21, 2019
SERIES RD45
ALUMINUM OUTSWING ENTRANCE DOOR

SINGLE (X) AND DOUBLE (XX) LEAF DOORS W/O TRANSMIT SEE ABOVE.
SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH TRANSOM SEE SHEET 2.
SINGLE AND DOUBLE LEAF DOORS WITH SIDELITES SEE SHEET 3.
LOWER VALUES FROM SIDELITE CAPACITY CHART OR DOOR CAPACITY WILL APPLY TO ENTIRE SYSTEM.

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).
18" OR 24" WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED LOADS TO THE BUILDING STRUCTURE.
ANCHORS SHALL BE CORROSION RESISTANT, SEALED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCO.
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE NON-METAL, NON-METALIC 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 CODE & ADOPTED STANDARDS.

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(POSITIVE SHOWN ABOVE OR SMALLER) - 80.0 PSF
EXCESS REQUIREMENTS TO BE REVIEWED BY BLDG. OFFICIAL.

PRODUCT REVISED
as complying with the Florida Building Code
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By Miami-Dade Product Control

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA06-DEC-219

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
NOTE:
FOR DOORS CAPACITY SEE SHEET 1
(MAX. DOOR FRAME WIDTH = 75-3/8"
MAX. DOOR FRAME HEIGHT = 97-5/8"
FOR SIDELITE CAPACITIES SEE CHART ABOVE.
LOWER VALUES FROM DOORS OR SIDELITE
CHART WILL APPLY TO ENTIRE SYSTEM.

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as complying with the Florida
Building Code
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By: 
Miami-Dade Product Control
LOCK OPTIONS SINGLE DOORS:

OPTION #1:
3 POINT LOCK SYSTEM BY 'AMESBURY'
WITH SURFACE MOUNT HANDLE AT 36" FROM BOTTOM
AND DEAD BOLT LOCKSET AT 32" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR.

OPTION #2:
3 POINT LOCK SYSTEM BY 'HOPPE'
WITH SURFACE MOUNT HANDLE AT 36" FROM BOTTOM
AND DEAD BOLT LOCKSET AT 32-1/2" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR.

LOCK OPTIONS DOUBLE DOORS:

OPTION #1:
ACTIVE LEAF
3 POINT LOCK SYSTEM BY 'AMESBURY'
WITH SURFACE MOUNT HANDLE AT 36" FROM BOTTOM
AND DEAD BOLT LOCKSET AT 32" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR.

INACTIVE LEAF
2 POINT LOCK SYSTEM BY 'AMESBURY'
SHOOT BOLTS ENGAGING SIMULTANEOUSLY AT HEAD & SILL
SURFACE MOUNT ACTUATING HANDLE AT 36" FROM BOTTOM

OPTION #2:
ACTIVE LEAF
3 POINT LOCK SYSTEM BY 'HOPPE'
WITH SURFACE MOUNT HANDLE AT 36" FROM BOTTOM
AND DEAD BOLT LOCKSET AT 32-1/2" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR.

INACTIVE LEAF
2 POINT LOCK SYSTEM BY 'HOPPE'
SHOOT BOLTS ENGAGING SIMULTANEOUSLY AT HEAD & SILL
SURFACE MOUNT ACTUATING HANDLE AT 36" FROM BOTTOM

GLAZING OPTIONS
WOOD BUCKS AND METAL STRUCTURES NOT BY RC HOME SHOWCASE MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. W.W. CON. III BY "HALT" (Fy = 136 KSI, Fy = 137 KSI)
INTO 28 Y BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU 18 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
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" 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. 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)

CRITICAL 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 5G = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED NORMAL WEIGHT BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:
ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLOURED SILICONE.

PRODUCT REVISED
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DOOR DETAILS
TYPICAL ANCHORS SEE ELEVATIONS FOR SPACING

1/2" MAX.

1/2" MAX.

TYPICAL ANCHORS SEE ELEVATIONS FOR SPACING

TYPICAL ANCHORS SEE ELEVATIONS FOR SPACING

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TYPICAL ANCHORS SEE ELEVATIONS FOR SPACING

#16 2" SELF DRILLING SCREWS AT 4" FROM ENDS AND 12" O.C. WAX.

EXTERIOR

PRODUCT REVISED as complying with the Florida Building Code
NOA-No. 18-0213.02
Expiration Date 08/19/2019

By Miami-Dade Product Control