CGI Windows & Doors, Inc.
10100 N. W. 25th Street
Miami, FL 33172

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 “450” Aluminum Outswing Opaque Doors w/wo Sidelites - Impact

APPROVAL DOCUMENT: Drawing No. W12-22 Rev C, titled “Series 450 Outswing Doors & Sidelites”, sheets 1, 1.1, 1.2, 1.3, 2, 2.1, 2.2, 2.3, 3, 3.1, 4, 5, 6, 7 1 & 7.2 of 7, prepared by Al-Farooq Corporation, dated 05/22/12 and last revised on 09/21/17, 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. Lock 10D or 10F is limited to max 38-9/16 W x 94-7/8 H door
2. Sills (threshold) types SS-1 & SS-2 are not rated for water infiltration. See thresholds (sills) 6.
3. Narrow stile sidelites are limited to 18" or less.
4. The frame are of alternate size must not exceed 125 ft², nor panel tested area and max. panel height.

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 and renews # 14-1103.07 and 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 Jorge M. Plascencia, P.E.

NOA No. 17-1011.14
Expiration Date: October 25, 2022
Approval Date: December 07, 2017
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 files below).
   2. Drawing No. W12-22 Rev B, titled “Series 450 Outswing Doors & Sidelites”, sheets 1, 1.1, 1.2, 1.3, 2, 2.1, 2.2, 2.3, 3, 3.1, 4, 5, 6, 7, 7.1 and 7.2 of 7, prepared by Al-Farooq Corporation, dated 05-22-12 and last revised on SEP 02, 2015, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Submitted under files #12-0706.02)
   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(+50.0 PSF, sill S-I only)
      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 manufacturer’s parts and section drawing marked-up drawings of aluminum out swing / Inswing door w/wo sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. HTL-0080-0304-11 dated 11/28/2011 and HTL-0080-0902-11, signed and sealed by Vinu J. Abraham, P.E.

Note: This test report has been revised by addendum letters, issued by Architectural Testing (Former Hurricane Testing Lab), dated 01/20/12 and 04/03/12, both signed and sealed by Vinu J. Abraham, P.E.

Along with manufacturer’s parts and section drawing marked-up drawings of double aluminum outswing doors, issued by Architectural Testing, Test Report No(s) B-5234.02-450-18 dated 12/19/2011, signed and sealed by Vinu J. Abraham, P.E.

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 manufacturer’s parts and section drawing marked-up drawings of aluminum Out/in swing door w/ sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. HTL-97055 (0080-912-97) dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 4 tested per PA202-94, specimen #4, 5A, 5B, 5C tested per PA201-94 & PA203-94, signed and sealed by Timothy S. Marshall, P.E.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1011.14
Expiration Date: October 25, 2022
Approval Date: December 07, 2017
NOTE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continued):
   Along with manufacturer’s parts and section drawing marked-up drawings of aluminum out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. HTL-01071 (0080-0402-02) dated 04/01/2002 tested per PA201-94 & PA203-94, signed and sealed by Vinu J. Abraham, P.E. (submitted in file # 09-0723.04). Original tests conducted per SFBC, PA 201, 202 & 203-94 now known as FBC, TAS 201, 202 & 203-94.
3. Reference Certified Testing Laboratories test report # CTLA 3056WA, issued to CGI Windows & Door, Inc. pert TAS 201, 202 and 203-94 for specimen #1 thru #30 for laminated PVB glass, insulated PVB laminated glass with Duraseal and super spacers, signed and sealed by Ramesh C. Patel, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC-2014(5th Edition), prepared by Al Farooq Corporation, dated 10/27/14 and last revised on AUG 27, 2015, signed and sealed by Javad Ahmad, P.E.
2. Additional intermediate horizontal mull calculations, prepared by Al Farooq Corporation, dated JUN 29, 2012, signed and sealed by Javad Ahmad, P.E. (Submitted under file # 11-1025.02)

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 2014(5th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 09/30/14, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance and addendum letters, as part of the above referenced test reports.

G. OTHER
1. This NOA revises # 12-0706.02, expiring on 10/25/17.
2. Hardware cut sheets verified and marked-up by the Architectural Testing (former Hurricane Testing lab).
3. Test proposals dated 12/16/14 approved by RER & Test proposal # 10-0940, dated 11/17/10 approved by BNC.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1011.14
Expiration Date: October 25, 2022
Approval Date: December 07, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED
   A. DRAWINGS
      1. Drawing No. W12-22 Rev C, titled "Series 450 Outswing Doors & Sidelites", sheets 1, 1.1, 1.2, 1.3, 2, 2.1, 2.2, 2.3, 3, 4, 4.1, 4.5, 5, 6, 7, 7.1 and 7.2 of 7, prepared by Al-Farooq Corporation, dated 05/22/17 and last revised on 09/21/17, signed and sealed by Javad Ahmad, P.E.

   B. TESTS
      1. None.

   C. CALCULATIONS

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

   E. MATERIAL CERTIFICATIONS
      1. None.

   F. STATEMENTS

   G. OTHERS
      1. This NOA revises and renews NOA # 14-1103.07, expiring on 10/25/17.

   Jorge M. Plasencia, P.E.
   Product Control Unit Supervisor
   NOA No. 17-1011.14
   Expiration Date: October 25, 2022
   Approval Date: December 07, 2017

E - 3
7/16" OVERALL COMPOSITE PANEL

PANEL STOP OPTIONS

- 200 ALUMINUM SHEET
- 1/4" PLYWOOD
- 000 ALUMINUM SHEET

- SILICONE
- GE-1200
- Dow 905
- Dow 999

7/16" OVERALL COMPOSITE PANEL

PANEL STOPS CAN BE SQUARE OR ONEW

SEP 29 2017

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 17-1011.14
Expiration Data 10/25/2022
By
Miami-Dade Product Control

DWG. NO.: W12-22

Windows and Doors, Inc.
10500 Northwest 25th Street, Miami, Florida 33172
product: Series 450 Outswing Doors & Sidelites

date: 05-22-12  sheet: 1 of 7
<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>#12 x 1 1/4&quot; HEX HEAD S/S SMS (3 PER CORNER CONNECTION)</td>
</tr>
<tr>
<td>2A</td>
<td>3/8-16 FULLY THREADED CONTINUOUS ROD</td>
</tr>
<tr>
<td>2B</td>
<td>3/8-16 HEX NUT</td>
</tr>
<tr>
<td>2C</td>
<td>1 1/2&quot; X 1 1/2&quot; X 3/16&quot; THK. ALUMINUM PLATE</td>
</tr>
<tr>
<td>3</td>
<td>SHEAR CLIP (EXT. NO. 506)</td>
</tr>
<tr>
<td>4</td>
<td>DOUBLE 9/32&quot; DIA. JAMB INSTLL. HOLES AT 6&quot; FROM ENDS &amp; 24&quot; O.C. MAX.</td>
</tr>
<tr>
<td>5</td>
<td>9/32&quot; DIA. HEAD &amp; SILL INSTLL. HOLES AT 6&quot; FROM ENDS, 3 @ CENTER OF PAIRS SPACED 6&quot; O.C. &amp; 24&quot; O.C. MAX.</td>
</tr>
<tr>
<td>6</td>
<td>#10 X 1&quot; PH-PH-SS TEKS SCREW, @ 3&quot; &amp; 7&quot; FROM ENDS &amp; 19-3/8&quot; O.C. MAX.</td>
</tr>
<tr>
<td>7</td>
<td>#4 X 3/4&quot; HEX HEAD S/S TEKS SCREW AT 6&quot; FROM ENDS &amp; 24 3/16&quot; O.C. MAX.</td>
</tr>
<tr>
<td>8</td>
<td>.320 HIGH WOOL PILE WITH CENTER FIN (ULTRAFAB # 3032)</td>
</tr>
<tr>
<td>9</td>
<td>.350 HIGH FOAM-TITE WEATHERSEAL (AMESBURY # 32011)</td>
</tr>
<tr>
<td>10</td>
<td>ACTIVE PANEL LOCK OPTIONS (SEE SHEET 1.1 FOR LIMITS)</td>
</tr>
<tr>
<td>10A</td>
<td>CGI CUSTOM 3 POINT LOCK 4503PL, CONSISTING OF (2) CGI CUSTOM END BOLTS (TOP &amp; BOTTOM), ATTACHED WITH #10 X 3/4&quot; PH SMS, (1) CGI CUSTOM INTERIOR LINKAGE MECHANISM, (1) DEADBOLT BY COPPER CREEK SERIES E MODEL D82410.</td>
</tr>
<tr>
<td>10AA</td>
<td>CGI CUSTOM 3 POINT LOCK 4503PL, CONSISTING OF (2) CGI CUSTOM END BOLTS (TOP &amp; BOTTOM), ATTACHED WITH #10 X 3/4&quot; PH SMS, (1) CGI CUSTOM INTERIOR LINKAGE MECHANISM, (1) DEADBOLT BY BALDWIN SERIES 8220, KMKSET 780.</td>
</tr>
<tr>
<td>10B</td>
<td>REGENT COMMERCIAL 2222 THREE POINT LOCK MECHANISM WITH MORTISE LOCK.</td>
</tr>
<tr>
<td>10C</td>
<td>SINGLE POINT LOCK (1) DEADBOLT BY BALDWIN SERIES 8200.</td>
</tr>
<tr>
<td>10CC</td>
<td>SINGLE POINT LOCK (1) DEADBOLT BY COPPER CREEK SERIES D82410.</td>
</tr>
<tr>
<td>10D</td>
<td>DOR-O-MATIC SERIES 1690 TOUCHBAR PANIC EXIT DEVICE WITH CONCEALED VERTICAL ROD SEE SHEET 1.4.</td>
</tr>
<tr>
<td>10E</td>
<td>JACKSON 20 SERIES PANIC EXIT WITH 2085/2086 CONCEALED VERTICAL ROD EXIT DEVICE SEE SHEET 1.4.</td>
</tr>
<tr>
<td>10F</td>
<td>CGI CUSTOM SURFACE MOUNTED SLIDE BOLTS WITH CGI END BOLTS AT ACTIVE LEAF (AT TOP &amp; BOTTOM) WITH BALDWIN SERIES 8220 DEAD BOLT.</td>
</tr>
</tbody>
</table>

HAGER 4 1/2" X 4" HINGE IN SOLID BRASS OR STAINLESS STEEL CGI 4-1/2" X 4" HINGE IN ALUMINUM SECURED WITH (8) #12-24 X 1/2" F.H. M.S. (3 PER PANEL UP TO 7'-6" 3/4" HIGH) (4 PER PANEL OVER 7'-6" 3/4")

CGI FLUSHBOLT AT TOP & BOTTOM OF INACTIVE LEAF, HOUSING ATTACHED TO PANEL STILE WITH #10 X 3/4" PH SMS, ACTIVATOR ATTACHED WITH #8 X 1/2" PH SMS.

SEE SHEET 1.2 FOR GLAZING OPTIONS

SILICONE GE-1200, DOW 995, DOW 899

1/2" X 1/2" CONTINUOUS CLOSED CELL FOAM TAPE WITH ONE SIDE ADHESIVE

PLASTIC WEEP BAFFLE

7/8" X 5" X 1/8" THK. CONTINUOUS ALUMINUM SILL ANGLE ADAPTOR


375, 396, 505, 508, 511 EXTRUSIONS ARE 6063-T5.
1/4" Dia. Ultracon (2@ 3" from Ends and 2@ 1/2" O.C. (Intermediate & Single Unit Anchors)) See Sheet 7 for Double Door Meeting Stile Anchors.

Optional Installation into 2x4 PT Wood See Note below.

TYPICAL JAMB ANCHORS
1/4" Dia. Ultracon
@ 3" from Ends and
12-3/8" O.C. for Loads Up to 70 PSF
14-1/2" O.C. for Loads Up to 100 PSF
16-1/2" O.C. for Loads above 110 PSF
(See Sheet 7)
2-1/2" Min. Edge Dist.

NOTE: 1X or 2X Wood Buckets Not by CGI Must Be Properly Secured and Must Sustain Loads Imposed by System.

PRODUCT REVISED as complying with the Florida Building Code
NOA-No. 17-1011.14
Expiration Date 10/25/2022

By: Miami-Dade Product Control

State of Florida

Note: All Jamb Anchor Conditions Shown on Sheets 3, 4, and 5 May Be Directly to Masonry with 1/4" Max. Shim Space Without Variation in Capacity.

DWG. NO.: W12-22

Windows and Doors, Inc.
18090 South 23rd Street - Miami, Florida 33179

Production: Series 450 Outswing Doors & Sidelles
Date: 09-22-12 sheet 3 of 7
MULLION #1

SMALL SIDELETE STILE (EXT. 503) AT SIDELECTES 1'-6" WIDE OR SMALLER.

SEALANT

EXTERIOR @ DS-0

1X4 PT WOOD
SEE NOTE SHEET 3

CONCRETE OR MASONRY

TYPICAL JAMB ANCHORS
1/4" DIA. ULTRACON
Φ 6" FROM ENDS AND
10'-3" O.C. FOR LOADS UPTO 70 PFS
14'-1/2" O.C. FOR LOADS UPTO 110 PFS
12" O.C. FOR LOADS ABOVE 110 PFS
2'-1/2" MIN. EDGE DIST.

DOOR PANEL WIDTH
SIDELETE PANEL WIDTH
SIDELETE FRAME WIDTH

REFER TO SHEET 2 OF 7 FOR TYPICAL BILL OF MATERIALS

DWG. NO.: W12-22

PRODUCT REVISED as complying with the Florida Building Code
NOA-No. 17-1011.14
Expiration Date 10/25/2022

By Miami-Dade Product Control

DATE: 05-22-12 sheed 4 of 7
**Panel Performance Chart for Single & Double Doors & Single Sidelites**

(Narrow Style Sidelites limited to 12" on less)

**Design Load Capacity - PSF**

<table>
<thead>
<tr>
<th>Nominal Dimensions</th>
<th>Frame Width (in)</th>
<th>7/16&quot; Composite Panels</th>
<th>1&quot; Composite Panels</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Ext. 4&quot; x 3&quot;</td>
<td>Int. 4&quot; x 3&quot;</td>
</tr>
<tr>
<td>28-9/16&quot;</td>
<td>59-1/2&quot;</td>
<td>1006</td>
<td>1106</td>
</tr>
<tr>
<td>28-9/16&quot;</td>
<td>62-1/2&quot;</td>
<td>1006</td>
<td>1106</td>
</tr>
<tr>
<td>28-9/16&quot;</td>
<td>74-1/2&quot;</td>
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<td>1106</td>
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<td>44-9/16&quot;</td>
<td>59-1/2&quot;</td>
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<td>1106</td>
</tr>
</tbody>
</table>

*Note: The above table represents design load capacities for various nominal dimensions of single & double doors and single sidelites. The capacities are given for both exterior and interior conditions. Additional details and notes regarding load-bearing requirements are provided in the document.*

---

**Product Information**

**Product Revised**

**As complying with the Florida Building Code**

**NOA-No.** 2017-1011.14

**Expiration Date** 10/25/2022

**By** Miami-Dade Product Control

**Product** Series 450 Outswing Doors & Sidelites

**Date** 05-22-12

**Sheet** 6 of 7
### Product Revised

as complying with the Florida Building Code

NOA-No. 17-1011.14

Expiration Date: 10/25/2022

By Miami-Dade Product Control

### Nominal Dimensions

<table>
<thead>
<tr>
<th>Frame Width</th>
<th>Design Load Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame Height</td>
<td>Type B at Head</td>
</tr>
</tbody>
</table>

#### Components

- Cluster of 4 Anchors
- Cluster of 5 Anchors

### Anchors

- **Mullion Anchors**
- **Sill Anchors**

#### Anchoring Options

- Single or Double Leaf Doors
- Single Sidelines
- Threshold Capacity

### Design Capacity

See Sheet 7 for Anchors Description and Sill Anchor Options.

See Sheet 1.1 for Lock Capacities for Single and Double Doors.

See Chart on Sheet 5 for Mullion Types and Design Load Capacity.

See Chart on Sheet 7 for Mullion Anchors Capacity.

### Assembly

Lowest value from these charts will apply to entire assembly.

---

**Mullion Anchors at Double Doors**

<table>
<thead>
<tr>
<th>Frame Width</th>
<th>Design Load Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame Height</td>
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</tbody>
</table>

#### Anchors

- **Mullion Anchors**
- **Sill Anchors**

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- Single or Double Leaf Doors
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#### Anchors

- **Mullion Anchors**
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#### Anchors

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#### Anchors

- **Mullion Anchors**
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### Design Capacity

See Sheet 7 for Anchors Description and Sill Anchor Options.

See Sheet 1.1 for Lock Capacities for Single and Double Doors.

See Chart on Sheet 5 for Mullion Types and Design Load Capacity.

See Chart on Sheet 7 for Mullion Anchors Capacity.

### Assembly

Lowest value from these charts will apply to entire assembly.

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**Mullion Anchors at Double Doors**

<table>
<thead>
<tr>
<th>Frame Width</th>
<th>Design Load Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame Height</td>
<td>Type B at Head</td>
</tr>
</tbody>
</table>

#### Anchors

- **Mullion Anchors**
- **Sill Anchors**

#### Anchoring Options

- Single or Double Leaf Doors
- Single Sidelines
- Threshold Capacity

### Design Capacity

See Sheet 7 for Anchors Description and Sill Anchor Options.

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