Universal Impact Windows & Doors, Inc.
1675 W. 31st Place
Hialeah, FL 33012

**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 “Rebecca” Aluminum Outswing French Door w/wo Sidelites – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. W04-81, Rev H titled “Series Rebecca Alum. Outswing French Door (L.M.I.)”, sheets 1, 2, 3, 4, 4.1 & 4.2 through 11 of 11, dated 09/13/04 and last revised on NOV 09, 2017, 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 Resistant

**Limitations:**
1. See sheets 2, 3 & 4 for applicable Design Pressure (DP) ratings. Lower DP ratings shall apply for entire assembly, when doors are mulled w/ Sidelites. See sheet 4.2 for approved configurations w/ Sidelites.
2. Two (2) manually operated Flush Bolts item #22 (top/bottom) are required at Single (active leaf) and Double doors (both active and in-active leaves). Steel substrate structural capacity to be reviewed by AHJ.

**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 # 15-0512.22 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.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's die drawings and sections (Submitted under file # see below)
2. Drawing No. W04–81, Rev G titled “Series Rebecca Alum. Outswing French Door (L.M.I.)”, sheets 1, 2, 3, 4, 4.1 & 4.2 through 11 of 11, dated 09/13/04 and last revised on OCT 14, 2015, prepared by Al–Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Submitted under files #12-0524.09/ #11-0308.01/ #10-0518.06/ #08-0418.02)
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
   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 an aluminum French door w/ sidelites, issued by Fenestration Testing Laboratory, Inc., Test Report No. FTL–6240, dated 10/13/10, signed and sealed by Jorge A. Causo, 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) Forced Entry Test, per FBC 2411 3.2.1, TAS 202–94
   5) Large Missile Impact Test per FBC, TAS 201–94
   6) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   along with marked–up drawings and installation diagram of an outswing double French doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL–4145, dated 09/14/04, signed and sealed by Edmundo Largaespada, P. E.

C. CALCULATIONS
1. Anchor verification calculations & structural analysis, complying with FBC-2014 (5th Edition), prepared by Al Farooq Corporation, dated 02/11/15, 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. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. (Former E.I. DuPont De Nemours & Co., Inc. for the “Sentry Glass ® (Clear and White) Glass Interlayers”, expiring on 07/04/18.
2. Notice of Acceptance No. 12–1231.10 issued to Eastman Chemical Company (MA) (former Solutia, Inc.) for the “Saflex: Saflex Clear & Color glass interlayer”, expiring on 05/21/16.

F. STATEMENTS
1. Statement letter of conformance to FBC 2014 and letter of no financial interest, prepared by Al Farooq Corporation, dated 01/13/15, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER
1. This NOA revises & renews NOA # 12-0524.09, expired on 05/19/15. Ishaq I. Chanda, P.E.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0312.01
Expiration Date: May 19, 2020
Approval Date: May 03, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
1. Drawing No. W04 81, Rev H titled “Series Rebecca Alum. Outswing French Door (L.M.I.)” sheets 1, 2, 3, 4, 4.1 & 4.2 through 11 of 11, dated 09/13/04 and last revised on NOV 09, 2017, prepared by Al–Farooq Corporation, signed and sealed by Java 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. 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.
3. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours & Co., Inc. for the “Trofossil® (Clear & color PVB) Glass Interlayers”, expiring on 07/08/19.

F. STATEMENTS
1. Letter of conformance to FBC 2017 (6th edition) and No Financial interest dated OCT 26, 2017, prepared by Al Farooq Corporation, signed and sealed by Java Ahmad, P.E.

G. OTHER
1. This NOA revises NOA # 15-0512.22, expiring 05/19/2020.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0312.01
Expiration Date: May 19, 2020
Approval Date: May 03, 2018

E - 2
THES DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

SERIES REBECCA
ALUMINUM OUTSWING FRENCH DOOR
SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH GLASS TYPES CAPACITIES SEE SHEET 2.
SINGLE AND DOUBLE LEAF DOORS WITH SIDELITES SEE SHEETS 3 & 4.
LOWER VALUES FROM SIDELITE (NARROW/WIDE STYLE) CAPACITY CHART OR DOOR CAPACITY CHART WILL APPLY TO ENTIRE SYSTEM.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/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 MANUF'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 DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014/2017 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.

GLAZING OPTIONS

GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS
0.90" Interlayer
Soflex Clear And Color Glass
Raymer Chemical Co.

GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS
0.90" Interlayer
3/16" HEAT STRENGTH GLASS
Raymer America, Inc.

GLASS TYPE 'C'
7/16" OVERALL LAM. GLASS
0.90" Interlayer
3/16" HEAT STRENGTH GLASS
Raymer America, Inc.
DOORS LOAD CAPACITY - PSF

<table>
<thead>
<tr>
<th>DOOR DMS.</th>
<th>CLASS TYPE A</th>
<th>CLASS TYPE B</th>
<th>CLASS TYPE C</th>
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<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
<td>EXT.(+), INT.(-)</td>
<td>EXT.(+), INT.(-)</td>
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<td>93-3/4&quot;</td>
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<tr>
<td>39-1/2&quot;</td>
<td>95-3/4&quot;</td>
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DOORS LOAD CAPACITY - PSF

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<td>75-7/8&quot;</td>
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NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219
NOTE:
FOR DOOR CAPACITIES SEE SHEET 2.
FOR SIDEITE WITH DOOR CAPACITIES SEE CHART ABOVE.
LOWER VALUES FROM DOOR OR SIDEITE CHART
WILL APPLY TO ENTIRE SYSTEM.
SEE SHEET 4.1 FOR SIDEITE WIDTHS.

ALTERNATE UNIT FRAME AREA MUST NOT EXCEED TESTED FRAME AREA 99.7 SQ. FT.
### Design Load Capacity - PSF

<table>
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<tr>
<th>Nom. Sidelite Width Inches</th>
<th>Narrow Style Sidelite with Sidelite</th>
<th>Wide Style Sidelite with Sidelite</th>
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<td>Ext.(+) IN(-) Ext.(+) IN(-)</td>
<td>Ext.(+) IN(-) Ext.(+) IN(-)</td>
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<td>65.0 75.0 65.0 75.0</td>
<td>65.0 75.0 65.0 75.0</td>
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<td>61.8 71.3 61.8 71.3</td>
<td>61.8 71.3 61.8 71.3</td>
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<td>57.4 66.2 57.4 66.2</td>
<td>57.4 66.2 57.4 66.2</td>
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<td>90-3/4</td>
<td>65.0 75.0 65.0 75.0</td>
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#### Notes:
- For door capacities see Sheet 2.
- For sidelite with door capacities see Sheet 3.
- For sidelite with sidelite capacities see chart above.
- Lower values from Door or Sidelite Charts will apply to entire system.
- See Sheet 4.1 for sidelite widths.

(XX00)

Alternate unit frame area must not exceed tested frame area 99.7 sq. ft.
OVERALL FRAME WIDTH

76-7/8" MAX.
XX DOOR FRAME WIDTH

(XXOO)

OVERALL FRAME WIDTH

39-1/2" MAX.
X DOOR FRAME WIDTH

(XO)

SIDELITES MAY BE WIDE OR NARROW STILE WITHIN NOM. SIDELITE WIDTH PER CHART.
(NARROW STILE SHOWN)
APPROVED SIDELITE CONFIGURATIONS

SIDELITES MAY BE NARROW OR WIDE STILES
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1 1/4" DIA. ULTRACON BY "ELCO" (Fu=177 ksi, Fy=155 ksi) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU 1BY 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
1-1/4" MIN. EMBED INTO CONCRETE (HEAD)
1-1/4" MIN. EMBED INTO CONCRETE (SILL)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE ALUMINUM: 1/8" THK. MIN. (6083-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 SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS Fc = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS Fm = 2000 PSI MIN.

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY UNIVERSAL MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
SIDE LITE DETAILS

1. NARROW–NARROW SIDELITE
   - #10 x 1” PH SELF DRILLING SCREWS AT 8” FROM ENDS & 14” O.C. MAX.
   - D.L.O.
   - EXT.
   - NARROW SIDELITE LEAF
   - NARROW SIDELITE LEAF WIDTH
   - NOM. SIDELITE WIDTH
   - SEE SHEET 4.1

2. WIDE–WIDE SIDELITE
   - D.L.O.
   - EXT.
   - WIDE SIDELITE LEAF
   - WIDE SIDELITE LEAF WIDTH
   - NOM. SIDELITE WIDTH
   - SEE SHEET 4.1

SEE QUALIFIED CONFIGURATIONS IN SHEET 4.2
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>PART #</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>MANF./SUPPLIER/REMARKS</th>
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<tr>
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<td>UA-1088</td>
<td>AS REQD.</td>
<td>FRAME HEAD</td>
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<td>2</td>
<td>UA-1092</td>
<td>2/ LEAF</td>
<td>TOP AND BOTTOM RAIL</td>
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<td>3</td>
<td>UA-1094</td>
<td>1</td>
<td>DOOR FRAME SILL TYPE 1</td>
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<td>8</td>
<td>UA-1065/1</td>
<td>1/ LEAF</td>
<td>DOOR LEAF JAMB – HINGE SIDE</td>
<td>6003-T6</td>
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<td>1/ LEAF</td>
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<td>10</td>
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<td>4/ LEAF</td>
<td>JAMB STIFFENER</td>
<td>6003-T6</td>
<td>4” LONG</td>
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<td>11</td>
<td>A-4008</td>
<td>AS REQD.</td>
<td>SHEAR PLATE &amp; ANCHOR LOCATIONS</td>
<td>6003-T6</td>
<td>6-7/8” LONG</td>
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<tr>
<td>12</td>
<td>–</td>
<td>AS REQD.</td>
<td>GLAZING TAPE SPACER (1/8” x 3/8” x 1” LONG)</td>
<td>–</td>
<td>4” FROM CORNERS &amp; AT MIDDLE OF VERTICAL</td>
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<td>–</td>
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<td>WEDGE GASKET</td>
<td>VINYL</td>
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<td>GLASS ADAPTER</td>
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<td>TEAM PLASTICS INC.</td>
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<td>TRESCO</td>
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<td>UA-1097</td>
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<td>CENTER HINGE WITH SS PIN</td>
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<td>10” TOP &amp; BOTTOM</td>
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<td>2/ LEAF</td>
<td>TOP &amp; BOTTOM HINGE WITH SS PIN</td>
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<td>10” TOP &amp; BOTTOM</td>
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<td>–</td>
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<td>DEAD BOLT LOCK SET</td>
<td>WESELINH &amp; SCHLAGE LOCK CO</td>
<td>–</td>
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<td>22</td>
<td>–</td>
<td>2/ LEAF</td>
<td>MANUALLY OPERATED FLUSH BOLT (ACTIVE/INACTIVE)</td>
<td>ZINC CAST</td>
<td>DELTA INC.</td>
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<td>24</td>
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<td>3/8” DIA. THREADED ROD</td>
<td>STEEL</td>
<td>–</td>
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<td>FRAME ASSY. SCREWS</td>
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<td>PAN HEAD HMS</td>
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<td>26</td>
<td>#8 X 1-1/4”</td>
<td>AS REQD.</td>
<td>GLAZING ADAPTER SCREWS, AT 6” FROM ENDS &amp; 12” O.C.</td>
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<td>FH SELF DRILLING</td>
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<td>AS REQD.</td>
<td>FRAME SCREW COVER</td>
<td>6003-T5</td>
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**SEALANTS:**
FRAME AND LEAF CORNERS, INSTALLATION SCREWS AT SILL AND ALL METAL PARTS CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

**LOCKS:**
MANUALLY OPERATED FLUSH BOLTS AT TOP AND BOTTOM OF EACH ACTIVE AND INACTIVE LEAF LOCK STILE WITH OPERATORS AT 12” AND 76” FROM BOTTOM.

DEAD BOLT LOCK BY WESLOCK INTL. OR HARLOCK WITH ALUM STRIKE PLATE AT ACTIVE LEAF LOCK STILE 45” FROM BOTTOM KEY OPERATED ON EXT. AND THUMB TURN ON INTERIOR.

CONVENTIONAL DOOR KNOB BY WESLOCK INTL. OR HARLOCK WITH ALUM STRIKE PLATE AT ACTIVE LEAF LOCK STILE 38” FROM BOTTOM.

NOTE: FLUSH BOLTS ON ACTIVE & INACTIVE LEAF MUST BE ENGAGED DURING PERIODS OF HURRICANE WARNING.