NOTICE OF ACCEPTANCE (NOA)

E.S. Windows, LLC
3550 N. W. 49th Street
Miami, FL 33142

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 “3000” Aluminum Outswing French Doors w/wo Sidelites

APPROVAL DOCUMENT: Drawing No. W04-51 Rev M, titled “series -3000 Alum Outswing French Doors (LMI)”, sheets 1, 2, 2.1, 2.2 through 5, 5.1, 6, 6.1 and 7 of 7, prepared by Al-Farooq Corporation, dated 06-10-04 and last revised on DEC 05, 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: Large and Small Missile Impact

Limitations:
1. Lower Design Pressures (DP) of Doors, sidelites, hardware, glass and threshold (sill) options shall control.
2. See sheets 1 & 2 for doors, 2.1 for single sidelite and 2.2 for doors w/ sidelites (Reinforced/UnReinforced) mullion options within tested frame area.
3. The Water Rating +DP with STD sill = +70 PSF (X & XX) and Hi-Rise sill = +90 PSF (XX) and +100 PSF(X).
4. The frame are of alternate size must not exceed 97.58 ft², nor panel tested area and max. Panel height.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Barranquilla, Columbia, 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 #17-1114.03 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 Ishaq I. Chanda, P.E.

NOA No. 17-1226.11
Expiration Date: December 20, 2023
Approval Date: December 27, 2018

Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
   1. Manufacturer's die drawings and sections (Submitted under file referenced below)
   2. Drawing No. **W04-51 Rev K**, titled “series -3000 Alum Outswing French Doors (LMI)”, sheets 1, 2, 2.1, 2.2 through 5, 5.1, 6, 6.1 and 7 of 7, prepared by Al-Farooq Corporation, dated 06-10-04 and last revised on NOV 09, 2016, signed and sealed by Javad Ahmad, P.E.

B. TESTS (submitted under #17-114.03/#16-0316.06/#15-0611.10/#14-0722.13/#12-0308.04/#09-1217.03)
   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(see sheet 2)
      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 drawing and installation diagram of aluminum outswing French door w/ Sidelite (OXX), prepared by Intertek/ Architectural Testing, Inc., No. **F2673.01-450-18**, dated 11/16/15, signed and sealed by Joseph A. Reed, 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(see sheet 2)
      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 drawing and installation diagram of aluminum outswing French door w/ Sidelites, prepared by Fenestration Testing Laboratory, Inc., No. **FTL-5938**, dated 10/01/09, signed and sealed by Julio E. Gonzales, P.E. **Note**: This test report has been revised, reviewed, signed and sealed on 03/29/10 by Jorge A. Causo, P.E. (Submitted under files #15-0611.10/#14-0722.13/#12-0308.40)

   3. Additional Test Reports: Test reports issued by Fenestration Testing Laboratory, Inc Test report No(s) **FTL-3947 & FTL-3955** per TAS 201, 202 & 202-94, dated 02/04/04, both signed and sealed by Edmund J. Largaespada, P.E. and test report No. **FTL-5164** per TAS 201/203-94, issued by Fenestration Testing Laboratory, Inc, dated 08/01/07, signed & sealed by Carlos S. Roinda, P. E. (Submitted under file # 09-0825.04).

C. CALCULATIONS
   1. Anchor verification calculations and structural analysis complying with FBC-2014 (5th Edition), prepared by Al Farooq Corporation, dated 08/01/16 signed and sealed by Javad Ahmad, P.E.
   2. Glazing complies w/ ASTM E-1300-02, -04 & -09

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

E. MATERIAL CERTIFICATIONS

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1226.11
Expiration Date: December 20, 2023
Approval Date: December 27, 2018

E -1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS
1. Statement letter of conformance to FBC 2014 (5th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 08/01/16, 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 NOA #16-0316.06, expiring December 16, 2017.
2. Statement letter dated 11/09/16 issued by ES windows, LLC requesting one year conditional approval until completion of the test proposal #16-0940 and agree to remedial action, should the test is unsuccessful, signed by Samir Sabagh (Engineer-ES)
3. Test proposal No(s) #16-0940, #09-0225 dated 06/17/09, # 06–0411 dated 07/31/07 & 02/06/06 approved by BCCO.
4. Distribution agreement between Energia Solar, S.A.-ES Windows and ES Windows, LLC, dtd 08/03/15, signed by Ms. Carla Garcia (MGR) and Andres Chamorro (Gen. MGR) respectively.

2. Evidence submitted in previous file #17-1114.03.

A. DRAWINGS
1. None.

B. CALCULATIONS
1. None

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

D. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. (Former E.I. Du Pont DeNemours & Co., Inc. for the “Kuraray Trofosiul Ultra clear and color PVB Interlayer (Former Kuraray Butacite® PVB interlayer)”, expiring on 07/08/19.

E. STATEMENTS
1. Statement letter of conformance to FBC 2014 (5th Edition), FBC 2017 (6th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 08/01/16, signed and sealed by Javad Ahmad, P.E.

F. OTHER
1. This NOA renews NOA #16-0316.06 for one year, expiring 12/16/18.

1. New Evidence submitted

A. DRAWINGS
1. Drawing No. W04-51 Rev M, titled “series -3000 Alum Outswinging French Doors (LMI)”, sheets 1, 2, 2.1, 2.2 through 5, 5.1, 6, 6.1 and 7 of 7, prepared by Al-Farooq Corporation, dated 06-10-04 and last revised on DEC 05, 2018, signed and sealed by Javad Ahmad, P.E.

Ishq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1226.11
Expiration Date: December 20, 2023
Approval Date: December 27, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted (continue)

B. TEST
   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)
      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 drawing and installation diagram of aluminum Single and double doors
outswing French door w/ Sidelite (OXX), prepared by Blackwater Testing, Inc., No. BT-ESW-16-
011, dated 03/16/17, signed and sealed by Constantin Bortes, P.E.

C. CALCULATIONS
   1. Anchor verification calculations and structural analysis complying with FBC-2017 (6th
      Edition), prepared by Al Farooq Corporation, dated 09/15/17, signed and sealed by Javad
      Ahmad, P.E.
   2. Glazing complies w/ ASTM E-1300-02, -04 & -09.

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

D. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (former E.I. DuPont
      DeNemours & Co., Inc.) for the “Sentry Glass ® Interlayer”, expiring on 07/4/23.
   2. Notice of Acceptance No. 16-117.01 issued to Kuraray America, Inc. (Former E.I. DuPont
      DeNemours & Co., Inc. for the “Kuraray Trofosal Ultra clear and color PVB Interlayer
      (Former Kuraray Butacite ® PVB interlayer)”, expiring on 07/08/19.

E. STATEMENTS
   1. Statement letter of conformance to FBC 2017 (6th Edition) and letter of no financial interest,
      prepared by Al Farooq Corporation, dated 09/15/17, signed and sealed by Javad Ahmad, P.E.

F. OTHER
   1. This NOA revises and renews NOA # 17-1114.03, expiring 12/16/23.

______________________________
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1226.11
Expiration Date: December 20, 2023
Approval Date: December 27, 2018
SERIES-3000 ALUM OUTFRAME FRENCH DOOR

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS

WITH OR WITHOUT SIDELITES.

SIDE LITES CAN BE ON ONE OR BOTH SIDES OF 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, PLACED 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, ALUMINUM, WOOD, 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 RECESSING 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.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BUILDING HEIGHT, WINDOW ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2: FOR SINGLE (X) AND DOUBLE (XX) DOOR CAPACITIES SEE SHEET 2.

STEP 3: FOR SIDELITE PANEL (O) CAPACITY SEE SHEET 2.

STEP 4: FOR SIDELITE COMBINATION WITH DOOR OR SIDELITE SEE MOLNIO CAPACITY CHART ON SHEET 2.

STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

TYPICAL ELEVATIONS

TESTED UNITS

NOTE:

FLUSH BOLTS ARE CONCEALED ON INACTIVE LEAF AND EXPOSED ON ACTIVE LEAF

SEE DETAIL G ON SHEET 5.

DOOR LEAF WIDTH (X) = FRAME WIDTH - 2.8125"

DOOR LEAF WIDTH (XX) = (FRAME WIDTH - 2.875")/2

DOOR LEAF HEIGHT = FRAME HEIGHT - 2.500"

SIDELITE PANEL WIDTH = SIDELITE WIDTH - 1.875"
### 'X' DOORS

<table>
<thead>
<tr>
<th>Frame Height</th>
<th>Frame Width</th>
<th>Design Load Capacity - PSF (Glass and Hardware Options)</th>
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<td>37-1/2</td>
<td>70.0 80.0</td>
<td>'A', 'B' &amp; 'D'</td>
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<td>39-5/8</td>
<td>90.0 90.0</td>
<td>'C' &amp; 'E'</td>
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<tr>
<td></td>
<td>100.0 120.0</td>
<td>'F'</td>
</tr>
<tr>
<td>95-3/4</td>
<td>70.0 80.0</td>
<td>'G' &amp; 'H'</td>
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<table>
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<tr>
<th>Option '1'</th>
<th>Ext. (+) Int. (-)</th>
<th>Ext. (+) Int. (-)</th>
<th>Ext. (+) Int. (-)</th>
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**Hinges:**

- **Option #1:**
  - Three piece Alum butt hinge by 'E.S. Windows'.
  - Hinges per leaf at 11" from top & bottom and at midspan.
  - Fastened to door frame and leaf with #10 x 1 1/2" FH SM.
  - Screws at frame, (5) Screws at leaf.

- **Option #2:**
  - Face mount 3 wing pivot hinge by 'Master Accessories' with extruded aluminum base, die cast aluminum cover plates, double pivots and galvanized steel.
  - Hinges per leaf at 12" from top & bottom.
  - Fastened to door frame and leaf with 5/16-24 x 1 1/2" FH SM (2) per wing.

- **Option #3:**
  - Series 90 (or Hahn A701) die cast aluminum hinge by 'Or Hahn'.
  - Hinges per leaf at 8-1/2" from top & bottom.
  - Fastened to door frame and leaf with 5/16-24 x 1" hex drive flat head screws.

**Locking Hardware:**

- **Active Leaf:**
  - Surface mount dead bolt lock by 'Yale' at 45" from bottom, key operated on exterior and thumb turn on interior.
  - Fastened to active leaf lock stile with (2) 1/4-28 x 2 1/2" FH SM.
  - Lever type metalic handle at 36" from bottom, fastened to active leaf lock stile with (2) 8-32 x 1 1/4" FH SM.

- **Concealed flush bolts by 'Sullivan & Assoc.'**
  - Manually operated levers mounted on stile.
  - Face located at 12" from top and bottom.
  - Fastened to lock stile with (2) 8 X 3/4" FH SM (2) screws per bolt.

- **3 Point Lock System by "Interlock" at 39" from bottom**
  - Handle actuates dead bolt and shoot bolts engaging at head and sill.
  - Key operated on exterior and thumb turn on interior.
  - Fastened to active leaf lock stile with (2) 8-32 x 2" FH SM.

- **4-Point Mortise Lock System by "Interlock" at 39" from bottom**
  - Handle actuates dead bolt and shoot bolts engaging at head and sill.
  - Key operated on exterior and thumb turn on interior.
  - Fastened to active leaf lock stile with (2) 8-32 x 2" FH SM.

**Inactive Leaf**

- For use with options 1, 2 & 3.
- Concealed flush bolts by 'Sullivan & Assoc.'
- Manually operated levers mounted on inside face of leaf stile located at 12" from top and bottom.
- Fastened to lock stile with (2) 8 X 3/4" FH SM (2) per bolt.

**NOTE:**
- Lowest value selected from option will apply.
- Glass capacities on this sheet are based on ASTM E1300-09 (3 sec. gusts) and Florida Building Commission Declaratory Statement DCA05-DEC-219.
- Glass widths: 37-1/2" through 95-3/4"
- Leaf height: 8.1875" (Std. Bot. Rail)
- Leaf width: 8.625" (Std. Bot. Rail)

**D.O.L. Openings:**

- D.O.L. Height = Leaf Height - 8.1875" (Std. Bot. Rail)
- D.O.L. Height = Leaf Height - 11.9375" (Hi Rise Bot. Rail)
- D.O.L. Width = Leaf Width - 8.625"

### 'XX' DOORS

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<th>Design Load Capacity - PSF (Glass and Hardware Options)</th>
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**Hinges:**

- **Option #1:**
  - Surface mount dead bolt lock by 'Yale' at 45" from bottom, key operated on exterior and thumb turn on interior.
  - Fastened to active leaf lock stile with (2) 1/4-28 x 2 1/2" FH MS.

**Concealed flush bolts by 'Sullivan & Assoc.'**

Where water infiltration resistance is required.

**Water Infiltration Limitations:**

- Where water infiltration resistance is required.
- Limit exterior loads for all cases as follows:
  - Std. Sill: +70.0 PSF (X & XX Doors)
  - Hi-Rise Sill: +90.0 PSF (XX Doors)
  - +100.0 PSF (X Doors)

- Exception: Glass types 'C' & 'H' require hi-rise sill for all cases.
STATIONARY PANEL (O) OR SIDELITES

DESIGN LOAD CAPACITY - PSF

<table>
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<tr>
<th>FRAME HEIGHT</th>
<th>FRAME WIDTH</th>
<th>'A'</th>
<th>'B'</th>
<th>'C'</th>
<th>'D'</th>
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WATER INFILTRATION LIMITATIONS:
WHERE WATER INFILTRATION RESISTANCE IS REQUIRED
LIMIT EXTERIOR LOADS FOR ALL CASES AS FOLLOWS
STD. SILL = 90.0 PSF
HI-RISE SILL = 90.0 PSF

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1330-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

NOTE:

GLAZING OPTIONS

- 3/16" H.S. GLASS
  - .090" Interlayer
  - SentryGlass
  - By "Kuraray America, Inc."

- 3/16" H.S. GLASS
  - .090" Interlayer
  - Troplol PVB
  - By "Kuraray America, Inc."

- 3/16" H.S. GLASS
  - .090" Interlayer
  - SentryGlass
  - By "Kuraray America, Inc."

- 1/8" H.S. GLASS
  - .090" Interlayer
  - SentryGlass
  - By "Kuraray America, Inc."

- 1/8" H.S. GLASS
  - .090" Interlayer
  - Troplol PVB
  - By "Kuraray America, Inc."

- 3/16" H.S. GLASS
  - .090" Interlayer
  - SentryGlass
  - By "Kuraray America, Inc."

- 1/8" H.S. GLASS
  - .090" Interlayer
  - SentryGlass"Saflex Clear And Color Glass"
  - By "Eastman Chemical Co."

- 3/16" H.S. GLASS
  - .090" Interlayer
  - SentryGlass
  - By "Kuraray America, Inc."

- 1/8" H.S. GLASS
  - .090" Interlayer
  - SentryGlass
  - By "Kuraray America, Inc."

- 3/16" H.S. GLASS
  - .090" Interlayer
  - SentryGlass
  - By "Kuraray America, Inc."
NOTE:
FOR DOORS CAPACITY SEE SHEET 2
FOR SIDELITE CAPACITIES SEE SHEET 2.1.
FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE.
LOWER VALUES FROM DOORS, SIDELITE OR DOOR/SIDELITE MULLION
CHART WILL APPLY TO ENTIRE SYSTEM.

SIDEKITE WIDTH
39 5/8" MAX.

SINGLE (X) DOOR WIDTH

SIDEKITE WIDTH
76" MAX.

DOUBLE (XX) DOOR WIDTH
WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACOM BY "ELCO" \( f_y = 177 \text{ ksi}, f_y = 155 \text{ ksi} \)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 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/SILL/JAMBS)

1-3/4" MIN. EMBED INTO DROUT FILLED 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. (6063~75 MIN.)

STEEL: 1/8" THK. MIN. \( f_y = 36 \text{ ksi} \) MIN.

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SQ = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS \( f_c = 3000 \text{ PSI} \) MIN.

C=90 HOLLOW/FILLED BLOCK AT JAMBS \( f_m = 2000 \text{ PSI} \) MIN.

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>PART #</th>
<th>1</th>
<th>FRAME HEAD</th>
<th>6063-16 -</th>
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<tbody>
<tr>
<td>2</td>
<td>ES3001-2</td>
<td>2</td>
<td>DOOR FRAME JAMB</td>
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<tr>
<td>3</td>
<td>ES3002-1</td>
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<td>FRAME SILL (STANDARD)</td>
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<tr>
<td>3A</td>
<td>ES3025</td>
<td>1</td>
<td>FRAME SILL (HI-RISE)</td>
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<td>4</td>
<td>ES3003-1</td>
<td>AS REQ'D.</td>
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<td>5</td>
<td>ES3040</td>
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<td>SHEAR PLATE &amp; ANCHOR LOCATIONS</td>
<td>6063-16 3&quot; LONG</td>
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<td>6</td>
<td>ES3050-1</td>
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<td>LEAF TOP AND BOTTOM RAIL</td>
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<td>6A</td>
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<td>LEAF HI-PROFILE BOTTOM RAIL</td>
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<td>7</td>
<td>ES3006-1</td>
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<td>LEAF DOOR LEAF JAMB - HINGE SIDE</td>
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<td>ES3007-1</td>
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<td>SIDELITE STILE</td>
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<td>11</td>
<td>FB-1200-914</td>
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<td>LEAF CONCEALED FLUSH BOLT</td>
<td>STEEL SULLIVAN &amp; ASSOCIATES</td>
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<tr>
<td>13</td>
<td>ES3013</td>
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<td>JAMB TRIM</td>
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<td>14</td>
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<td>15</td>
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<td>LEAF WEATHERSTRIP ADAPTER</td>
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<td>ES3014-1</td>
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<td>17</td>
<td>ES3003-3</td>
<td>5</td>
<td>LEAF HINGE ASSEMBLY</td>
<td>6063-16 SEE SHEET 2</td>
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<tr>
<td>17A</td>
<td>ES3020</td>
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<td>LEAF HW-50 HINGES</td>
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<td>17B</td>
<td>W071</td>
<td>2</td>
<td>LEAF DR HAHN 2 PIECE HINGE, AT 6&quot; FROM EACH END</td>
<td>DIE CAST ALUM SEE SHEET 2</td>
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<tr>
<td>19</td>
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<td>DOOR LOCK (SAVANNAH 2015)</td>
<td>YALE</td>
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<td>DEAD BOLT LOCK (PREIMER)</td>
<td>YALE</td>
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<td>21</td>
<td>W2021NG</td>
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<td>FIN-SEAL PILE W/STRIPPING</td>
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<td>BULB WEATHERSTRIP</td>
<td>VYNL AT SIDELITE PANELS</td>
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<td>23</td>
<td>1</td>
<td>HINGE</td>
<td>HINGE REINFORCING BAR</td>
<td>ALUMINUM 1/4&quot;X1/8&quot;X1/4&quot; LONG</td>
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<td>24</td>
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<td>HINGE REINFORCING BAR</td>
<td>ALUMINUM 1/8&quot; THK. X 7-7/8&quot; LONG</td>
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<tr>
<td>25</td>
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<td>LEAF</td>
<td>3/8&quot; DIAM. THREADED ROD W/ NUTS</td>
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<td>26</td>
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<td>FRAME ASY. SCREWS</td>
<td>#10 PAN HEAD SMS</td>
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<td>27</td>
<td>AS REQ'D.</td>
<td>MULLION REF. CHANNEL LENGTH = MULL HT. - 10&quot;</td>
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<td>BOTTOM RAIL GLASS STOP</td>
<td>NEOPRENE</td>
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<td>PANEL SILICONE STOP</td>
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<td>SILICONE BUMPER</td>
<td>3/8&quot; DIAM. X 1/8&quot; HT.</td>
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<td>WEDGE GASKET</td>
<td>SILICONE/EPDM TREMCO</td>
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<td>#10 X 1&quot; FH SMS</td>
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<td>SCHLEDEL</td>
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<td>1/16&quot; X 1/2&quot; GLAZING TAPE</td>
<td>URETHANE SINT GOBAN</td>
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<td>1/8&quot; X 1/2&quot; GLAZING TAPE</td>
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