Sunshine Windows Manufacturing, Inc.
1785 W. 33rd 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 “9000” Aluminum Outswing French Door w/ wo Transom-L.M.I.

APPROVAL DOCUMENT: Drawing No. W08-91 Rev E, titled “Series 9000 Alum Outswing Door w/wo Transom (L.M.I.)”, sheets 1 thru 18 of 181, dated 11/11/08 and last revised on JUL 27, 2018, prepared by Al-Faroq Corp.
signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number & expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:
1. See sheets 2 thru 6 for Design Pressure charts for Single and/or Double door w/wo transom, glass, threshold type, lock type, hinges type and head, sill and jambs anchors. Lower Design Pressure shall apply to the entire assembly.
2. The Single Door w/ Transom is limited to Max. Design Pressure DP = ± 90 PSF & Saddle threshold= ± 80 PSF.
3. Only Single Door w/ High Threshold option item E-2B (part # ES-9026) is rated for external Positive +120 PSF,
Water Resistant Rating, all other thresholds are not rated for water Resistant Ratings (See sheets 8 & 9).
4. When doors are mull to ES 8000 or 9500 series separate Storefront System NOA(s), lower design pressure of doors w/wo transom or storefront shall control for entire system, AHJ to review tributary end load and installations.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Barranquilla, Columbia 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 #16-0517.16 and consists of page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 18-0412.05
Expiration Date: December 24, 2023
Approval Date: August 09, 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 files below)
   2. Drawing No. W08-91 Rev C, titled “Series 9000 Alum Outswing French Door w/wo Transom (L.M.I.)”, sheets 1, 2, 3, 3.1 through 11 of 11, dated 11/08/08 and last revised on JUL 22, 2016, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Submitted under files #15-0602.09/#12-0306.07/#10-0301.03)
   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) Large Missile Impact Test per FBC, TAS 201-94
      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 Alum. Outswing Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5554, dated 05/10/08, signed and sealed by Carlos S. Rionda, P.E.
   2. Test reports on: 1) Uniform Static Air Pressure Test,
      2) Large Missile Impact Test per FBC, TAS 201-94
      3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   Along with marked-up drawings of an Alum. Outswing Entrance Door, prepared by FTL, Inc., Test Report No. FTL-5556, dtd 04/27/08, signed and sealed by Carlos S. Rionda, P.E.
   2. Additional Test reports along with marked-up Dwg. of a single (X) aluminum outswing door per TAS 201, 202 (Full) and 203-94, issued by Fenestration Testing lab, Inc., Test Report No. FTL-5992, dtd 09/09/09, reissued on 2/2/11 signed & sealed by Marlin D. Brinson, P. E.

C. CALCULATIONS (Submitted under file #15-0602.09)
   1. Anchor verification calculations and structural analysis, complying with FBC-2014, prepared by Al Farooq Corporation, dated 05/29/15, 01/14/16 and last revised on 03/14/16, signed and sealed by Javad Ahmad, P.E.
   2. Glazing complies w/ ASTM-E1300-02, -04 and -09.

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

E. MATERIAL CERTIFICATIONS

F. STATEMENTS (Submitted under file #15-0602.09)
   1. Statement letter of conformance to FBC 2014 and letter of no financial interest, prepared by Al Farooq Corporation, dated 03/16/16, signed and sealed by Javad Ahmad, P.E.
   2. Lab compliance as part of the above referenced test report.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0412.05
Expiration Date: December 24, 2023
Approval Date: August 09, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER
1. This NOA revises NOA #16-0517.16, expiring on DEC 24, 2018.
2. Private Label agreement between ES Windows, LLC and Sunshine Windows Manufacturing, Inc, dtd 08/08/16, signed by Andres Chamorro (Manager) & Jose Nunez (Gen Manager), respectively.
3. Test proposals # 07-4070 & 09-0165, approved by BCCO.


A. DRAWINGS
1. Drawing No. W08-91 Rev E, titled “Series 9000 Alum Outswing Door w/wo Transom (L.M.I.)”, sheets 1 thru 18 of 181, dated 11/11/08 and last revised on JUL 27, 2018, prepared by Al-Farooq Corp. signed and sealed by Javad Ahmad, P.E.

B. TESTS (Revised) (Submitted under file #18-0319.09)
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 (Not performed)
   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 X & XX Alum. Outswing Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7242, dated 05/03/13, signed and sealed by Idalmis Ortega, P.E.
   (This test report revised and issued by Fenestration testing on 05/21/18, signed and sealed by Idalmis Ortega, 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 (Not performed)
   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 of X and XX Alum. Outswing Entrance Door, prepared by Blackwater Testing Inc., Test Report No. BT-ESW-17-020, dated 06/14/178, signed and sealed by Constantin Bortes, P.E.

C. CALCULATIONS (Submitted under file #18-0319.09)
1. Anchor verification calculations & structural analysis, complying with FBC 2017 (6th edition), prepared by Al-Farooq Corp., dated 03/16/18 and last revised on 07/27/18, signed & sealed by Javad Ahmad, P.E.

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

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0412.05
Expiration Date: December 24, 2023
Approval Date: August 09, 2018
Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. 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 Trofosil Ultra clear and color PVB Interlayer (Former Kuraray Butacite® PVB interlayer)”, expiring on 07/08/19.

F. STATEMENTS
1. Statement letter of conformance to FBC 2017 (6th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 03/12/18, signed and sealed by Javad Ahmad, P.E.
2. Private labeling agreement between Sunshine Windows Inc. and ES Windows, LLC, dated 08/01/18, signed by Noel Martinez (Asst. MGR) and Ms. Evelyn Daes (MGR) respectively.
3. Distribution agreement between ES Windows, LLC (distributor) and Energia Solar, S.A, (manufacturer, dated 08/01/18, signed by MS. Carla Garcia (MGR) and Ms. Evelyn Deas (MGR) respectively.

G. OTHER
1. This NOA revises & renews NOA #16-0517.16, expiring on DEC 24, 2024.
2. Test proposal dated 12/20/12 approved by Jaime D. Gascon, P.E.
3. Reference ES windows, LLC file # 18-0319.09.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0412.05
Expiration Date: December 24, 2023
Approval Date: August 09, 2018
SERIES 8000
ALUMINUM OUTSWING ENTRANCE DOOR

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITH OR WITHOUT TRANSOMS.
SEE SHEET 3 & 4 FOR DESIGN LOAD CAPACITY OF DOUBLE DOORS WITH OR WITHOUT TRANSOMS.
SEE SHEET 5 FOR DESIGN LOAD CAPACITY OF SINGLE AND DOUBLE DOORS WITHOUT TRANSOMS WITH ADDITIONAL OPTIONS.
SEE SHEET 6 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITHOUT TRANSOMS WITH HIGHER LOAD CAPACITY.
DOORS CAN ALSO BE USED WITH SUNSHINE WWR SERIES 8000 OR SERIES 9500 STOREFRONT SYSTEMS UNDER SEPARATE NDA.
DOOR MILLION ATTACHMENT END LOAD AND CAPACITY TO BE REVIEWED BY BUILDING OFFICIAL.
DOUBLE DOORS WITH STANDARD, SADDLE AND HIGH THRESHOLD AND SINGLE DOORS WITH STANDARD AND SADDLE THRESHOLD ARE NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
SINGLE DOORS USING ES-8025 (HIGH THRESHOLD OPTION) ARE APPROVED FOR WATER INFILTRATION RESISTANCE.
SEE SHEETS 8 & 18 FOR DETAILS.

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).

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 MANUFACTURER'S INSTRUCTIONS. SPECIFIED EMBLIND 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 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.

ALL PRODUCTS APPROVED 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.

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.250" (STD. THRESHOLD)
D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.623" (SADDLE THRESHOLD)
D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.750" (HIGH THRESHOLD)
D.L.O. WIDTH (DOOR) = FRAME WIDTH - 14.0625"
D.L.O. HEIGHT (TRANSOM) = FRAME HEIGHT - 5.125"
D.L.O. WIDTH (TRANSOM) = FRAME WIDTH - 7"
LEAF HEIGHT = FRAME HEIGHT - 2.938" (STD. THRESHOLD)
LEAF HEIGHT = FRAME HEIGHT - 2.563" (SADDLE THRESHOLD)
LEAF HEIGHT = FRAME HEIGHT - 2.438" (HIGH THRESHOLD)
LEAF WIDTH = FRAME WIDTH - 5.188"

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
### TABLE 9.1

<table>
<thead>
<tr>
<th>DOOR DMSL</th>
<th>DOORS LOAD CAPACITY - P.S.F</th>
<th>SINGLE DOORS WITHOUT TRANSM (X) OR WITH TRANSM (O/X)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GLASS</strong></td>
<td><strong>LOCKS</strong></td>
<td><strong>HINGES</strong></td>
</tr>
<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
<td>TYPE 'A'</td>
</tr>
<tr>
<td>47&quot;</td>
<td>98-1/2&quot;</td>
<td>80.0</td>
</tr>
<tr>
<td>47&quot;</td>
<td>110-1/2&quot;</td>
<td>80.0</td>
</tr>
</tbody>
</table>

**SINGLE DOORS WITH SADDLE THRESHOLD LIMITED TO +0.0, +0.0 P.S.F**

**SEE SHEET 7 FOR GLASS TYPES DESCRIPTION**

**SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION**

### TABLE 9.11

<table>
<thead>
<tr>
<th>DOOR DMSL</th>
<th>JAMB ANCHORS LOAD CAPACITY - P.S.F (NOT APPLICABLE AT TRANSM END SEE NOTE 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRAME WIDTH</strong></td>
<td><strong>FRAME HEIGHT</strong></td>
</tr>
<tr>
<td>47&quot;</td>
<td>98-1/2&quot;</td>
</tr>
<tr>
<td>47&quot;</td>
<td>110-1/2&quot;</td>
</tr>
</tbody>
</table>

**SEE SHEET 10 FOR ANCHOR DESCRIPTION**

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**NOTE:**

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1302-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCAOS-DEC-219
SEE CHARTS ON SHEET 4 FOR DOUBLE DOOR AND TRANSOM LOAD CAPACITY
DOUBLE DOORS WITH OR WITHOUT TRANSMIT
USE CHARTS AS FOLLOWS
FOR THE CORRESPONDING DOOR SIZE
1. FOR GLASS TYPE, LOCK AND HINGE OPTIONS
OBTAIN LOAD CAPACITIES FROM TABLE #12.
2. SELECT THRESHOLD TYPE TO BE USED.
NO WATER RATED FOR DOORS WITH THRESHOLD
(SADDLE, SADDLE OR HIGH THRESHOLD)
3. FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN
LOAD CAPACITIES FROM TABLE #12.
SEE ELEVATION ON SHEET #3 FOR TRANSMIT END ANCHORS.
(MIN. 6 ANCHORS REQD IN ALL CASES)
4. FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN
LOAD CAPACITIES FROM TABLE #12.
THE LOWEST VALUES FROM STEPS 1, 2, 3
AND 4 WILL GOVERN.

### TABLE #12
DOORS LOAD CAPACITY – PSF
DOUBLE DOOR WITHOUT TRANSMIT (XX) OR WITH TRANSMIT (0/XX)

<table>
<thead>
<tr>
<th>DOOR DIMS.</th>
<th>TYPE A</th>
<th>TYPE W/C</th>
<th>OPTION #1</th>
<th>OPTION #2</th>
<th>OPTION #3</th>
<th>OPTION #1</th>
<th>OPTION #2</th>
<th>OPTION #3</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
<td>EXT (+)</td>
<td>INT (-)</td>
<td>EXT (+)</td>
<td>INT (-)</td>
<td>EXT (+)</td>
<td>INT (-)</td>
<td>EXT (+)</td>
</tr>
<tr>
<td>89&quot;</td>
<td>98-1/2&quot;</td>
<td>80.0</td>
<td>90.0</td>
<td>80.0</td>
<td>90.0</td>
<td>80.0</td>
<td>90.0</td>
<td>80.0</td>
</tr>
<tr>
<td>89&quot;</td>
<td>110-1/2&quot;</td>
<td>80.0</td>
<td>90.0</td>
<td>80.0</td>
<td>90.0</td>
<td>80.0</td>
<td>90.0</td>
<td>80.0</td>
</tr>
</tbody>
</table>

DOUBLE DOORS WITH MIDDLE THRESHOLD LIMITED TO +80.0, -80.0 PSF

SEE SHEET #7 FOR GLASS TYPES DESCRIPTION
SEE SHEET #16 FOR LOCKS AND HINGES DESCRIPTION

### TABLE #13
JAMB ANCHORS LOAD CAPACITY – PSF (NOT APPLICABLE AT TRANSMIT END SEE NOTE 3)
DOUBLE DOORS WITHOUT TRANSMIT (XX) OR WITH TRANSMIT (0/XX)

<table>
<thead>
<tr>
<th>DOOR DIMS.</th>
<th>1/4&quot; SHIM SPACE</th>
<th>3/8&quot; SHIM SPACE</th>
<th>1/2&quot; SHIM SPACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
<td>EXT (+)</td>
<td>INT (-)</td>
</tr>
<tr>
<td>55&quot;</td>
<td>110-1/2&quot;</td>
<td>90.0</td>
<td>88.7</td>
</tr>
<tr>
<td>89&quot;</td>
<td>110-1/2&quot;</td>
<td>90.0</td>
<td>88.7</td>
</tr>
</tbody>
</table>

SEE SHEET #10 FOR ANCHOR DESCRIPTION

### TABLE #14
HEAD ANCHORS LOAD CAPACITY – PSF
DOUBLE DOOR WITHOUT TRANSMIT (XX) OR WITH TRANSMIT (0/XX)

<table>
<thead>
<tr>
<th>DOOR DIMS.</th>
<th>1/4&quot; SHIM SPACE</th>
<th>3/8&quot; SHIM SPACE</th>
<th>1/2&quot; SHIM SPACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
<td>EXT (+)</td>
<td>INT (-)</td>
</tr>
<tr>
<td>75&quot;</td>
<td>98-1/2&quot;</td>
<td>90.0</td>
<td>90.0</td>
</tr>
<tr>
<td>89&quot;</td>
<td>110-1/2&quot;</td>
<td>90.0</td>
<td>90.0</td>
</tr>
</tbody>
</table>

SEE SHEET #10 FOR ANCHOR DESCRIPTION

SILL ANCHORS DESIGN LOAD CAPACITY ALL SIZES = ± 90.0 PSF (STD. & HIGH THRESHOLDS)
± 80.0 PSF (SADDLE THRESHOLD)

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

Jul 27, 2018
Drawing no. W08-91
Sheet 4 of 18
SINGLE DOORS WITHOUT TRANSOMS
USE CHARTS AS FOLLOWS
FOR THE CORRESPONDING DOOR SIZE
1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS
   OBTAIN LOAD CAPACITIES FROM TABLE #A.
2- THESE DOORS APPROVED WITH STD. THRESHOLD ONLY.
3- FOR JAMB ANCHORS TYPE/SHIM SPACE OBTAIN
   LOAD CAPACITIES FROM TABLE #A.
   THE LOWEST VALUES FROM STEPS 1 AND 3
   WILL GOVERN.

<table>
<thead>
<tr>
<th>TABLE #D4</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOORS LOAD CAPACITY - PSF</td>
</tr>
<tr>
<td>SINGLE DOOR(S)</td>
</tr>
<tr>
<td>GLASS</td>
</tr>
<tr>
<td>TYPE B.1'</td>
</tr>
<tr>
<td>FRAME</td>
</tr>
<tr>
<td>40&quot; x 96&quot;</td>
</tr>
</tbody>
</table>

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

<table>
<thead>
<tr>
<th>TABLE #J4</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAMB ANCHORS LOAD CAPACITY - PSF</td>
</tr>
<tr>
<td>SINGLE DOOR(S)</td>
</tr>
<tr>
<td>ANCHOR/ANCHOR/ANCHOR</td>
</tr>
<tr>
<td>&quot;A&quot;</td>
</tr>
<tr>
<td>&quot;B&quot;</td>
</tr>
<tr>
<td>&quot;C&quot;</td>
</tr>
<tr>
<td>&quot;D&quot;</td>
</tr>
</tbody>
</table>

| FRAME  | FRAME  | HEIGHT  |
| 40" x 96" | 112.5 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 |

SEE SHEET 10 FOR ANCHOR DESCRIPTION

SILL ANCHORS DESIGN LOAD CAPACITY = ± 130.0 PSF (STD. THRESHOLD)

TYPE ELEVATION (X)

DOORS WITH SERIES-9500 FRAMES ONLY.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219
GLAZING OPTIONS

GLASS TYPE 'A'
9/16" OVERALL LAM. GLASS

GLASS TYPE 'B'
9/16" OVERALL LAM. GLASS

GLASS TYPE 'C'
1 1/8" OVERALL INSUL. LAM. GLASS

GLASS TYPE 'A.1'
9/16" OVERALL LAM. GLASS

GLASS TYPE 'B.1'
9/16" OVERALL LAM. GLASS

1/4" HEAT STRENGTH GLASS

0.901 Interlayer
SentryGlass
By Kuraray America, Inc.

1/4" HEAT STRENGTH GLASS

0.901 Interlayer
SentryGlass
By Kuraray America, Inc.

1/4" HEAT STRENGTH GLASS

0.901 Interlayer
SentryGlass
By Kuraray America, Inc.

1/4" HEAT STRENGTH GLASS

0.901 Interlayer
SentryGlass
By Kuraray America, Inc.

1/4" HEAT STRENGTH GLASS

1/4" HEAT STRENGTH GLASS

3/8" AIR SPACE

3/16" HEAT STRENGTH GLASS

3/16" HEAT STRENGTH GLASS

SPACER
(SEE SPEC BELOW)

SILICONE
DOWSIL 983
DOWSIL 791

SILICONE
DOWSIL 983
DOWSIL 795

SILICONE
DOWSIL 983
DOWSIL 795

SILICONE
DOWSIL 983
DOWSIL 795

5/8" MIN. THK.
GLASS BIE

5/8" MIN. THK.
GLASS BIE

5/8" MIN. THK.
GLASS BIE

5/8" MIN. THK.
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DOORS SHOWN WITH SERIES-9500 FRAMES CAN ALSO BE USED WITH SERIES-8000 FRAMES.

STANDARD THRESHOLD
NOT APPROVED FOR WATER INFLATION RESISTANCE
(SEE SHEETS 4, 5 & 6)

SADDLE THRESHOLD
NOT APPROVED FOR WATER INFLATION RESISTANCE
LIMIT MAX. LOADS TO 3.80 PSF

HIGH THRESHOLD OPTION
APPROVED FOR WATER RESISTANCE WHEN USED WITH SINGLE DOORS (SEE SHEET 2)
NOT APPROVED FOR WATER RESISTANCE WHEN USED WITH DOUBLE DOORS
DOORS SHOWN WITH SERIES-9500 FRAMES CAN
ALSO BE USED WITH SERIES-8000 FRAMES.

TYPICAL ANCHORS
2-3/4" LONG
FOR THIS CONDITION ONLY
SEE ELEVATIONS
FOR SPACING

WOOD STRUCTURE

DOOR FRAME HEIGHT

TYPICAL ANCHORS
SEE ELEVATIONS
FOR SPACING

CONCRETE
3000 PSI MIN

DOOR HEAD
SERIES-8000 FRAME OPTION

DOOR CLOSERS OPTIONAL

ALTERNATE

W/ RIPPED LEG

M10
M22
M29
M32
M5
W1
S10
E2
M2
M20
M16
M17
M21
M18
M23
M54
M55
M56
M4
M19
M24
M25
M1
M6
M7
M8
M9
M51
M52
M53

CONCRETE
3000 PSI MIN

ALT. STANDARD THRESHOLD
NOT APPROVED FOR WATER INFILTRATION RESISTANCE

MAX. DOOR FRAME HEIGHT

EDGE DIST.

1/2" MAX (SEE CHARTS)
USING SPRING SUSP.

EDG. DIST.
1X OR 2X WOOD BUCKS AND METAL STRUCTURES NOT BY SUNSHINE WOW. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**TYPE 'A'-** 1/4" ULTRACON BY 'ELOCO' (Fy=177 KSI, Fy=155 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMB)
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
DIRECTLY INTO CONCRETE OR BLOCKS
2" MIN. EMBED INTO CONCRETE (HEAD/JAMB)
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

**ANCHOR EDGE DISTANCES**
INTO CONCRETE AND BLOCKS = 2" - 1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

**TYPE 'C'-** 5/16" ULTRA CON BY 'ELOCO' (Fy=177 KSI, Fy=155 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMB)
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
DIRECTLY INTO CONCRETE OR BLOCKS
2" MIN. EMBED INTO CONCRETE (HEAD/JAMB)
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

**ANCHOR EDGE DISTANCES**
INTO CONCRETE AND BLOCKS = 3" - 1/2" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.

**TYPE 'D'-** 1/4" TECS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR INTO METAL STRUCTURES (HEAD/JAMB)
3 THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE FLATRED OR PAINTED)

**ANCHOR EDGE DISTANCES**
INTO METAL STRUCTURE = 1/2" MIN.

**TYPE 'A1'-** 1/4" X 1-3/4" ULTRA CON BY 'ELOCO' (Fy=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE (FOR STD. AND HIGH THRESHOLD)
WITH 1-1/2" MIN. EMBED INTO CONCRETE

**ANCHOR EDGE DISTANCES**
INTO CONCRETE = 2" - 1/2" MIN.

**TYPE 'C1'-** 5/16" X 2" ULTRA CON BY 'ELOCO' (Fy=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE (FOR SADDLE THRESHOLD)
WITH 1-1/2" MIN. EMBED INTO CONCRETE

**ANCHOR EDGE DISTANCES**
INTO CONCRETE = 3" - 1/8" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.
MOUNTING HHT.
SUNSHINE WDW.
8000 OR 9500
WINDOW WALL SYSTEM
SEE SEPARATE NOA
FOR DOOR MULLION.
MULLION ANCHORS AND
TRIBUTARY LOAD
REQUIREMENTS
(TO BE REVIEWED BY AHJ)

41 13/16" MAX
LEAF WIDTH

41 13/16" MAX
LEAF WIDTH

41 13/16" MAX
LEAF WIDTH

48" MAX

107 9/16" MAX
LEAF HEIGHT

48" MAX

107 9/16" MAX
LEAF HEIGHT

277 MAX
TRANSOM HHT.

277 MAX
TRANSOM HHT.

45 1/4" MAX
LEAF WIDTH

94 1/4" MAX
LEAF HEIGHT

48" MAX

48" MAX

41 13/16" MAX
LEAF WIDTH

REINFORCING WILL VARY
SEE CURRENT APPROVAL OF
E.S. SERIES 8000
WINDOW WALL SYSTEM
FOR DETAILS

MIAMI-DADE COUNTY APPROVED
SERIES 8000 WINDOW WALL SYSTEM BY ‘SUNSHINE WDW.’
UNDER SEPARATE APPROVAL.
LOWER VALUES FROM DOOR CAPACITY CHARTS OR
WINDOW WALL APPROVAL WILL APPLY TO ENTIRE SYSTEM.

MIAMI-DADE COUNTY APPROVED
SERIES 9500 WINDOW WALL SYSTEM BY ‘SUNSHINE WDW.’
UNDER SEPARATE APPROVAL.
LOWER VALUES FROM DOOR CAPACITY CHARTS OR
WINDOW WALL APPROVAL WILL APPLY TO ENTIRE SYSTEM.
<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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<td>M22</td>
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<td>STRUCTURAL</td>
<td>4&quot; X 4&quot;</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>M23</td>
<td>2</td>
<td>THRESHOLD CUP</td>
<td></td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M24</td>
<td>AS RGD.</td>
<td>Structural</td>
<td>Silicone</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>M25</td>
<td>AS RGD.</td>
<td>Silicone</td>
<td></td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M26</td>
<td>3-1/2 CLOSER</td>
<td>SPACER</td>
<td>1/8&quot; X 2&quot;</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>M27</td>
<td>3-1/2 CLOSER</td>
<td>SPACER</td>
<td>1/8&quot; X 2&quot;</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>M28</td>
<td>3-1/2 CLOSER</td>
<td>SPACER</td>
<td>1/8&quot; X 2&quot;</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>M29</td>
<td>3-1/2 CLOSER</td>
<td>SPACER</td>
<td>1/8&quot; X 2&quot;</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>M30</td>
<td>AS RGD.</td>
<td>1/2 X 1/2&quot;</td>
<td>F.H. ST/ST</td>
<td></td>
<td>ST. STEEL</td>
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<tr>
<td>M31</td>
<td>W13231K</td>
<td>AS RGD.</td>
<td>PULL - DOOR SWEEP</td>
<td></td>
<td>WOOL</td>
</tr>
<tr>
<td>M32</td>
<td>W132755K</td>
<td>AS RGD.</td>
<td>PULL - HEADER</td>
<td></td>
<td>WOOL</td>
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</tbody>
</table>
LOCKS: (See Tables On Sheets 2 Thru 6 For Load Capacities)

OPTION #1: LIMIT MAX. LOADS TO ±80.0 PSF

ACTIVE & INACTIVE LEAF:
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
"JACKSON PANIC SYSTEM" #1285 LOCATED AT 41" FROM SILL AT EACH LEAF.
FASTENED WITH
(1) #14 X 1 1/2" HH SELF DRILLING SCREW AT ONE END AND
(2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END
OR
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY
"ADAMS RITE" LOCATED AT 40" FROM SILL
AT EACH LEAF.
FASTENED WITH
(2) #12 X 1/4" FH MACHINE SCREWS AT ONE END AND
(2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END

HINGES: (See Tables On Sheets 2 Thru 6 For Load Capacities)

OPTION #1:
OFFSET PIVOT HINGES
ALUMINUM AT TOP AND BOTTOM
FASTENED TO FRAME AND THRESHOLD WITH
#10-24 X 1/2" FH THREAD CUTTING SCREWS
(2) AT THRESHOLD, (2) AT JAMB BOTTOM
(3) AT FRAME HEAD
HEAVY DUTY BRASS OR BRONZE AT MIDSPAN
FASTENED TO FRAME AND LEAF WITH
(4) 1/4-20 X 5/8" MS

OPTION #2:
4 X 4 3/4" ST. STEEL BALL BEARING BUTT HINGES
LOCATED AT
11" FROM TOP & BOTTOM AND AT MIDSPAN
FASTENED TO DOOR FRAME AND LEAF STILE WITH
(4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP

OPTION #3:

ACTIVE LEAF:
KEY OPERATED THREE POINT LOCK SYSTEM 4015/4016 BY
"ADAMS RITE" WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL FASTENED WITH
(2) #12-24 X 1/2" FH MACHINE SCREWS

INACTIVE LEAF:
MANUALLY OPERATED TWO POINT LOCK SYSTEM 1860/81 BY
"ADAMS RITE" WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL FASTENED WITH
(2) #8-32 X 1/4" FH MACHINE SCREWS

CONCEALED BOLTS ENGAGEMENT INTO FRAMES = 1/2" MIN. TYP.