Sunshine Windows Manufacturing, Inc.
1745 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 “2001” 8’0” Outswing Dry Glazed Aluminum French Door w/ Sidelites–N.I.

APPROVAL DOCUMENT: Drawing No. FD–12–01, titled “Series 2001 8’0” Outswing Aluminum French Door with Sidelites–N.I.”, sheets 01 through 18 of 18, including 3A, 6A, dated 06/12/13 with Revision 2 dated 12/06/17, prepared by Manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami–Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, 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 revises NOA No. 16-1116.07 and consists of this 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 Jorge M. Plasencia, P.E.

NOA No. 17-1226.13
Expiration Date: May 02, 2022
Approval Date: April 26, 2018
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. **FD-12-01**, titled “Series-2001 8’0” Outswing Aluminum French Door with Sidelites-N.I.”, sheets 01 through 18 of 18, including 3A, 6A, dated 06/12/13 with Revision 1 dated 06/26/16, prepared by Manufacturer, signed and sealed by Francisco Hernandez, P.E.

   **B. TESTS**
   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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94
      5) Pre-Load Test per ASTM A574–12 Standard Specification for Alloy Steel Socket–Head Cap Screws
      along with marked-up drawings and installation diagram of aluminum outswing French door with sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–6853**, dated 06/14/12, signed and sealed by Marlin D. Brinson, P.E. *(Submitted under previous NOA No. 13-0418.02)*
   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, and TAS 202–94
      along with marked-up drawings and installation diagram of aluminum outswing French door with sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–2836**, dated 05/17/01, signed and sealed by Luis Figueredo, P.E. *(For reference only; Submitted under previous NOA No. 02–0108.01)*

   **C. CALCULATIONS**
   1. Anchor verification calculations and structural analysis, complying with **FBC–2014**, prepared, signed, sealed and dated 06/19/16 by Francisco Hernandez, P.E. *(Submitted under previous NOA No. 15-0508.09)*
   2. Comparative analysis calculations, prepared, signed, sealed, and dated 03/25/15 by Francisco Hernandez, P.E. *(Submitted under previous NOA No. 13-0418.02)*
   3. Glazing complies with ASTM E1300–09

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**Jorge M. Plasencia, P.E.**

**Product Control Unit Supervisor**

**NOA No. 17-1226.13**

**Expiration Date:** May 02, 2022

**Approval Date:** April 26, 2018
Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS


F. STATEMENTS

2. Statement letter of no financial interest, prepared, signed, sealed and dated 03/25/13 by Francisco Hernandez, P. E. *(Submitted under previous NOA No. 13-0418.02)*

3. Laboratory compliance letter for Test Report No. FTL–6853, issued by Fenestration Testing Laboratory, Inc., dated 06/14/12, signed and sealed by Marlin D. Brinson, P.E. *(Submitted under previous NOA No. 13-0418.02)*

4. Testing agreement letter, dated 04/17/12 between Fenestration Testing Laboratory (FTL) and Sunshine Windows Manufacturing, Inc., issued by FTL. *(Submitted under previous NOA No. 12–0209.05)*

5. One year approval, subjected to successful verification test, the final approval will be issued for the balance of the remaining 4 years, of a total of 5 years. *(Submitted under previous NOA No. 12–0209.05)*

6. Laboratory compliance letter for Test Report No. FTL–2836, issued by Fenestration Testing Laboratory, Inc., dated 05/17/01, signed and sealed by Luis Figueroedo, P.E. *(Submitted under previous NOA No. 02–0108.01)*

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1226.13
Expiration Date: May 02, 2022
Approval Date: April 26, 2018
G. OTHERS
1. Notice of Acceptance No. 15-0508.09, issued to Sunshine Windows Manufacturing, Inc. for their “Series-2001 8’-0” Outswing Dry Glazed Aluminum French Door with Sidelites – N.I.”, approved on 09/09/16 and expiring on 05/02/17.

2. NEW EVIDENCE SUBMITTED
A. DRAWINGS
1. Drawing No. FD–12–01, titled “Series 2001 8’0” Outswing Aluminum French Door with Sidelites–N.I.”, sheets 01 through 18 of 18, including 3A, 6A, dated 06/12/13 with Revision 2 dated 12/06/17, prepared by Manufacturer, signed and sealed by Francisco Hernandez, P.E.

B. TESTS
1. None.

C. CALCULATIONS
1. None.

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 NOA #16-1117.07, expiring on 05/02/22.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1226.13
Expiration Date: May 02, 2022
Approval Date: April 26, 2018

E – 3
GENERAL NOTES:

2. MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
3. REFERENCE TEST REPORT FTL - 6853 DATED ON 6/14/2012.
4. FOR ANCHOR TYPE AND SPACING REFER TO TYPICAL ELEVATIONS AND SECTIONS ON SHEET 12 THRU 16. SEE CLUSTER DETAILS ON SHEET 4 OF 16.
5. 1X OR 2X WOOD BUCKS NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE PROPERLY ATTACHED TO SUSTAIN AND TRANSFER THE LOADS IMPOSED BY THE GLAZING SYSTEM TO THE STRUCTURE AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
6. WOOD HOST STRUCTURE SHALL BE SOUTHERN YELLOW PINE G = 0.55 OF GREATER DENSITY.
7. CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
   - CONCRETE STRENGTH F'c'28 = 3000 PSI MIN.
   - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1.9 KSI.
   - FILLED CMU Fm' = 2000 PSI MIN.
9. ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 6TH EDITION (2017).
10. STEEL HOST STRUCTURE SHALL NOT BE LESS THAN 18 GAUGE. STEEL SHALL BE Fy = 36 KSI MIN.
11. DOORS REQUIRING FULL USER PASSAGE SHALL COMPLY WITH EGRESS REQUIREMENTS OF FBC 6TH EDITION (2017).
12. COLONIAL MUNTINGS CAN BE APPLIED.
13. SEE CORNERS DETAILS ON SHEET 18 OF 18.
14. USE NON-SHRINK, NON-METALIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.
15. GLASS WILL BE SECURED INTO THE ALUMINUM FRAME POCKET BY USE OF DRY, PRE-FORMED RESILIENT GASKET WITHOUT THE USE OF COMPOUND.

INDEX OF DRAWINGS:

1 OF 18 — GENERAL NOTES AND INDEX OF DRAWINGS.
2 OF 18 — ELEVATIONS.
3 OF 18 — ANCHOR DISTRIBUTION.
3A OF 18 — ANCHOR DISTRIBUTION.
4 OF 18 — CLUSTER DETAILS.
5 OF 18 — DESIGN PRESSURES CHARTS # 1 AND # 2.
6 OF 18 — DESIGN PRESSURES CHARTS # 3 AND # 4.
6A OF 18 — DESIGN PRESSURES CHART # 5 AND # 6.
7 OF 18 — HORIZONTAL SECTIONS.
8 OF 18 — HORIZONTAL SECTIONS.
9 OF 18 — HORIZONTAL SECTIONS.
10 OF 18 — HORIZONTAL SECTIONS AND VERTICAL SECTIONS.
11 OF 18 — BILL OF MATERIAL.
12 OF 18 — ATTACHMENT DETAILS.
13 OF 18 — ATTACHMENT DETAILS.
14 OF 18 — ATTACHMENT DETAILS.
15 OF 18 — ATTACHMENT DETAILS.
16 OF 18 — ATTACHMENT DETAILS.
17 OF 18 — GLAZING DETAILS.
18 OF 18 — CORNER ATTACHMENT DETAILS.

GENERAL NOTES AND INDEX OF DRAWINGS

THIS PRODUCT IS NOT IMPACT RESISTANT
MIAMI-DADE IMPACT RESISTANT SHUTTERS ARE REQUIRED
ELEVATIONS

THIS PRODUCT IS NOT IMPACT RESISTANT
MIAMI-DADE IMPACT RESISTANT SHUTTERS ARE REQUIRED

FOR TYPICAL SECTIONS SEE SHEETS 7 THRU 10
ANCHORS DISTRIBUTION

THIS PRODUCT IS NOT IMPACT RESISTANT
MIAMI-DADE IMPACT RESISTANT SHUTTERS ARE REQUIRED
ANCHORS DISTRIBUTION

THESE PRODUCTS ARE NOT IMPACT RESISTANT

MIAMI-DADE IMPACT RESISTANT SHUTTERS ARE REQUIRED
CLUSTER DETAIL # 1
TYPICAL AT HEAD AND SILL.

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" Kwik-Flex OR DRILL-FLEX OR 5 SELF DRILLING SCREWS IN METAL.

CLUSTER DETAIL # 2
TYPICAL AT HEAD AND SILL.

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" Kwik-Flex OR DRILL-FLEX OR 5 SELF DRILLING SCREWS IN METAL.

CLUSTER DETAIL # 3
TYPICAL AT HEAD AND SILL.

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" Kwik-Flex OR DRILL-FLEX OR 5 SELF DRILLING SCREWS IN METAL.

CLUSTER DETAIL # 4
TYPICAL AT HEAD AND SILL.

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" Kwik-Flex OR DRILL-FLEX OR 5 SELF DRILLING SCREWS IN METAL.

CLUSTER DETAIL # 5
TYPICAL AT HEAD AND SILL.

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" Kwik-Flex OR DRILL-FLEX OR 5 SELF DRILLING SCREWS IN METAL.

CLUSTER DETAIL # 6
TYPICAL AT HEAD AND SILL.

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" Kwik-Flex OR DRILL-FLEX OR 5 SELF DRILLING SCREWS IN METAL.

CLUSTER ANCHORS SHALL BE AS FOLLOWS:
- 5/16" # ULTRACTION BY ECC W/ 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" EDGE DISTANCE.
- 5/16" # ULTRACTION BY ECC W/ 1 7/8" MIN. PENETRATION INTO WOOD AND 2 1/2" EDGE DISTANCE.
- 1/4" # Kwik-Flex BY Halti OR DRILL-FLEX BY ECC OR 5 SELF DRILLING SCREWS THROUGH METAL.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 17-1226.13
Expiration Date 05/02/2022
By Miami-Dade Product Control

FRANCISCO HERNANDEZ
FLORIDA PE # 51393

SUNSHINE WINDOWS MANUFACTURING INC.
1745 W. 33RD PLACE
Hialeah, Florida 33012
Ph: (305)593-4002
Fax:(305)828-5118
## Design Pressure Charts #1 and #2

### Design Pressures Chart #1

**Design Pressures for 4 - 5/16" Dia. Ultracron Anchor Clusters installed in concrete at the top and bottom of sidelite/door interior Mullions and door astragal.**

<table>
<thead>
<tr>
<th>Door Leaf Width (Nominal)</th>
<th>Door and Sidelite Height (Nominal)</th>
<th>Maximum Sidelite Width When Sidelites Are Used at the Sides of the Door</th>
<th>Without Sidelites</th>
<th>With Sidelites</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'-0&quot;</td>
<td>8'-0&quot;</td>
<td>60.00 104.00</td>
<td>48&quot; 80.00</td>
<td>89.80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3'-6&quot; 8'-6&quot;</td>
<td>42&quot; 80.00</td>
<td>89.80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2'-6&quot; See Note 1</td>
<td>36&quot; 80.00</td>
<td>89.80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2'-0&quot; 6'-0&quot;</td>
<td>30&quot; 80.00</td>
<td>89.80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6'-0&quot; 12'-0&quot;</td>
<td>24&quot; 80.00</td>
<td>89.80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1'-0&quot;</td>
<td>18&quot;</td>
<td>-</td>
</tr>
</tbody>
</table>

**Wind Load A.S.D. Factor Note:**
The design pressures shown on these charts are for allowable stress design. Wind loads calculated based on "ultimate wind speeds" as determined from ASCE 7-10 or IBC 2012 are permitted to be multiplied by 0.8 for comparison between the acting wind loads and the design pressure of the units.

### Design Pressure Chart #2

**Design Pressures for 4 - 5/16" Dia. Ultracron Anchor Clusters installed in wood D4 - 1/4" Dia. Multi-Hkr-Flex installed in steel, at the top and bottom of sidelite/door interior Mullions and door astragal.**

<table>
<thead>
<tr>
<th>Door Leaf Width (Nominal)</th>
<th>Door and Sidelite Height (Nominal)</th>
<th>Maximum Sidelite Width When Sidelites Are Used at the Sides of the Door</th>
<th>Without Sidelites</th>
<th>With Sidelites</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'-0&quot;</td>
<td>8'-0&quot;</td>
<td>60.00 104.00</td>
<td>48&quot; 73.39</td>
<td>73.39</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3'-6&quot; 8'-6&quot;</td>
<td>42&quot; 77.16</td>
<td>77.16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2'-6&quot; See Note 1</td>
<td>36&quot; 80.00</td>
<td>81.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2'-0&quot; 6'-0&quot;</td>
<td>30&quot; 80.00</td>
<td>81.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6'-0&quot; 12'-0&quot;</td>
<td>24&quot; 80.00</td>
<td>81.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1'-0&quot;</td>
<td>18&quot;</td>
<td>-</td>
</tr>
</tbody>
</table>

**Note 1:**
Doors required full user passage shall comply with the requirements of the note No. 11 of the Sheet 01 of 18.

**Product Revised:**
As complying with the Florida Building Code NOA-No. 17-1226.13
Expiration Date 05/02/2022

By Miami-Dade Product Control

**Florida PE:** 51393

**Drawings:**
FD-12-01
Date: 06-12-13
Scale: NTS

**Sheet:** 5 of 18
### DESIGN PRESSURE CHART # 3

**DESIGN PRESSURES FOR 6 - 3/16" DIA. ULTRASON ANCHOR CLUSTERS INSTALLED IN CONCRETE AT THE TOP AND BOTTOM OF SIDELITE/DOOR INTERIOR MULLIONS AND DOOR ASTRAGAL.**

<table>
<thead>
<tr>
<th>DOOR LEAF WIDTH (NOMINAL)</th>
<th>DOOR AND SIDELITE HEIGHT (NOMINAL)</th>
<th>WITHOUT SIDELITES</th>
<th>WITH SIDELITES</th>
<th>MAXIMUM SIKIDITE WIDTH WHEN SIDELITES ARE USED AT THE SIDES OF THE DOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>POS.</td>
<td>NEG.</td>
<td>POS.</td>
</tr>
<tr>
<td>3' - 0'</td>
<td>80.00  90.00</td>
<td>48&quot;</td>
<td>80.00</td>
<td>89.80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>89.80</td>
</tr>
<tr>
<td>6' - 0'</td>
<td>80.00  104.00</td>
<td>48&quot;</td>
<td>80.00</td>
<td>90.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>100.00</td>
</tr>
<tr>
<td>2'-6&quot; SEE NOTE 1</td>
<td>80.00  113.33</td>
<td>48&quot;</td>
<td>80.00</td>
<td>110.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>110.00</td>
</tr>
<tr>
<td>3' - 0'</td>
<td>80.00  129.60</td>
<td>48&quot;</td>
<td>80.00</td>
<td>110.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>110.00</td>
</tr>
<tr>
<td>6' - 0'</td>
<td>80.00  129.60</td>
<td>48&quot;</td>
<td>80.00</td>
<td>110.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>110.00</td>
</tr>
</tbody>
</table>

**WIND LOAD A.S.D. FACTOR NOTE:**
The design pressures shown on these charts are for allowable stress design. Wind loads calculated based upon "ultimate wind speed" as determined from ASCE 7-10 or IBC 2012 are permitted to be multiplied by 0.8 for comparison between the acting wind loads and the design pressure of the units.

### DESIGN PRESSURE CHART # 4

**DESIGN PRESSURES FOR 6 - 5/16" DIA. ULTRASON ANCHOR CLUSTERS INSTALLED IN WOOD OR 6 - 1/4" DIA. HICKORY-FLEX INSTALLED IN STEEL AT THE TOP AND BOTTOM OF SIDELITE/DOOR INTERIOR MULLIONS AND DOOR ASTRAGAL.**

<table>
<thead>
<tr>
<th>DOOR LEAF WIDTH (NOMINAL)</th>
<th>DOOR AND SIDELITE HEIGHT (NOMINAL)</th>
<th>WITHOUT SIDELITES</th>
<th>WITH SIDELITES</th>
<th>MAXIMUM SIKIDITE WIDTH WHEN SIDELITES ARE USED AT THE SIDES OF THE DOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>POS.</td>
<td>NEG.</td>
<td>POS.</td>
</tr>
<tr>
<td>3' - 0'</td>
<td>80.00  90.00</td>
<td>48&quot;</td>
<td>80.00</td>
<td>90.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>90.00</td>
</tr>
<tr>
<td>6' - 0'</td>
<td>80.00  104.00</td>
<td>48&quot;</td>
<td>80.00</td>
<td>90.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>100.00</td>
</tr>
<tr>
<td>2'-6&quot; SEE NOTE 1</td>
<td>80.00  113.33</td>
<td>48&quot;</td>
<td>80.00</td>
<td>100.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>100.00</td>
</tr>
<tr>
<td>3' - 0'</td>
<td>80.00  129.60</td>
<td>48&quot;</td>
<td>80.00</td>
<td>100.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>100.00</td>
</tr>
<tr>
<td>6' - 0'</td>
<td>80.00  129.60</td>
<td>48&quot;</td>
<td>80.00</td>
<td>97.00</td>
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<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>97.00</td>
</tr>
<tr>
<td>2'-6&quot; SEE NOTE 1</td>
<td>80.00  129.60</td>
<td>48&quot;</td>
<td>80.00</td>
<td>99.77</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36&quot;</td>
<td>80.00</td>
<td>99.77</td>
</tr>
</tbody>
</table>

**NOTE 1**
DOORS REQUIRING FULL USER PASSAGE SHALL COMPLY WITH THE REQUIREMENTS OF THE NOTE NO. 11 OF THE SHEET 01 OF 18.

**PRODUCT REVISED as complying with the Florida Building Code NOA-No. 17-1226.13**
Expiration Date 05/02/2022

By Miami-Dade Product Control
**DESIGN PRESSURE CHARTS # 5 AND # 6**

**WIND LOAD A.S.D. FACTOR NOTE:**

The design pressures shown on these charts are for allowable stress design. Wind loads calculated based upon "Ultimate Wind Speed" as determined from ASCE 7-10 or 882-2012 are permitted to be multiplied by 0.6 for comparison between the acting wind loads and the design pressure of the units.

**DESIGN PRESSURE CHART # 5**

Design pressures for 2 - 5/16" dia. Ultron anchor clusters installed in concrete at the top and bottom of sidelite/door interior millwork and door astragal.

<table>
<thead>
<tr>
<th>Door Leaf Width (Nominal)</th>
<th>Door and Sidelite Height (Nominal)</th>
<th>Without Sidelites</th>
<th>With Sidelites</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'-0&quot;</td>
<td>61.74</td>
<td>61.74</td>
<td>48&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>42&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>36&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>24&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>18&quot;</td>
</tr>
<tr>
<td>8'-0&quot;</td>
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**DESIGN PRESSURE CHART # 6**

Design pressures for 2 - 5/16" dia. Ultron anchor clusters installed in wood or 2 - 1/4" dia. Hilti Kwik-Flex installed in steel at the top and bottom of sidelite/door interior millwork and door astragal.

<table>
<thead>
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<th>Door Leaf Width (Nominal)</th>
<th>Door and Sidelite Height (Nominal)</th>
<th>Without Sidelites</th>
<th>With Sidelites</th>
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**NOTE 1**

Doors requiring full user passage shall comply with the requirements of the note NO. 11 of the sheet 01 of 18.
HORIZONTAL SECTIONS

EXTERIOR

DOUBLE DOOR
WITH BACK TO BACK SIDELITES

1/4" TEMP. GLASS
3/16" TEMP. GLASS
ACTIVE LEAF
INACTIVE LEAF

SEE SECTIONS D REV. AND C REV.
ON SHEET 10 OF 18

EXTERIOR

DOUBLE DOOR
WITH TUBE AND SIDELITES

1/4" TEMP. GLASS
3/16" TEMP. GLASS
ACTIVE LEAF
INACTIVE LEAF

SEE SECTIONS

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 17-1226.13
Expiry Date 05/02/2022

By
Miami-Date Product Control
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

SUNSHINE WINDOWS
1746 W. 33rd Place
Hialeah, Florida 33012
Tel: (305)384-9552
Fax: (305)385-5118

No. 51393

DRAWING No.
FD-12-01
DATE: 06-12-13
SCALE: 1/2"=1'

SHEET 8 OF 18

REV. A
06-12-13
REV. B
12-04-17
REV. C
PROC 9th EDITION (2017)

REV. D
06-20-16
REV. E
09-03-18
REV. F
12-04-17
REV. G
PROC 8th EDITION (2014)

REV. H
11-02-15
REV. I
04-04-17
REV. J
PROC 7th EDITION (2011)

REV. K
11-02-15
REV. L
04-04-17
REV. M
PROC 6th EDITION (2007)

REV. N
11-02-15
REV. O
04-04-17
REV. P
PROC 5th EDITION (2004)

REV. Q
11-02-15
REV. R
04-04-17
REV. S
PROC 4th EDITION (2001)

REV. T
11-02-15
REV. U
04-04-17
REV. V
PROC 3rd EDITION (1999)

REV. W
11-02-15
REV. X
04-04-17
REV. Y
PROC 2nd EDITION (1997)

REV. Z
11-02-15
REV. AA
04-04-17
REV. BB
PROC 1st EDITION (1995)
HORIZONTAL SECTIONS

SINGLE DOOR
WITH BACK TO BACK SIDELITES

SINGLE DOOR
WITH TUBES AND SIDELITES
5/16" ULTRACON BY ELCO WITH 1 3/4" MIN. EMBREMENT INTO CONCRETE.
FOR MAX. ANCHOR SPACING REFER TO ANCHORS DISTRIBUTION, CLUSTER DETAILS, AND DESIGN PRESSURE CHARTS ON SHEETS 3 THROUGH 6A OF 1B. (TYP. FOR ANCHORS NOT INCLUDED IN CLUSTERS)

DOOR FRAME HEAD ATTACHMENT TO CONCRETE

INTERIOR

EXTERIOR

DOOR FRAME JAMB ATTACHMENT TO CONCRETE OR GROUT FILLED CONCRETE BLOCK

CONCRETE OR GROUT FILLED CONCRETE BLOCK

SIDE LITE HEAD/JAMB ATTACHMENT TO CONCRETE

INTERIOR

EXTERIOR

SIDE LITE SILL ATTACHMENT TO CONCRETE FLOOR SLAB

CONCRETE

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 17-1226.13
Expiration Date 05/02/2022
By Miami-Dade Product Control

ATTACHMENT DETAILS
ATTACHMENT DETAILS

DOOR FRAME HEAD ATTACHMENT TO WOOD

DOOR FRAME JAMB ATTACHMENT TO WOOD

CLUSTER ANCHORS SHALL BE AS FOLLOWS:
- 5/16" # ULTRACON BY ELCO WITH 1 7/8" MIN. EMBEDMENT INTO WOOD.
  FOR MAX. ANCHOR SPACING REFER TO ANCHORS DISTRIBUTION, CLUSTER DETAILS, AND DESIGN PRESSURE CHARTS ON SHEETS 3 THROUGH 6A OF 18.
(TYP. FOR ANCHORS NOT INCLUDED IN CLUSTERS)

5/16" # ULTRACON BY ELCO AT HEAD AND 1/4" ULTRACON BY ELCO AT JAMB WITH 1 7/8" MIN. EMBEDMENT INTO WOOD. FOR MAX. ANCHOR SPACING REFER TO ANCHORS DISTRIBUTION, CLUSTER DETAILS, AND DESIGN PRESSURE CHARTS ON SHEETS 3 THROUGH 6A OF 18.
(TYP. FOR ANCHORS NOT INCLUDED IN CLUSTERS)

SIDE LITE HEAD / JAMB ATTACHMENT TO WOOD

SIDE LITE SILL ATTACHMENT TO WOOD
ATTACHMENT DETAILS

DOOR FRAME HEAD ATTACHMENT TO METAL STRUCTURE

1/4" @ Kwik-Flex by Hilti or Drill-Flex by Elco or 5 self-drilling screws through metal with min. 3 threads beyond the substrate, for max. anchor spacing refer to anchors distribution, cluster details, and design pressure charts on sheets 3 through 6A of 18. (Typ. for anchors not included in clusters)

METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS, MINIMUM ALUMINUM ALLOY 6063-76 OR A-36 STEEL, SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

SIDE LITE HEAD/JAMB ATTACHMENT TO METAL STRUCTURE

1/4" @ Kwik-Flex by Hilti or Drill-Flex by Elco or 5 self-drilling screws through metal with min. 3 threads beyond the substrate, for max. anchor spacing refer to anchors distribution, cluster details, and design pressure charts on sheets 3 through 6A of 18. (Typ. for anchors not included in clusters)

METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS, MINIMUM ALUMINUM ALLOY 6063-76 OR A-36 STEEL, SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

SIDE LITE SILL ATTACHMENT TO METAL STRUCTURE

1/4" @ Kwik-Flex by Hilti or Drill-Flex by Elco or 5 self-drilling screws through metal with min. 3 threads beyond the substrate, for max. anchor spacing refer to anchors distribution, cluster details, and design pressure charts on sheets 3 through 6A of 18. (Typ. for anchors not included in clusters)

METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS, MINIMUM ALUMINUM ALLOY 6063-76 OR A-36 STEEL, SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
ATTACHMENT DETAILS

CLUSTER ANCHORS SHALL BE AS FOLLOWS:

- 5/16" Ø ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" MIN. EDGE DISTANCE.
- 5/16" Ø ULTRACON BY ELCO WITH 1 7/8" MIN. PENETRATION INTO WOOD AND 1 1/4" MIN. EDGE DISTANCE.
- 1/4" Ø KWK-FLEX BY HILTI OR DRL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTRATE.

FOR MAX. ANCHOR SPACING REFER TO ANCHORS DISTRIBUTION, CLUSTER DETAILS, AND DESIGN PRESSURE CHARTS ON SHEETS 3 THROUGH 6A OF 18.

(TYP. FOR ANCHORS NOT INCLUDED IN CLUSTERS)

DOOR FRAME HEAD ATTACHMENT TO MULLION

1/4" # KWK-FLEX BY HILTI OR DRL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTRATE.

FOR MAX. ANCHOR SPACING REFER TO ANCHORS DISTRIBUTION, CLUSTER DETAILS, AND DESIGN PRESSURE CHARTS ON SHEETS 3 THROUGH 6A OF 18.

(TYP. FOR ANCHORS NOT INCLUDED IN CLUSTERS)

SIDE LITE HEAD / JAMB ATTACHMENT TO MULLION

MIMI-DADE COUNTY APPROVED MULLION MINIMUM THICKNESS = 1/8" (UNDER SEPARATE APPROVAL)

SIDE LITE SILL ATTACHMENT TO MULLION

MIMI-DADE COUNTY APPROVED MULLION MINIMUM THICKNESS = 1/8" (UNDER SEPARATE APPROVAL)

DOOR FRAME JAMB ATTACHMENT TO MULLION

MIMI-DADE COUNTY APPROVED MULLION MINIMUM THICKNESS = 1/8" (UNDER SEPARATE APPROVAL)
GLAZING DETAILS

SIDELITE WITH BACK TO BACK GLAZING DETAIL

1/4" GLASS BITE
1/4" TEMP. GLASS
1/4" GLASS BITE

SIDELITE WITHOUT BACK TO BACK GLAZING DETAIL

1/4" GLASS BITE
1/4" TEMP. GLASS
1/4" GLASS BITE

FRENCH DOOR GLAZING DETAIL

3/16" TEMP. GLASS FOR DOOR.
1/2" GLASS BITE
CORNERS DETAILS

DOOR FRAME UPPER CORNER
2 # 10 BY 1" PH. SMS

DOOR PANEL UPPER CORNER
2 # 10 BY 1 1/2" PH. SMS

SIDELITE UPPER CORNER
2 # 8 BY 1" PH. SMS

DOOR FRAME BOTTOM CORNER
2 # 10 BY 1" PH. SMS

DOOR PANEL BOTTOM CORNER
2 # 10 BY 1 1/2" PH. SMS

SIDELITE BOTTOM CORNER
2 # 8 BY 1" PH. SMS