NOTICE OF ACCEPTANCE (NOA)

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.


APPROVAL DOCUMENT: Drawing No: SGD 14 Rev 1, titled “Series 2009-9H Aluminum Sliding Glass Door (L.M.I.)”, sheets 1 through 11 of 11, prepared by manufacturer, dated 09/05/14 and last revised on 10-11-17, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:
1. See Sheet 1 for Design Pressures and Pairs anchors requirements at frame jamb, intermediate anchors at head and sill (excluding cluster) and applicable to all sizes. See Pairs interlock/astragal clusters (Tot 8-anchors) detail Head or sill in Conc./Metal or Wood substrates in sheet 1, applicable to all configurations in sheet 2.
2. See sheets 3, 4 and 5 for full length steel reinforcement requirements at interlocks/astragal. Fix panel jamb full length clip item #11 to be secured with (2) item #29 from 4” corner and 14” OC.
3. Head and sill installation is limited into concrete and jams may be into concrete or grouted masonry blocks.

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 # 14-0926.17 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.

NOA No. 17-1025.05
Expiration Date: September 24, 2020
Approval Date: December 28, 2017
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
   1. Manufacturer's die drawings and sections
   2. Drawing No: SGD 14, titled “Series 2009-9H Aluminum Sliding Glass Door (L.M.I.)”, sheets 1 through 11 of 11, prepared by manufacturer, dated 09/05/14 and last revised on 07-22-15, 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) 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 diagrams of OXXO & XOOO Alum sliding Glass doors, prepared by Fenestration Testing Lab, Inc., Test Report No. FTL-7663 dated 07/10/14, signed and sealed by Idalmis Ortega, P. E.
   Note: This test report has an addendum letter dated July 21, 2015, issued by Fenestration Testing lab.

C. CALCULATIONS
   1. Anchor verification calculations and structural analysis, complying with FBC 2014, dated 09/05/14 and last revised on 07/22/15, prepared, signed and sealed by Francisco Hernandez, P.E.
   2. Glazing complies w/ ASTME-1300-02 & -04.

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 DeNemours & Co.) for the “SentryGlas® (Clear and White) Glass Interlayers”, expiring on 07/04/18.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2014(5th Edition) and letter of no financial interest, dated SEP 05, 2014, prepared, signed and sealed by Francisco Hernandez, P.E.
   2. Lab compliance as part of the above referenced test report.
   3. E-mail RER verification test agreement by Sunshine Windows, dated Sep 11, 2015, signed by Noel Martinez, Assistant Manager.

G. OTHER
   1. Test proposal dated 03/06/14, approved by Jaime D. Gascon, P.E.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1025.05
Expiration Date: September 24, 2020
Approval Date: December 28, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. New Evidence submitted.

A. DRAWINGS
   1. Drawing No: SGD 14 Rev 1, titled “Series 2009-9H Aluminum Sliding Glass Door (L.M.I.)”,
      sheets 1 through 11 of 11, prepared by manufacturer, dated 09/05/14 and last revised on 10-11-17,
      signed and sealed by Francisco Hernandez, P.E.
      Note: This revision consists of editorial FBC 2017 code related notes in sheet 1.

B. CALCULATIONS
   1. None

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

D. MATERIAL CERTIFICATIONS
   1. None

E. STATEMENTS
   1. Statement letter of conformance to FBC 2017 (6th Edition) dated 10/23/17, prepared, signed and
      sealed by Francisco Hernandez, P.E.

F. OTHER
   1. This NOA revises NOA # 14-0926.17, expiring 09/24/20.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1025.05
Expiration Date: September 24, 2020
Approval Date: December 28, 2017

E-2
### General Notes:
2. Shutter is not required.
4. For anchor type and spacing refer to typical elevations and sections on Sheet 2 thru 9.
5. A 1X or 2X wood block 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 (0.85 / 0.85) or greater density.
7. Concrete / Masonry structure for unit attachment shall comply with the following requirements:
   - Concrete strength f'k = 3000 psi.
   - Only as per ASTM C90. OMU must be 6-inch thick, normal weight blocks with a minimal compressive strength of 19 ksf.
   - Filled OMU f'k = 2000 psi min.
8. The thickness of the aluminum host structure shall not be less than 1/8". Aluminum shall be 6063-T6.
10. Steel host structure shall not be less than 1/8" thick. Steel shall be fy = 36 ksf min.
11. False colonial muntins can be surface applied.
13. Glass: 7/16" nominal laminated glass composed of (2) 3/16" heat strengthened glass with 0.60" of polymer interlayer.
14. Glass shall penetrate 0.04" into the aluminum frame pocket and will be secured with Dow 889 silicone sealant on the interior and vinyl bulb 3025 on the exterior.

### Design Pressures and Anchor Distribution Chart

<table>
<thead>
<tr>
<th>Nominal Panel Width in Inches</th>
<th>Nominal Panel Height in Inches</th>
<th>Number of Pairs of Anchors</th>
<th>Design Pressure (PSF)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Cluster at Each Interm</td>
<td>Intermediate at Head and at Sill (Excludes Anchors at Clusters)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ox or XX (2 Clusters)</td>
<td>Ox or XX (2 Clusters)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ox or XX (2 Clusters)</td>
<td>Ox or XX (2 Clusters)</td>
</tr>
<tr>
<td>24</td>
<td>81 1/2&quot;</td>
<td>4</td>
<td>4</td>
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<tr>
<td>30</td>
<td>96</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>36</td>
<td>109</td>
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<td>4</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>10</td>
<td>4</td>
</tr>
</tbody>
</table>

**Important Notes:**

The design pressures shown on this chart are for allowable design wind loads calculated based upon "Ultimate Wind Speed" as determined from ASCE 7-10 or ASCE 7-12 and are permitted to be multiplied by 0.6 for comparison between the acting wind loads and the design pressure of the units.

Panel Height = Frame Height - 1 1/2".

**Center Line:**

- Four double rows (cluster 8) of 6/16" Ultracon in concrete and wood or 1/4" knurl flex or drill flex or 5 self-drilling screws in metal.

**Product Review:**

- Complying with the Florida Building Code
- Acceptance No. FBC 2009-009
- Explanation Date 4-24-09

**State of Florida:**

- State of Florida License No. 51393

**Professional Engineer:**

- Professional Engineer License No. 51393

**Date:**

- 09-29-14

**Scale:**

- 1" = 1'-0"
ELEVATIONS OF APPROVED CONFIGURATIONS
REINFORCEMENT NOTE:

#31 - REINFORCEMENT AT THE CENTER OF THE ASTRALGAL FOR DOORS SMALLER THAN 96".
#32 - REINFORCEMENT AT THE LEFT OR RIGHT SIDE OF THE ASTRALGAL FOR DOORS EQUAL OR HIGHER THAN 96".
#33 - REINFORCEMENT AT THE INTERIOR PANELS FOR DOORS SMALLER THAN 96".
#34 - REINFORCEMENT AT THE EXTERIOR PANELS FOR DOORS EQUAL OR HIGHER THAN 96".

OX OR XO (2 PANELS - 2 TRACKS)

XX (2 PANELS - 2 TRACKS)

FOR INSTALLATION DETAILS SEE SHEETS 7 THRU 9

HORIZONTAL SECTIONS
PILE PADS LOCATION CHART

<table>
<thead>
<tr>
<th>SIZE</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4&quot; x 3&quot;</td>
<td>EACH END OF MOVING PANELS TOP RAIL</td>
</tr>
<tr>
<td>1 1/4&quot; x 3&quot;</td>
<td>RIGHT SIDE OF LEFT FIXED PANELS TOP RAIL</td>
</tr>
<tr>
<td>1 1/4&quot; x 3&quot;</td>
<td>LEFT SIDE OF RIGHT FIXED PANELS TOP RAIL</td>
</tr>
<tr>
<td>1&quot; x 3&quot;</td>
<td>RIGHT SIDE OF LEFT FIXED PANELS BOTTOM RAIL</td>
</tr>
<tr>
<td>1&quot; x 3&quot;</td>
<td>LEFT SIDE OF RIGHT FIXED PANELS BOTTOM RAIL</td>
</tr>
<tr>
<td>2&quot; x 6&quot;</td>
<td>FRAME HEAD AND BULL OF MOVING PANEL TRACK</td>
</tr>
<tr>
<td>1&quot; x 3&quot;</td>
<td>INSIDE THE FEMALE ASPRAGAL STYLE CAVITY AT THE</td>
</tr>
<tr>
<td>1 1/4&quot; x 3&quot;</td>
<td>INSIDE THE FEMALE ASPRAGAL STYLE CAVITY AT THE</td>
</tr>
</tbody>
</table>

FRAME UPPER CORNER CONSTRUCTION DETAIL

FRAME BOTTOM CORNER CONSTRUCTION DETAIL

Panel Corners Construction Detail

Glazing Detail

Vertical Section

For Installation Details See Sheets 7 Thru 9
ATTACHMENT TO CONCRETE THROUGH 1" X WOOD BUCK

ATTACHMENT TO CONCRETE WITHOUT WOOD BUCKS

ATTACHMENT TO WOOD

ATTACHMENT TO METAL STRUCTURE / MULLION

TYPICAL SECTIONS AT HEAD
ATTACHMENT TO DIFFERENT SUBSTRATES
ATTACHMENT TO CONCRETE OR GROUT FILLED BLOCK THROUGH 1" X WOOD BUCK

ATTACHMENT TO CONCRETE OR GROUT FILLED BLOCK

ATTACHMENT TO WOOD

ATTACHMENT TO METAL STRUCTURE

TYPICAL SECTIONS AT JAMBS

ATTACHMENT TO DIFFERENT SUBSTRATES
ATTACHMENT TO CONCRETE

5/16" # ULTRACON WITH 1 3/4" MIN. EMBEDED INTO CONCRETE FOR MAX. ANCHOR SPACING REFER TO TYPICAL ELEVATIONS ON SHEET 2 OF 11, AND CLUSTER DETAIL ON SHEET 1 OF 11.

ATTACHMENT TO METAL

1/4" # Kwik-Flex OR Drill-Flex OR 5 SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTRATE. REFER TO TYPICAL ELEVATIONS ON SHEET 2 OF 11, AND CLUSTER DETAIL ON SHEET 1 OF 11.

ATTACHMENT TO WOOD

WOMEN'S STRUCTURE BY OTHERS, MUST BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

5/16" # ULTRACON WITH 1 7/8" MIN. PENTRATION INTO WOOD. FOR MAX. ANCHOR SPACING REFER TO TYPICAL ELEVATIONS ON SHEET 2 OF 11, AND CLUSTER DETAIL ON SHEET 1 OF 11.

TYPICAL SECTIONS AT SILL

ATTACHMENT TO DIFFERENT SUBSTRATES
**BILL OF MATERIALS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART No.</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
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<tr>
<td>1</td>
<td>SSW-001</td>
<td>2 TRACK FRAME HEAD</td>
<td>6063-T6 ALUMINUM</td>
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<tr>
<td>2</td>
<td>SSW-002</td>
<td>2 TRACK FRAME SILL</td>
<td>6063-T6 ALUMINUM</td>
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<tr>
<td>3</td>
<td>SSW-003</td>
<td>2 TRACK FRAME JAMB</td>
<td>6063-T6 ALUMINUM</td>
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<td>SSW-004</td>
<td>PANEL TOP &amp; BOTTOM RAIL</td>
<td>6005-T6 ALUMINUM</td>
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<td>5</td>
<td>SSW-005</td>
<td>PANEL LOCK/FIXED STILE</td>
<td>6005-T6 ALUMINUM</td>
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<td>6</td>
<td>SSW-006</td>
<td>INTERLOCK STILE AT INTERIOR TRACK</td>
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<td>7</td>
<td>SSW-007</td>
<td>INTERLOCK STILE AT EXTERIOR TRACK</td>
<td>6005-T6 ALUMINUM</td>
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<td>ASTRAGAL STILE</td>
<td>6005-T6 ALUMINUM</td>
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<td>ASTRAGAL LOCK ADAPTER</td>
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<td>SSW-010</td>
<td>ASTRAGAL INTERNAL REINF. TUBE</td>
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<td>SSW-011</td>
<td>FIXED PANEL JAMB CLIP</td>
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<td>SSW-012</td>
<td>FIXED PANEL BOTTOM RAIL GUIDE</td>
<td>RIGID VINYL</td>
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<td>SSW-014</td>
<td>GLAZING BEAD - 7/16&quot;</td>
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<td>MORTISE LOCK</td>
<td>AMESBURY HARDWARE 597 SERIES</td>
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<td>TANDEM ROLLER (S.S.)</td>
<td>DELTA INDUSTRIAL SYSTEMS</td>
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<td>NDA 11-0624.02</td>
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<td>3/16&quot; H.S. + 0.09 50P + 3/16&quot; H.S.</td>
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<td>SILICONE SEALANT</td>
<td>DOW CORNING 899</td>
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<td>21</td>
<td>ZILOC 750</td>
<td>1/8&quot; X 1/4&quot; DOUBLE SIDED TAPE</td>
<td>PE FOAM GLAZING TAPE</td>
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<td>WEATHERSTRIP</td>
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<td>24</td>
<td>INTERLOCK/ASTRAGAL PILE PAD</td>
<td>SELF ADHESIVE PILE PAD</td>
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<td>25</td>
<td>FW3002</td>
<td>VINYL BULB 3025</td>
<td>FPMV</td>
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<td>26</td>
<td>1LY73</td>
<td>ASTRAGAL ADAPTER SCREWS</td>
<td>#10 X 1 3/4&quot; P.H. S.M.S.</td>
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<td>1LY63</td>
<td>FRAME ASSEMBLY SCREWS</td>
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<td>3&quot; X 3&quot; X 1/8&quot; ALUMINUM ANGLE</td>
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<tr>
<td>31</td>
<td>ASTRAGAL REINFORCEMENT BAR</td>
<td>0.453&quot; X 2.487&quot; ALUMINUM BAR</td>
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<td>INTERLOCK REINFORCEMENT BAR</td>
<td>0.453&quot; X 1.719&quot; ALUMINUM BAR</td>
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**BILL OF MATERIALS AND PARTS DETAILS**
PARTS DETAILS