NOTICE OF ACCEPTANCE (NOA)

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 “2011” Aluminum outswing French Door-None Impact

APPROVAL DOCUMENT: Drawing No: FD18-01, titled “Series 2011 Aluminum French Door-NF”, sheets 1 through 16 of 16, prepared by manufacturer, dated 11/25/18, prepared and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None. Approved applicable Hurricane Protection Devices, complying w/ FBC are required.

Limitations:
1. See Sheet 5 for Chart Design Pressures VS glass types and anchor types into various substrates. See anchor spacing in sheet 3 at jambs into various substrates. See Clusters of anchors required at Head/ Sill of interlock/astralag and Head/sill corners in various substrates, in sheet 4. See anchor installation details in sheet 12 thru 15.
2. Doors with Standard Threshold (item #3) is water rated. Handicap Threshold (item #4) is not rated for water, ADA compliance to be reviewed by AHJ.
3. See sheet 2 for flush bolts requirement for single and double doors. All doors require cylindrical lock plus Dead bolt.

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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 18-0821.03
Expiration Date: December 27, 2023
Approval Date: December 27, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections.
2. Drawing No: FD18-01, titled "Series 2011 Aluminum French Door-NI", sheets 1 through 16 of 16, prepared by manufacturer, dated 11/25/18, signed and sealed by Francisco Hernandez, P.E.

B. TESTS
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94 (0.24 cfm/ ft² @ 1.57 PSF)
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of aluminum French doors, prepared by Fenestration Testing Laboratory, Inc. Test Report No. FTL-9456, dated 08/01/18, signed and sealed by Idalmis Ortega, P.E. (Note: This test report has addendum letter dated 11/3/18 issued by FTL).

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC 2017 (6th Edition),
dated 08-13-18 and revised on 11/23/18, prepared, signed and sealed by Francisco Hernandez, P.E.
2. Glazing complies w/ ASTME-1300-02, -04 & -09.

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

E. MATERIAL CERTIFICATIONS
1. None.

F. STATEMENTS
1. Statement letter of conformance to FBC 2017(6th Edition) and letter of no financial interest, dated 08/08/18, prepared, signed and sealed by Francisco Hernandez, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER
1. Test proposal # 16-0889 dated 08/11/16, issued by RER.

Ishaq L. Chanda, P.E.
Product Control Examiner
NOA No. 18-0821.03
Expiration Date: December 27, 2023
Approval Date: December 27, 2018
GENERAL NOTES:

1. THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 6TH EDITION (2017)

2. SHUTTERS COMPLYING WITH FBC HVAZ ARE REQUIRED.

3. REFERENCE TEST REPORT FTL-9456 DATED ON 04/12/2018.

4. FOR INSTALLATION REFER TO ANCHOR DISTRIBUTION ELEVATIONS ON SHEET 3 OF 16, CLUSTERS DETAILS ON SHEET 4 OF 16 AND TYPICAL SECTIONS ON SHEETS 12 THRU 15.

5. WOOD BUCKS NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE PROPERLY ANCHORED AND SEALED 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 NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE SOUTHERN YELLOW PINE G = 0.55 OR GREATER DENSITY AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

7. CONCRETE (AT HEAD AND THRESHOLD) / FILLED MASONRY STRUCTURE (AT JAMBS) FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
   - CONCRETE STRENGTH C28 = 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.

8. STEEL HOST STRUCTURE NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL NOT BE LESS THAN 1/8" THICK. STEEL SHALL BE Fy = 36 KSI MIN. STEEL STRUCTURE SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

9. ALUMINUM HOST STRUCTURE NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL. THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN 1/8" ALUMINUM SHALL BE 6063-T6 AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

10. ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC.

11. DOORS SHALL COMPLY WITH EGRESS REQUIREMENTS OF FBC, AS APPLICABLE AND TO BE REVIEWED BY BUILDING OFFICIAL HAVING JURISDICTION.

12. COLONIAL FALSE MUNTINS CAN BE SURFACE APPLIED.

13. SEE CORNERS DETAILS ON SHEET 16 OF 16.

14. FOR 1/4" SHIM SPACE AT THRESHOLD USE NON-SHRINK, NON-METALLIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.

15. ALL DOORS TO BE EQUIPPED WITH CYLINDRICAL LOCK AND DEAD BOLT.

GENERAL NOTES AND INDEX OF DRAWINGS

THIS PRODUCT IS NOT IMPACT RESISTANT SHUTTERS ARE REQUIRED

INDEX OF DRAWINGS:

1 OF 16 – GENERAL NOTES AND INDEX OF DRAWINGS.
2 OF 16 – SINGLE AND DOUBLY OUTSWING DOOR ELEVATIONS.
3 OF 16 – ANCHORS DISTRIBUTION.
4 OF 16 – CLUSTER DETAILS.
5 OF 16 – DESIGN PRESSURES CHARTS.
6 OF 16 – VERTICAL SECTIONS A, B AND C.
7 OF 16 – HORIZONTAL SECTIONS D AND E.
8 OF 16 – HORIZONTAL SECTIONS F AND G.
9 OF 16 – HORIZONTAL SECTIONS H.
10 OF 16 – EXTRUSIONS.
11 OF 16 – MATERIAL LIST AND GLAZING DETAILS.
12 OF 16 – DOOR FRAME HEAD INSTALLATION DETAILS.
13 OF 16 – DOOR FRAME JAMB INSTALLATION DETAILS.
14 OF 16 – DOOR FRAME STANDARD THRESHOLD INSTALLATION DETAILS.
15 OF 16 – DOOR FRAME HANDICAP THRESHOLD INSTALLATION DETAILS.
16 OF 16 – CORNERS DETAILS.
SINGLE DOOR D.L.O.
D.L.O. HEIGHT = FRAME HEIGHT = 15 1/8"
D.L.O. WIDTH = FRAME WIDTH = 13 3/16"

SINGLE DOOR EXTERIOR ELEVATION

DOUBLE DOOR EXTERIOR ELEVATION

SINGLE DOOR INTERIOR ELEVATION

DOUBLE DOOR INTERIOR ELEVATION

OUTSWING DOOR ELEVATIONS

THIS PRODUCT IS NOT IMPACT RESISTANT SHUTTERS ARE REQUIRED
ANCHOR DISTRIBUTION ELEVATIONS

THIS PRODUCT IS NOT IMPACT RESISTANT SHUTTERS ARE REQUIRED
CLUSTER DETAIL 1
MEETING STILE / ASTRAGAL END
(5 ANCHORS IN CONCRETE OR METAL)
USE FOR HEAD AND THRESHOLD AT THE CENTER OF DOUBLE DOORS.

CLUSTER DETAIL 2
DOOR CORNER
(2 ANCHORS IN CONCRETE OR METAL)
USE FOR HEAD AND THRESHOLD AT THE CORNER OF ALL DOORS.

CLUSTER DETAIL 1A
MEETING STILE / ASTRAGAL END
(5 ANCHORS IN WOOD)
USE FOR HEAD AND THRESHOLD AT THE CENTER OF DOUBLE DOORS.

CLUSTER DETAIL 2A
DOOR CORNER
(2 ANCHORS IN WOOD)
USE FOR HEAD AND THRESHOLD AT THE CORNER OF ALL DOORS.

NOTES:
1. SEE SHEETS 12 THROUGH 16 FOR INSTALLATION DETAILS.
2. SEE SUBSTRATES SPECIFIC NOTES 6, 7, 8 AND 9 IN SHEET 1 OF 16.

CLUSTER ANCHORS SHALL BE AS FOLLOWS:
- 5/16" ULTRACON BY ELCO (Fu = 188 KSI, Fy = 155 KSI) WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 3 1/8" MIN. EDGE DISTANCE.
- 5/16" ULTRACON BY ELCO (Fu = 188 KSI, Fy = 155 KSI) WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1 1/4" MIN. EDGE DISTANCE.
- 1/4" DRILL-FLEX BY ELCO GR 5 (KSI, Fy = 160 KSI) SELF DRILLING SCREWS THROUGH METAL AND, MIN. 3 THREADS BEYOND SUBSTRATE.

HEAD AND THRESHOLD CLUSTER DETAILS
# DESIGN PRESSURES CHARTS

## DESIGN PRESSURES WITH 5/16" # ULTRACON ANCHORS INSTALLED IN CONCRETE OR 1/4" DRILL-FLEX OR 5 SELF DRILLING SCREWS INSTALLED IN METAL AT HEAD AND THRESHOLD OF DOOR

(SEE SHEET 3 OF 16 FOR DETAILS)

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<th>Door Panel Width (Nominal)</th>
<th>Door Frame Height (Nominal)</th>
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<th>1/4&quot; Tempered Glass</th>
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## WIND LOAD A.S.D. FACTOR NOTE:

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

## NOTES:

1. DOORS REQUIRING EGRESS (FULL USER PASSAGE) SHALL COMPLY WITH THE REQUIREMENTS OF NOTE NO. 11 ON SHEET 1 OF 16.
2. DOORS WITH STANDARD THRESHOLD (ITEM #3) SHALL BE USED WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
3. HANDicap THRESHOLD (ITEM #4) IS NOT RATED FOR WATER INFILTRATION.
4. ALL DOORS REQUIRE CYLINDRICAL LOCK AND DEAD BOLT.
5. ALL SINGLE DOORS REQUIRE 2 FLUSH BOLTS TOP/BOTTOM OF LOCK STILE.
6. ALL DOUBLE DOORS REQUIRE 4 FLUSH BOLTS IN TOTAL: 2 FLUSH BOLTS (TOP/BOTTOM OF ACTIVE PANEL) 2 FLUSH BOLTS (TOP/BOTTOM OF INACTIVE PANEL)
VERTICAL SECTIONS

NOTE:
SEE GLAZING DETAILS ON SHEET 11 OF 16

FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 16
HORIZONTAL SECTIONS
(SINGLE OUTSWING DOOR WITH TOP/BOTTOM FLUSH BOLT REQUIRED)

NOTE:
SEE GLAZING DETAILS ON SHEET 11 OF 16

FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 16
HORIZONTAL SECTIONS

(DOUBLE OUTSWING DOOR HINGE STILES)

NOTE:
SEE GLAZING DETAILS ON SHEET 11 OF 16

FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 16
HORIZONTAL SECTIONS

(DOUBLE OUTSWING DOOR MEETING STILE/ASTRAGAL WITH FLUSH BOLT REQUIRED)

NOTE:
SEE GLAZING DETAILS ON SHEET 11 OF 16

FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 16
### MATERIAL LIST AND GLAZING DETAILS

#### MATERIAL LIST

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#### GLAZING DETAIL

**GLAZING DETAIL GLASS TYPE 1**

- 3/16" TEMP. GLASS
- T-SLOT EXTRUDER SEAL BULB
- DOUBLE FACE GLAZING TAPE
- INTERIOR
- EXTERIOR
- DOW CORNING 899
- GLASS BOLT

**GLAZING DETAIL GLASS TYPE 2**

- 1/4" TEMP. GLASS
- T-SLOT EXTRUDER SEAL BULB
- DOUBLE FACE GLAZING TAPE
- INTERIOR
- EXTERIOR
- DOW CORNING 899
- GLASS BOLT

Approved as complying with the Florida Building Code
Dow 12/17/15
NOAP 12/18/15

By: [Signature]
TYPICAL SECTIONS AT DOOR FRAME HEAD ATTACHMENT TO DIFFERENT SUBSTRATES
TYPICAL SECTIONS AT DOOR FRAME JAMB ATTACHMENT TO DIFFERENT SUBSTRATES

1' x WOOD BUCK BY OTHERS MUST BE PROPERLY SEALED AND ANCHORED TO TRANSFER LOADS TO THE STRUCTURE AND APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

DOOR FRAME JAMB ATTACHMENT TO CONCRETE OR GROUT FILLED BLOCK WITHOUT WOOD BUCK

5/16" # ULTRACON (Fy=155 ksi, Fu=188 KSI) WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE/ GROUT FILLED BLOCK. FOR ANCHOR DISTRIBUTION SEE ELEVATIONS ON SHEET 3 OF 16.

DOOR FRAME JAMB ATTACHMENT TO CONCRETE OR GROUT FILLED BLOCK THROUGH 1' X WOOD BUCK

5/16" # ULTRACON (Fy=155 ksi, Fu=188 KSI) WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE/ GROUT FILLED BLOCK THROUGH 1' X WOOD BUCK. FOR ANCHOR DISTRIBUTION SEE ELEVATIONS ON SHEET 3 OF 16.

DOOR FRAME JAMB ATTACHMENT TO METAL STRUCTURE / MULLION

MANNI-DADE COUNTY APPROVED MULLION WITH 1/8" MIN. THICKNESS (UNDER SEPARATE NOA) OR METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS. MINIMUM ALUMINUM ALLOY 6063-16 OR A-36 STEEL. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

DOOR FRAME JAMB ATTACHMENT TO WOOD

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

DOOR FRAME JAMB ATTACHMENT METAL STRUCTURE / MULLION

1/4" x DRILL-FLEX GR 5 SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTRATE FOR ANCHOR DISTRIBUTION SEE ELEVATIONS ON SHEET 3 OF 16.

NOTE:
FOR SUBSTRATES DESCRIPTION REFER TO GENERAL NOTES 6, 7, 8 AND 9 ON SHEET 1 OF 16.
DOOR FRAME STANDARD THRESHOLD ATTACHMENT TO CONCRETE

1/4" SHIM SPACE
USE NON-SHRINK NON-METALLIC 5 KS HYDRAULIC CEMENT CURLED AND HARDENED GROUT CONTINUOUSLY ALONG THE THRESHOLD.

5/16" Φ ULTRACON (f_y=155 ksi, f_u=188 ksi) WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE. FOR ANCHOR DISTRIBUTION SEE ELEVATIONS ON SHEET 3 OF 16.

DOOR FRAME STANDARD THRESHOLD ATTACHMENT TO METAL STRUCTURE / MULLION

MIAMI-DADE COUNTY APPROVED MULLION WITH 1/8" MIN. THICKNESS (UNDER SEPARATE NDA) OR METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS. MINIMUM ALUMINUM ALLOY 6063-T6 OR AISI-36 STEEL. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

1/4" # DRIL-FLEX GR 5 SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTRATE. FOR ANCHOR DISTRIBUTION SEE ELEVATIONS ON SHEET 3 OF 16.

DOOR FRAME STANDARD THRESHOLD ATTACHMENT TO WOOD

5/16" Φ ULTRACON (f_y=155 ksi, f_u=188 ksi) WITH 1 1/2" MIN. EMBEDMENT INTO WOOD. FOR ANCHOR DISTRIBUTION SEE ELEVATIONS ON SHEET 3 OF 16.

NOTES:
1. FOR SUBSTRATES DESCRIPTION REFER TO GENERAL NOTES 6, 7, 8 AND 9 ON SHEET 1 OF 16.
2. STANDARD THRESHOLD IS WATER RATED. IT SHALL BE USED WHERE WATER INfiltrATION RESISTANCE IS NEEDED.

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

TYPICAL SECTIONS AT STANDARD DOOR THRESHOLD ATTACHMENT TO DIFFERENT SUBSTRATES
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