



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

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 the Revision 1 dated 06/26/16, 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. 13-0418.02** 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 **Jorge M. Plasencia, P. E.**



JM
09/07/2016

NOA No. 15-0508.09
Expiration Date: May 02, 2017
Approval Date: September 15, 2016
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 Screwsalong 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 202-94along 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. *(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.
2. **Glazing complies with ASTM E1300-09**

D. QUALITY ASSURANCE

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



Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 15-0508.09
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Approval Date: September 15, 2016

Sunshine Windows Manufacturing, Inc.

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E. MATERIAL CERTIFICATIONS

1. Melpoint Plastics International, Inc. Part No. **3046** FPVC glazing gaskets complying with **ASTM D638-03** "Standard Test Methods for Tensile Properties of Plastics", **ASTM D792-08** "Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement", **ASTM D2240-05** (2010) "Standard Test Method for Rubber Property—Durometer Hardness" and **ASTM D746-04** "Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact".
(Submitted under previous NOA No. 13-0418.02)
2. Melpoint Plastics International, Inc. Part No. **5547** FPVC glazing gasket complying with **ASTM D638-03** "Standard Test Methods for Tensile Properties of Plastics", **ASTM D792-08** "Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement", **ASTM D2240-05** (2010) "Standard Test Method for Rubber Property—Durometer Hardness" and **ASTM D746-04** "Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact".
(Submitted under previous NOA No. 13-0418.02)

F. STATEMENTS

1. Statement letter of conformance AAMA/WDMA/CSA 101/I.S.2/A440 and complying with **FBC-2014, 5th edition**, prepared, signed, sealed and dated 04/28/15 by Francisco Hernandez, P. E.
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)*
2. 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)*
3. 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)
4. 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)
5. Laboratory compliance letter for Test Report No. **FTL-2836**, issued by Fenestration Testing Laboratory, Inc., dated 05/17/01, signed and sealed by Luis Figueredo, P. E.
(Submitted under previous NOA No. 02-0108.01)

G. OTHERS

1. Notice of Acceptance No. **13-0418.02**, issued to Sunshine Windows Manufacturing, Inc. for their "**Series-2001 8-Ft. Outswing Dry Glazed Aluminum French Door with Sidelites – N.I.**", approved on 08/22/13 and expiring on 05/02/17.



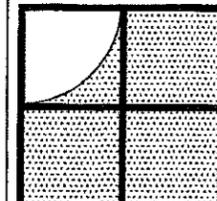
Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 15-0508.09
Expiration Date: May 02, 2017
Approval Date: September 15, 2016

GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014).
- 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 18.
- 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 $F_m' = 2000$ PSI MIN.
- 8.- THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6.
- 9.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).
- 10.- STEEL HOST STRUCTURE SHALL NOT BE LESS THAN 18 GAUGE. STEEL SHALL BE $F_y = 36$ KSI MIN.
- 11.- DOORS REQUIRING FULL USER PASSAGE SHALL COMPLY WITH EGRESS REQUIREMENTS OF FBC 5TH EDITION (2014).
- 12.- COLONIAL MUNTINS 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:

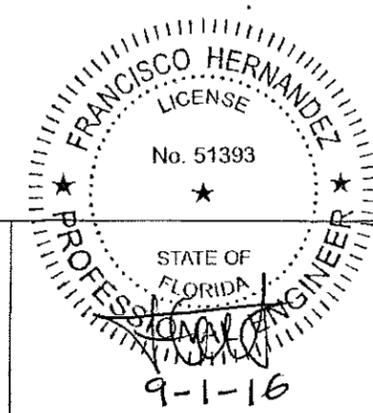
- 1 OF 18 .- GENERAL NOTES AND INDEX OF DRAWINGS.
- 2 OF 18 .- ELEVATIONS.
- 3 OF 18 .- ANCHOR DISTRIBUTION.
- 3A OF 18 .- ANCHOR DISTRIBUTION.
- 4 OF 18 .- CLUSTER DETAILS.
- 5 OF 18 .- DESIGN PRESSURES CHARTS # 1 AND # 2.
- 6 OF 18 .- DESIGN PRESSURES CHARTS # 3 AND # 4.
- 6A OF 18 .- DESIGN PRESSURES 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.



Sunshine Windows Manufacturing, Inc.
 1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)364-9952
 Fax:(305)828-5118

SERIES 2001 8'0" OUTSWING
 ALUMINUM FRENCH DOOR
 WITH SIDE LITES - N.I.

No	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)



PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. **15-0508.09**
 Expiration Date **05/02/2017**
 By *[Signature]*
 Miami-Dade Product Control

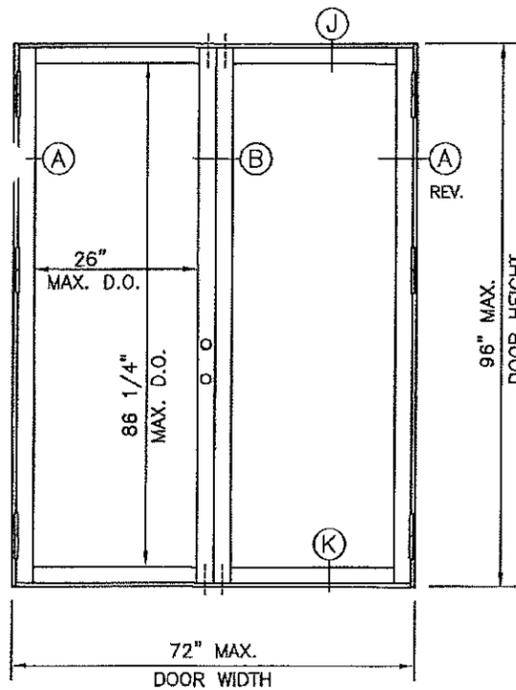
FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

DRAWING No.
 FD-12-01
 DATE: 06-12-13
 SCALE: NTS
 SHEET 1 OF 18

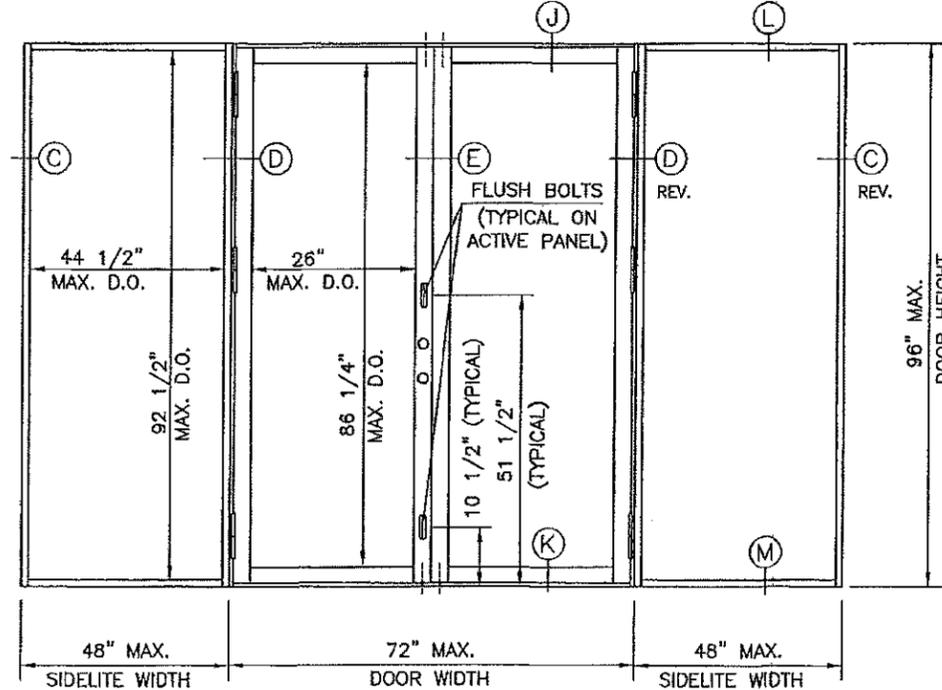
GENERAL NOTES AND INDEX OF DRAWINGS

THIS PRODUCT IS NOT IMPACT RESISTANT

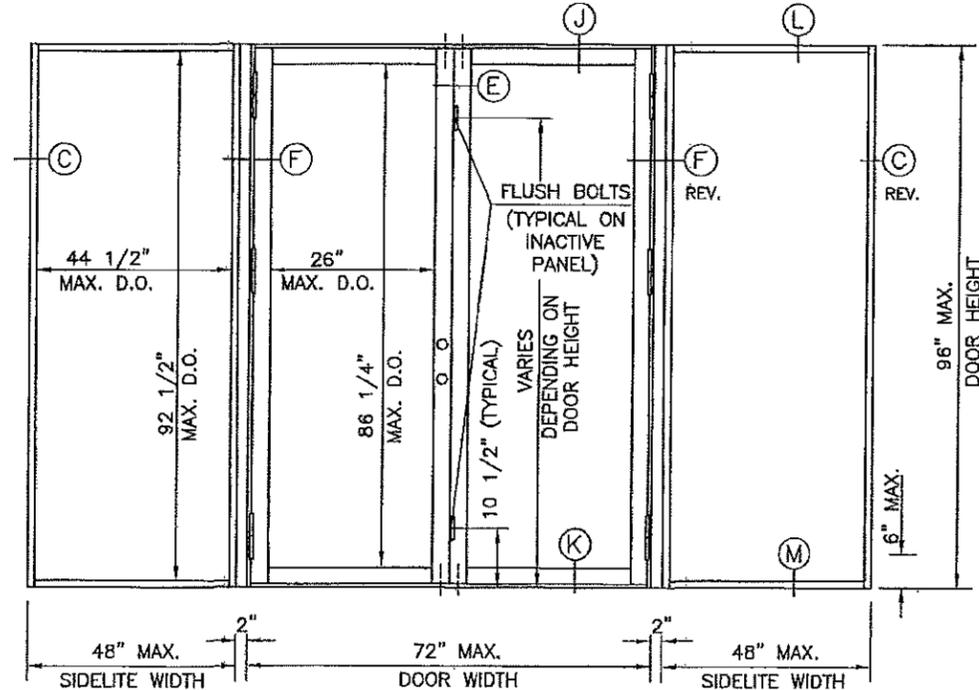
MIAMI-DADE IMPACT RESISTANT SHUTTERS ARE REQUIRED



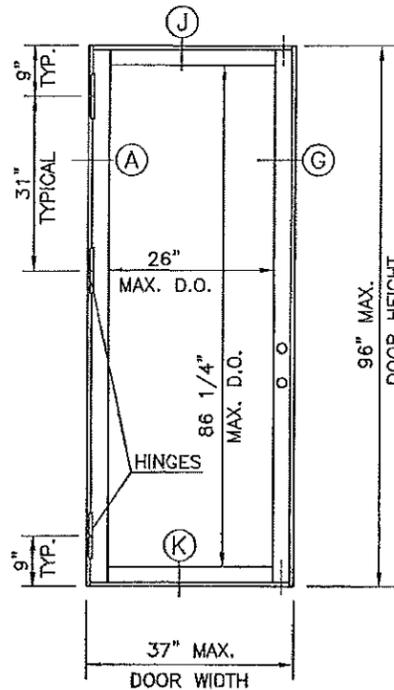
DOUBLE DOOR



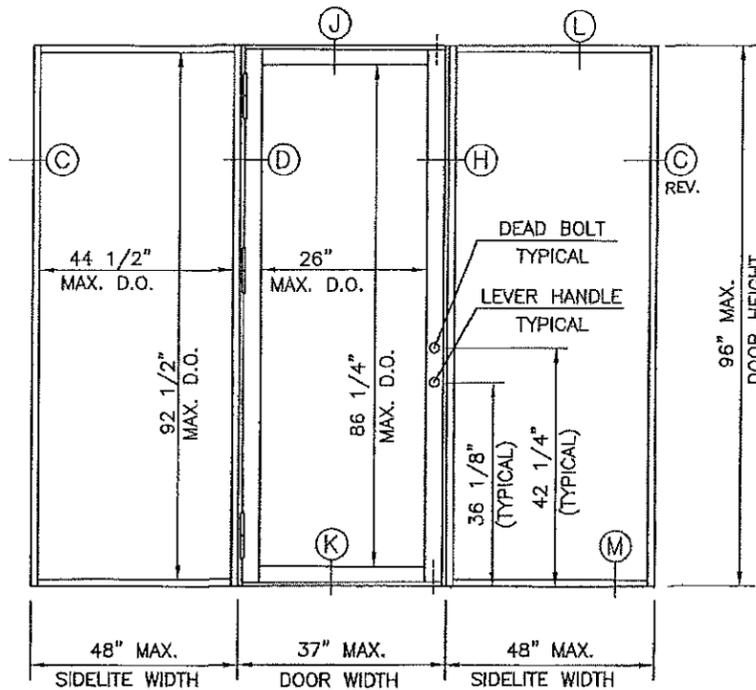
DOUBLE DOOR W/ BACK TO BACK SIDELITES



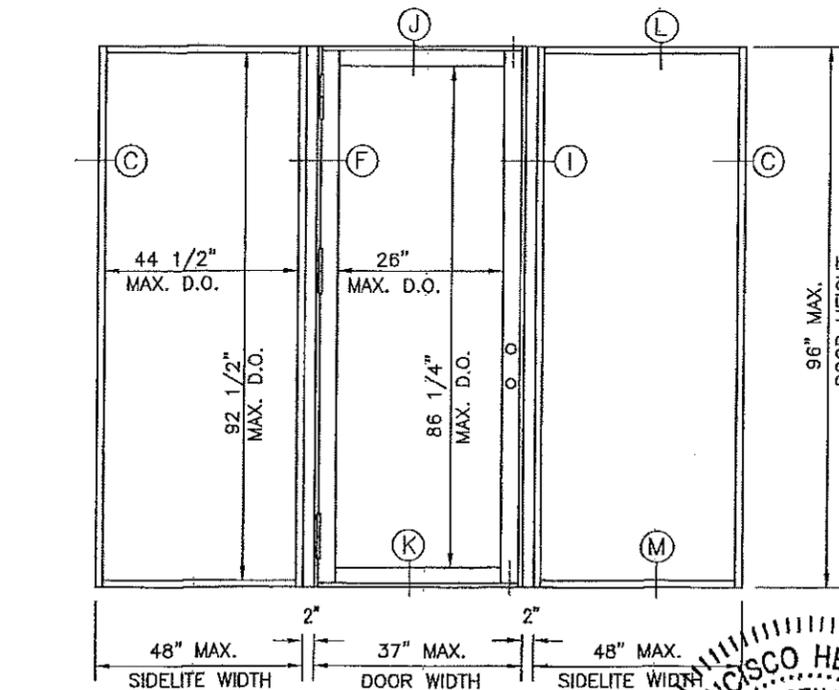
DOUBLE DOOR W/ UNCLIPPED MULLIONS & SIDELITES



SINGLE DOOR



SINGLE DOOR W/ BACK TO BACK SIDELITES



SINGLE DOOR W/ UNCLIPPED MULLIONS & SIDELITES

FOR TYPICAL SECTIONS SEE SHEETS 7 THRU 10

ELEVATIONS

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

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By *[Signature]*
Miami-Dade Product Control

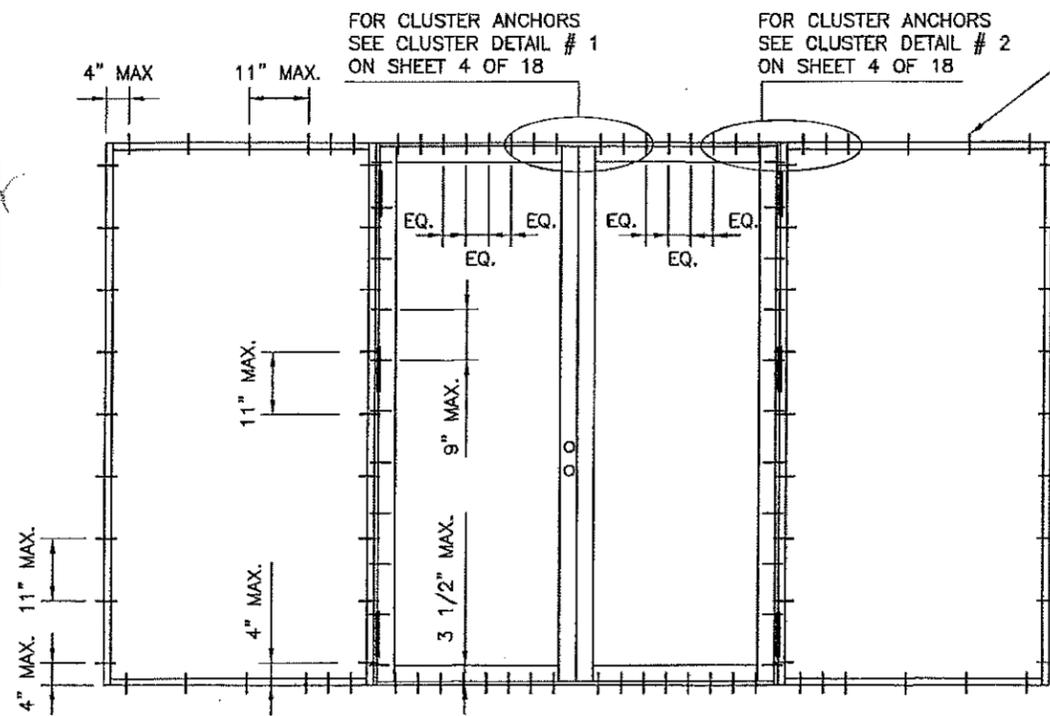
Professional Engineer
Francisco Hernandez
License No. 51393
State of Florida
9-1-16
Francisco Hernandez
Florida PE # 51393

Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
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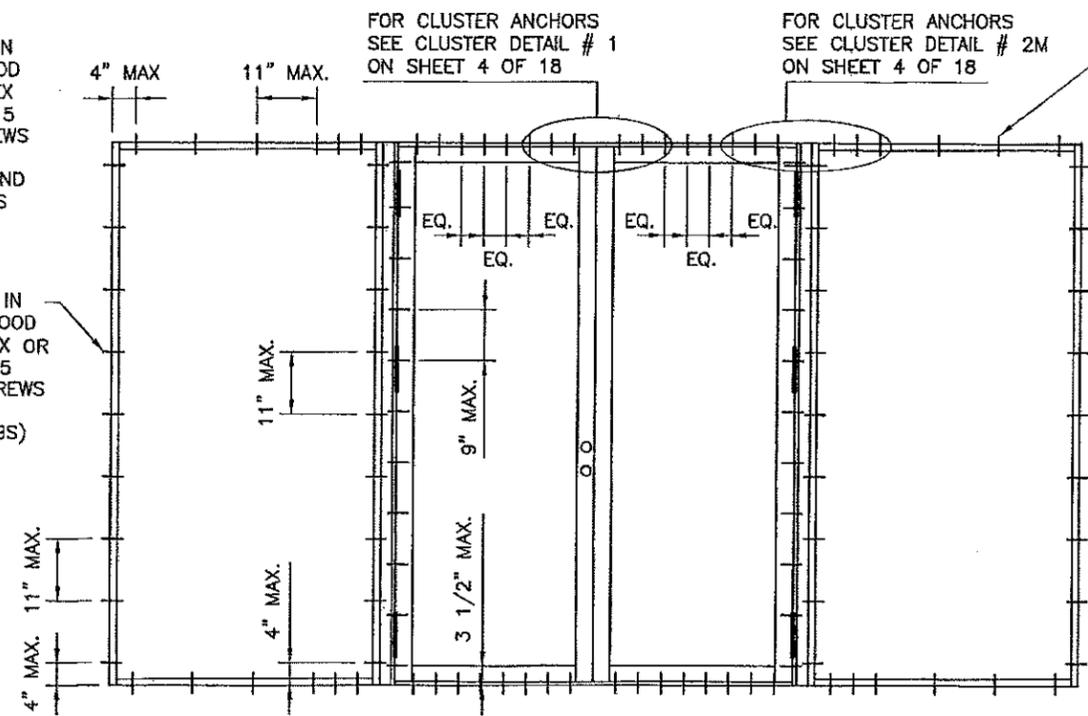
**SERIES 2001 8'0" OUTSWING
ALUMINUM FRENCH DOOR
WITH SIDELITES - N.I.**

No	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

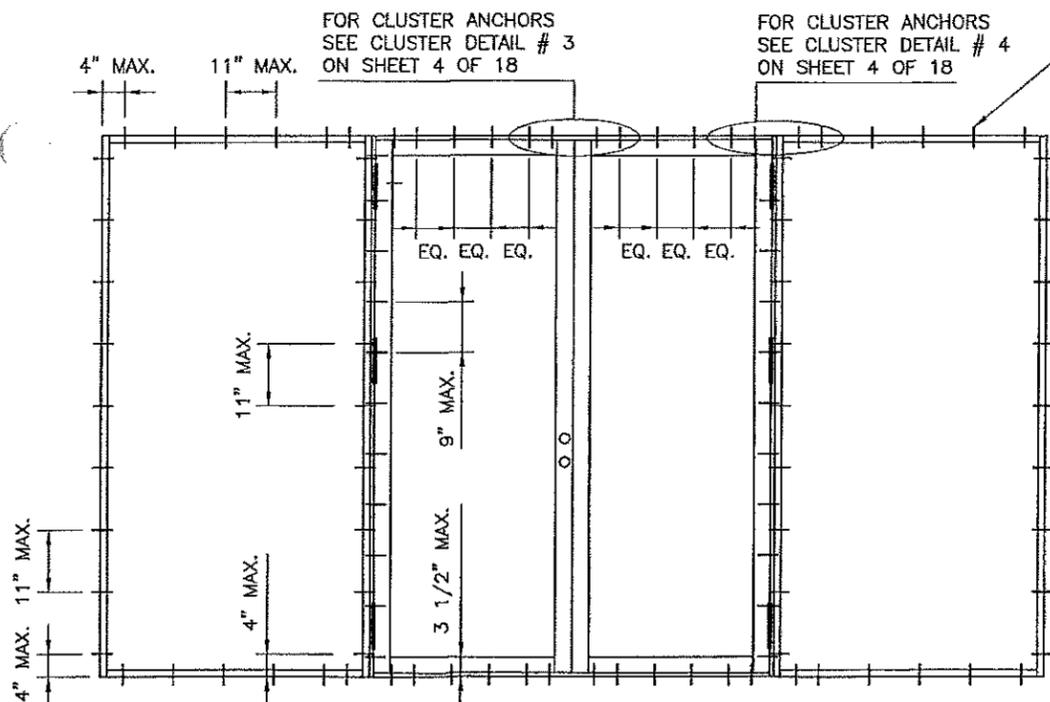
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DATE: **06-12-13**
SCALE: **NTS**
SHEET 2 OF 18



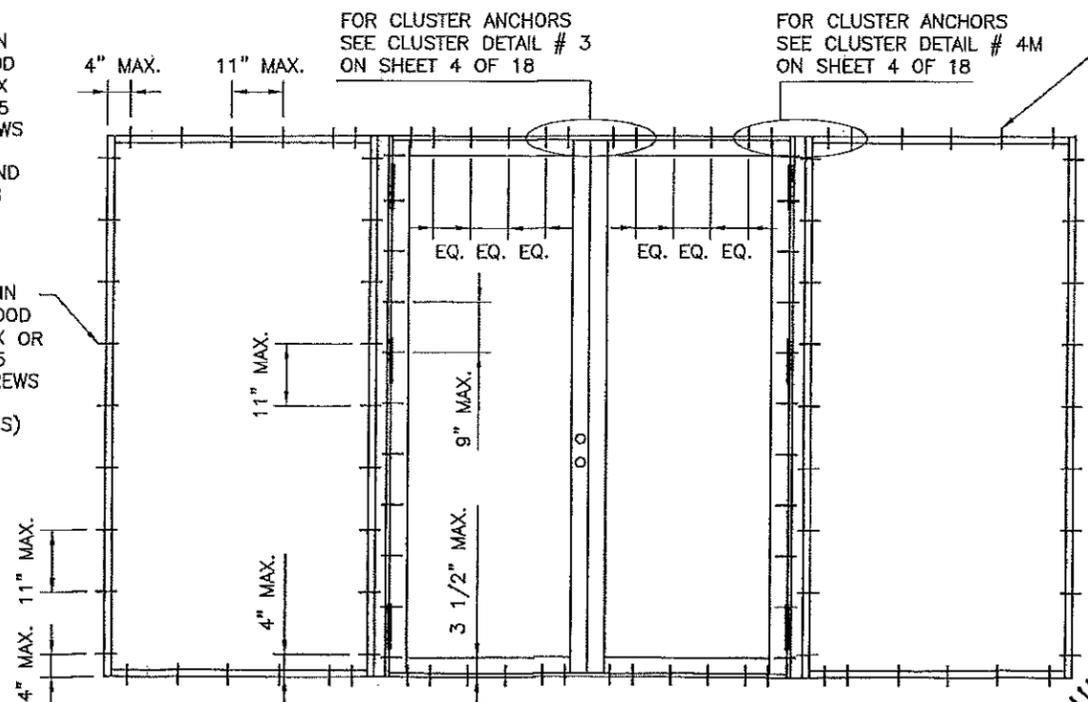
DOOR WITH CLUSTERS OF 6 ANCHORS AND BACK TO BACK SIDELITES
SEE DESIGN PRESSURE CHARTS #3 AND # 4 ON SHEET 6 OF 18



DOOR WITH CLUSTERS OF 6 ANCHORS AND SIDELITES WITH UNCLIPPED MULLIONS
SEE DESIGN PRESSURE CHARTS #3 AND # 4 ON SHEET 6 OF 18



DOOR WITH CLUSTERS OF 4 ANCHORS AND BACK TO BACK SIDELITES
SEE DESIGN PRESSURE CHARTS #1 AND # 2 ON SHEET 5 OF 18



DOOR WITH CLUSTERS OF 4 ANCHORS AND SIDELITES WITH UNCLIPPED MULLIONS
SEE DESIGN PRESSURE CHARTS #1 AND # 2 ON SHEET 5 OF 18

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5 SELF DRILLING SCREWS IN METAL (TYPICAL AT HEAD AND SILL FOR ANCHORS NOT INCLUDED IN CLUSTERS)

1/4" ULTRACON IN CONCRETE AND WOOD OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5 SELF DRILLING SCREWS IN METAL (TYPICAL AT JAMBS)

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5 SELF DRILLING SCREWS IN METAL (TYPICAL AT HEAD AND SILL FOR ANCHORS NOT INCLUDED IN CLUSTERS)

5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5 SELF DRILLING SCREWS IN METAL (TYPICAL AT HEAD AND SILL FOR ANCHORS NOT INCLUDED IN CLUSTERS)

1/4" ULTRACON IN CONCRETE AND WOOD OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5 SELF DRILLING SCREWS IN METAL (TYPICAL AT JAMBS)

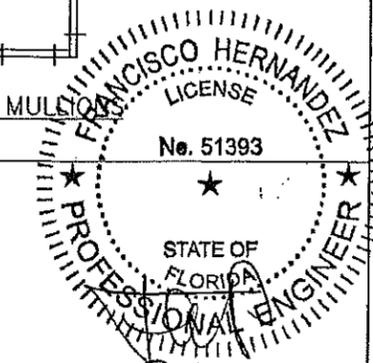
5/16" ULTRACON IN CONCRETE AND WOOD OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5 SELF DRILLING SCREWS IN METAL (TYPICAL AT HEAD AND SILL FOR ANCHORS NOT INCLUDED IN CLUSTERS)

ANCHORS DISTRIBUTION

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

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**

By *[Signature]*
Miami-Dade Product Control



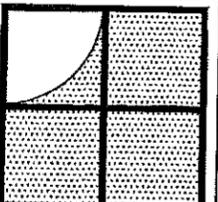
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

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Fax:(305)828-5118

SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.I.

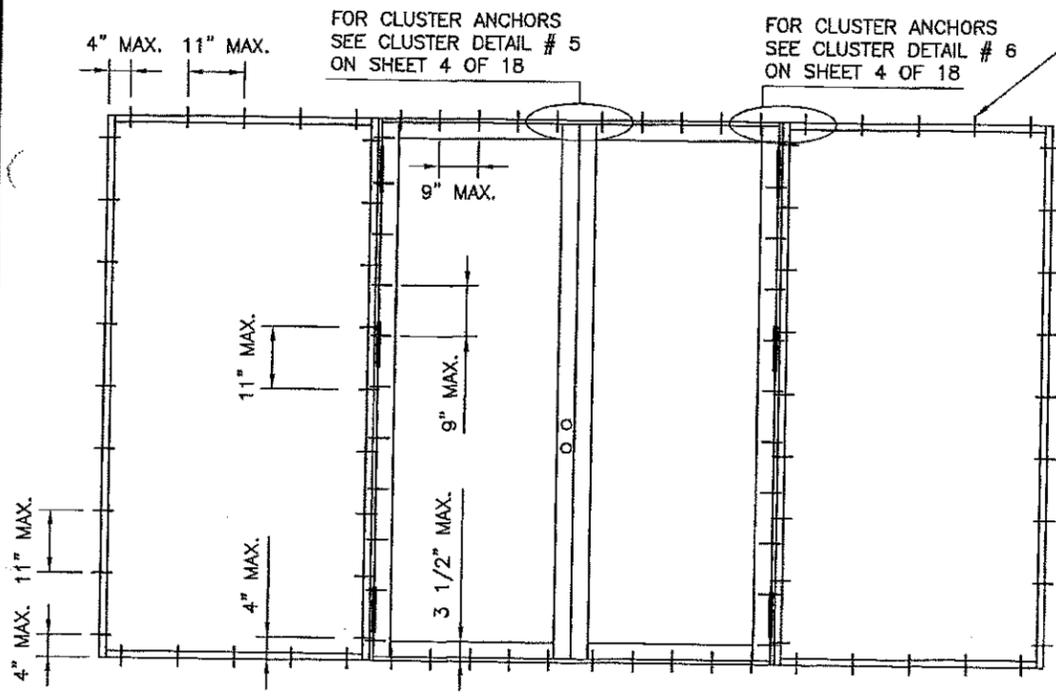
No	DATE	REVISION
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DRAWING No. **FD-12-01**
DATE: **06-12-13**
SCALE: **NTS**

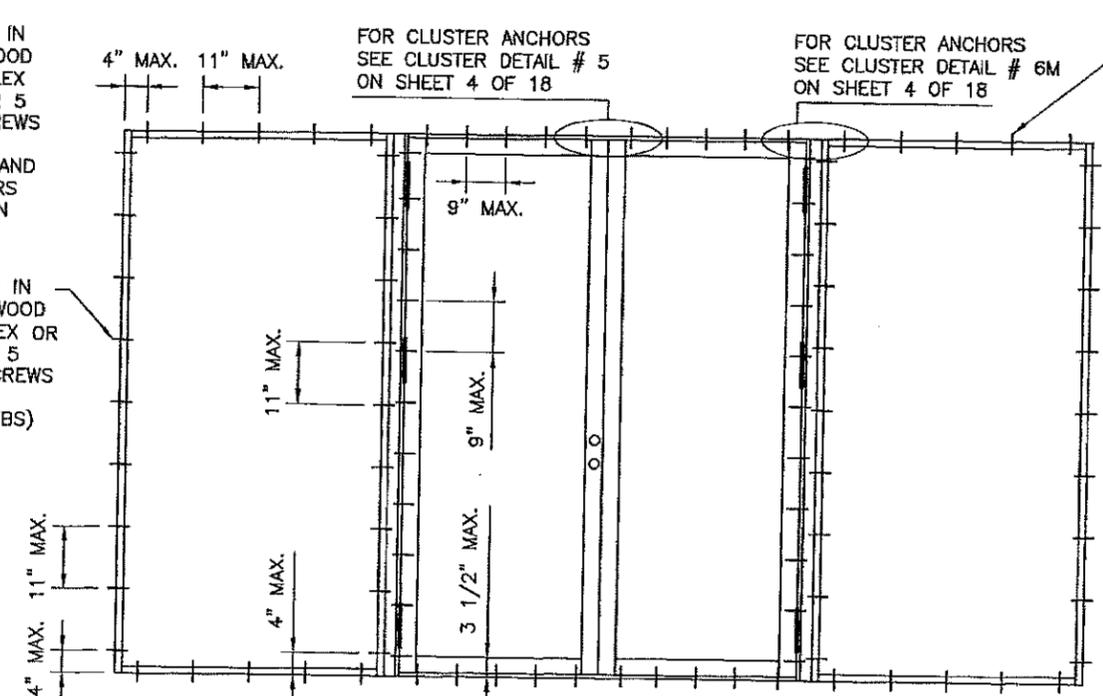


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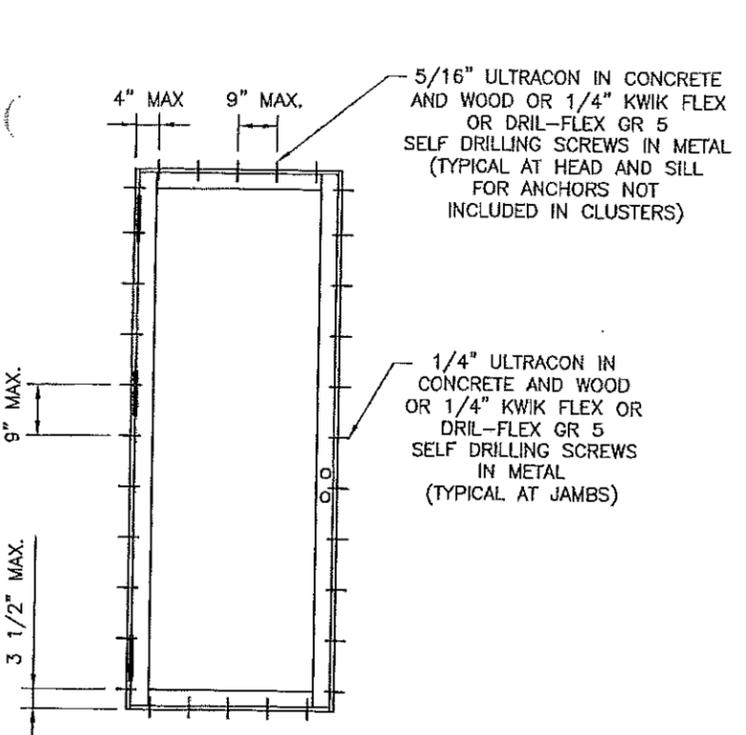
SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.I.



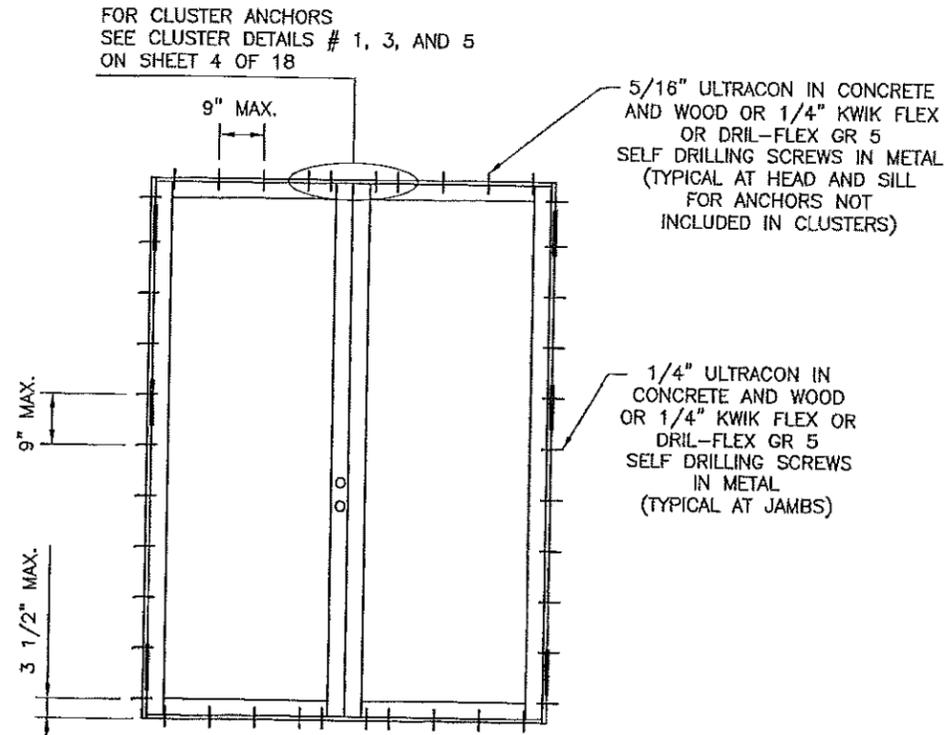
DOOR WITH CLUSTERS OF 2 ANCHORS AND BACK TO BACK SIDELITES
 SEE DESIGN PRESSURE CHARTS # 5 AND # 6 ON SHEET 6A OF 18



DOOR WITH CLUSTERS OF 2 ANCHORS AND SIDELITES WITH UNCLIPPED MULLIONS
 SEE DESIGN PRESSURE CHARTS # 5 AND # 6 ON SHEET 6A OF 18



SINGLE DOOR WITHOUT SIDELITES
 SEE DESIGN PRESSURE CHARTS ON SHEETS 5, 6, AND 6A OF 18



DOUBLE DOOR WITHOUT SIDELITES
 SEE DESIGN PRESSURE CHARTS ON SHEETS 5, 6, AND 6A OF 18

- ANCHOR NOTES:**
- MECHANICAL PROPERTIES OF ULTRACON ANCHOR BY ELCO:
 - A.- YIELD STRENGTH (FY)= 155 KSI
 - B.- ULTIMATE TENSILE STRENGTH (FU)= 177 KSI
 - MECHANICAL PROPERTIES OF KWIK-FLEX SELF-DRILLING SCREW (GRADE 5) BY HILTI:
 - A.- YIELD STRENGTH (FY)= 92 KSI
 - B.- ULTIMATE TENSILE STRENGTH (FU)= 120 KSI
 - MECHANICAL PROPERTIES OF DRIL-FLEX SELF-DRILLING FASTENER (GRADE 5) BY ELCO:
 - A.- YIELD STRENGTH (FY)= 92 KSI
 - B.- ULTIMATE TENSILE STRENGTH (FU)= 120 KSI

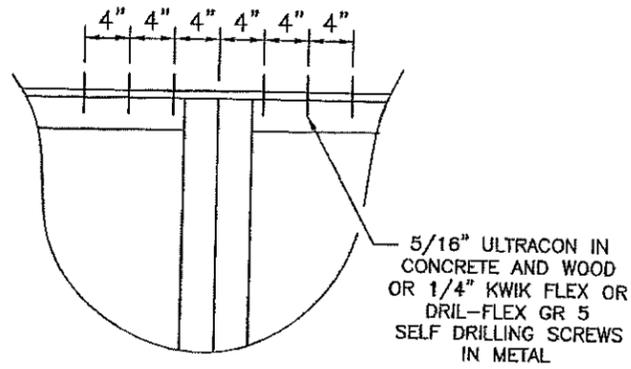
ANCHORS DISTRIBUTION
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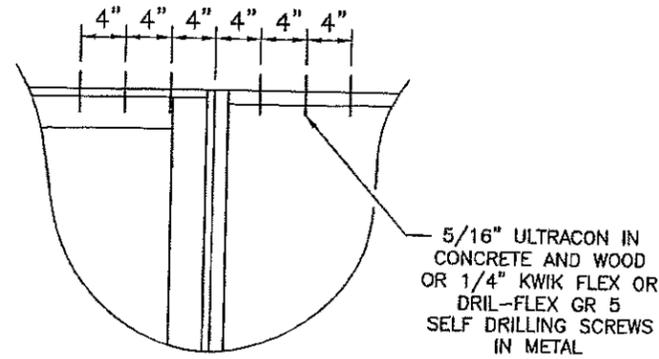
FRANCISCO HERNANDEZ
 LICENSE
 No. 51393
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 9-1-16
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

REVISION	DATE	NO.

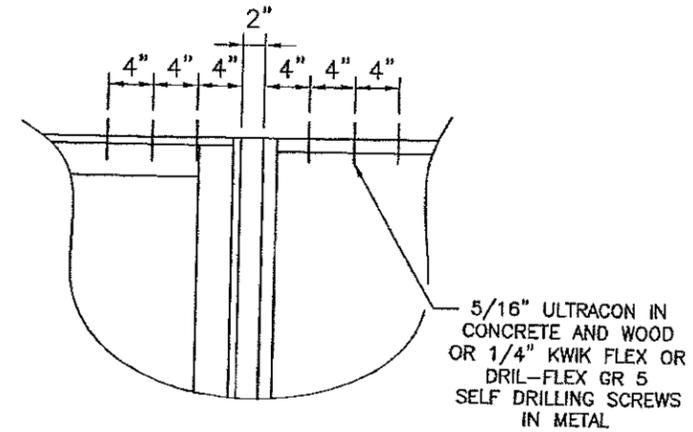
DRAWING No.
FD-12-01
 DATE: **06-26-16**
 SCALE: **NTS**
 SHEET **3A** OF 18



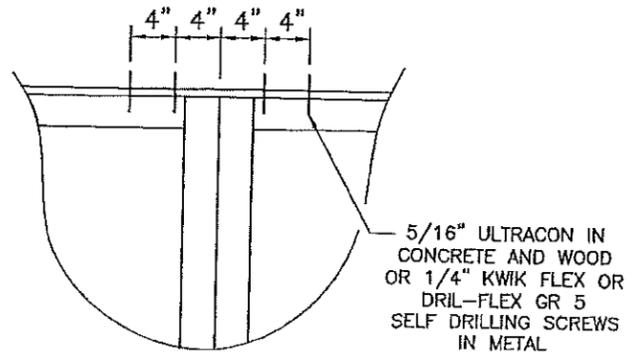
CLUSTER DETAIL # 1
TYPICAL AT HEAD AND SILL.



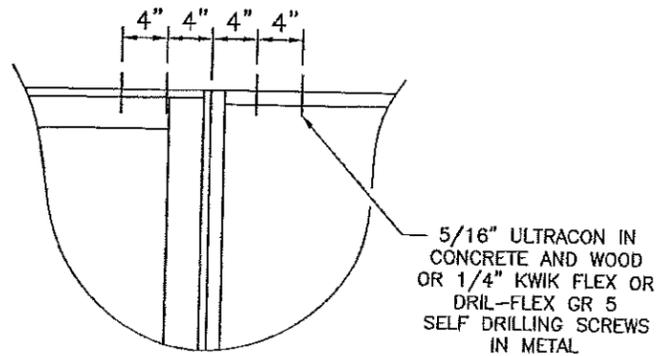
CLUSTER DETAIL # 2
TYPICAL AT HEAD AND SILL.



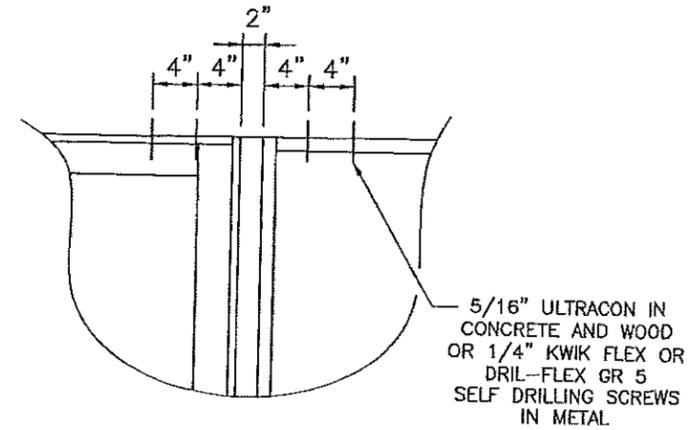
CLUSTER DETAIL # 2M
TYPICAL AT HEAD AND SILL.



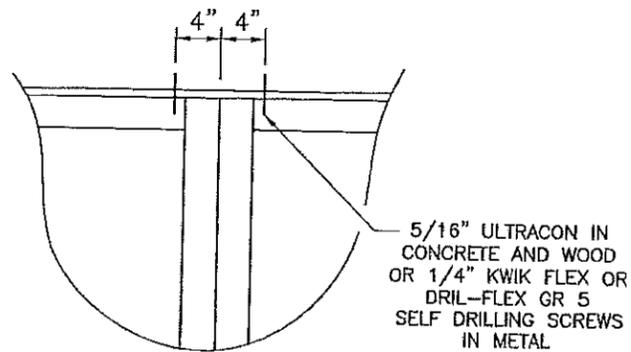
CLUSTER DETAIL # 3
TYPICAL AT HEAD AND SILL.



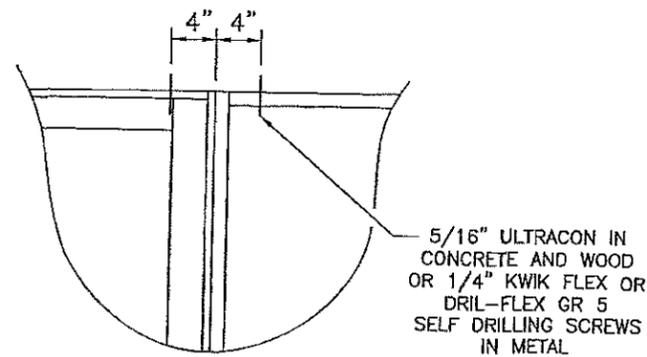
CLUSTER DETAIL # 4
TYPICAL AT HEAD AND SILL.



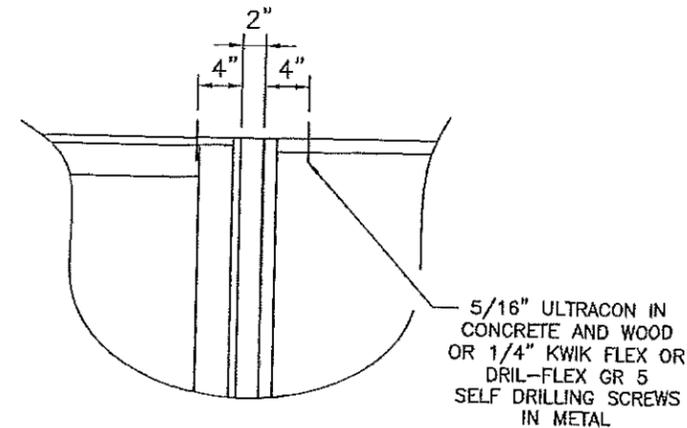
CLUSTER DETAIL # 4M
TYPICAL AT HEAD AND SILL.



CLUSTER DETAIL # 5
TYPICAL AT HEAD AND SILL.



CLUSTER DETAIL # 6
TYPICAL AT HEAD AND SILL.

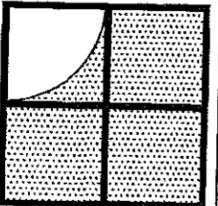


CLUSTER DETAIL # 6M
TYPICAL AT HEAD AND SILL.

CLUSTER ANCHORS SHALL BE AS FOLLOWS:

- 5/16" ϕ ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" EDGE DISTANCE.
- 5/16" ϕ ULTRACON BY ELCO WITH 1 7/8" MIN. PENETRATION INTO WOOD AND 2 1/2" EDGE DISTANCE.
- 1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL.

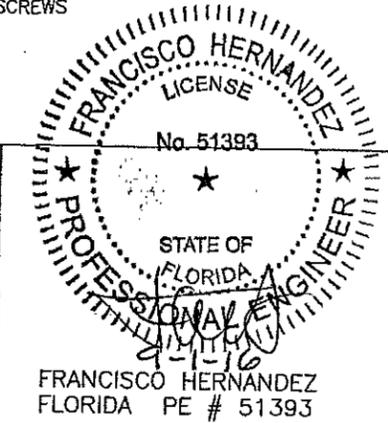
CLUSTER DETAILS



Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

**SERIES 2001 8'0" OUTSWING
ALUMINUM FRENCH DOOR
WITH SIDELITES - N.I.**

No	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**
By *[Signature]*
Miami-Dade Product Control

DRAWING No.
FD-12-01
DATE: 06-12-13
SCALE: NTS
SHEET 4 OF 18

FRANCISCO HERNANDEZ
FLORIDA PE # 51393

DESIGN PRESSURE CHART # 1

DESIGN PRESSURES FOR 4 - 5/16" DIA. ULTRACON ANCHOR CLUSTERS
INSTALLED IN CONCRETE AT THE TOP AND BOTTOM
OF SIDELITE/DOOR INTERIOR MULLIONS AND DOOR ASTRAGAL.

DOOR LEAF WIDTH (NOMINAL)	DOOR AND SIDELITE HEIGHT (NOMINAL)	WITHOUT SIDELITES		MAXIMUM SIDELITE WIDTH WHEN SIDELITES ARE USED AT THE SIDES OF THE DOOR	WITH SIDELITES	
		POS.	NEG.		POS.	NEG.
3'-0"	8'-0"	80.00	90.00	48"	80.00	90.00
				42"	80.00	90.00
				36"	80.00	90.00
				30"	80.00	90.00
				24"	80.00	90.00
				18"	-	-
2'-6" SEE NOTE 1	8'-0"	80.00	104.00	48"	80.00	90.00
				42"	80.00	94.90
				36"	80.00	100.00
				30"	80.00	104.00
				24"	80.00	104.00
				18"	-	-
3'-0"	6'-8"	80.00	113.20	48"	80.00	110.00
				42"	80.00	110.00
				36"	80.00	110.00
				30"	80.00	110.00
				24"	80.00	110.00
				18"	-	-
2'-6" SEE NOTE 1	6'-8"	80.00	129.60	48"	80.00	110.00
				42"	80.00	110.00
				36"	80.00	110.00
				30"	80.00	110.00
				24"	80.00	110.00
				18"	-	-
				12"	-	-

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 0.6 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. ULTRACON ANCHOR CLUSTERS
INSTALLED IN WOOD OR 4 - 1/4" DIA. HILTI KWIK-FLEX
INSTALLED IN STEEL AT THE TOP AND BOTTOM
OF SIDELITE/DOOR INTERIOR MULLIONS AND DOOR ASTRAGAL.

DOOR LEAF WIDTH (NOMINAL)	DOOR AND SIDELITE HEIGHT (NOMINAL)	WITHOUT SIDELITES		MAXIMUM SIDELITE WIDTH WHEN SIDELITES ARE USED AT THE SIDES OF THE DOOR	WITH SIDELITES	
		POS.	NEG.		POS.	NEG.
3'-0"	8'-0"	80.00	89.80	48"	80.00	80.55
				42"	80.00	84.69
				36"	80.00	88.90
				30"	80.00	89.80
				24"	80.00	89.80
				18"	-	-
2'-6" SEE NOTE 1	8'-0"	80.00	103.82	48"	80.00	85.72
				42"	80.00	90.43
				36"	80.00	95.25
				30"	80.00	103.82
				24"	80.00	103.82
				18"	-	-
3'-0"	6'-8"	80.00	113.00	48"	80.00	102.56
				42"	80.00	107.13
				36"	80.00	110.00
				30"	80.00	110.00
				24"	80.00	110.00
				18"	-	-
2'-6" SEE NOTE 1	6'-8"	80.00	129.38	48"	80.00	108.79
				42"	80.00	110.00
				36"	80.00	110.00
				30"	80.00	110.00
				24"	80.00	110.00
				18"	-	-
				12"	-	-

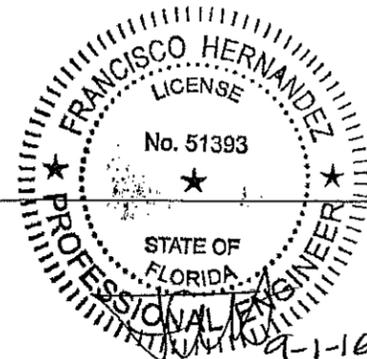
NOTE 1

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

Sunshine Windows Manufacturing, Inc.
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Hialeah, Florida 33012
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Fax:(305)828-5118

SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.I.

No	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**

By *[Signature]*
Miami-Dade Product Control

FRANCISCO HERNANDEZ
FLORIDA PE # 51393

DRAWING No. FD-12-01
DATE: 06-12-13
SCALE: NTS
SHEET 5 OF 18

DESIGN PRESSURE CHARTS # 1 AND # 2

DESIGN PRESSURE CHART # 3						
DESIGN PRESSURES FOR 6 - 5/16" DIA. ULTRACON ANCHOR CLUSTERS INSTALLED IN CONCRETE AT THE TOP AND BOTTOM OF SIDELITE/DOOR INTERIOR MULLIONS AND DOOR ASTRAGAL.						
DOOR LEAF WIDTH (NOMINAL)	DOOR AND SIDELITE HEIGHT (NOMINAL)	WITHOUT SIDELITES		MAXIMUM SIDELITE WIDTH WHEN SIDELITES ARE USED AT THE SIDES OF THE DOOR	WITH SIDELITES	
		POS.	NEG.		POS.	NEG.
3'-0"	8'-0"	80.00	90.00	48"	80.00	90.00
				42"	80.00	90.00
				36"	80.00	90.00
				30"	80.00	90.00
				24"	-	-
				18"	-	-
2'-6" SEE NOTE 1	8'-0"	80.00	104.00	48"	80.00	90.00
				42"	80.00	94.90
				36"	80.00	100.00
				30"	80.00	104.00
				24"	-	-
				18"	-	-
3'-0"	6'-8"	80.00	113.20	48"	80.00	110.00
				42"	80.00	110.00
				36"	80.00	110.00
				30"	80.00	110.00
				24"	-	-
				18"	-	-
2'-6" SEE NOTE 1	6'-8"	80.00	129.60	48"	80.00	110.00
				42"	80.00	110.00
				36"	80.00	110.00
				30"	80.00	110.00
				24"	-	-
				18"	-	-
				12"	-	-

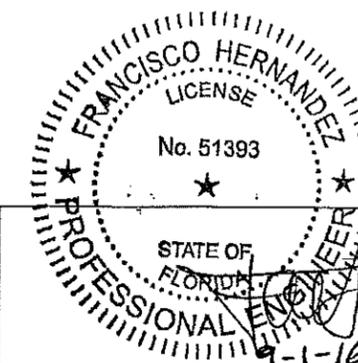
DESIGN PRESSURE CHART # 4						
DESIGN PRESSURES FOR 6 - 5/16" DIA. ULTRACON ANCHOR CLUSTERS INSTALLED IN WOOD OR 6 - 1/4" DIA. HILTI KWIK-FLEX INSTALLED IN STEEL AT THE TOP AND BOTTOM OF SIDELITE/DOOR INTERIOR MULLIONS AND DOOR ASTRAGAL.						
DOOR LEAF WIDTH (NOMINAL)	DOOR AND SIDELITE HEIGHT (NOMINAL)	WITHOUT SIDELITES		MAXIMUM SIDELITE WIDTH WHEN SIDELITES ARE USED AT THE SIDES OF THE DOOR	WITH SIDELITES	
		POS.	NEG.		POS.	NEG.
3'-0"	8'-0"	80.00	90.00	48"	80.00	90.00
				42"	80.00	90.00
				36"	80.00	90.00
				30"	80.00	90.00
				24"	-	-
				18"	-	-
2'-6" SEE NOTE 1	8'-0"	80.00	104.00	48"	80.00	90.00
				42"	80.00	94.94
				36"	80.00	100.00
				30"	80.00	104.00
				24"	-	-
				18"	-	-
3'-0"	6'-8"	80.00	113.20	48"	80.00	109.50
				42"	80.00	110.00
				36"	80.00	110.00
				30"	80.00	110.00
				24"	-	-
				18"	-	-
2'-6" SEE NOTE 1	6'-8"	80.00	129.60	48"	80.00	109.75
				42"	80.00	110.00
				36"	80.00	110.00
				30"	80.00	110.00
				24"	-	-
				18"	-	-
				12"	-	-

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 0.6 FOR COMPARISON BETWEEN THE ACTING WIND LOADS AND THE DESIGN PRESSURE OF THE UNITS.

DESIGN PRESSURE CHARTS # 3 AND # 4

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**
By *[Signature]*
Miami-Dade Product Control



FRANCISCO HERNANDEZ
FLORIDA PE # 51393

NOTE 1

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

Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
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Ph: (305)364-9952
Fax: (305)828-5118

**SERIES 2001 8'0" OUTSWING
ALUMINUM FRENCH DOOR
WITH SIDELITES - N.I.**

NO	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No.
FD-12-01
DATE: 06-12-13
SCALE: NTS
SHEET 6 OF 18

DESIGN PRESSURE CHART # 5						
DESIGN PRESSURES FOR 2 - 5/16" DIA. ULTRACON ANCHOR CLUSTERS INSTALLED IN CONCRETE AT THE TOP AND BOTTOM OF SIDELITE/DOOR INTERIOR MULLIONS AND DOOR ASTRAGAL.						
DOOR LEAF WIDTH (NOMINAL)	DOOR AND SIDELITE HEIGHT (NOMINAL)	WITHOUT SIDELITES		MAXIMUM SIDELITE WIDTH WHEN SIDELITES ARE USED AT THE SIDES OF THE DOOR	WITH SIDELITES	
		POS.	NEG.		POS.	NEG.
3'-0"	8'-0"	73.20	73.20	48"	65.66	65.66
				42"	69.03	69.03
				36"	72.46	72.46
				30"	73.20	73.20
				24"	73.20	73.20
				18"	-	-
2'-6" SEE NOTE 1	8'-0"	80.00	84.60	48"	69.87	69.87
				42"	73.70	73.70
				36"	77.63	77.63
				30"	80.00	84.60
				24"	80.00	84.60
				18"	-	-
3'-0"	6'-8"	80.00	92.10	48"	80.00	83.59
				42"	80.00	87.32
				36"	80.00	91.24
				30"	80.00	92.10
				24"	80.00	92.10
				18"	-	-
2'-6" SEE NOTE 1	6'-8"	80.00	105.50	48"	80.00	88.67
				42"	80.00	92.88
				36"	80.00	97.33
				30"	80.00	105.45
				24"	80.00	105.45
				18"	-	-
				12"	-	-

DESIGN PRESSURE CHART # 6						
DESIGN PRESSURES FOR 2 - 5/16" DIA. ULTRACON 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 MULLIONS AND DOOR ASTRAGAL.						
DOOR LEAF WIDTH (NOMINAL)	DOOR AND SIDELITE HEIGHT (NOMINAL)	WITHOUT SIDELITES		MAXIMUM SIDELITE WIDTH WHEN SIDELITES ARE USED AT THE SIDES OF THE DOOR	WITH SIDELITES	
		POS.	NEG.		POS.	NEG.
3'-0"	8'-0"	44.90	44.90	48"	40.28	40.28
				42"	42.34	42.34
				36"	44.45	44.45
				30"	44.90	44.90
				24"	44.90	44.90
				18"	-	-
2'-6" SEE NOTE 1	8'-0"	51.90	51.90	48"	42.86	42.86
				42"	45.21	45.21
				36"	47.62	47.62
				30"	51.90	51.90
				24"	51.90	51.90
				18"	-	-
3'-0"	6'-8"	56.50	56.50	48"	51.28	51.28
				42"	53.56	53.56
				36"	55.97	55.97
				30"	56.50	56.50
				24"	56.50	56.50
				18"	-	-
2'-6" SEE NOTE 1	6'-8"	64.70	64.70	48"	54.40	54.40
				42"	56.98	56.98
				36"	59.71	59.71
				30"	64.69	64.69
				24"	64.69	64.69
				18"	-	-
				12"	-	-

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 0.6 FOR COMPARISON BETWEEN THE ACTING WIND LOADS AND THE DESIGN PRESSURE OF THE UNITS.

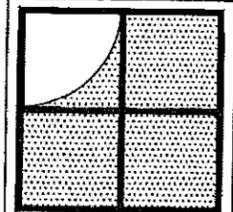
DESIGN PRESSURE CHARTS # 5 AND # 6

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**
By 
Miami-Dade Product Control



NOTE 1

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

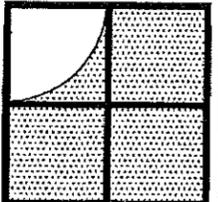


Sunshine Windows
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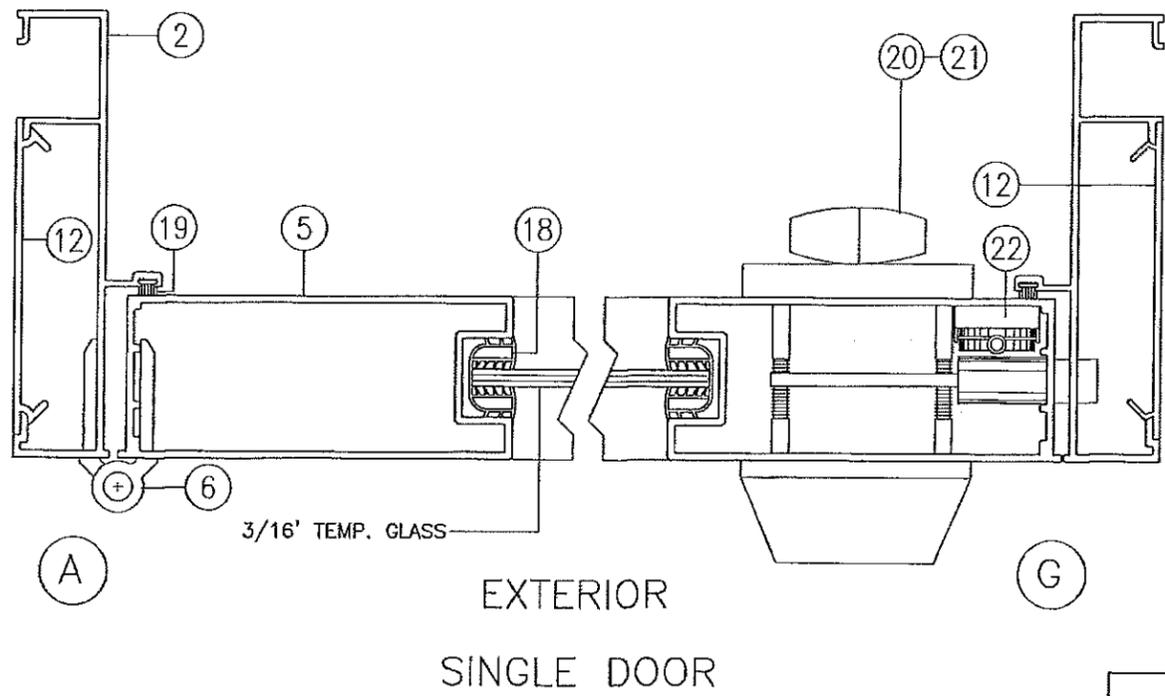
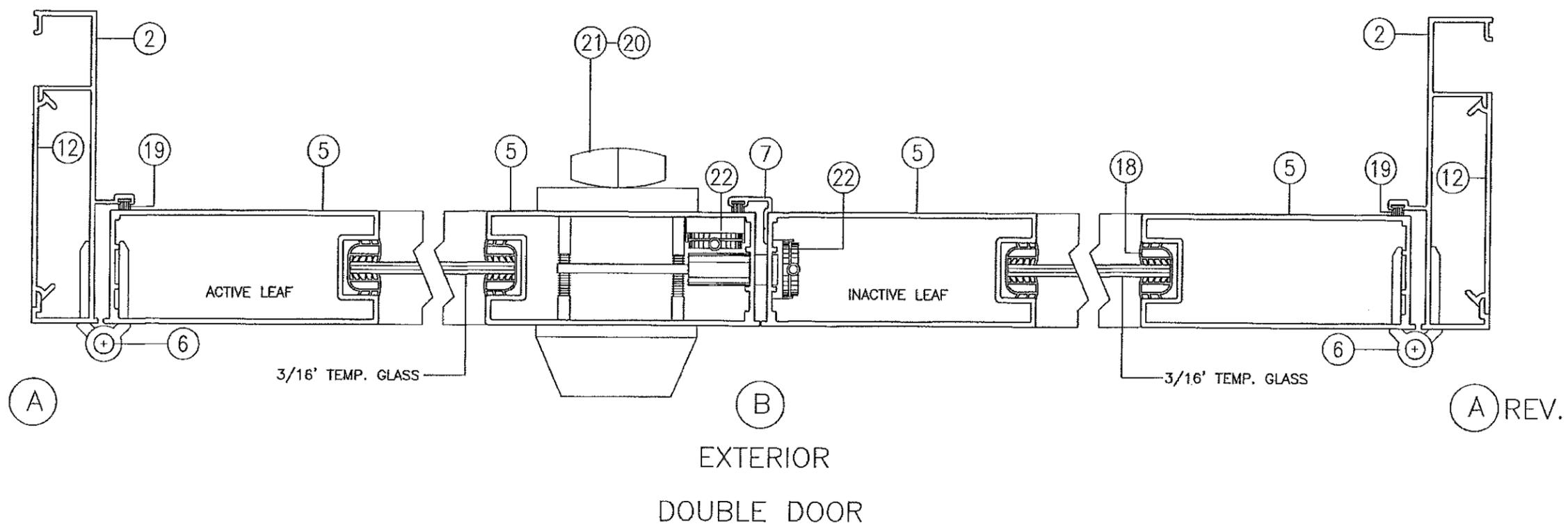
**SERIES 2001 8'0" OUTSWING
ALUMINUM FRENCH DOOR
WITH SIDELITES - N.I.**

No	DATE	REVISION

DRAWING No.
FD-12-01
DATE: **06-26-16**
SCALE: **NTS**
SHEET **6A** OF **18**



Sunshine Windows
Manufacturing, Inc.
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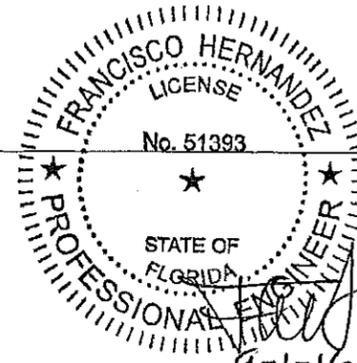
HORIZONTAL SECTIONS

**SERIES 2001 8'0" OUTSWING
ALUMINUM FRENCH DOOR
WITH SIDELITES - N.I.**

NO	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

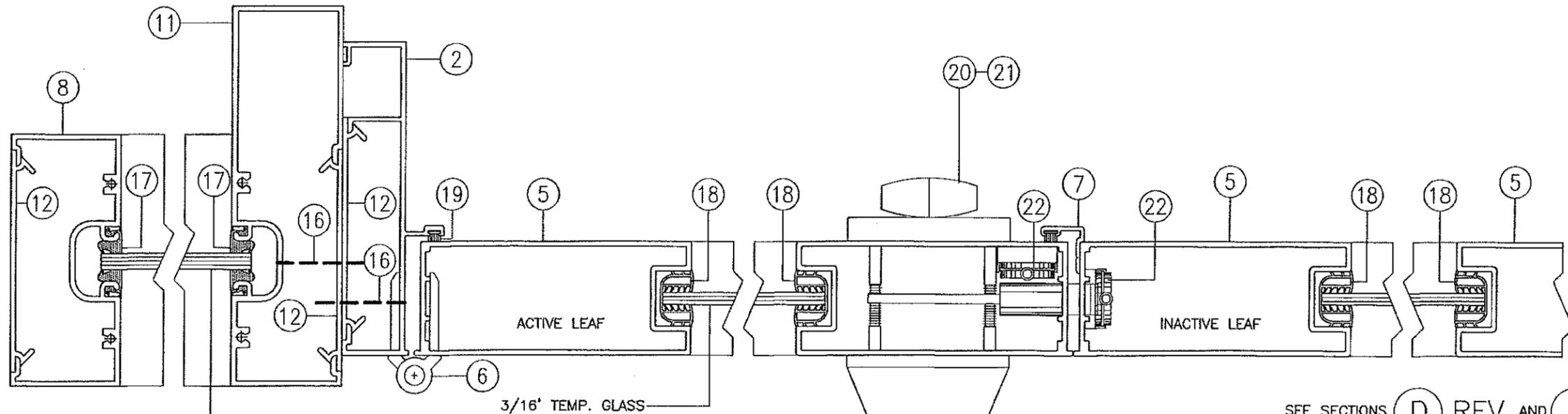
PRODUCT REVISED
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Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**

By
Miami-Date Product Control

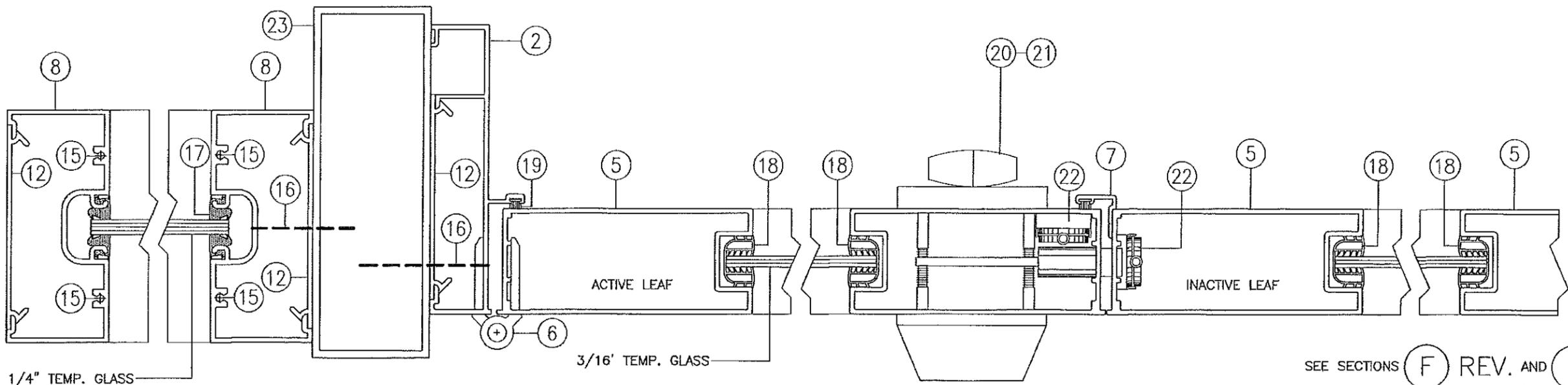


FRANCISCO HERNANDEZ
FLORIDA PE # 51393

DRAWING No.
FD-12-01
DATE: 06-12-13
SCALE: 1/2"=1"
SHEET 7 OF 18



1/4" TEMP. GLASS
 3/16" TEMP. GLASS
 EXTERIOR
 DOUBLE DOOR
 WITH BACK TO BACK SIDELITES
 SEE SECTIONS (D) REV. AND (C) REV.
 ON SHEET 10 OF 18



1/4" TEMP. GLASS
 3/16" TEMP. GLASS
 EXTERIOR
 DOUBLE DOOR
 WITH TUBE AND SIDELITES
 SEE SECTIONS (F) REV. AND (C) REV.
 ON SHEET 10 OF 18

HORIZONTAL SECTIONS

Sunshine Windows
 Manufacturing, Inc.
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 Hialeah, Florida 33012
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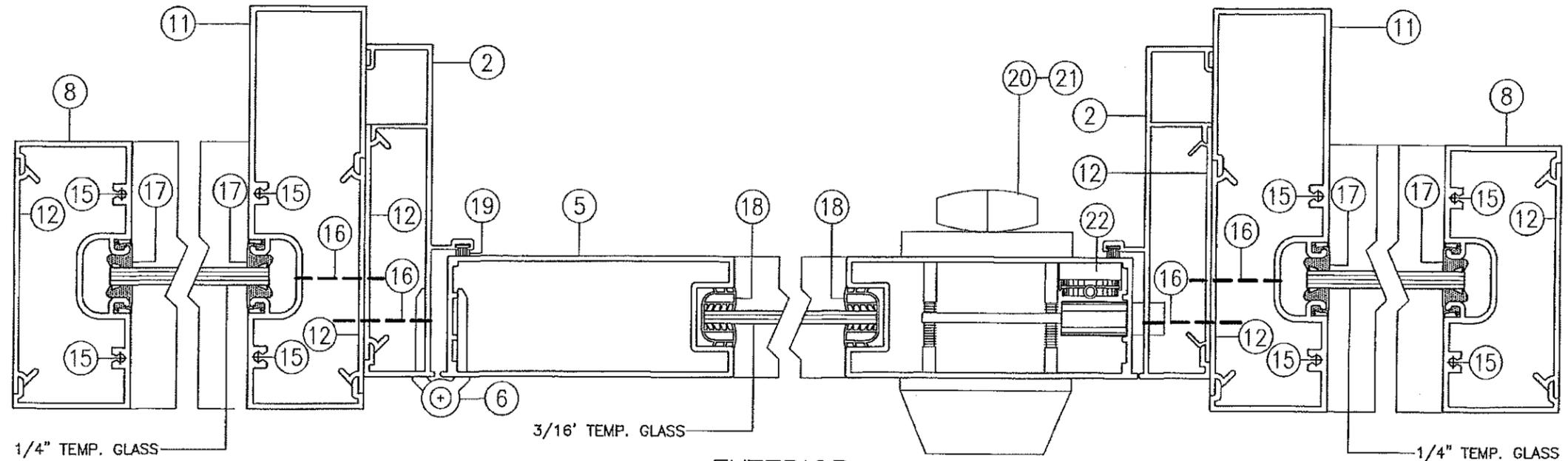
**SERIES 2001 8'0" OUTSWING
 ALUMINUM FRENCH DOOR
 WITH SIDELITES - N.I.**

No.	1	DATE	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)
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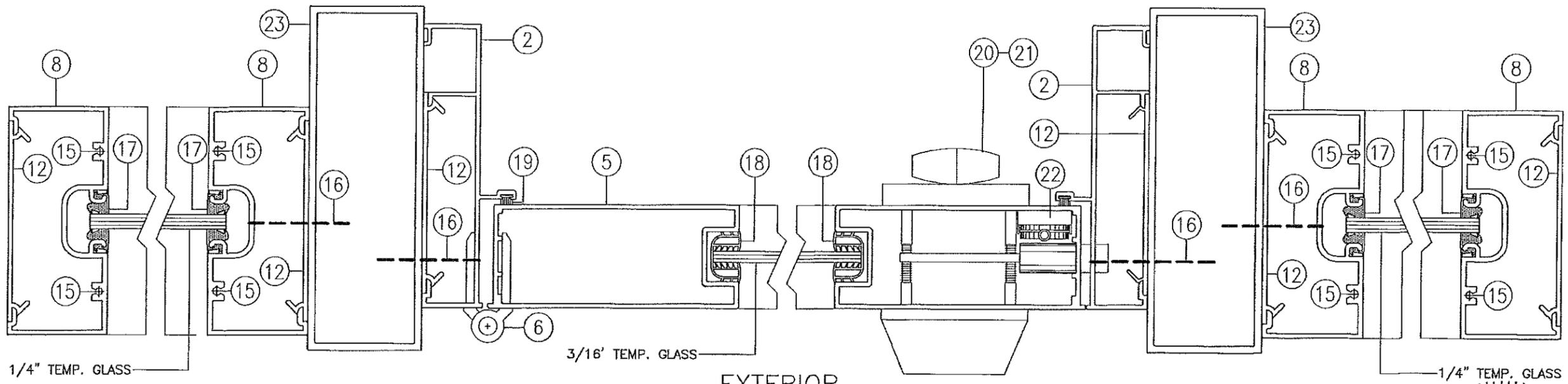
PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. **15-0508.09**
 Expiration Date **05/02/2017**
 By *[Signature]*
 Miami-Dade Product Control

FRANCISCO HERNANDEZ
 LICENSE
 No. 51393
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 9-1-16
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

DRAWING No.
 FD-12-01
 DATE: 06-12-13
 SCALE: 1/2"=1"
 SHEET 8 OF 18



(C) (D) (H) (C) REV.
 EXTERIOR
 SINGLE DOOR
 WITH BACK TO BACK SIDELITES



(C) (F) (I)
 EXTERIOR
 SINGLE DOOR
 WITH TUBES AND SIDELITES

HORIZONTAL SECTIONS

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 Manufacturing, Inc.
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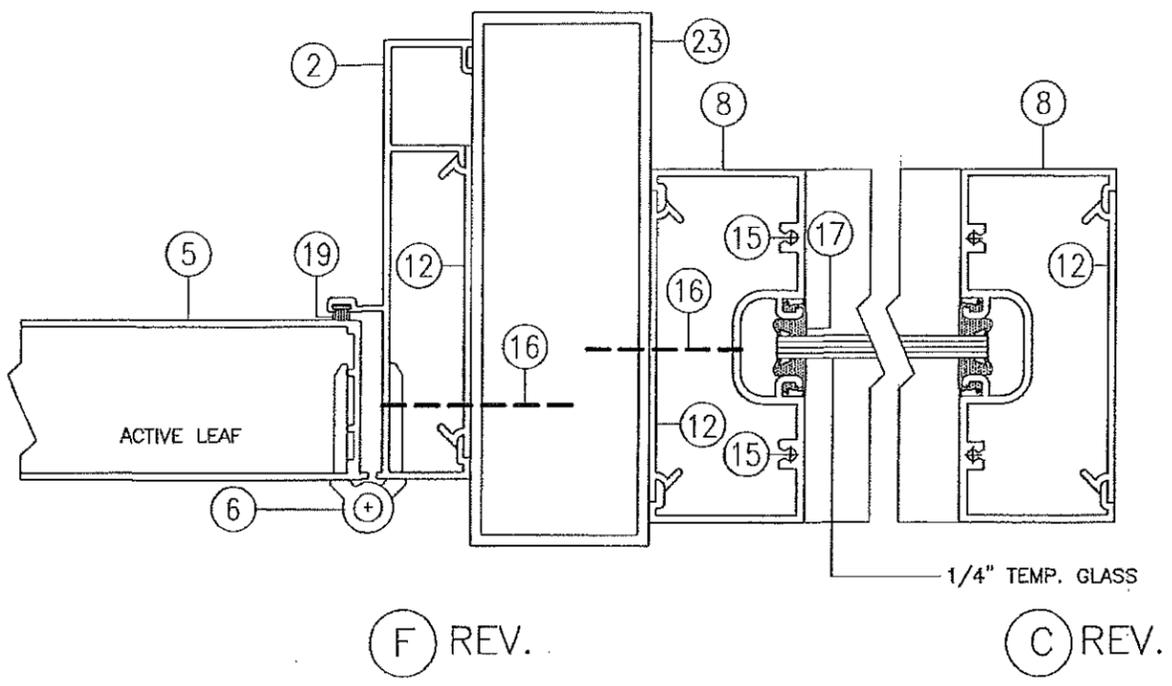
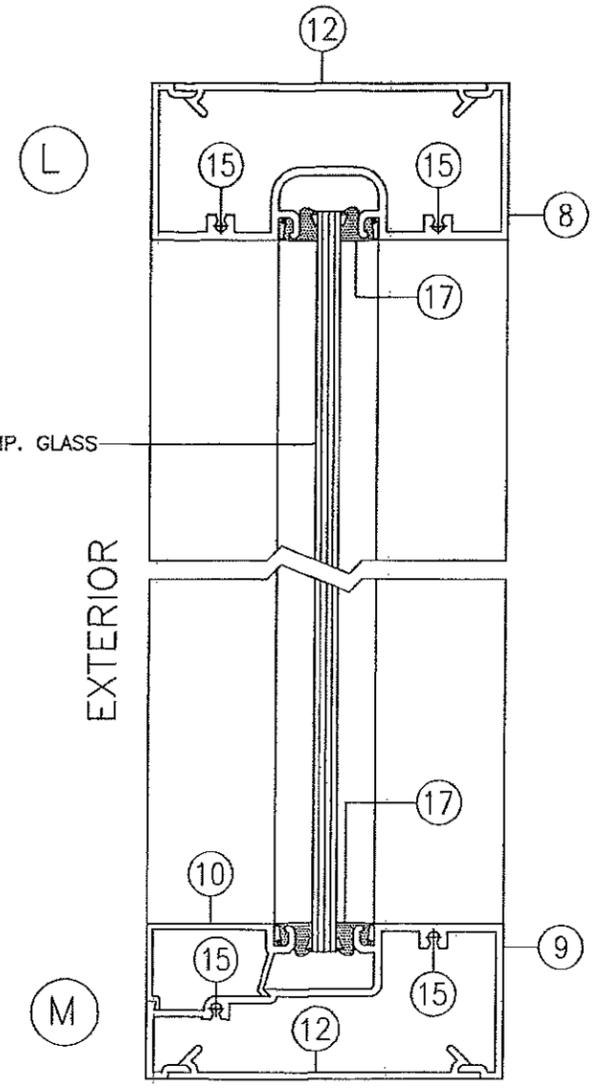
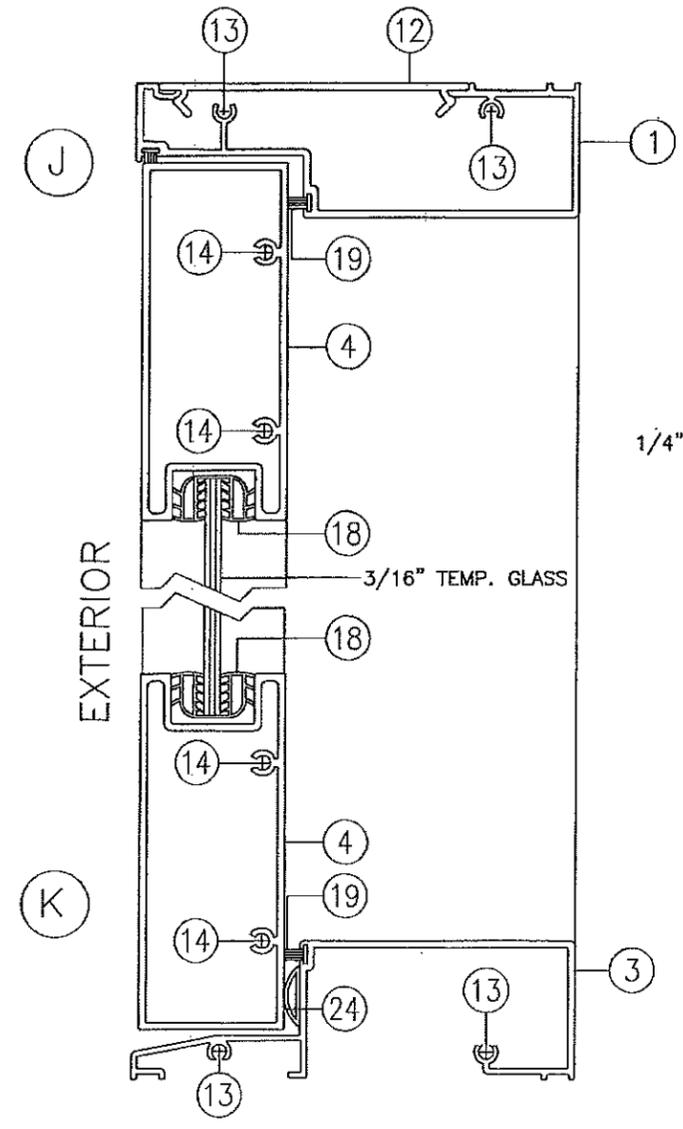
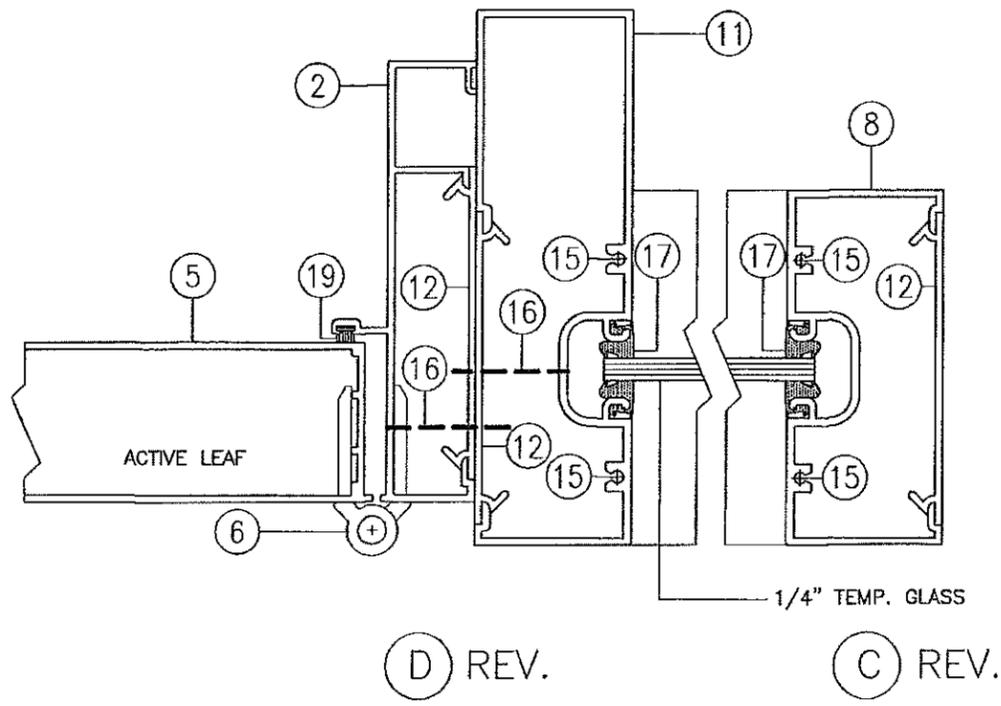
**SERIES 2001 8'0" OUTSWING
 ALUMINUM FRENCH DOOR
 WITH SIDELITES - N.I.**

NO	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. **15-0508.09**
 Expiration Date **05/02/2017**
 By *[Signature]*
 Miami-Dade Product Control

FRANCISCO HERNANDEZ
 LICENSE
 No. 51393
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 9-1-16
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

DRAWING No.
 FD-12-01
 DATE: 06-12-13
 SCALE: 1/2"=1"
 SHEET 9 OF 18



VERTICAL SECTIONS

HORIZONTAL SECTIONS

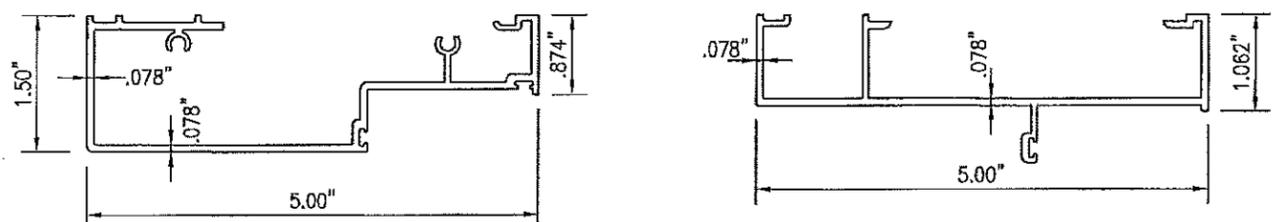
PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. **15-0508.09**
 Expiration Date **05/02/2017**
 By *[Signature]*
 Miami-Dade Product Control

FRANCISCO HERNANDEZ
 LICENSE
 No. 51393
 STATE OF
 FLORIDA
PROFESSIONAL ENGINEER
[Signature]
 9-1-16
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

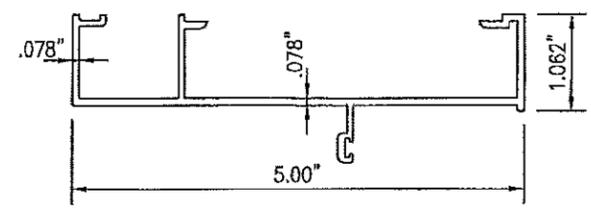
Sunshine Windows
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**SERIES 2001 8'0" OUTSWING
 ALUMINUM FRENCH DOOR
 WITH SIDELITES - N.I.**

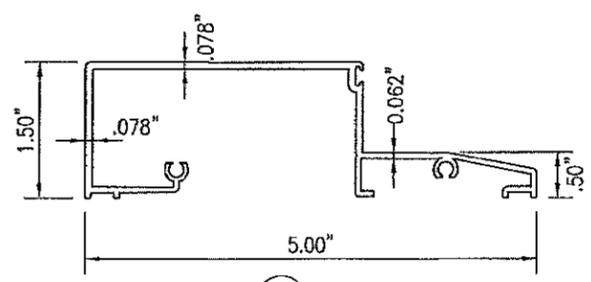
No	1	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)
DRAWING No. FD-12-01		
DATE: 06-12-13		
SCALE: 1/2"=1"		
SHEET 10 OF 18		



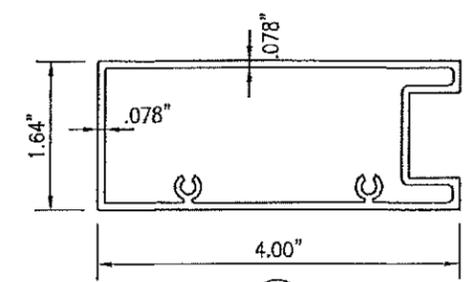
1
DOOR FRAME HEAD



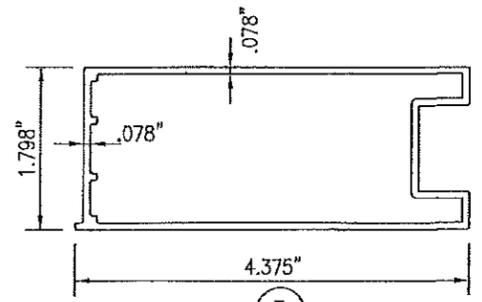
2
DOOR FRAME JAMB



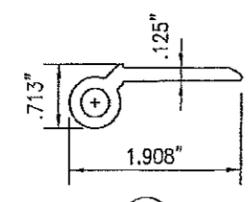
3
DOOR FRAME SILL



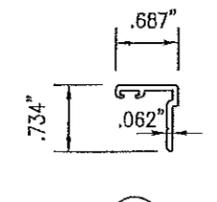
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DOOR PANEL TOP & BOTTOM RAIL



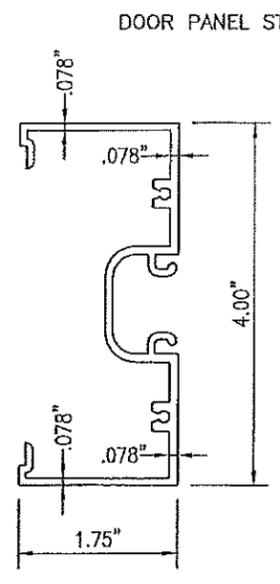
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DOOR PANEL STILE



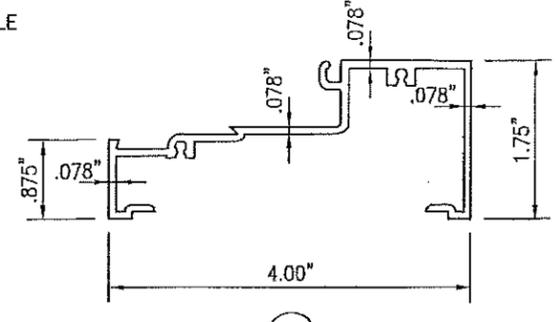
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DOOR HINGE



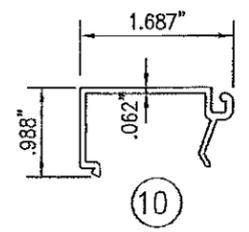
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DOOR ADAPTER



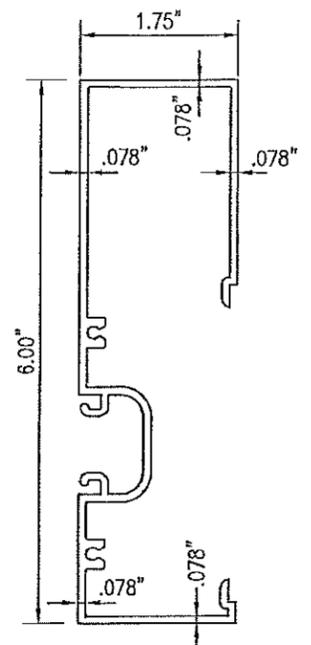
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S.L. HEAD AND JAMB



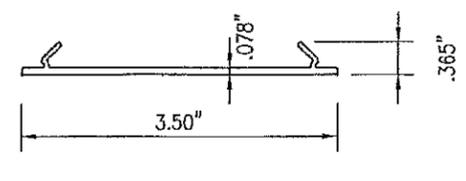
9
S.L. SILL



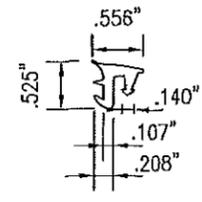
10
S.L. SILL STOP



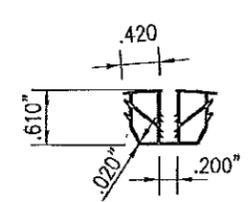
11
S.L. BACK TO BACK STILE (UNCLIPPED)



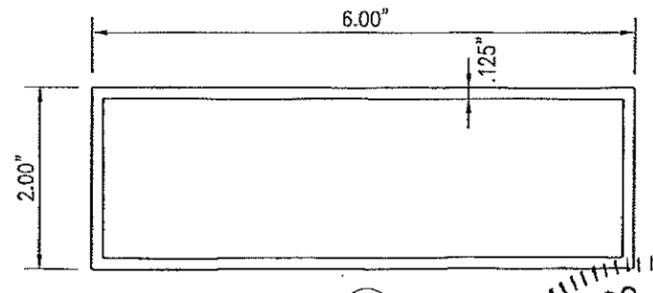
12
FLAT FILL COVER



17
S.L. GLAZING GASKET



18
DOOR U GLAZING GASKET

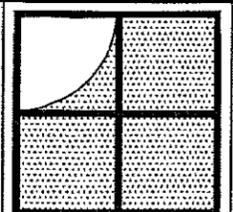


23
6" X 2" X 1/8" TUBE (UNCLIPPED)

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**
By *[Signature]*
Miami-Dade Product Control

FRANCISCO HERNANDEZ
LICENSE
No. 51393
STATE OF FLORIDA
PROFESSIONAL ENGINEER
9-1-16
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

No	PART	QTY	PART DESCRIPTION	MATERIAL
1	GAS-46913	1	DOOR FRAME HEAD	6063-T6
2	GAS-46912	2	DOOR FRAME JAMB	6063-T6
3	GAS-46915	1	DOOR FRAME SILL	6063-T6
4	GAH-46914	AS REQ'D	DOOR PANEL TOP/BOTTOM RAIL	6063-T5
5	GAH-46910	AS REQ'D	DOOR PANEL STILE	6063-T6
6	GAH-46917	3/LEAVE	DOOR HINGE	6063-T5
7	GAS-46916	AS REQ'D	DOOR ADAPTER	6063-T5
8	GAS-30655	AS REQ'D	SIDELITE HEAD/JAMB	6063-T5
9	GAS-30656	AS REQ'D	SIDELITE SILL	6063-T5
10	GAS-30657	AS REQ'D	SIDELITE SILL STOP	6063-T5
11	GAS-43890	AS REQ'D	SIDELITE BACK TO BACK STILE	6063-T6
12	GAS-40926	AS-REQ'D	FLAT FILL COVER	6063-T6
13	1LY73	AS REQ'D	# 10 X 1" SCREW	STEEL
14	1MB16	AS-REQ'D	# 10 X 1 1/2" SCREW	STEEL
15	1LY63	AS-REQ'D	# 8 X 1" SCREW	STEEL
16	SCREWS	AS-REQ'D	# 14 X 1 1/2"	SMS
17	MPI 3046	AS-REQ'D	GLAZING GASKET-DUR = 70	FPVC
18	MPI 5547	AS REQ'D	U GLAZING CHANEL-DUR = 70	FPVC
19	W33321NK0020	AS REQ'D	ULTRA FIN WEATHERSEAL	POLYPROPYLENE
20	RA-2090L3RZAB3BP	1	LOCK (LATCH)	ZINC
21	RA-290DZ1ABBP	1	LOCK (DEAD BOLT)	ZINC
22	FLUSH BOLTS	2 PER LEAF	FLUSH BOLTS	ZINC/STEEL
23	GAH-35106	AS REQ'D	6" X 2" X 1/8" ALUM. TUBE	6063-T5
24	X109HT-100	AS REQ'D	"D" SECTION FOAM RUBBER SEAL	EPDM



Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
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Ph: (305)364-9952
Fax: (305)828-5118

SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.I.

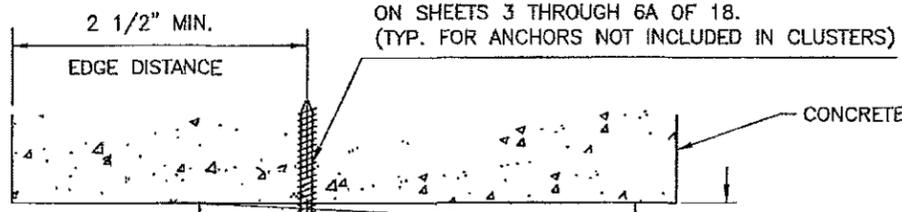
No	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No. **FD-12-01**
DATE: **06-12-13**
SCALE: **1/2"=1"**
SHEET **11** OF **18**

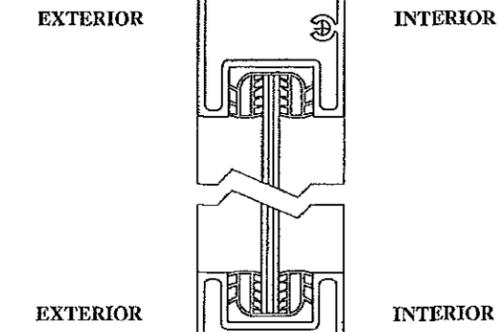
CLUSTER ANCHORS SHALL BE AS FOLLOWS:

- 5/16" ϕ ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" MIN. EDGE DISTANCE.
- 5/16" ϕ ULTRACON BY ELCO WITH 1 7/8" MIN. PENETRATION INTO WOOD AND 2 1/2" MIN. EDGE DISTANCE.
- 1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL.

5/16" ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE. 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 CONCRETE

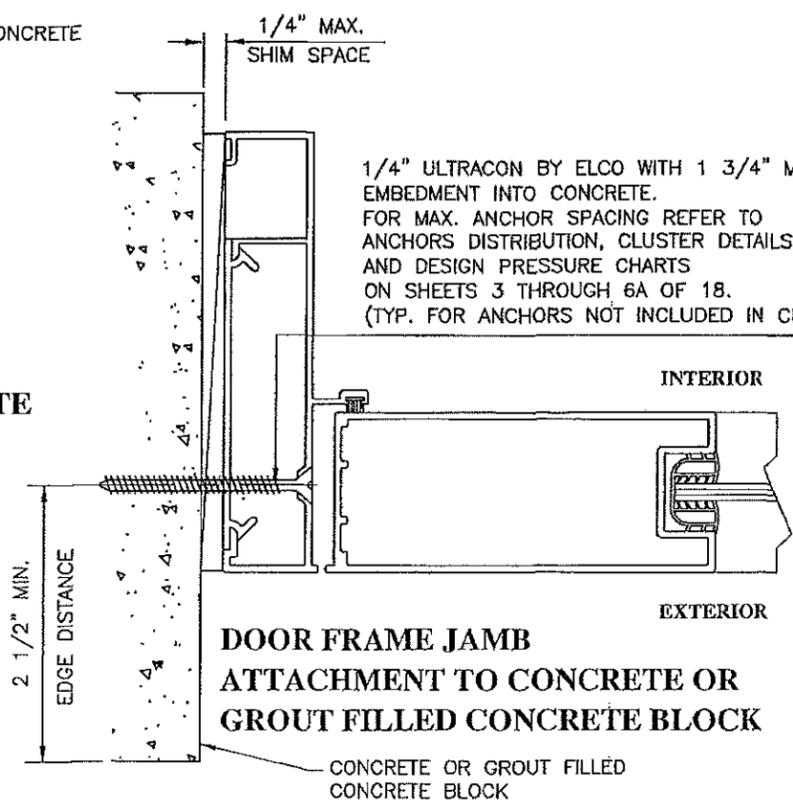


DOOR FRAME SILL ATTACHMENT TO CONCRETE FLOOR SLAB

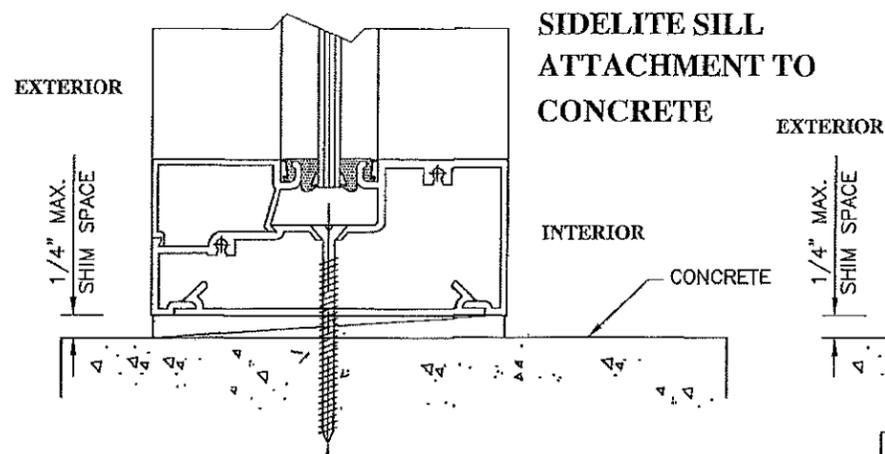
HIGH STRENGTH GROUT MUST BE MIN. 3 KSI NON SHRINK, NON METALIC.

5/16" ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE. 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)

1/4" ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE. 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)



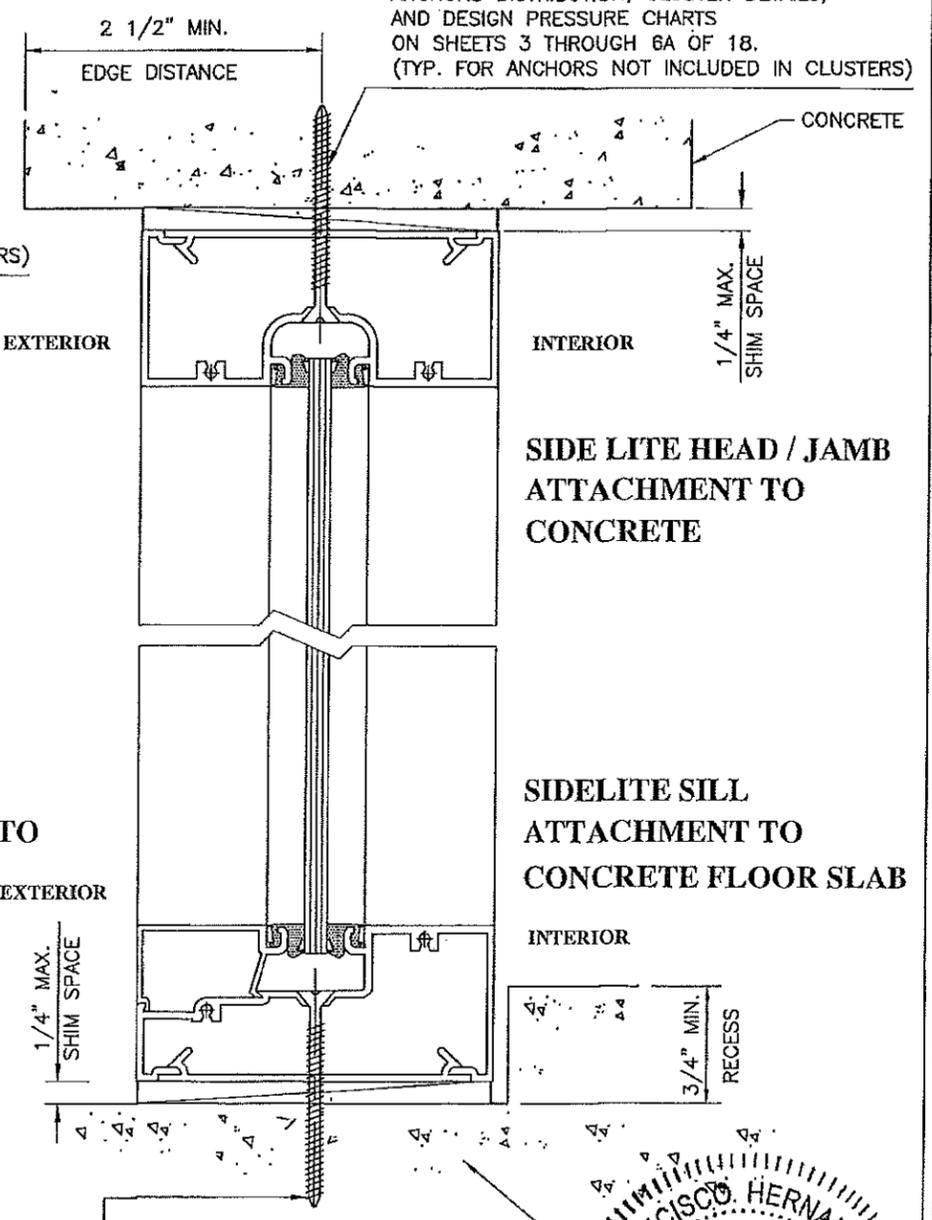
DOOR FRAME JAMB ATTACHMENT TO CONCRETE OR GROUT FILLED CONCRETE BLOCK



SIDELITE SILL ATTACHMENT TO CONCRETE

5/16" ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE. 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)

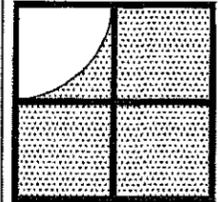
5/16" ULTRACON BY ELCO AT HEAD AND 1/4" ULTRACON BY ELCO AT JAMB WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE. FOR MAX. ANCHOR SPACING REFER TO ANCHORS DISTRIBUTION, CLUSTER DETAILS, AND DESIGN PRESSURE CHARTS ON SHEETS 3 THROUGH 6A OF 18. (TYP. FOR ANCHORS NOT INCLUDED IN CLUSTERS)



SIDELITE HEAD / JAMB ATTACHMENT TO CONCRETE

SIDELITE SILL ATTACHMENT TO CONCRETE FLOOR SLAB

ATTACHMENT DETAILS



Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax:(305)828-5118

SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.I.

REVISION	DATE	DESCRIPTION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**
By *[Signature]*
Miami-Dade Product Control

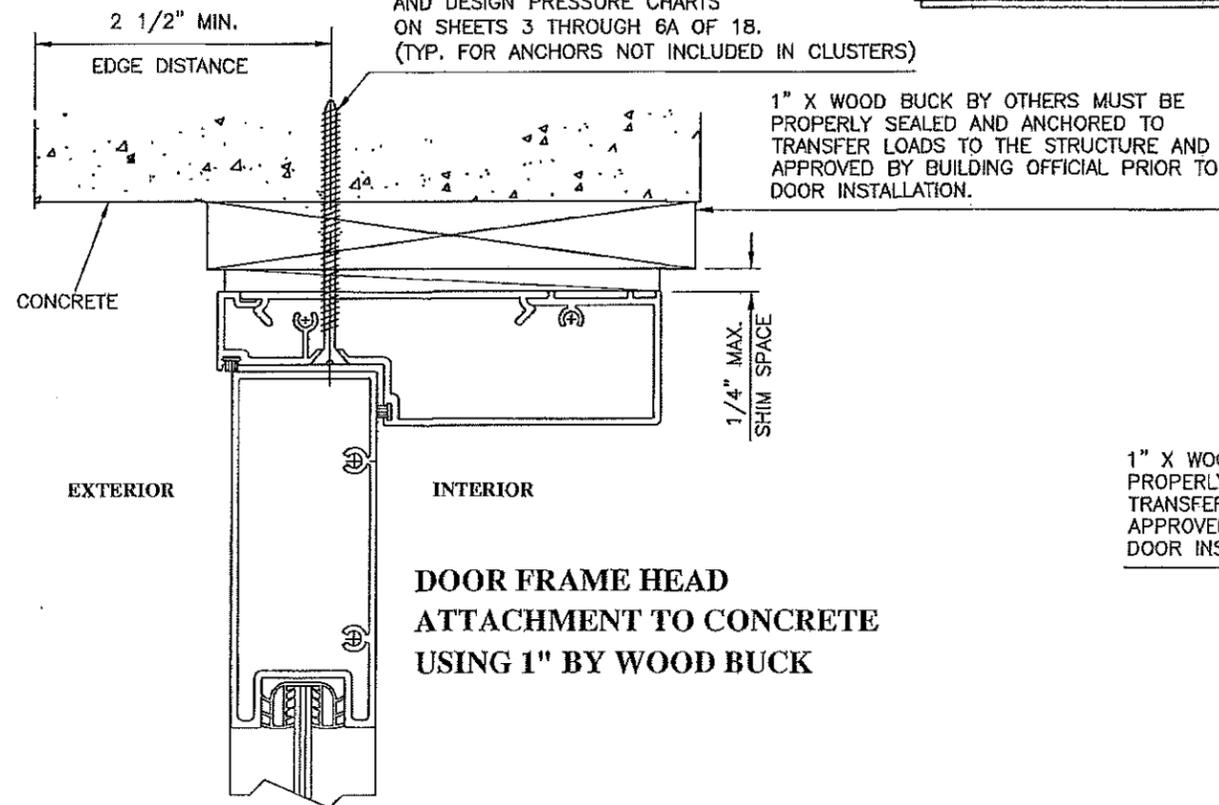
FRANCISCO HERNANDEZ
No. 51393
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

DRAWING No.
FD-12-01
DATE: 06-12-13
SCALE: 1/2"=1"
SHEET 12 OF 18

5/16" ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE THROUGH 1" X WOOD BUCK.
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)

CLUSTER ANCHORS SHALL BE AS FOLLOWS:

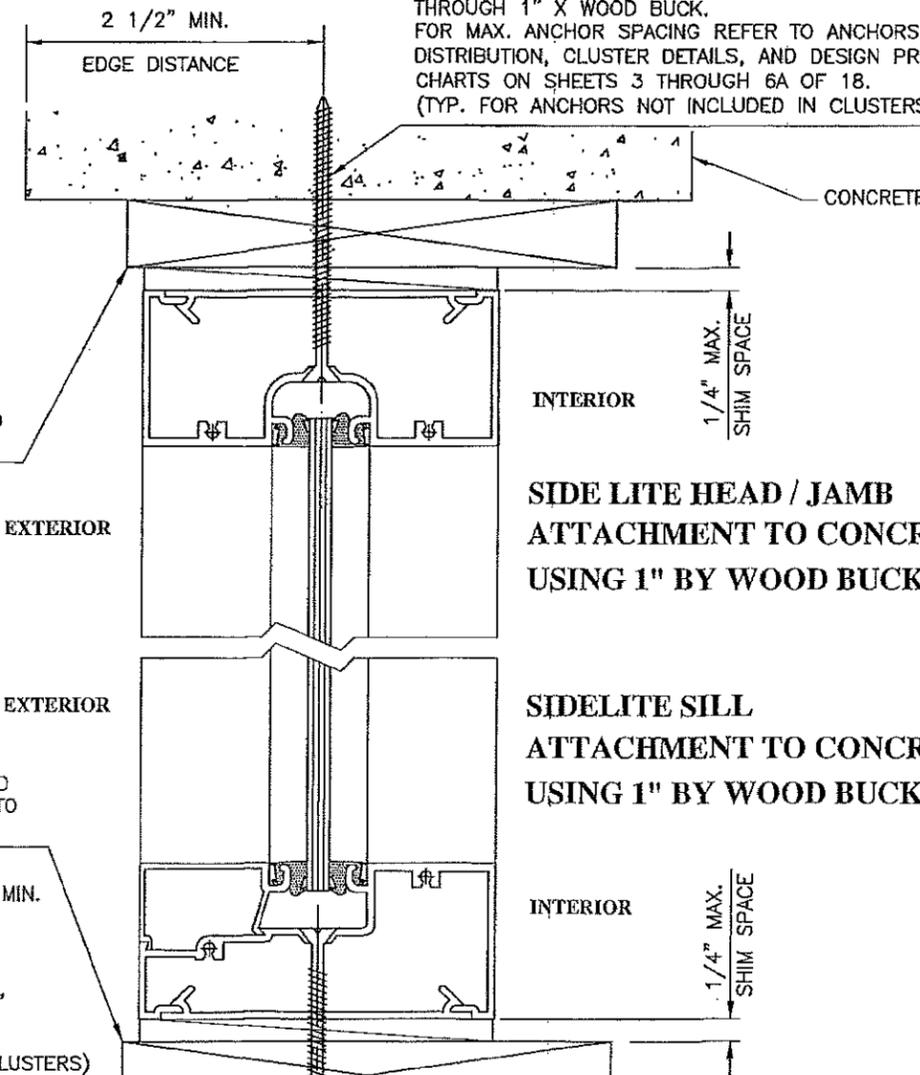
- 5/16" ϕ ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" MIN. EDGE DISTANCE.
- 5/16" ϕ ULTRACON BY ELCO WITH 1 7/8" MIN. PENETRATION INTO WOOD AND 2 1/2" MIN. EDGE DISTANCE.
- 1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL.



DOOR FRAME HEAD ATTACHMENT TO CONCRETE USING 1" BY WOOD BUCK

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.

5/16" ULTRACON BY ELCO AT HEAD AND 1/4" ULTRACON BY ELCO AT JAMB WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE THROUGH 1" X WOOD BUCK.
FOR MAX. ANCHOR SPACING REFER TO ANCHORS DISTRIBUTION, CLUSTER DETAILS, AND DESIGN PRESSURE CHARTS ON SHEETS 3 THROUGH 6A OF 18.
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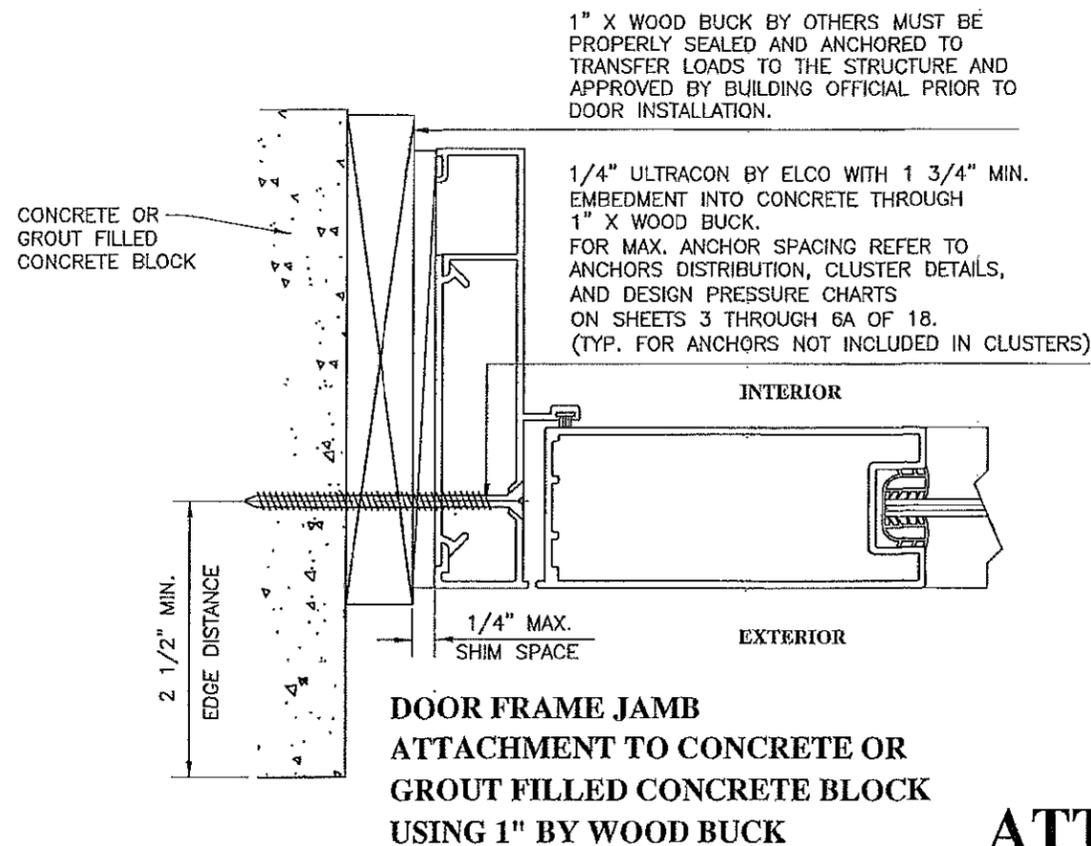


SIDE LITE HEAD / JAMB ATTACHMENT TO CONCRETE USING 1" BY WOOD BUCK

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.

SIDELITE SILL ATTACHMENT TO CONCRETE USING 1" BY WOOD BUCK

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 CONCRETE BLOCK USING 1" BY WOOD BUCK

1/4" ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE THROUGH 1" X WOOD BUCK.
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 WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE THROUGH 1" X WOOD BUCK.
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)

ATTACHMENT DETAILS

Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax:(305)828-5118

SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.I.

No	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No. FD-12-01
DATE: 06-12-13
SCALE: 1/2"=1"
SHEET 13 OF 18

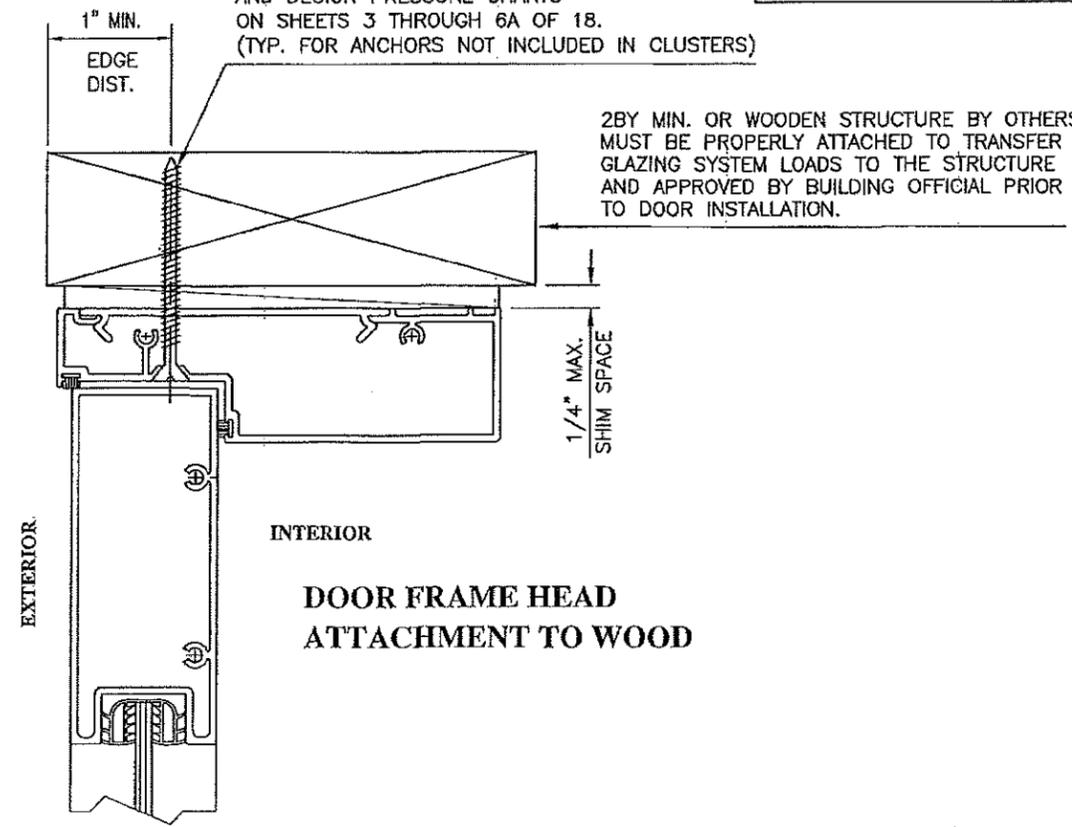
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0508.09
Expiration Date 05/02/2017
By *[Signature]*
Miami-Dade Product Control

FRANCISCO HERNANDEZ
LICENSE
No. 51393
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2-1-16
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

5/16" ULTRACON BY ELCO WITH 1 1/2" 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)

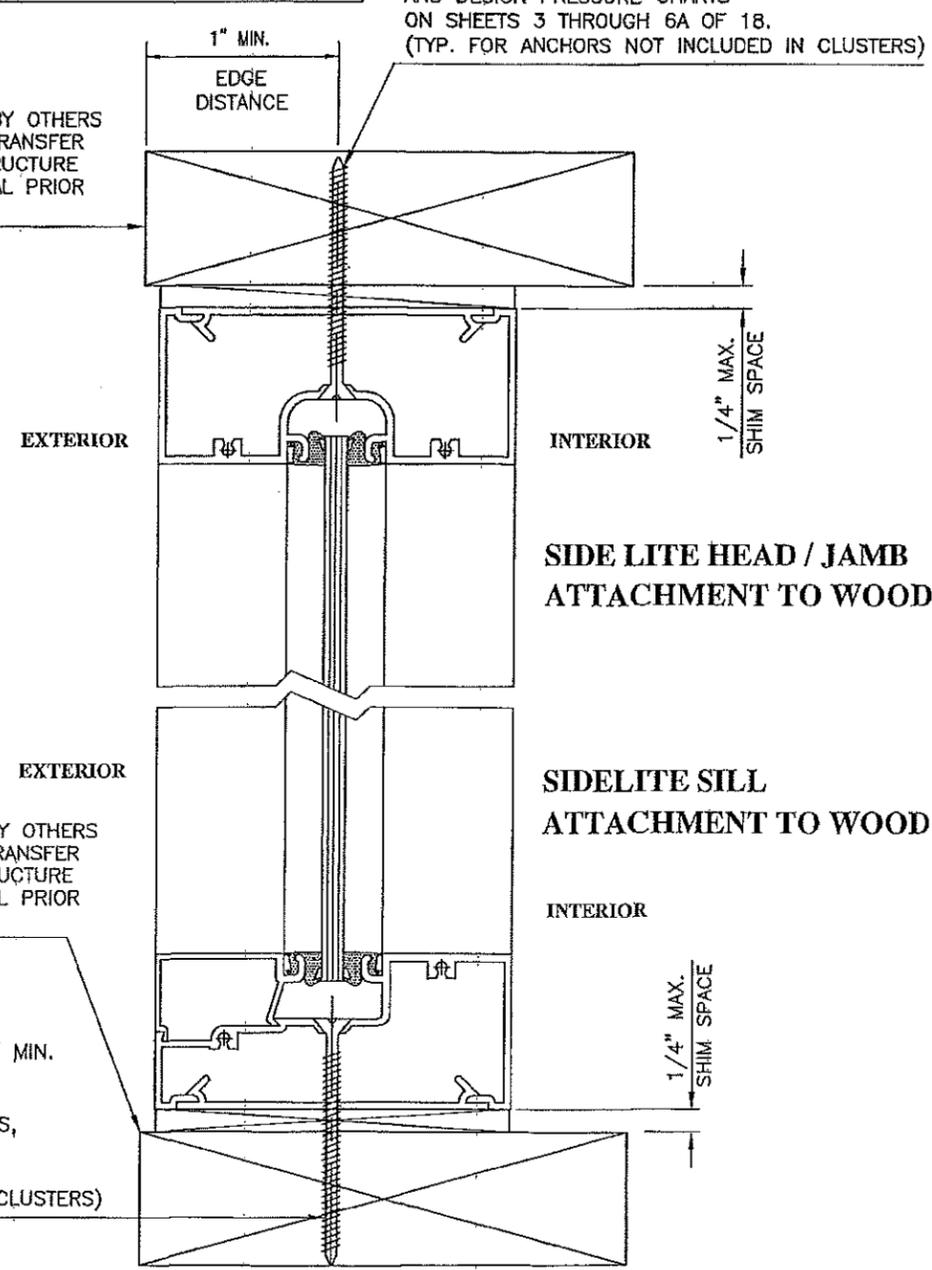
CLUSTER ANCHORS SHALL BE AS FOLLOWS:
 - 5/16" Ø ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" MIN. EDGE DISTANCE.
 - 5/16" Ø ULTRACON BY ELCO WITH 1 7/8" MIN. PENETRATION INTO WOOD AND 2 1/2" MIN. EDGE DISTANCE.
 - 1/4" Ø KWIK-FLEX BY HILTI OR DRIL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL.

5/16" ULTRACON BY ELCO AT HEAD AND 1/4" ULTRACON BY ELCO AT JAMB WITH 1 1/2" 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.
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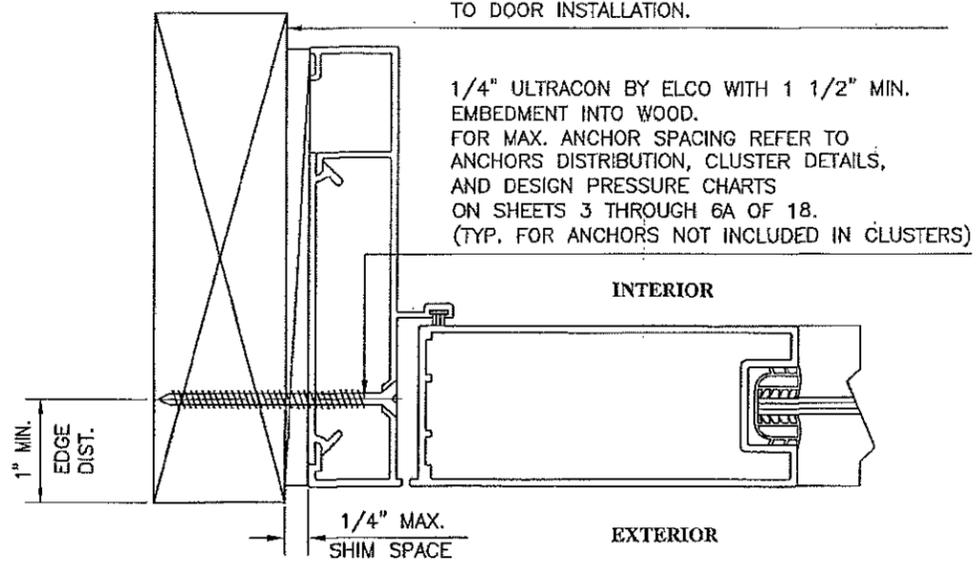
2BY MIN. OR WOODEN STRUCTURE BY OTHERS MUST BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

2BY MIN. OR 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.



2BY MIN. OR 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.

2BY MIN. OR 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.



1/4" ULTRACON BY ELCO WITH 1 1/2" 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 WITH 1 1/2" 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)

DOOR FRAME JAMB ATTACHMENT TO WOOD

ATTACHMENT DETAILS

PRODUCT REVISED
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 NOA-No. **15-0508.09**
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 By *[Signature]*
 Miami-Dade Product Control

FRANCISCO HERNANDEZ
 LICENSE
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 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
[Signature]
 9-1-16
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

Sunshine Windows Manufacturing, Inc.
 1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)364-9952
 Fax:(305)828-5118

SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.I.

REVISION No.	DATE	REVISION IN COMPLIANCE WITH
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

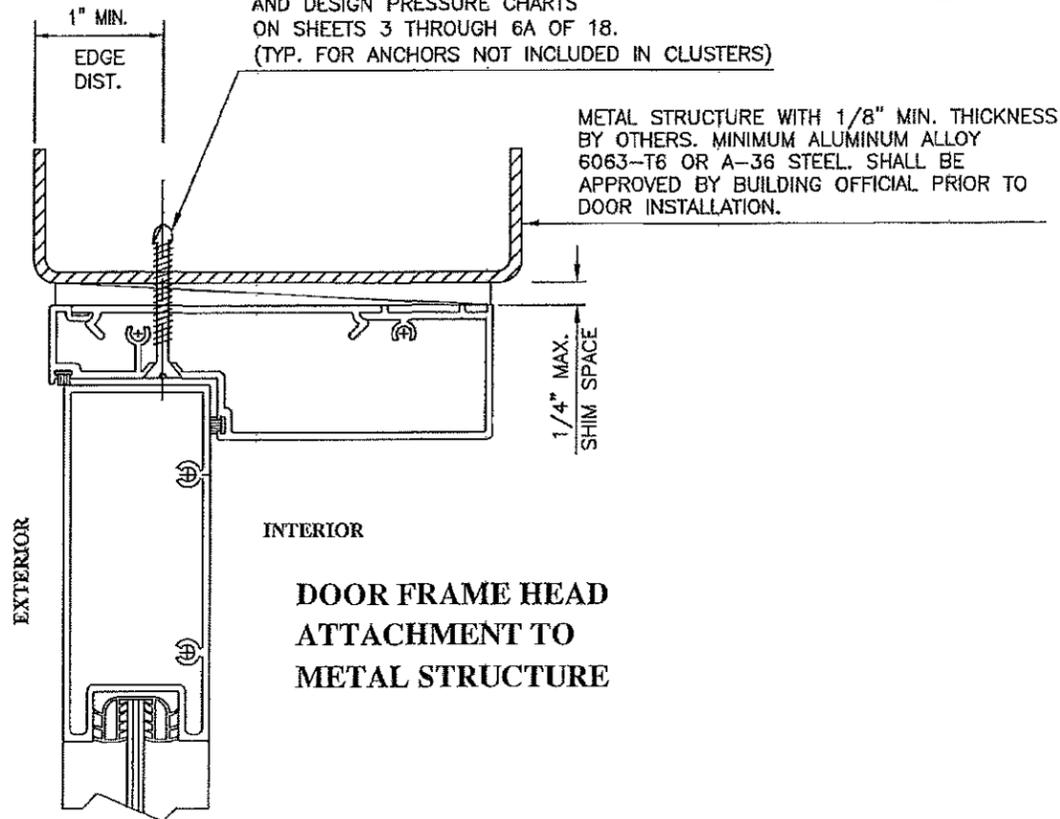
DRAWING No. **FD-12-01**
 DATE: **08-12-13**
 SCALE: **1/2"=1"**
 SHEET **14 OF 18**

1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-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)

CLUSTER ANCHORS SHALL BE AS FOLLOWS:

- 5/16" ϕ ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" MIN. EDGE DISTANCE.
- 5/16" ϕ ULTRACON BY ELCO WITH 1 7/8" MIN. PENETRATION INTO WOOD AND 2 1/2" MIN. EDGE DISTANCE.
- 1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL.

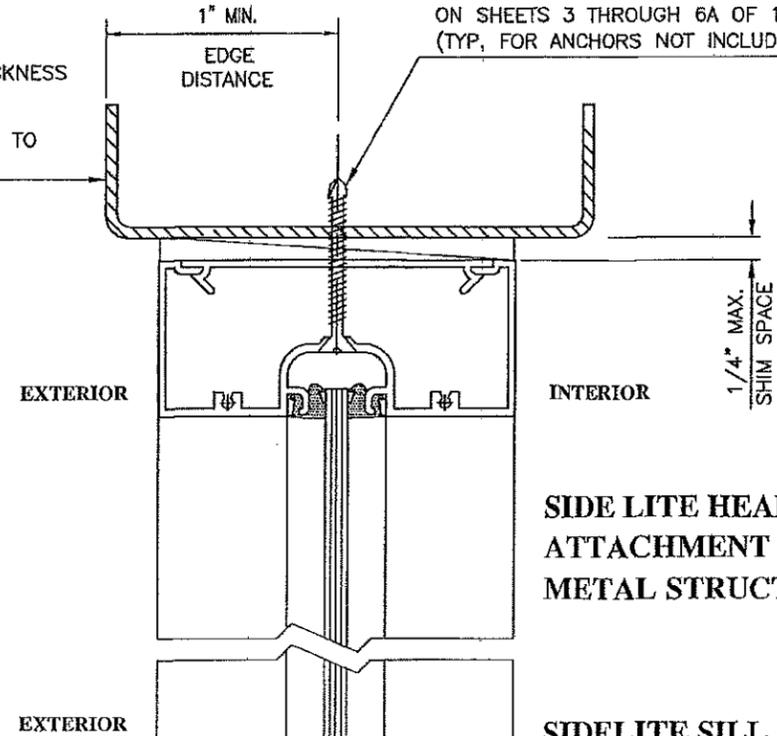
1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTRATE. FOR MAX. ANCHOR SPACING REFER TO ANCHORS DISTRIBUTION, CLUSTER DETAILS, AND DESIGN PRESSURE CHARTS ON SHEETS 3 THROUGH 6A OF 18. (TYP. FOR ANCHORS NOT INCLUDED IN CLUSTERS)



DOOR FRAME HEAD ATTACHMENT TO METAL STRUCTURE

METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS. MINIMUM ALUMINUM ALLOY 6063-T6 OR A-36 STEEL. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS. MINIMUM ALUMINUM ALLOY 6063-T6 OR A-36 STEEL. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.



SIDE LITE HEAD / JAMB ATTACHMENT TO METAL STRUCTURE

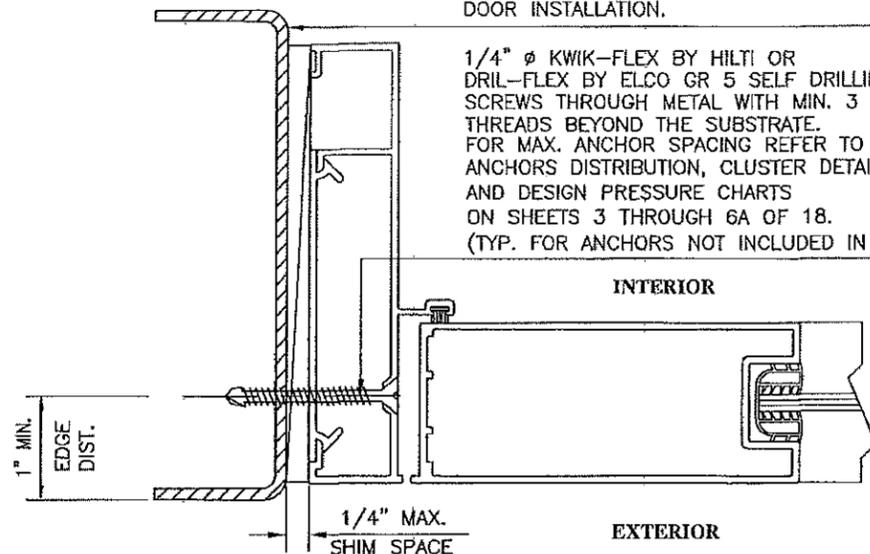
SIDE LITE SILL ATTACHMENT TO METAL STRUCTURE

METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS. MINIMUM ALUMINUM ALLOY 6063-T6 OR A-36 STEEL. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS. MINIMUM ALUMINUM ALLOY 6063-T6 OR A-36 STEEL. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-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)

1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-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 JAMB ATTACHMENT TO METAL STRUCTURE

ATTACHMENT DETAILS

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1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax:(305)828-5118

SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.J.

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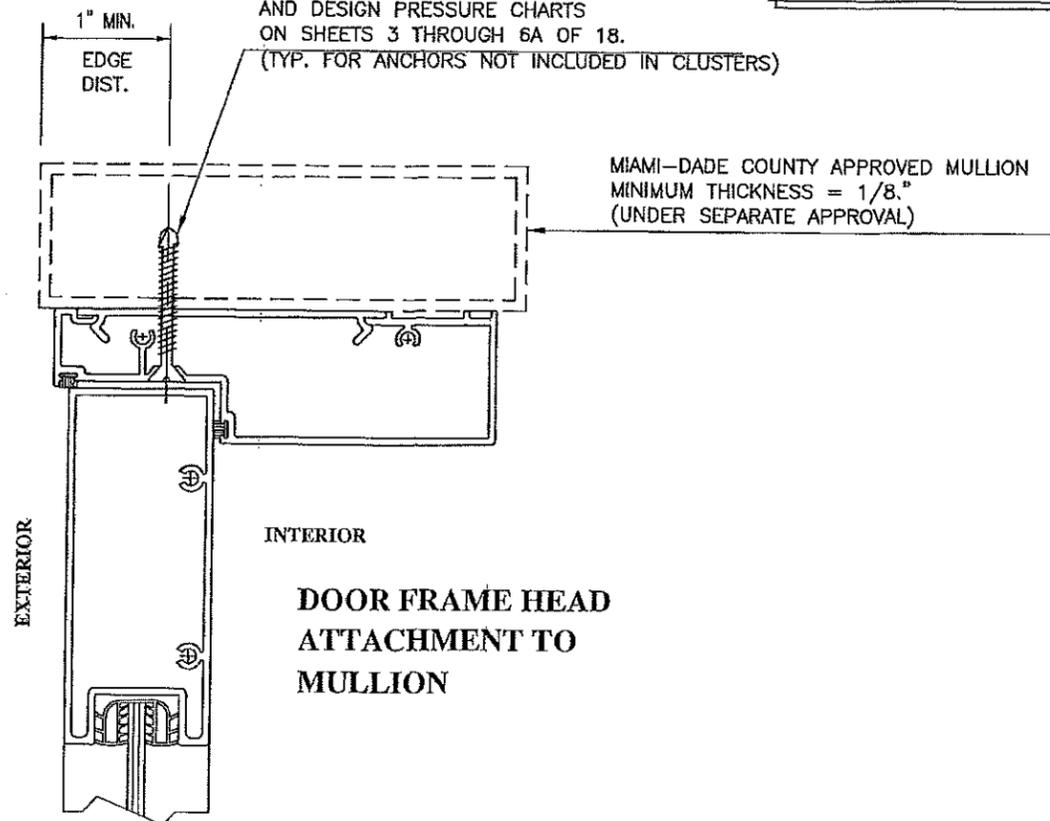
REVISION	DATE	DESCRIPTION
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DRAWING No. **FD-12-01**
DATE: **06-12-13**
SCALE: **1/2"=1"**
SHEET **15 OF 18**

1/4" Ø KWIK-FLEX BY HILTI OR DRIL-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.

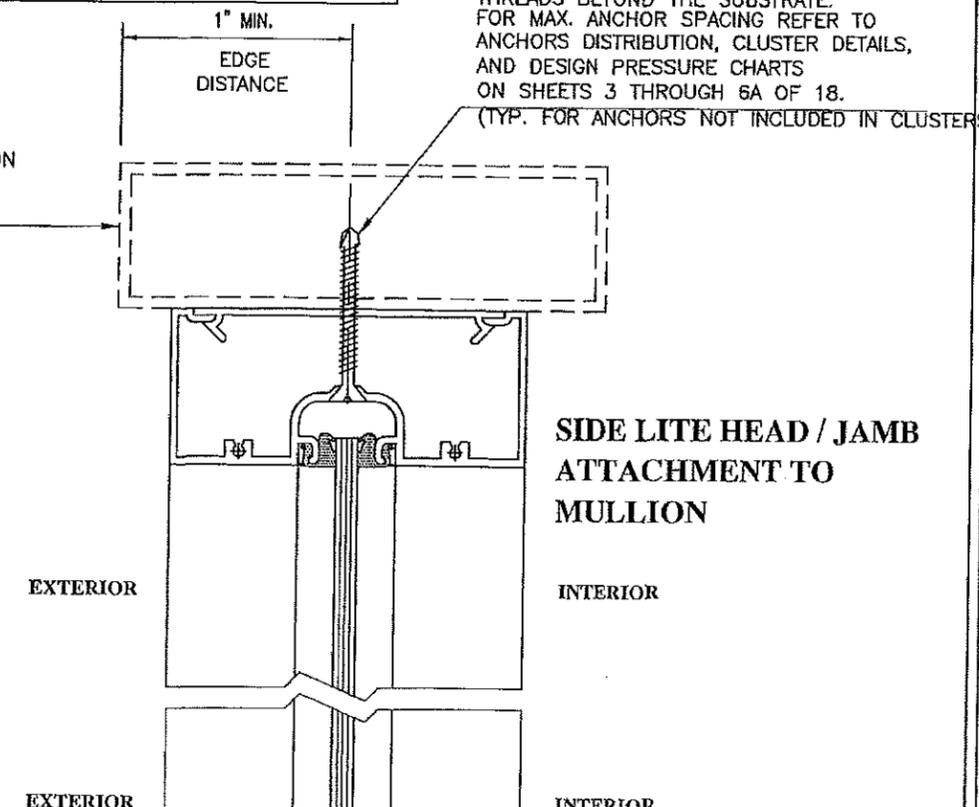
CLUSTER ANCHORS SHALL BE AS FOLLOWS:
 - 5/16" Ø ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" MIN. EDGE DISTANCE.
 - 5/16" Ø ULTRACON BY ELCO WITH 1 7/8" MIN. PENETRATION INTO WOOD AND 2 1/2" MIN. EDGE DISTANCE.
 - 1/4" Ø KWIK-FLEX BY HILTI OR DRIL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL.

1/4" Ø KWIK-FLEX BY HILTI OR DRIL-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.



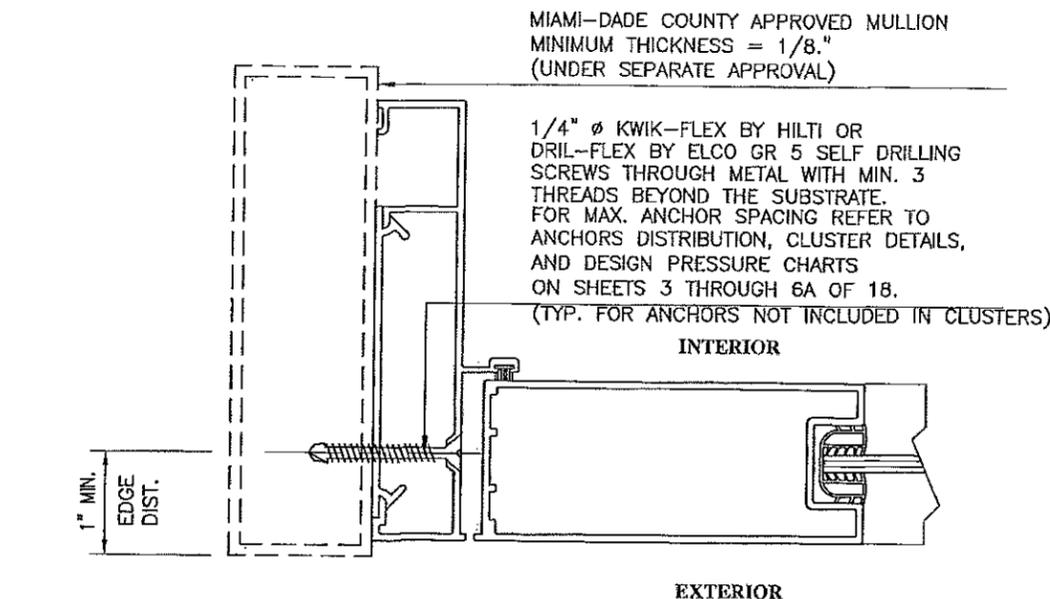
DOOR FRAME HEAD ATTACHMENT TO MULLION

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



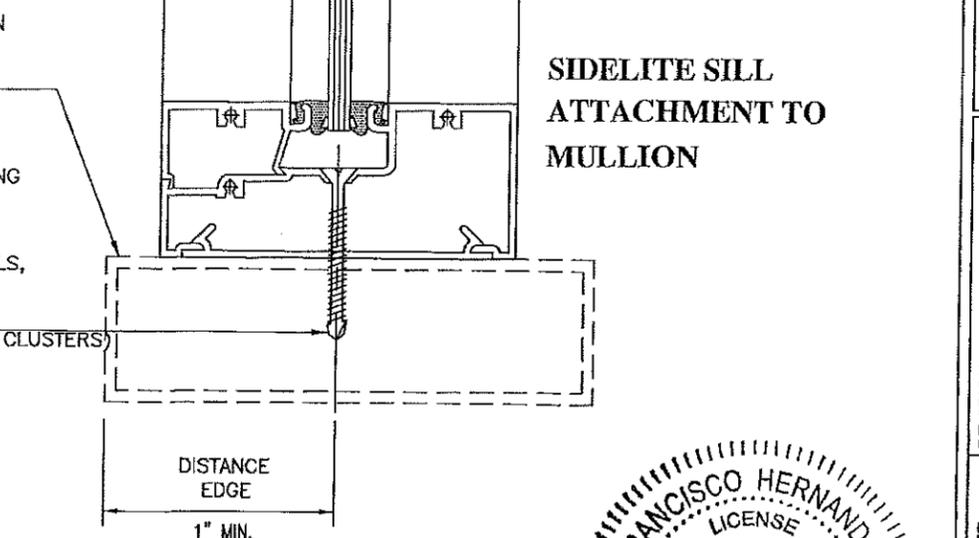
SIDE LITE HEAD / JAMB ATTACHMENT TO MULLION

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

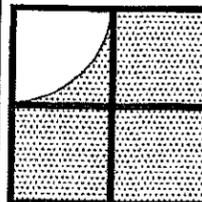


DOOR FRAME JAMB ATTACHMENT TO MULLION

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



SIDELITE SILL ATTACHMENT TO MULLION



Sunshine Windows Manufacturing, Inc.

1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)364-9952
 Fax: (305)828-5118

SERIES 2001 8'0" OUTSWING ALUMINUM FRENCH DOOR WITH SIDELITES - N.I.

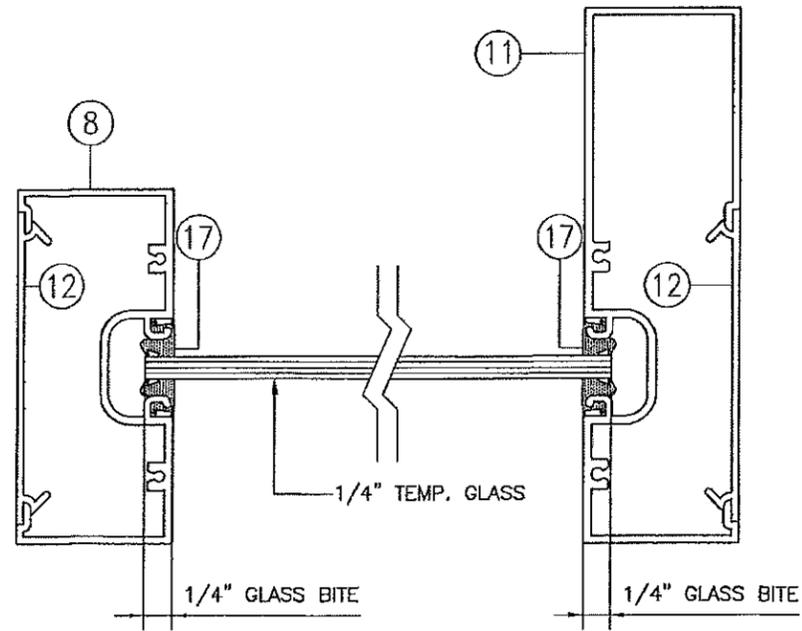
No.	DATE	REVISION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No. FD-12-01
 DATE: 06-12-13
 SCALE: 1/2"=1"
 SHEET 16 OF 18

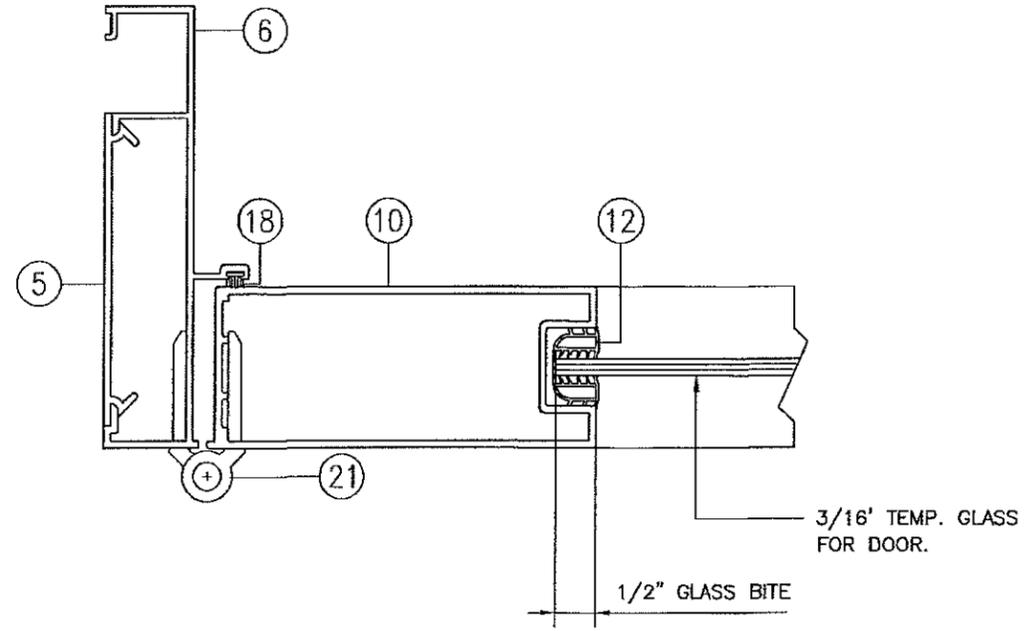
PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. **15-0508.09**
 Expiration Date **05/02/2017**
 By *[Signature]*
 Miami-Dade Product Control

FRANCISCO HERNANDEZ
 LICENSE
 No. 51393
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

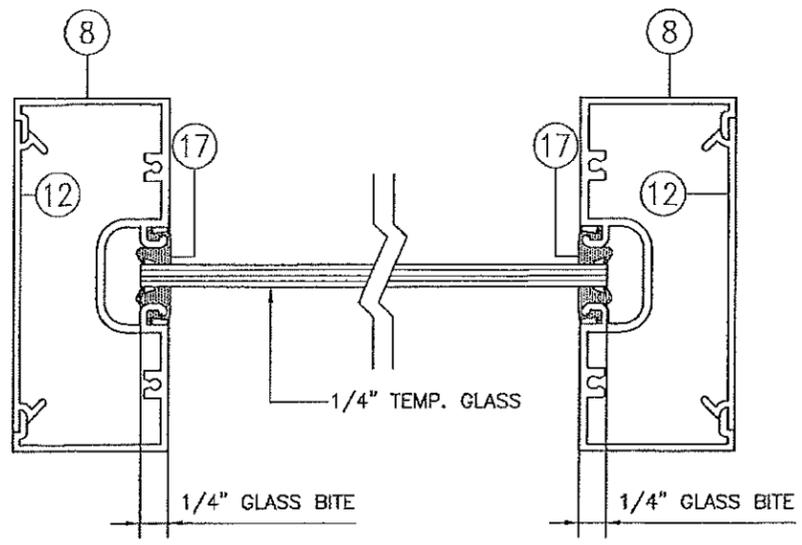
ATTACHMENT DETAILS



**SIDELITE WITH BACK TO BACK
GLAZING DETAIL**

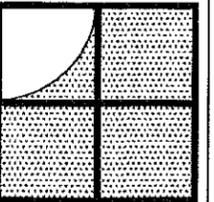


**FRENCH DOOR
GLAZING DETAIL**



**SIDELITE WITHOUT BACK TO BACK
GLAZING DETAIL**

GLAZING DETAILS



Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax:(305)828-5118

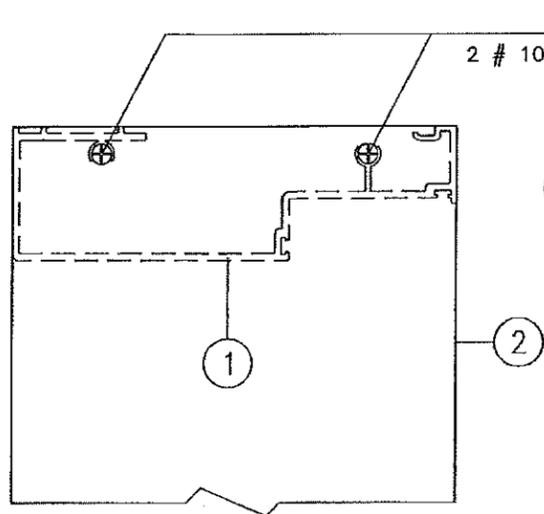
**SERIES 2001 8'0" OUTSWING
ALUMINUM FRENCH DOOR
WITH SIDELITES - N.J.**

REVISION	DATE	DESCRIPTION
1	06-26-16	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No.
FD-12-01
DATE: 06-12-13
SCALE: 1/2"=1"
SHEET 17 OF 18

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**
By *[Signature]*
Miami-Dade Product Control

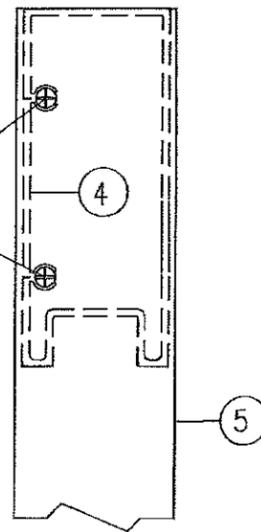
FRANCISCO HERNANDEZ
LICENSE
No. 51393
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
[Signature]
9-1-16
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



DOOR FRAME
UPPER CORNER

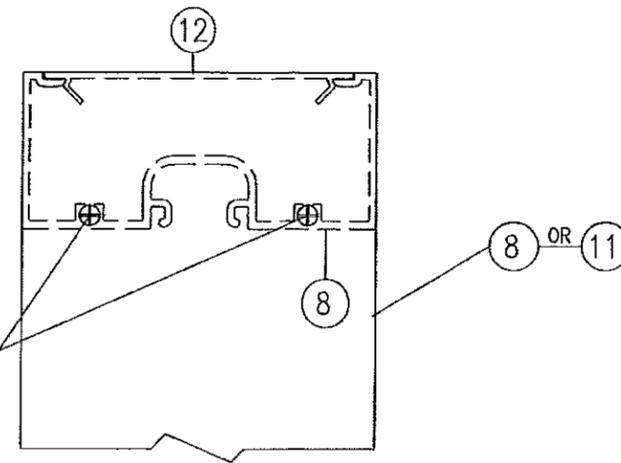
2 # 10 BY 1" PH. SMS (13)

(14) 2 # 10 BY 1 1/2" PH. SMS

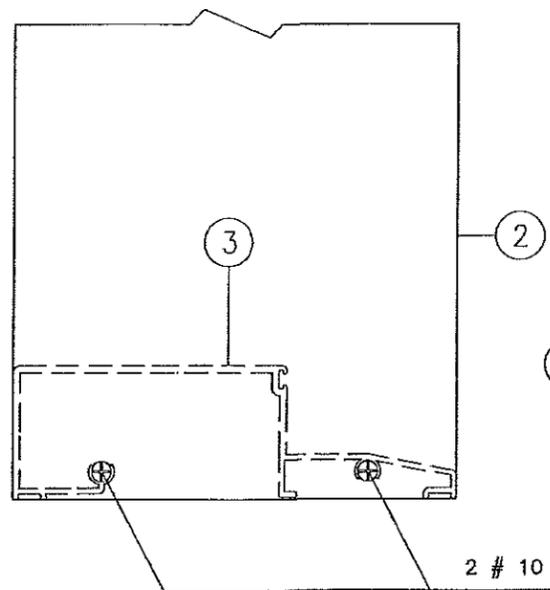


DOOR PANEL
UPPER CORNER

(15) 2 # 8 BY 1" PH. SMS



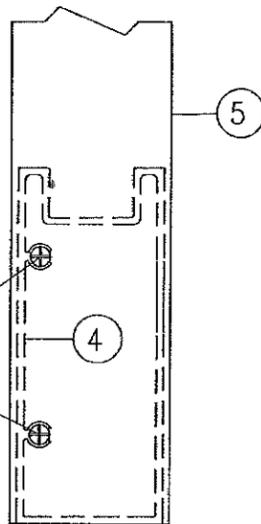
SIDELITE
UPPER CORNER



DOOR FRAME
BOTTOM CORNER

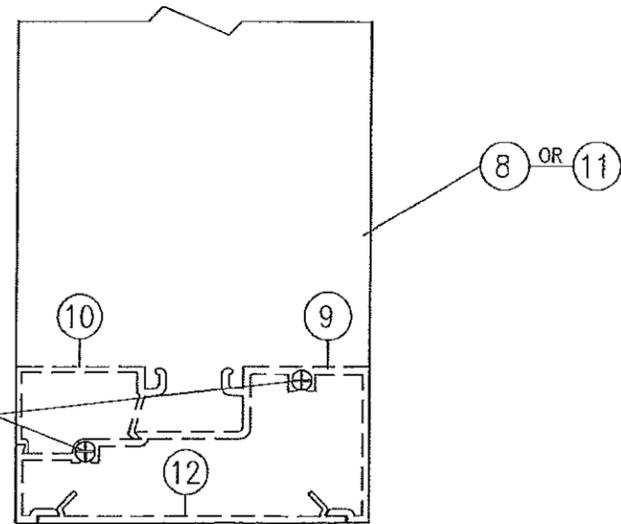
2 # 10 BY 1" PH. SMS (13)

(14) 2 # 10 BY 1 1/2" PH. SMS

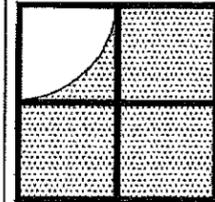


DOOR PANEL
BOTTOM CORNER

(15) 2 # 8 BY 1" PH. SMS



SIDELITE
BOTTOM CORNER



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Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax:(305)828-5118

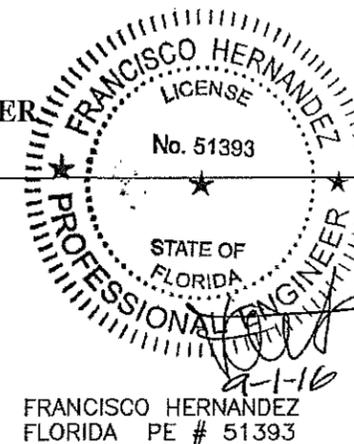
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SHEET 18 OF 18

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0508.09**
Expiration Date **05/02/2017**

By
Miami, Date Product Control



FRANCISCO HERNANDEZ
FLORIDA PE # 51393

CORNERS DETAILS