



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Windoor, Inc.**  
**104 Triple Diamond Blvd.**  
**North Venice, FL 34275**

**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 "450" Aluminum Inswing glazed Doors w/wo Sidelites - Impact**

**APPROVAL DOCUMENT:** Drawing **450FD3-NOA Rev B**, titled "Series 450 Alum French Doors Glazed & IS", sheets 1 thru 14 of 14, prepared by manufacturer, dated 06/12/20 and last revised on 08/10/2022, signed and sealed by Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**Limitations:**

1. See Design Pressure ratings in sheets **2, 4, 5, 13, 14, 15 & 16** for unit sizes Vs applicable lock options, mullion type, door/ sidelite, glass / sill types and anchors. Lower Design Pressure shall control.
2. For mulled units lower Design pressure of doors or mullion shall control for entire assembly.
3. Sills (threshold) types S-1, SS-1 & SS-2 are not rated for water infiltration. See thresholds (sills) sheets **9, 11, 12 & 13**.
4. See Partial 7/16" & 1" Composite panels in sheet **3**. Narrow stile sidelites are limited to **18"** or less.
5. The frame is of alternate size must not exceed 125 ft<sup>2</sup>, nor panel tested area and max. Panel height.

**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 # 21-0917.05 (PVT)** consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



*Ishaq I. Chanda*

NOA No. 22-0822.07  
Expiration Date: November 09, 2026  
Approval Date: September 29, 2022  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (Submitted under files below).
2. Drawing No. **W06-73 Rev I**, titled "Series 450 Inswing Doors & Sidelites", sheets 1, 1.1, 1.2, 2, 2.1, 2.2, 3, 3.1, 4, 5, 6, 7, 7.1 and 7.2 of 7, prepared by Al-Farooq Corporation, dated 10-27-06 and last revised on 03-22-16, signed and sealed by Javad Ahmad, P.E.

**B. TESTS (Submitted under files #14-1103.05/#12-0706.04/#11-1025.03/#09-0723.04)**

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(+50.0 PSF, sill S-I only)  
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 manufacturer's parts and section drawing marked-up drawings of aluminum In swing / Outswing door w/wo sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-0304-11** dated 11/28/2011 and **HTL-0080-0902-11**, signed and sealed by Vinu J. Abraham, P.E.

Note: This test report has been revised by addendum letters, issued by Architectural Testing (Former Hurricane Testing Lab), dated 01/20/12 and 04/03/12, both signed and sealed by Vinu J. Abraham, P.E.

Along with manufacturer's parts and section drawing marked-up drawings of double aluminum outswing doors, issued by Architectural Testing, Test Report No(s) **B-5234.02-450-18** dated 12/19/2011, signed and sealed by Vinu J. Abraham, P.E.

2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
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 manufacturer's parts and section drawing marked-up drawings of aluminum In/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-97055 (0080-912-97)** dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 4 tested per PA202-94, specimen #4, 5A, 5B, 5C tested per PA201-94 & PA203-94, signed and sealed by Timothy S. Marshall, P.E.

Along with manufacturer's parts and section drawing marked-up drawings of aluminum out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-01071 (0080-0402-02)** dated 04/01/2002 tested per PA201-94 & PA203-94, signed and sealed by Vinu J. Abraham, P.E. (submitted in file # **09-0723.04**). Original tests conducted per SFBC, PA 201, 202 & 203-94 now known as FBC, TAS 201, 202 & 203-94.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No 22-0822.07**  
**Expiration Date: November 09, 2026**  
**Approval Date: September 29, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (continue):**

3. Reference Certified Testing Laboratories test report # CTLA **3056WA**, issued to CGI Windows & Doors Inc. per TAS 201, 202 and 203-94 for specimen #1 thru #30 for laminated PVB glass, insulated PVB laminated glass with Duraseal and super spacers, signed and sealed by Ramesh C. Patel, P.E.

**C. CALCULATIONS (Submitted under files #14-1103.05)**

1. Anchor verification calculations and structural analysis, complying with FBC-2014(**5<sup>th</sup> Edition**), prepared by Al Farooq Corporation, dated 10/27/14 and last revised on AUG 27, 2015, signed, and sealed by Javad Ahmad, P.E.
2. Additional intermediate horizontal mull calculations, prepared by Al Farooq Corporation, dated JUN 29, 2012, signed and sealed by Javad Ahmad, P.E. (Submitted under file # **11-1025.03**)
3. Glazing complies w/ ASTM E-1300-02, -04 & -09.

**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., Inc.) for the “**Sentry Glass ® Interlayer**”, expiring on 07/4/17.
2. Notice of Acceptance No. **14-0423.15** issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the “**Saflex CP - Saflex and Saflex HP Composite Glass Interlayers w/ PET Core**”, expiring on 12/11/18.
3. Notice of Acceptance No. **15-1201.11** issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the “**Saflex Clear and Color Glass Interlayers**”, expiring on 05/21/21.

**F. STATEMENTS (Submitted under files #14-1103.05)**

1. Statement letter of conformance to FBC 2014(**5<sup>th</sup> Edition**) and letter of no financial interest, prepared by Al Farooq Corporation, dated 10/03/14, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance and addendum letters, as part of the above referenced test reports.

**G. OTHER**

1. This NOA **revises & renews # 14-1103.05**, expiring on November 09, 2021.
2. Hardware cut sheets verified and marked-up by the Architectural Testing (former Hurricane Testing lab).
3. Test proposal dated 12/16/14 approved by RER and Test proposal # **10-0940**, dated 11/17/10 approved by BNC.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No 22-0822.07**  
**Expiration Date: November 09, 2026**  
**Approval Date: September 29, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing **450FD3-NOA Rev A** (former No.**18-106D**), titled “Series 450 Alum French Doors Glazed & IS”, sheets 1 thru 14 of 14, prepared by manufacturer, dated 06/12/20, signed and sealed by Lynn Miller, 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

along with marked-up drawings and installation diagram of all PGT Industries, Inc., CGI Windows and Doors, Inc. and WinDoor, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #**19-1155TP**, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:

**WinDoor, Inc. test specimens:**

**FTL-20-2078.1**, WinDoor PW3000 Aluminum Fixed Lite (unit 11 in proposal)  
**FTL-20-2078.2**, WinDoor HR9470 Thermally Broken Alum. Horiz. Roller (unit 12)  
**FTL-20-2078.3**, WinDoor SGD8100 Alum. Sliding Glass Door (unit 13 in proposal)  
**FTL-20-2078.4**, WinDoor HR9470 Thermally Broken Alum. Horiz. Roller (unit 14)  
**FTL-20-2078.5**, WinDoor PW9020 Alum. Fixed Lite (unit 15 in proposal) and  
**FTL-20-2078.6**, WinDoor PW9020 Alum. Fixed Lite (unit 16 in proposal)  
all dated 09/24/20 and signed and sealed by Idalmis Ortega, P.E.

**PGT Industries, Inc. test specimens:**

**FTL-7897**, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14  
**FTL-20-2107.1**, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) **FTL-20-2107.2**, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) **FTL-20-2107.3**, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and **FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal)  
all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.

**CGI Windows and Doors Inc. test specimens:**

**FTL-20-2108.1**, CGI SH360 Aluminum Single Hung Window (unit 1 in proposal) **FTL-20-2108.2**, CGI CA238 Alum. Outswing Casement Window (unit 2 in proposal) **FTL-20-2108.3**, CGI SGD560 Aluminum Sliding Glass Door (unit 3 in proposal) **FTL-20-2108.4**, CGI PW410 Aluminum Fixed Window (unit 4 in proposal) and **FTL-20-2108.5**, CGI SH360 Aluminum Single Hung Window (unit 5 in proposal), all dated 08/24/20 and signed and sealed by Idalmis Ortega, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No 22-0822.07**  
**Expiration Date: November 09, 2026**  
**Approval Date: September 29, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 7<sup>th</sup> Edition (2020)**, dated 06/12/20 and revised on 06/20/20, prepared by manufacturer, signed, and sealed by Anthony Lynn Miller, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the “**Sentry Glass ® Interlayer**”, expiring on 07/4/23.
2. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the “**Saflex CP - Saflex and Saflex HP Composite Glass Interlayers w/ PET Core**”, expiring on 12/11/23.
3. Notice of Acceptance No. **15-1201.11** issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the “**Saflex Clear and Color Glass Interlayers**”, expiring on 05/21/21.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2020 (**7<sup>th</sup> Edition**), issued by manufacturer, dated 6/12/20, signed and sealed by Lynn Miller, P. E.
2. Notification of Successor Engineer per the Florida Administrative Code Section 61G15-27.001, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 06/12/20, signed and sealed by A. Lynn Miller, P.E.
3. Private Label Agreement dated 07/17/20 between Windoors, Inc. and CGI Windows and Doors, signed by Dean M. Ruark, P.E., V.P. Eng., on behalf of respective companies

**G. OTHER**

1. This NOA **renews # 18-0926.05 (PLA)**, updates to FBC 2020, expiring 11/09/21.
2. Additional associated reference file **#20-0619.07 (LMI)**.
3. RER Test proposals **#19-1155** dated 01/10/20 approved by Ishaq I. Chanda, P.E.

*Ishaq I. Chanda*

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Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No 22-0822.07  
Expiration Date: November 09, 2026  
Approval Date: September 29, 2022

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing **450FD3-NOA Rev A** (former No.**18-106D**), titled “Series 450 Alum French Doors Glazed & IS”, sheets 1 thru 14 of 14, prepared by manufacturer, dated 06/12/20, signed and sealed by Lynn Miller, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS** (submitted under file # 20-0619.07)

1. Anchor verification calculations and structural analysis, complying with **FBC 7<sup>th</sup> Edition (2020)**, dated 06/12/20 and revised on 06/20/20, prepared by manufacturer, signed, and sealed by Anthony Lynn Miller, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **21-0216.01** issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the “**Saflex Clear and Color Glass Interlayers**”, expiring on 05/21/26.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition) and No financial interest with Testing lab, issued by PGT, dated 09/14/21, signed and sealed by Lynn Miller, P. E.
2. Statement letter dated 09/14/21, request for renewal with no change, issued by PGT, signed and sealed by Lynn Miller, P. E.
3. Private Label Agreement dated 07/17/20 between Windoor, Inc. and CGI Windows and Doors, signed by Dean M. Ruark, P.E., V.P. Eng., on behalf of respective companies (submitted under previous approval)

**G. OTHER**

1. This NOA **renews #20-0619.07 (PLA)**.
2. Additional associated reference file **#21-0917.02 (LMI)**.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No 22-0822.07**  
**Expiration Date: November 09, 2026**  
**Approval Date: September 29, 2022**



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. New Evidence submitted**

**A. DRAWINGS**

1. Drawing **450FD3-NOA Rev B**, titled "Series 450 Alum French Doors Glazed & IS", sheets 1 thru 14 of 14, prepared by manufacturer, dated 06/12/20 and last revised on 08/10/2022, signed and sealed by Lynn Miller, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS (submitted under previous submittal)**

1. Anchor verification calculations and structural analysis, complying with **FBC 7<sup>th</sup> Edition (2020)**, dated 06/12/20 and revised on 06/20/20, prepared by manufacturer, signed, and sealed by Anthony Lynn Miller, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **21-0216.01** issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the "**Saflex Clear and Color Glass Interlayers**", expiring on 05/21/26.
2. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the "**Sentry Glass ® Interlayer**", expiring on 07/4/23.
3. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the "**Saflex CP - Saflex and Saflex HP Composite Glass Interlayers w/ PET Core**", expiring on 12/11/23.

**F. STATEMENTS (items #2 & #3 submitted under previous approval)**

1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition) and No financial interest with Testing lab, issued by PGT, dated 08/15/22, signed and sealed by Lynn Miller, P. E
2. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition) and No financial interest with Testing lab, issued by PGT, dated 09/14/21, signed and sealed by Lynn Miller, P. E.
3. Private Label Agreement dated 07/17/20 between Windoor, Inc. and CGI Windows and Doors, signed by Dean M. Ruark, P.E., V.P. Eng., on behalf of respective companies (submitted under previous approval)

**G. OTHER**

1. This NOA **revises # 21-0917.05 (PLA)**, expiring 11/09/26.
2. Additional associated reference files # 22-0822.04, #21-0917.02 and #20-0619.03.

\_\_\_\_\_ Ishaq I. Chanda  
Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No 22-0822.07  
Expiration Date: November 09, 2026  
Approval Date: September 29, 2022

# SERIES 450 ALUM. INSWING GLAZED DOORS WITH OR WITHOUT SIDELITES, LARGE & SMALL MISSILE

1) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7th EDITION) FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ). THIS DOOR IS NOT RATED FOR WATER INFILTRATION RESISTANCE AND MUST ONLY BE INSTALLED WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR AN OVERHANG IS PROVIDED PER FIG. 2, THIS SHEET.

2) 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

3) ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

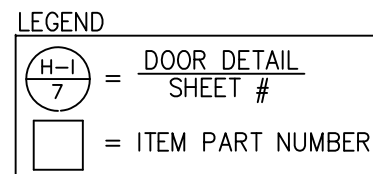
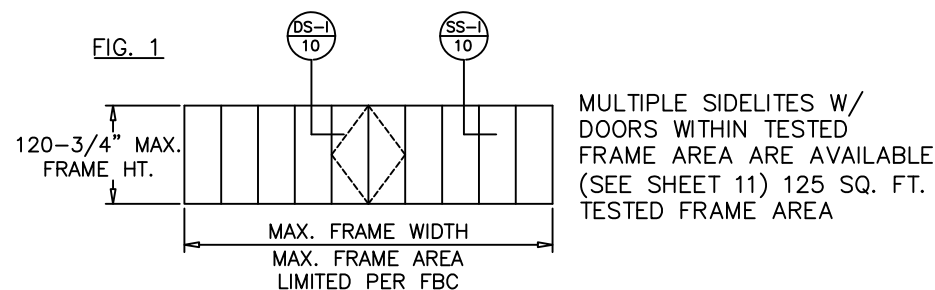
4) A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

5) ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

6) MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FBC & ADOPTED STANDARDS.

7) THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

8) EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.



## STEPS TO USE CHARTS:

- 1) DETERMINE WIND LOAD BASED ON PROVISIONS OF THE FBC.
- 2) CONFIRM THAT FIG. 2, THIS SHEET, APPLIES OR THAT WATER INFILTRATION RESISTANCE IS NOT REQUIRED.
- 3) SELECT A DOOR SYSTEM I.E. INSWING AND TYPE OF THRESHOLD FROM SHEET 11 AND LOCK OPTIONS FROM SHEET 2.
- 4) CHECK THE ALLOWABLE EXTERIOR AND INTERIOR LOADS FROM APPROPRIATE CHARTS ON SHEETS 2, 10 & 11. THE ALLOWABLE LOADS MUST MEET OR EXCEED THE DESIGN LOADS REQUIREMENTS.
- 5) SELECT AND CHECK ANCHORS TO MEET LOAD. (SEE SHEETS 12 & 13)
- 6) FOR MULLED SIDELITE REFER TO MULLION CAPACITY ON SHEET 10.

7) LOWER DESIGN PRESSURE FROM LOCKS CHART, PANEL PERFORMANCE CHART, MULLION PERFORMANCE CHART AND ANCHOR CAPACITY CHARTS AT MULLION AND MTG. STILE ENDS SHALL CONTROL THE ENTIRE SYSTEM.

8) MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FBC.

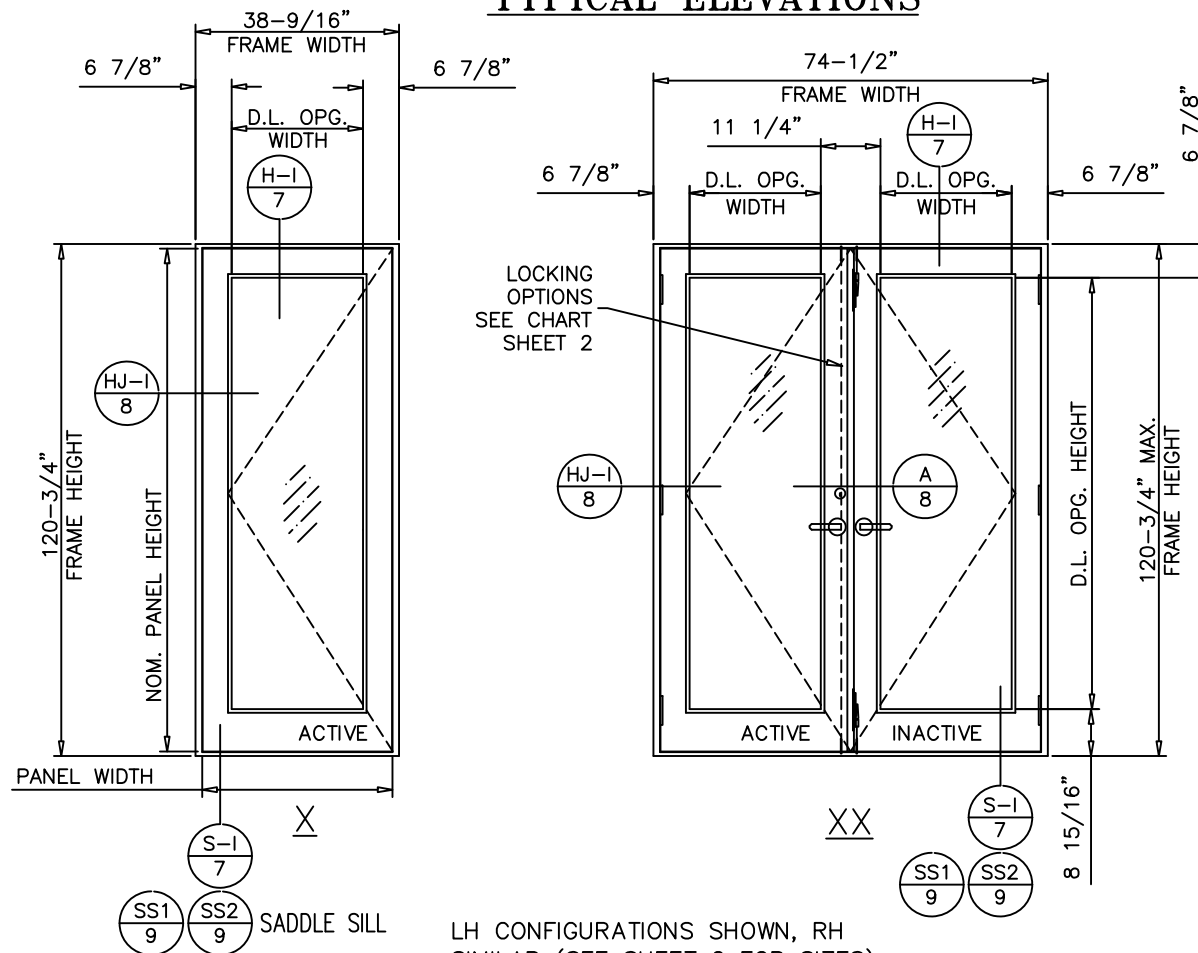
FIG. 2

OH LENGTH

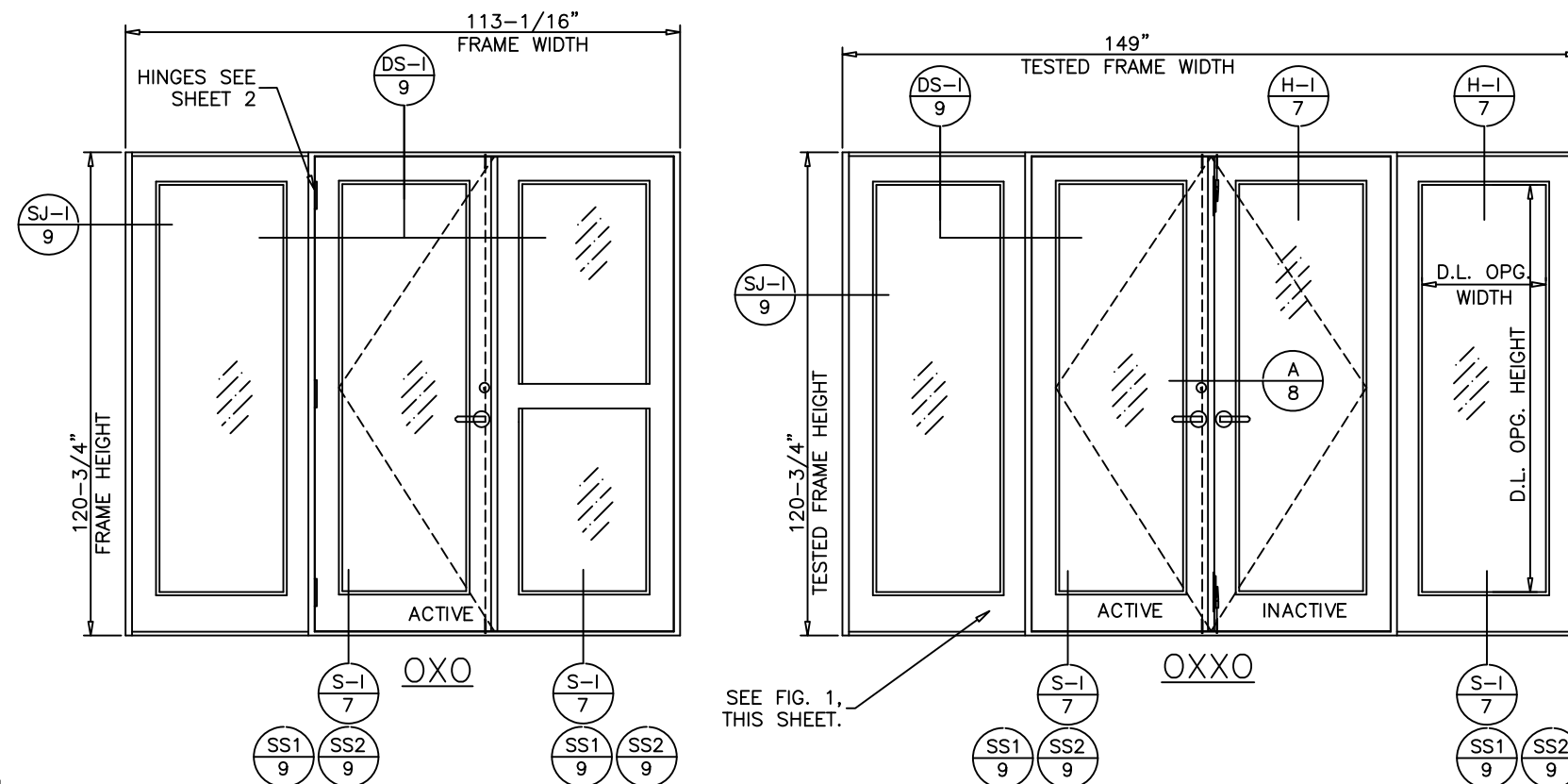
OH HEIGHT

DOOR MUST BE INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT.

## TYPICAL ELEVATIONS



LH CONFIGURATIONS SHOWN, RH SIMILAR (SEE SHEET 2 FOR SIZES)



FRAME HEIGHT = PANEL HEIGHT + 1-7/8\" (STD. THRESHOLD)  
FRAME HEIGHT = PANEL HEIGHT + 1-5/8\" (ADA THRESHOLD)  
FRAME WIDTH = PANEL WIDTH + 2-13/16\"

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Isaac L. Chan*  
Miami-Dade Product Control

Revision:  
CLARIFIED WATER  
INFILTRATION RESISTANCE  
REQUIREMENTS - JR -  
8/10/22

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

REGISTRATION #29296

**WinDoor®**  
INCORPORATED  
104 TRIPLE DIAMOND BLVD.  
N. VENICE, FL 34275  
(407) 481-8400

450 ALUM. FRENCH DOOR - GLAZED & IS (LM)

GEN. NOTES AND ELEVATIONS

FD450 INSWING

Sheet  
NTS

1 OF 14

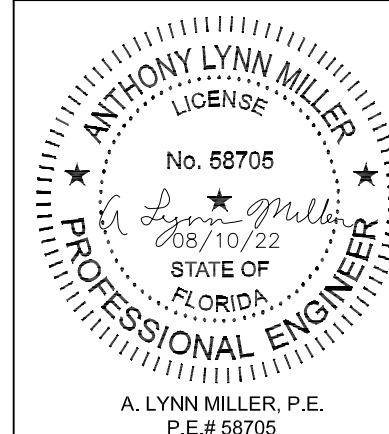
DWG

No.  
450FD3B-NOA

Rev.  
B

Date  
06/12/2020

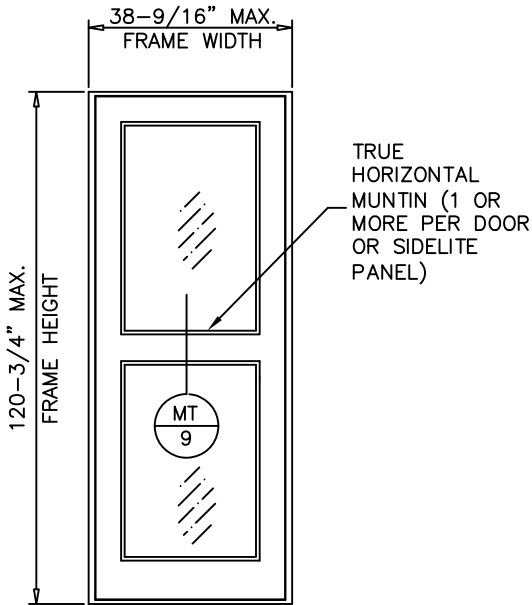
Drawn By  
J ROSOWSKI



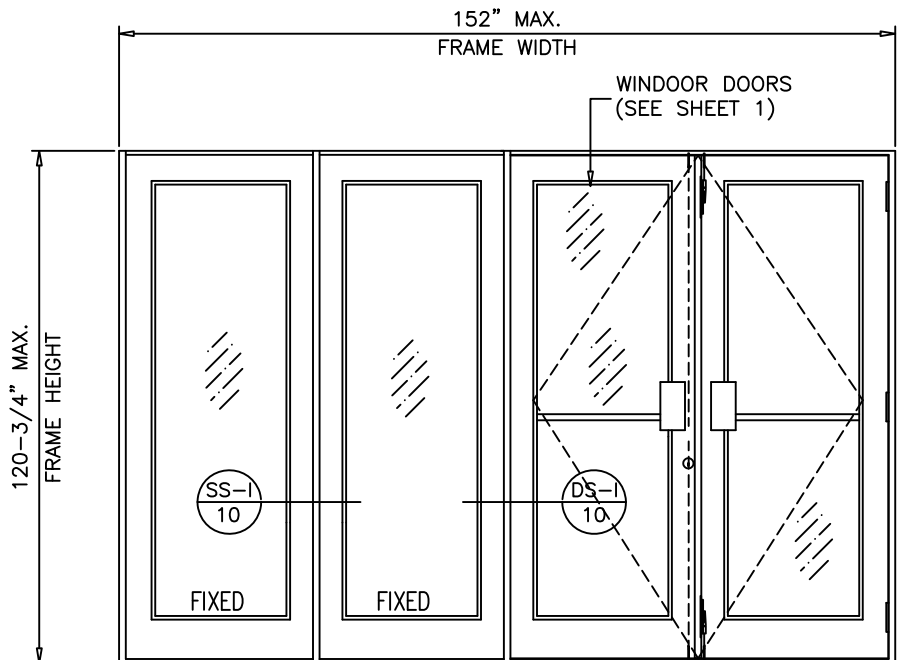
A. LYNN MILLER, P.E.  
P.E.# 58705



HARDWARE DESCRIPTION, TYPICAL ELEVATIONS



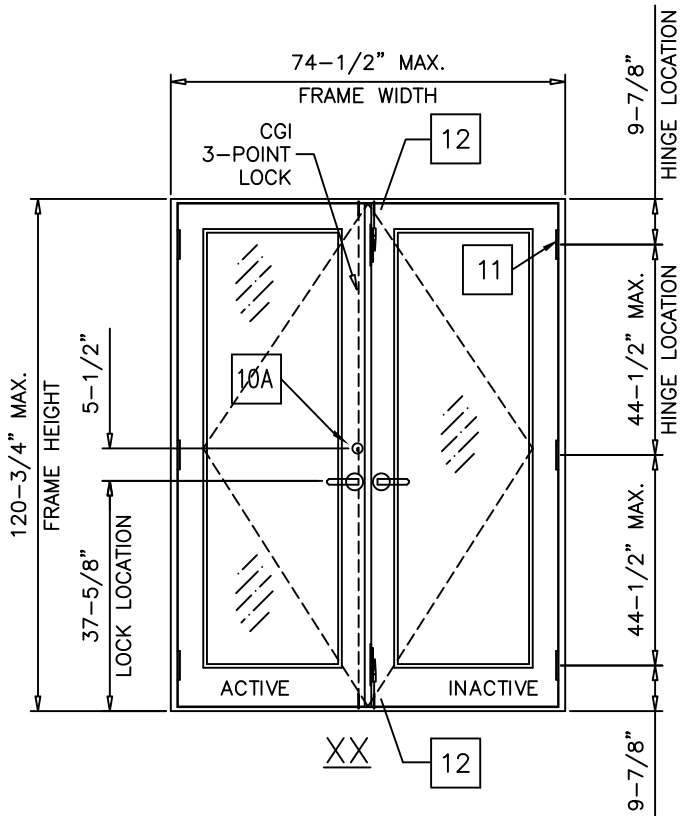
X OR O



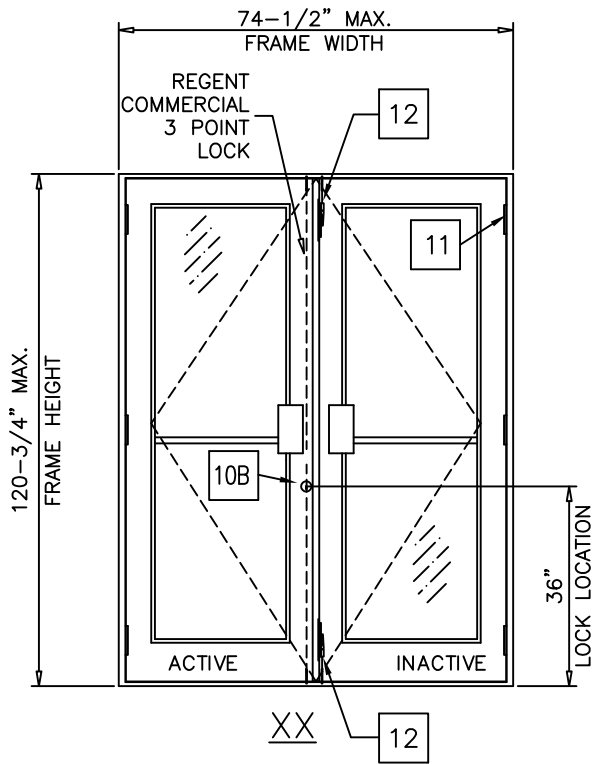
OOXX

HINGE LOCATIONS		
MAX. FRAME HEIGHT	NO. REQD.	MAX. SPACING
UP TO 90-3/4"	3	35 1/2"
ABOVE 90-3/4" UPTO 120-3/4"	4	44 1/2"

DOORS WITH 3 HINGES LIMITED TO 100 PSF



RESIDENTIAL HARDWARE



COMMERCIAL HARDWARE

LOCK OPTIONS AND CAPACITY

FRAME HEIGHT	10A		10AA		10B		10C & 10CC		10 F	
	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
84-3/4"	90.0	90.0	100.0	110.0	100.0	110.0	65.0	65.0	100.0	110.0
96-3/4"	90.0	90.0	100.0	110.0	100.0	110.0	65.0	65.0	90.0	90.0
108-3/4"	-	-	100.0	110.0	100.0	110.0	-	-	90.0	90.0
120-3/4"	-	-	70.0	70.0	70.0	70.0	-	-	70.0	70.0

- 10A : COPPER CREEK W/ CGI 3 POINT  
10AA : BALDWIN W/ CGI 3 POINT  
10B : REGENT COMMERCIAL 3 POINT  
10C : BALDWIN SINGLE POINT LOCK  
10CC : COPPER CREEK SINGLE POINT LOCK  
10F : SURFACE MOUNTED LOCK

FRAME WIDTH (X)	FRAME WIDTH (XX)	DOOR/SIDELITE PANEL WIDTH	D.L. OPG. WIDTH
26-9/16"	50-1/2"	23-3/4"	12-3/4"
32-9/16"	62-1/2"	29-3/4"	18-3/4"
38-9/16"	74-1/2"	35-3/4"	24-3/4"
44-9/16"	86-1/2"	41-3/4"	30-3/4"

FRAME HEIGHT	DOOR/SIDELITE PANEL HEIGHT *	D.L. OPG. HEIGHT
82-3/4"	80-7/8"	67-3/8"
84-3/4"	82-7/8"	69-3/8"
90-3/4"	88-7/8"	75-3/8"
96-3/4"	94-7/8"	81-3/8"
102-3/4"	100-7/8"	87-3/8"
108-3/4"	106-7/8"	93-3/8"
114-3/4"	112-7/8"	99-3/8"
120-3/4"	118-7/8"	105-3/8"

\* HEIGHTS FOR STD. THRESHOLD

LH CONFIGURATIONS SHOWN, RH  
SIMILAR (SEE SHEET 2 FOR SIZES)

FRAME HEIGHT = PANEL HEIGHT + 1-7/8" (STD. THRESHOLD)  
FRAME HEIGHT = PANEL HEIGHT + 1-5/8" (ADA THRESHOLD)  
FRAME WIDTH = PANEL WIDTH + 2-13/16"

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Ishaq I. Chande*  
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

REGISTRATION #29296

**WINDOOR®**  
INCORPORATED  
104 TRIPLE DIAMOND BLVD.  
N. VENICE, FL 34275  
(407) 481-8400

450 ALUM. FRENCH DOOR - GLAZED & IS (LM)

DESIGN PRESSURES AND ELEVATIONS

FD450 INSWING

Date 06/12/2020

By J ROSOWSKI

Rev. B

No. 450FD3B-NOA

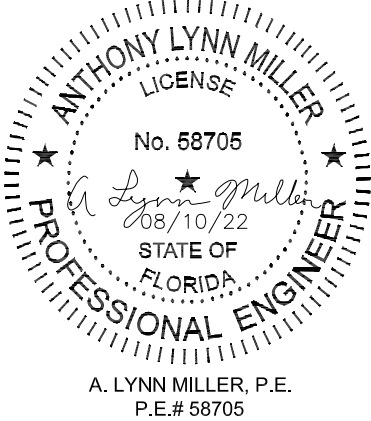
DWG 2 OF 14

Sheet NTS

Scale

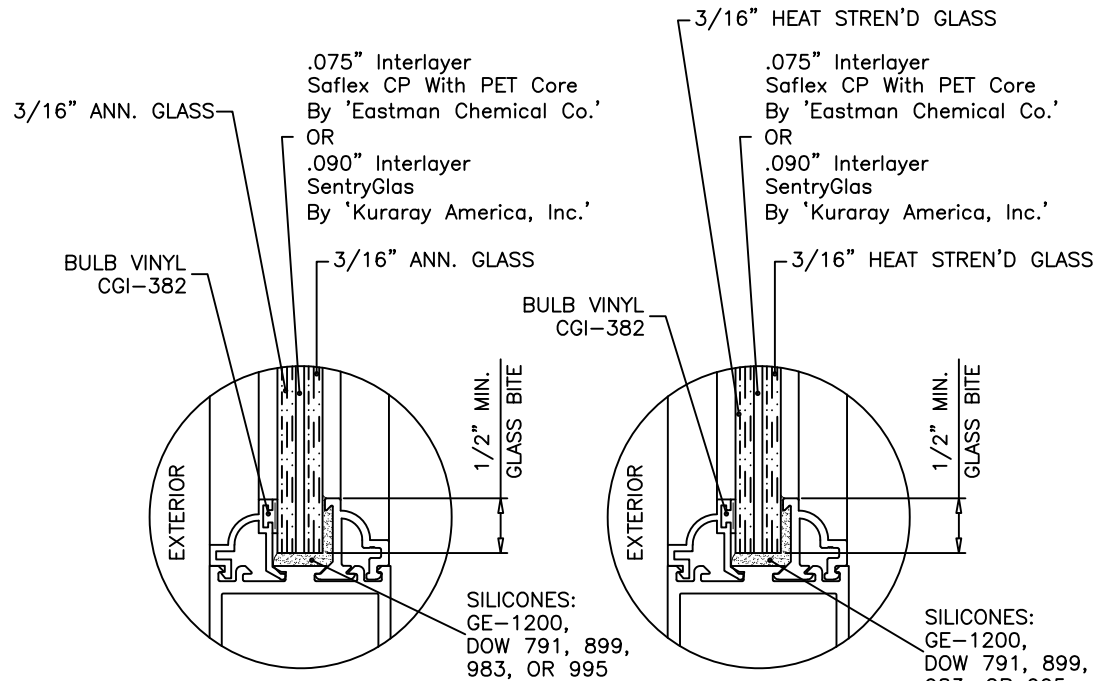
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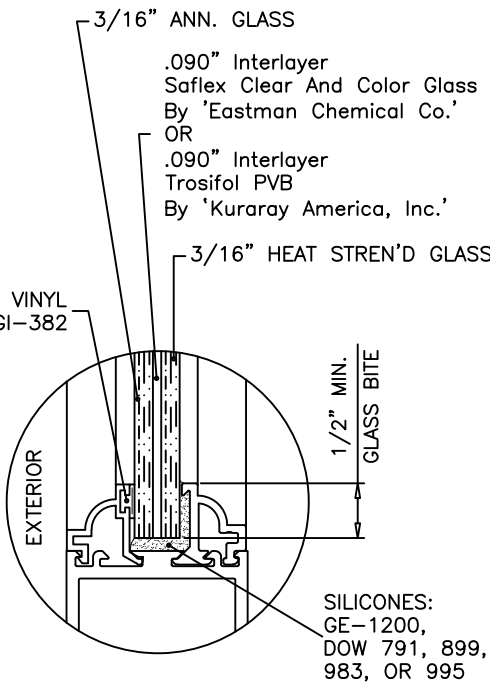


A. LYNN MILLER, P.E.  
P.E.# 58705

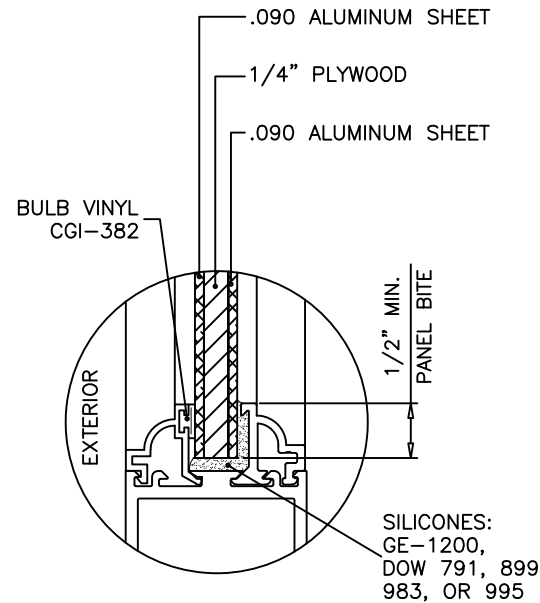
GLAZING OPTIONS



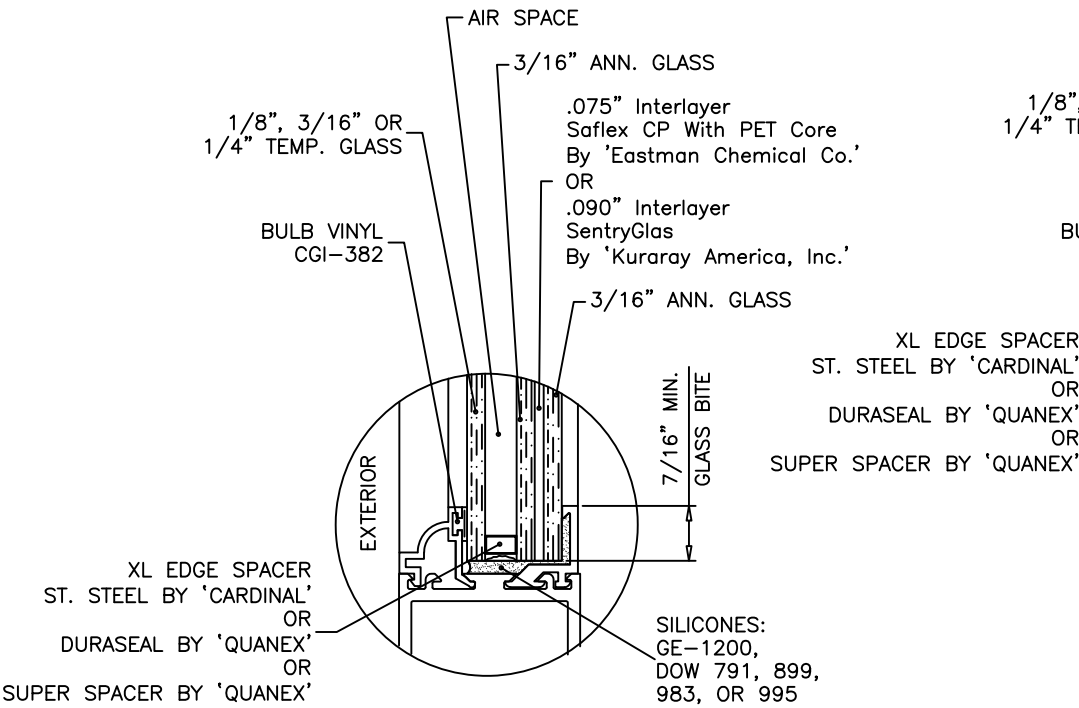
GLASS TYPE 'A'  
7/16" OVERALL LAM. GLASS



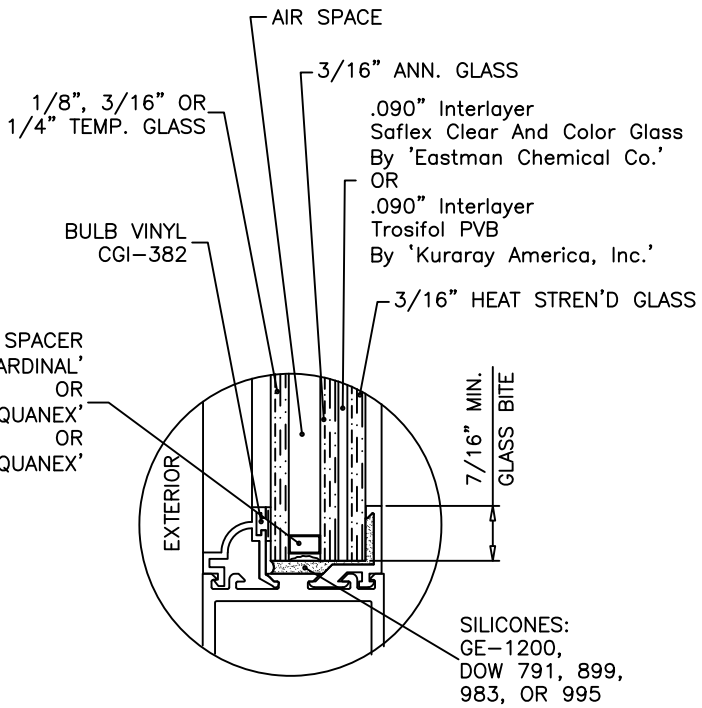
GLASS TYPE 'B'  
7/16" OVERALL LAM. GLASS



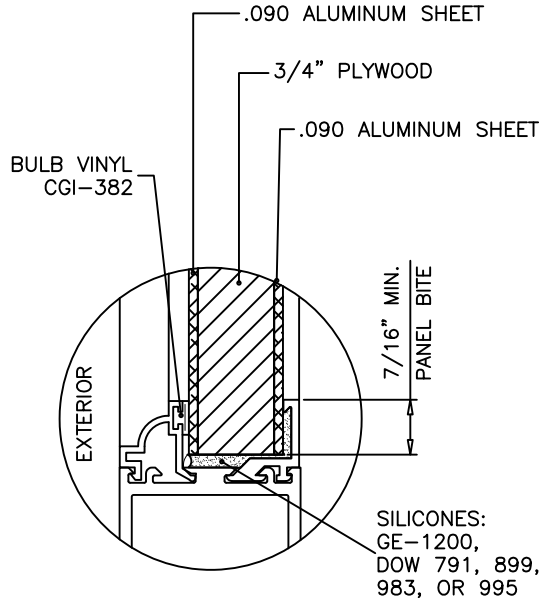
7/16" OVERALL  
COMPOSITE PANEL



GLASS TYPE 'A1'  
1" OVERALL INSUL. LAM. GLASS

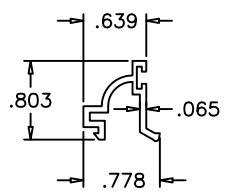


GLASS TYPE 'B1'  
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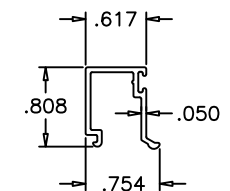


1" OVERALL  
COMPOSITE PANEL

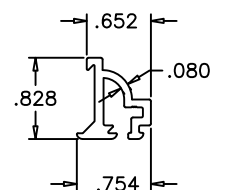
GLAZING STOP  
OPTIONS



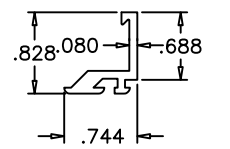
CGI-375



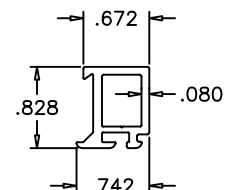
CGI-396



CGI-504



CGI-515



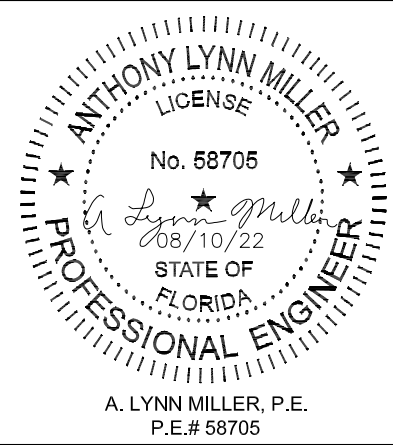
CGI-519

DOORS AND SIDELITES CAN BE  
GLAZED USING SQUARE OR  
OGEE GLAZING BEADS/ADAPTERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Isaac L. Chan*  
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	450 ALUM. FRENCH DOOR - GLAZED & IS (LM)	J ROSOWSKI	450FD3B-NOA	B
WINDOOR® INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (407) 481-8400	GLAZING DETAILS	FD450 INSWING	Scale	NTS	Sheet
450 ALUM. FRENCH DOOR - GLAZED & IS (LM)	GLAZING DETAILS	FD450 INSWING	Date	06/12/2020	Rev.



BILL OF MATERIALS

ITEM	DESCRIPTION
1	#12 X 1 1/4" HEX HEAD S/S SMS (3 PER CORNER CONNECTION)
2A	3/8-16 FULLY THREADED CONTINUOUS ROD
2B	3/8-16 HEX NUT
2C	1 1/2" X 1 1/2" X 3/16"THK. ALUMINUM PLATE
3	SHEAR CLIP (EXT. NO. 506)
4	DOUBLE 9/32" DIA. JAMB INSTLL. HOLES AT 6" FROM ENDS & 24" O.C. MAX.
5	9/32" DIA. HEAD & SILL INSTLL. HOLES AT 6" FROM ENDS, 3 @ CENTER OF PAIRS SPACED 6" O.C. & 24" O.C. MAX.
6	#10 X 1" PH-PH-SS TEKS SCREW, @ 3" & 7" FROM ENDS & 19-3/8" O.C. MAX.
7	#14 X 3/4" HEX HEAD S/S TEKS SCREW AT 6" FROM ENDS & 24 3/16" O.C. MAX.
8	.320 HIGH WOOL PILE WITH CENTER FIN (ULTRAFAB # 3032)
9	.350 HIGH FOAM-TITE WEATHERSEAL (AMESBURY # 32011)
10	ACTIVE PANEL LOCK OPTIONS (SEE SHEET 1.1 FOR LIMITS)
10A	CGI CUSTOM 3 POINT LOCK 4503PL, CONSISTING OF (2) CGI CUSTOM END BOLTS (TOP & BOTTOM), ATTACHED WITH #10 X 3/4" PH SMS, (1) CGI CUSTOM INTERIOR LINKAGE MECHANISM, (1) DEADBOLT BY COPPER CREEEK SERIES E MODEL D82410.
10AA	CGI CUSTOM 3 POINT LOCK 4503PL, CONSISTING OF (2) CGI CUSTOM END BOLTS (TOP & BOTTOM), ATTACHED WITH #10 X 3/4" PH SMS, (1) CGI CUSTOM INTERIOR LINKAGE MECHANISM, (1) DEADBOLT BY BALDWIN SERIES 8200, KWIKSET 780.
10B	REGENT COMMERCIAL 2222 THREE POINT LOCK MECHANISM WITH MORTISE LOCK.
10C	SINGLE POINT LOCK (1) DEADBOLT BY BALDWIN SERIES 8200.
10CC	SINGLE POINT LOCK (1) DEADBOLT BY COPPER CREEK SERIES D82410.
10F	CGI CUSTOM SURFACE MOUNTED SLIDE BOLTS WITH CGI END BOLTS AT ACTIVE LEAF (AT TOP & BOTTOM) WITH BALDWIN SERIES 8200 DEAD BOLT.
11	HAGER 4 1/2" X 4" HINGE IN SOLID BRASS OR STAINLESS STEEL CGI 4-1/2" X 4" HINGE IN ALUMINUM SECURED WITH (8) #12-24 X 1/2" F.H. M.S. (3 PER PANEL UP TO 7'-6 3/4" HIGH) (4 PER PANEL OVER 7'-6 3/4")
12	CGI FLUSHBOLT AT TOP & BOTTOM OF INACTIVE LEAF, HOUSING ATTACHED TO PANEL STILE WITH #10 X 3/4" PH SMS, ACTIVATOR ATTACHED WITH #8 X 1/2" PH SMS.
13	SEE SHEET 3 FOR GLAZING OPTIONS
14	SILICONES:GE-1200, DOW 791, 899, 983, OR 995
17	1/2" X 1/2" CONTINUOUS CLOSED CELL FOAM TAPE WITH ONE SIDE ADHESIVE
18	PLASTIC WEEP BAFFLE
19	7/8" X 5" X 1/8" THK. CONTINUOUS ALUMINUM SILL ANGLE ADAPTER
EXTRUSION LIST: 500A, 501, 502, 503, 504, 507, 509, 510, 514, 515, 519, 539, & 540 ALL EXTRUSIONS ARE 6063-T6. 375, 396, 505, 508, 511 EXTRUSIONS ARE 6063-T5.	

Material	Min. F <sub>y</sub>	Min. F <sub>u</sub>
#14 Steel Screw, Gr 5	81 ksi	105 ksi
1/4" Elco UltraCon	155 ksi	177 ksi
1/4" DeWalt UltraCon+	148 ksi	164 ksi
5/16" Elco UltraCon	155 ksi	177 ksi
5/16" DeWalt UltraCon+	155 ksi	177 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

PRODUCT REVISED  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By Ishag I. Chank  
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

REGISTRATION #29296

WINDOOR®  
INCORPORATED  
104 TRIPLE DIAMOND BLVD.  
N. VENICE, FL 34275  
(407) 481-8400

450 ALUM. FRENCH DOOR - GLAZED & IS (LM)

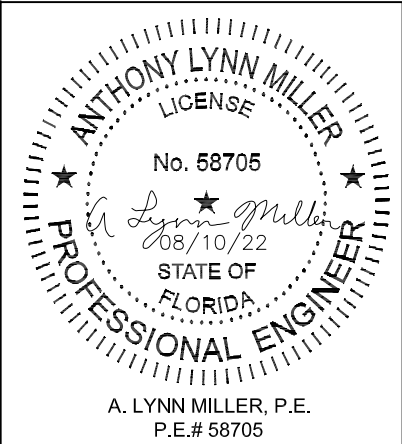
By J ROSOWSKI  
Date 06/12/2020

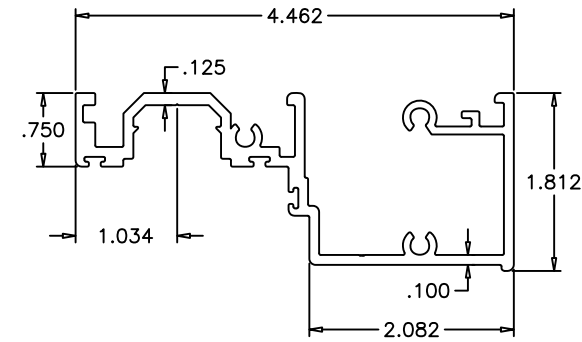
Drawn 450FD3B-NOA  
No. 4 OF 14  
DWG

Sheet NTS  
Scale

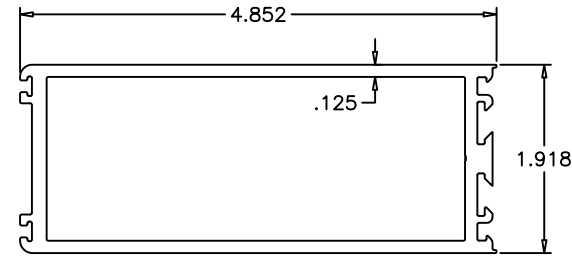
FD450 INSWING  
BILL OF MATERIALS

Series Desc. Title

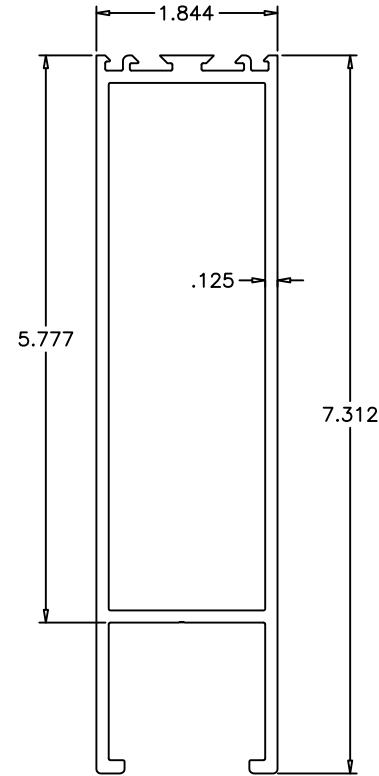




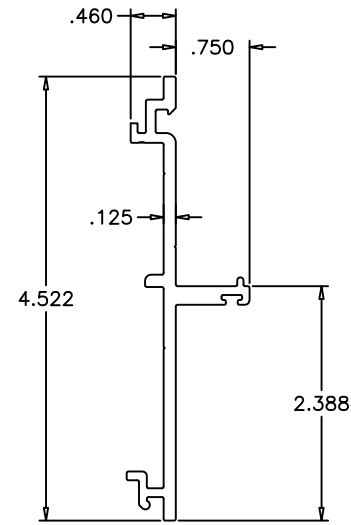
CGI-507  
DOOR FRAME HEAD/SILL



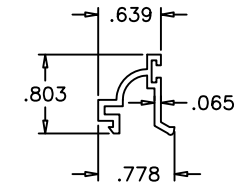
CGI-502  
JAMB/LOCK/SIDELITE STILE



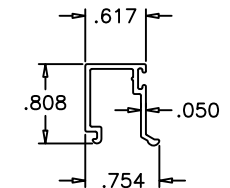
CGI-501  
BOTTOM RAIL



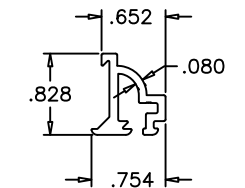
CGI-510  
SIDELITE MULLION



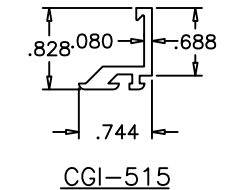
CGI-375



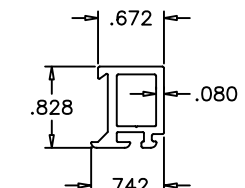
CGI-396



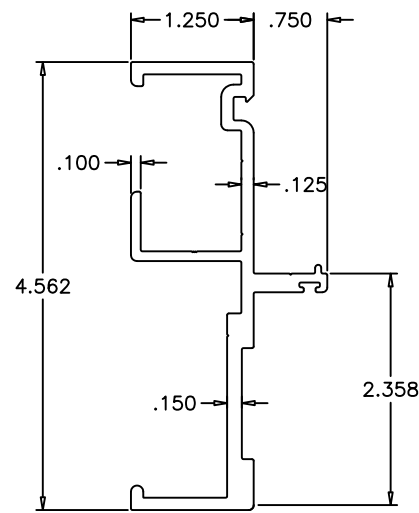
CGI-504



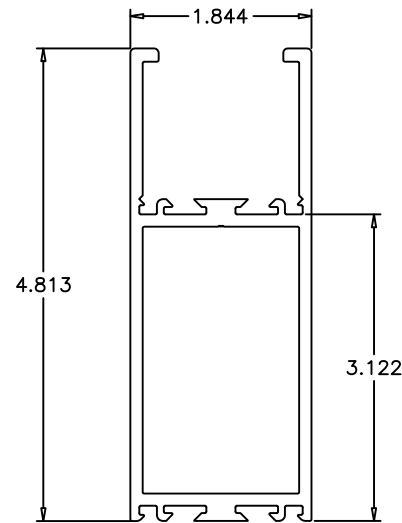
CGI-515



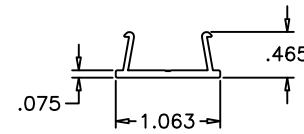
CGI-519



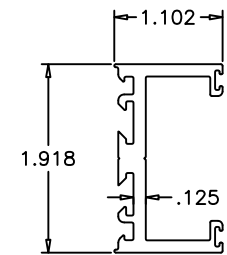
CGI-509  
FRAME JAMB/MULLION



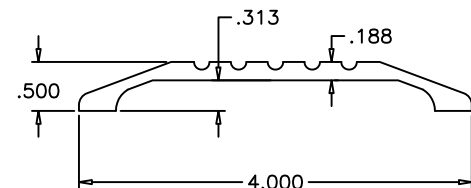
CGI-500A  
TOP RAIL



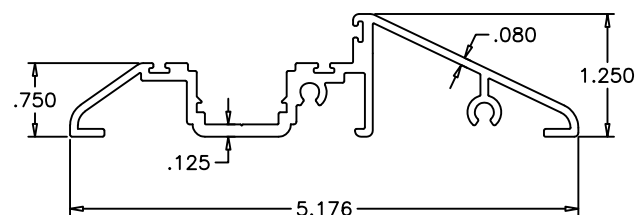
CGI-508  
FRAME COVER



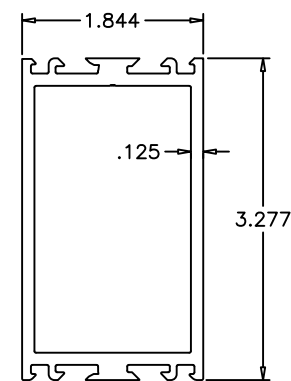
CGI-503  
NARROW SIDELITE STILE



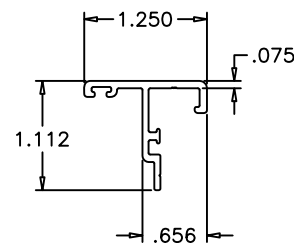
CGI-540  
COM. SADDLE/ADA THRESHOLD



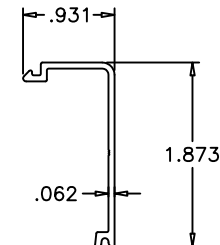
CGI-539  
RES. SADDLE THRESHOLDS



CGI-514  
HORIZONTAL MUNTIN



CGI-505  
ASTRAGAL



CGI-511  
JAMB COVER

## GLAZING STOP OPTIONS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Ishag I. Chande*  
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

REGISTRATION #29296

**WINDOOR®**  
INCORPORATED  
104 TRIPLE DIAMOND BLVD.  
N. VENICE, FL 34275  
(407) 481-8400

450 ALUM. FRENCH DOOR - GLAZED & IS (LM)

EXTRUSIONS

FD450 INSWING

Date 06/12/2020

By J ROSOWSKI

Rev. B

No. 450FD3B-NOA

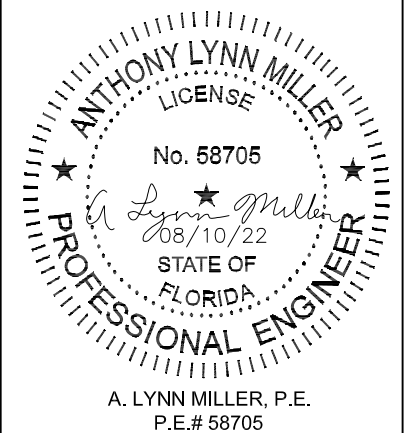
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5 OF 14

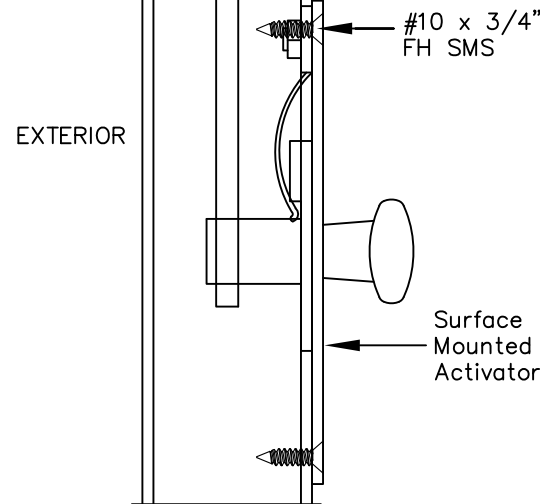
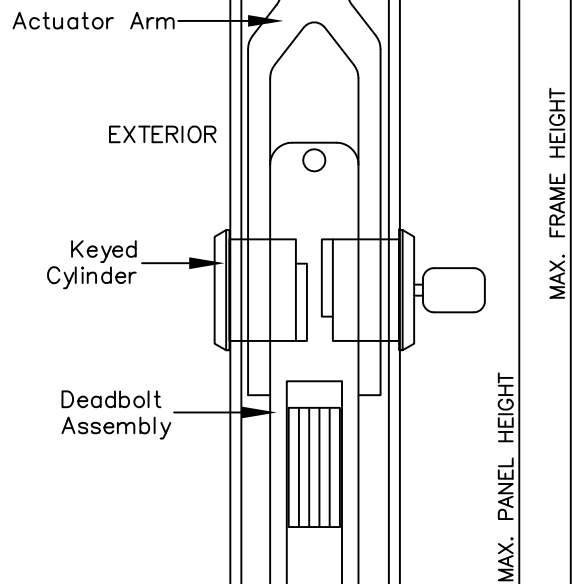
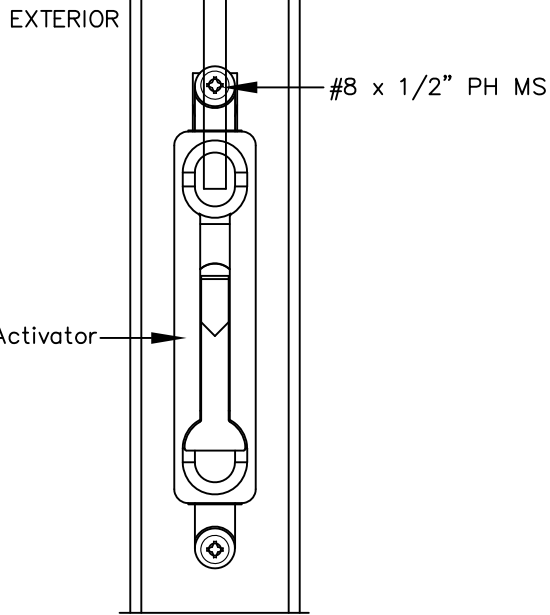
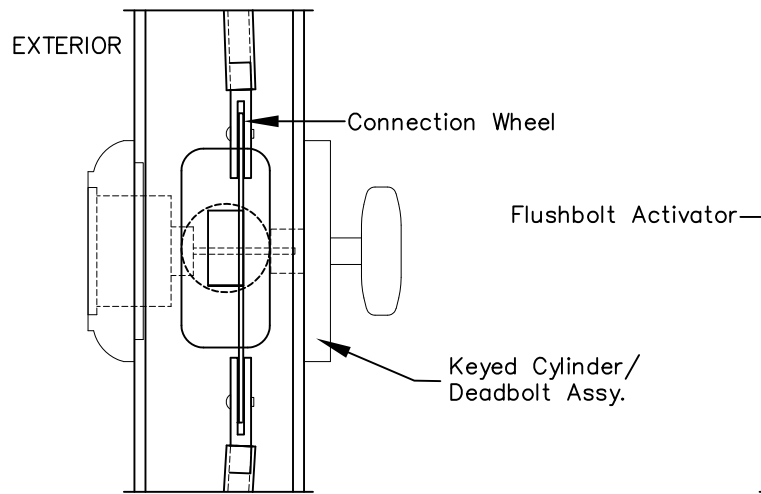
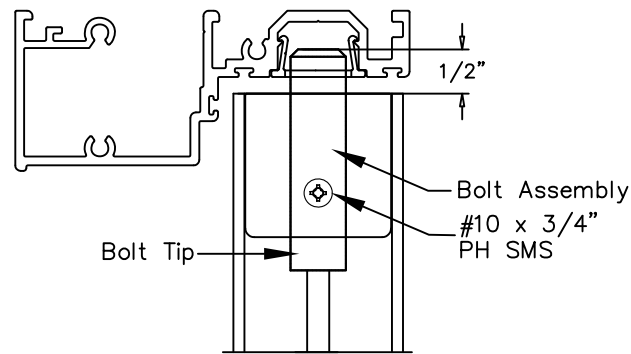
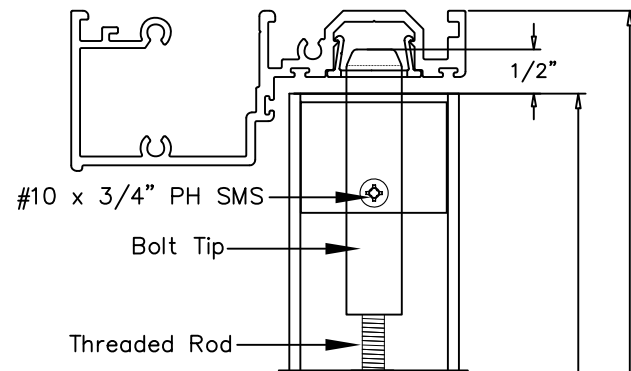
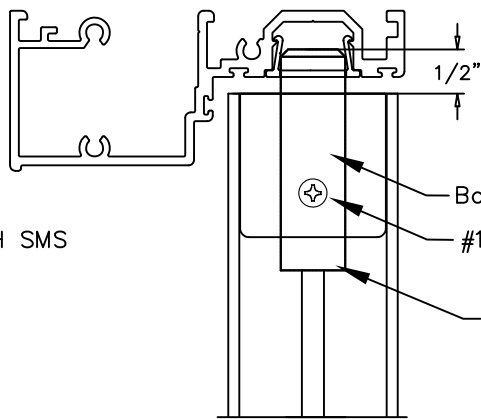
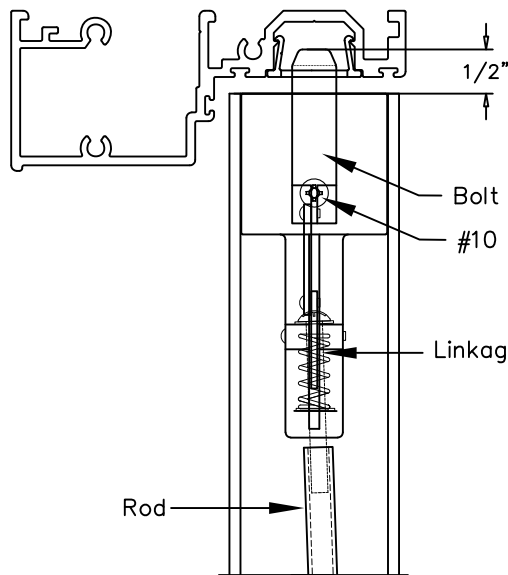
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NTS

Scale



A. LYNN MILLER, P.E.  
P.E.# 58705



CGI CUSTOM  
3-POINT LOCK  
TOP SECTION SHOWN  
(BOTTOM SIMILAR)

12 FLUSHBOLTS  
(INACTIVE PANEL)  
TOP SECTION SHOWN  
(BOTTOM SIMILAR)

THIS SILL IS NOT RATER FOR  
WATER INFILTRATION RESISTANCE,  
SEE NOTE 2, SHEET 1.

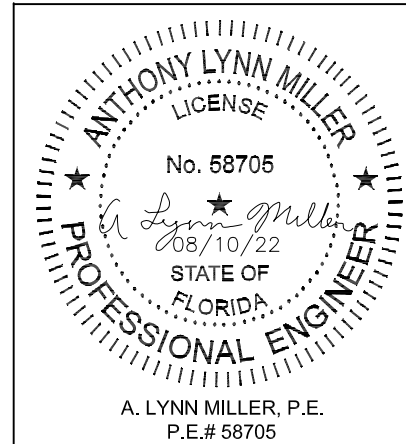
REGENT 3 POINT  
COMMERCIAL LOCK

SURFACE MOUNT SLIDE  
BOLT WITH BALDWIN  
DEAD BOLT  
TOP SECTION SHOWN  
(BOTTOM SIMILAR)

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Ishag I. Chande*  
Miami-Dade Product Control

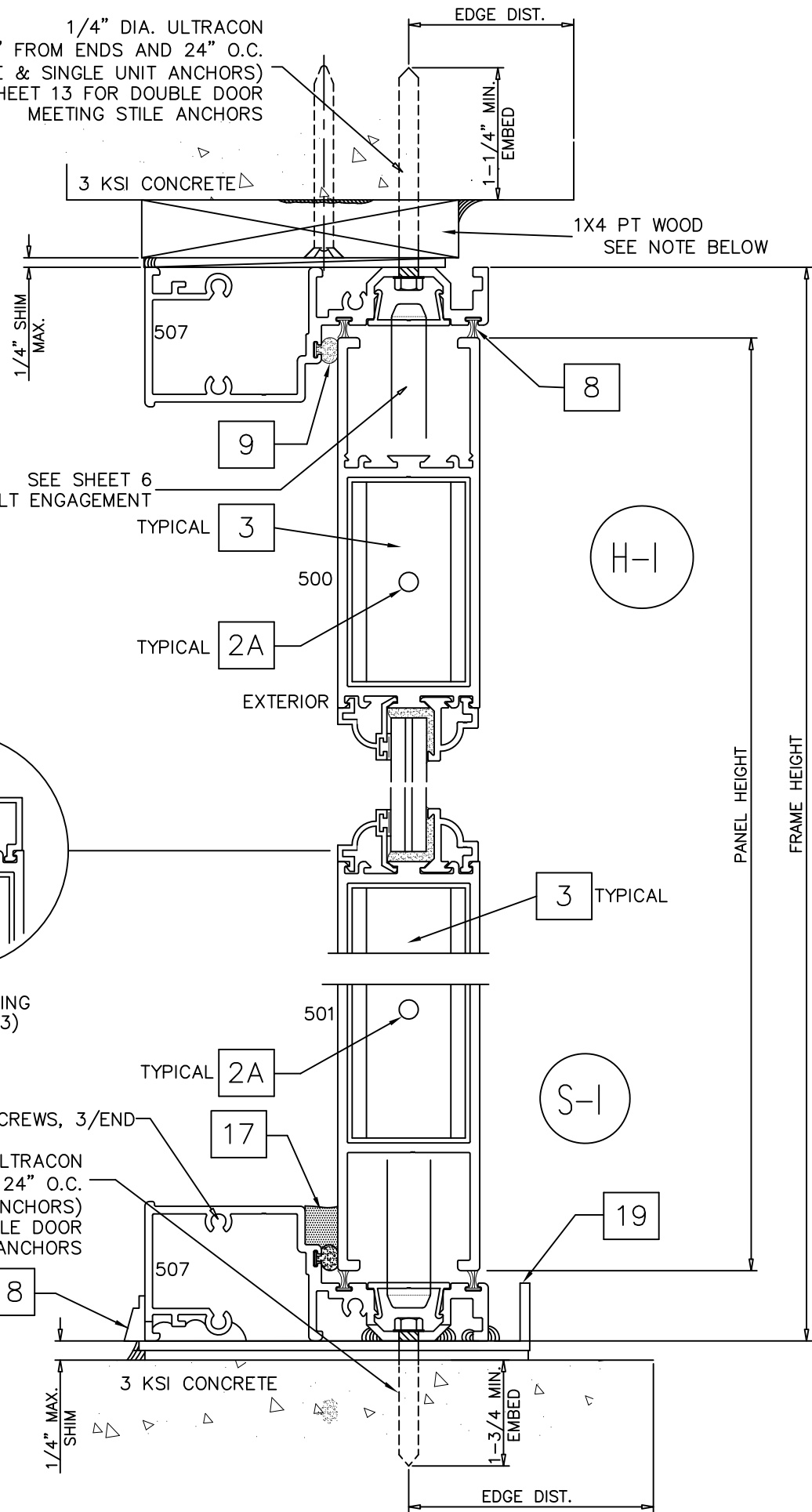
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296		450FD3B-NOA		Rev.	B
	450 ALUM. FRENCH DOOR - GLAZED & IS (LM)		J ROSOWSKI		Date	06/12/2020
	HARDWARE DETAILS 1		FD450 INSWING		By	
	WINDOOR® INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (407) 481-8400		NTS		DWG No.	6 OF 14
Scale		Sheet		Title		

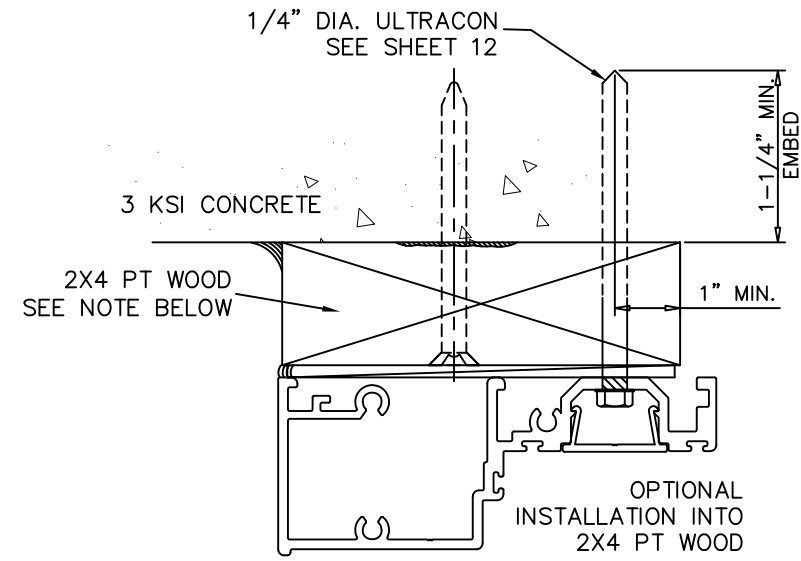




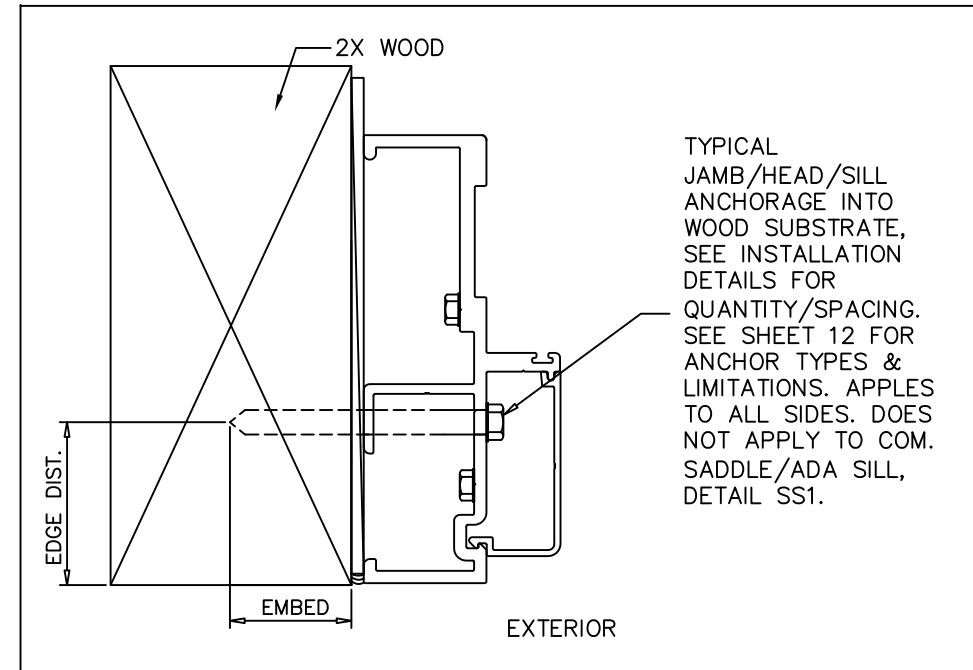
1/4" DIA. ULTRACON  
@ 6" FROM ENDS AND 24" O.C.  
(INTERMEDIATE & SINGLE UNIT ANCHORS)  
SEE SHEET 13 FOR DOUBLE DOOR  
MEETING STILE ANCHORS



THIS SILL IS NOT RATER FOR  
WATER INFILTRATION RESISTANCE,  
SEE NOTE 2, SHEET 1.



WOOD INSTALLATION DETAIL:



TYPICAL  
JAMB/HEAD/SILL  
ANCHORAGE INTO  
WOOD SUBSTRATE,  
SEE INSTALLATION  
DETAILS FOR  
QUANTITY/SPACING.  
SEE SHEET 12 FOR  
ANCHOR TYPES &  
LIMITATIONS. APPLS  
TO ALL SIDES. DOES  
NOT APPLY TO COM.  
SADDLE/ADA SILL,  
DETAIL SS1.

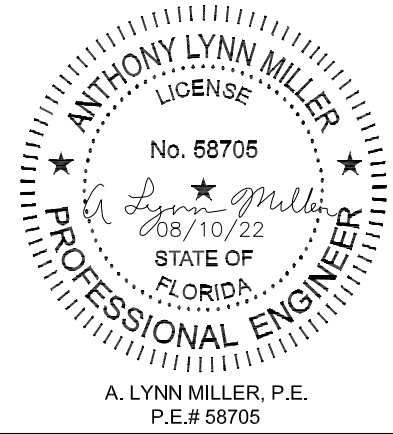
OPTIONAL INSTALLATION  
DIRECTLY INTO 2X WOOD

- NOTES:
- 1) ALL JAMB ANCHOR CONDITIONS SHOWN ON SHEETS 7, 9 AND 10 MAY BE DIRECTLY TO MASONRY WITH 1/4" MAX. SHIM SPACE WITHOUT VARIATION IN CAPACITY.
  - 2) 1X OR 2X WOOD BUCKS NOT BY CGI MUST BE PROPERLY SECURED AND MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.

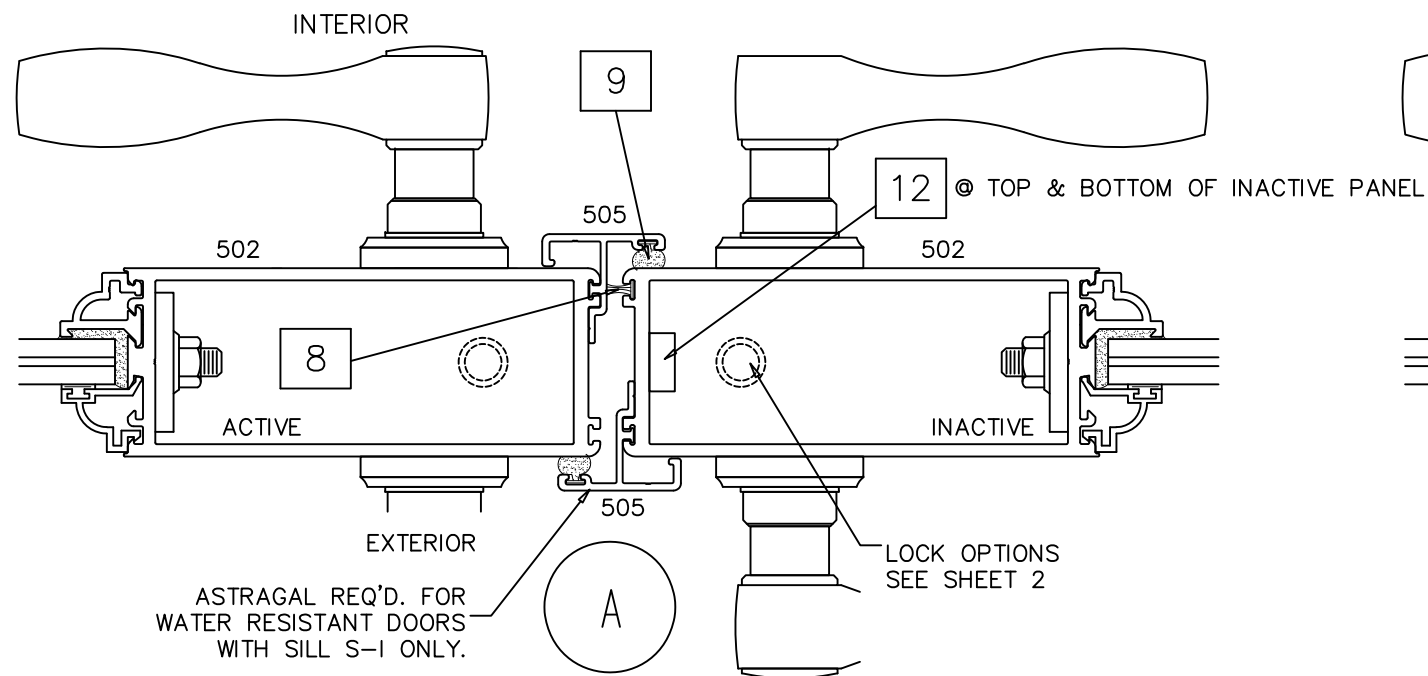
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Isaac L. Chan*  
Miami-Dade Product Control

Revision:

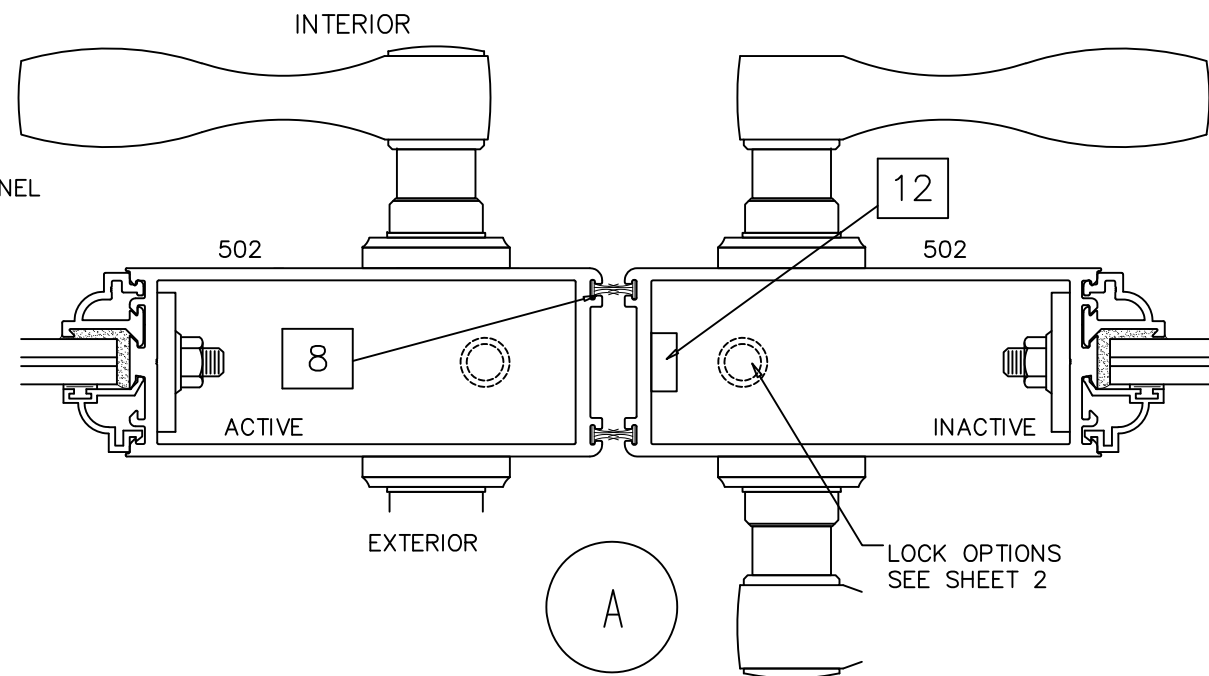
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	450 ALUM. FRENCH DOOR - GLAZED & IS (LM)	J ROSOWSKI	450FD3B-NOA	Rev.
WINDOOR <sup>®</sup> INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (407) 481-8400	450 ALUM. FRENCH DOOR - GLAZED & IS (LM)	INSTALLATION DETAILS 1	J ROSOWSKI	450FD3B-NOA	Rev.
FD450 INSWING	NTS	7 OF 14	J ROSOWSKI	450FD3B-NOA	Rev.



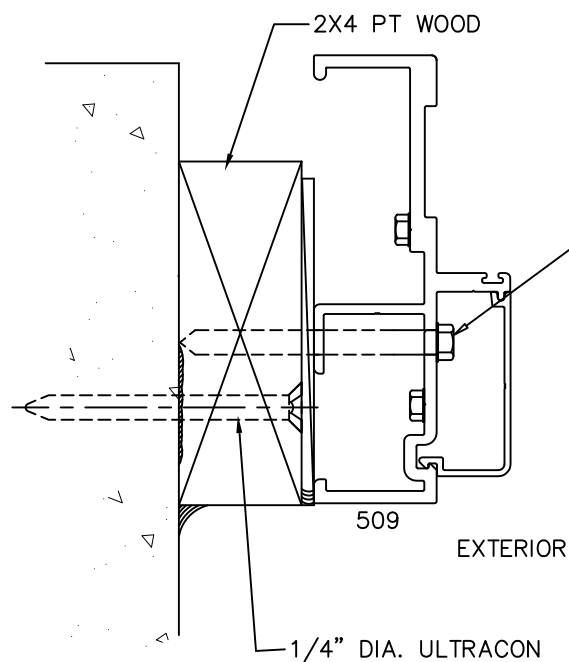
A. LYNN MILLER, P.E.  
P.E.# 58705



LOCK STILES WITH WATER RESISTANCE



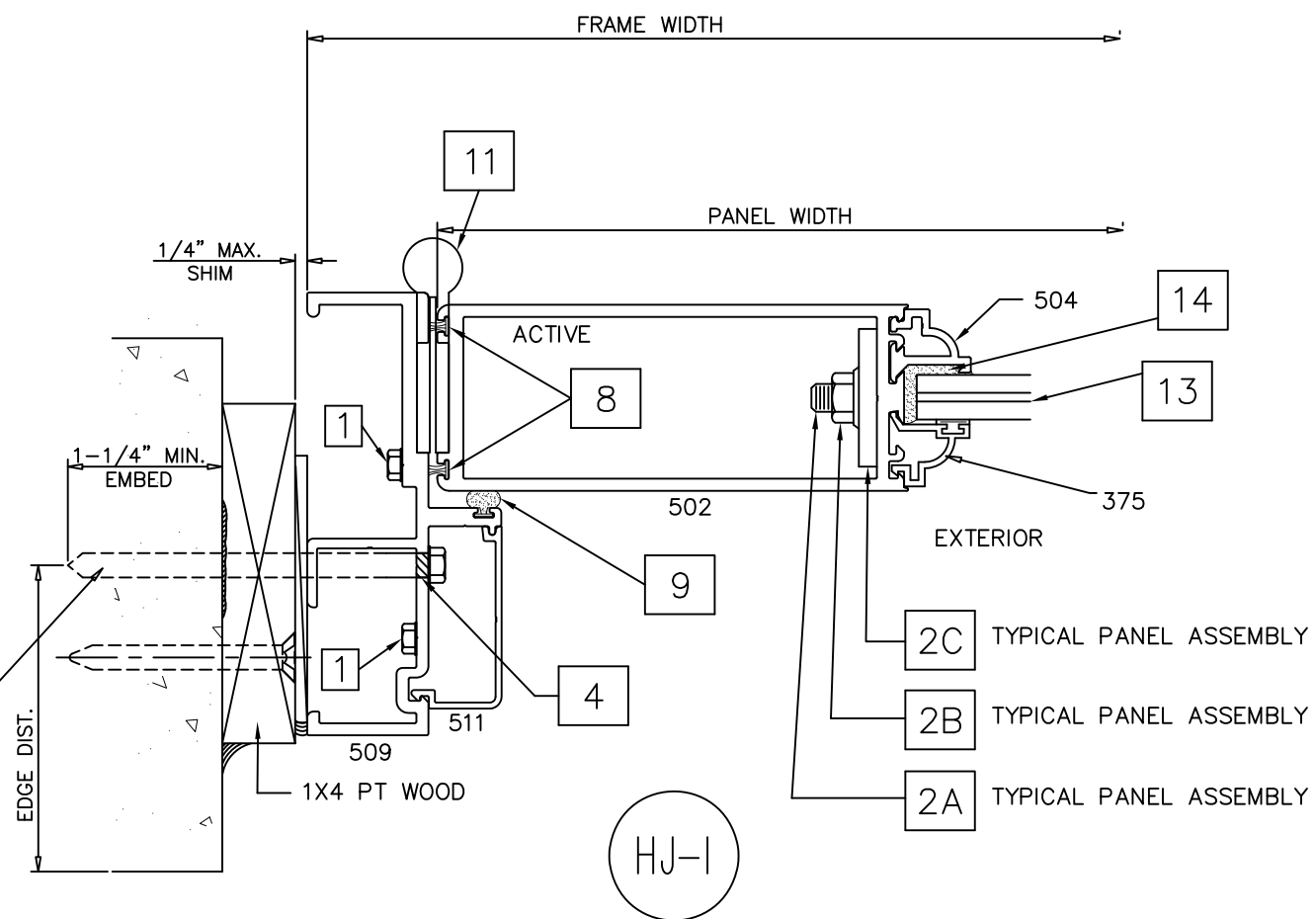
LOCK STILES WITHOUT WATER RESISTANCE



OPTIONAL INSTALLATION  
INTO 2X4 PT WOOD  
SEE NOTE BELOW

TYPICAL JAMB ANCHORS  
1/4" DIA. ULTRA CON  
@ 6" FROM ENDS AND  
19-3/8" O.C. FOR LOADS UPTO 70 PSF  
14-1/2" O.C. FOR LOADS ABOVE 70 PSF  
2-1/2" EDGE DIST.  
EMBEDMENT INTO 2BY WOOD BUCK = 1-1/2"

TYPICAL JAMB ANCHORS  
1/4" DIA. ULTRA CON  
@ 6" FROM ENDS AND  
19-3/8" O.C. FOR LOADS UPTO 70 PSF  
14-1/2" O.C. FOR LOADS UPTO 110 PSF  
12" O.C. FOR LOADS ABOVE 110 PSF  
(SEE SHEET 12)  
2-1/2" MIN. EDGE DIST.



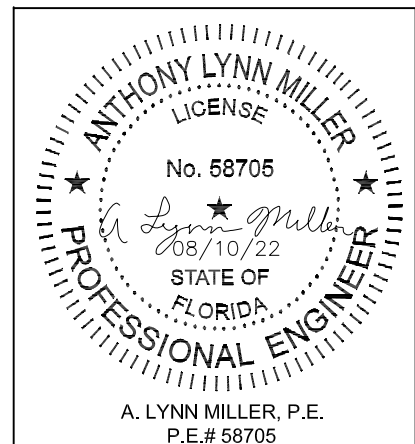
- 2C TYPICAL PANEL ASSEMBLY
- 2B TYPICAL PANEL ASSEMBLY
- 2A TYPICAL PANEL ASSEMBLY

NOTE:  
1X OR 2X WOOD BUCKS NOT BY WINDOOR  
MUST BE PROPERLY SECURED AND MUST  
SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.

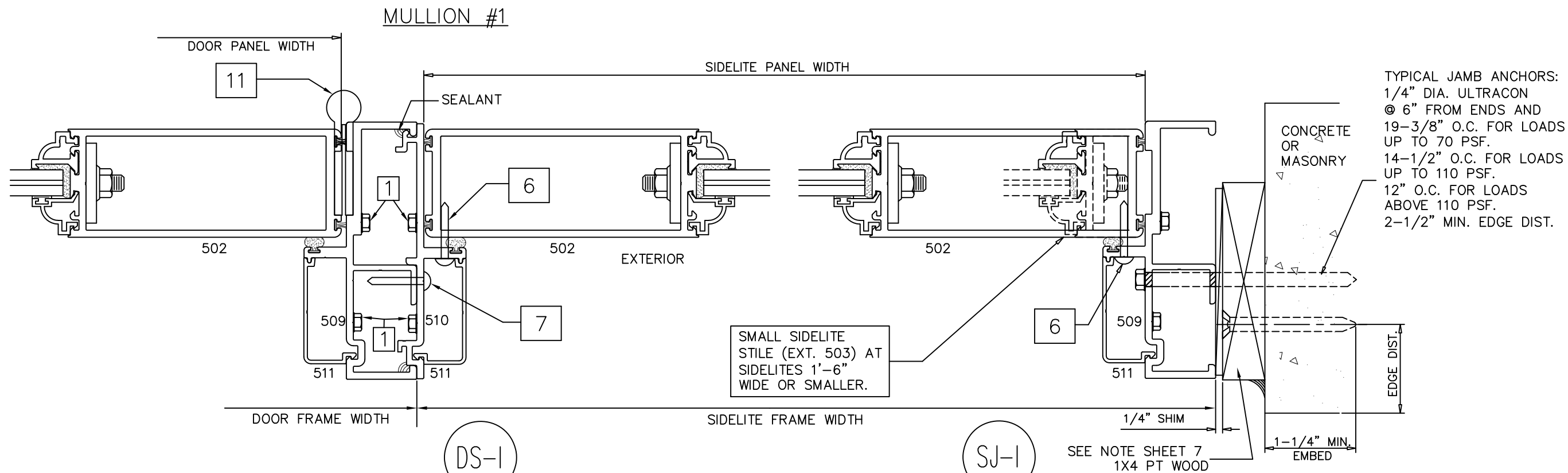
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Ishag I. Chande*  
Miami-Dade Product Control

Revision:

W <sup>®</sup> <sub>INDOOR</sub>		INCORPORATED		104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (407) 481-8400		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
450 ALUM. FRENCH DOOR - GLAZED & IS (LM)		REGISTRATION #29296		Date		06/12/2020	
INSTALLATION DETAILS 2		By		Drawn		J ROSOWSKI	
FD450 INSWING		NTS		Scale		8 OF 14	
DWG		No.		450FD3B-NOA		Rev. B	



A. LYNN MILLER, P.E.  
P.E.# 58705

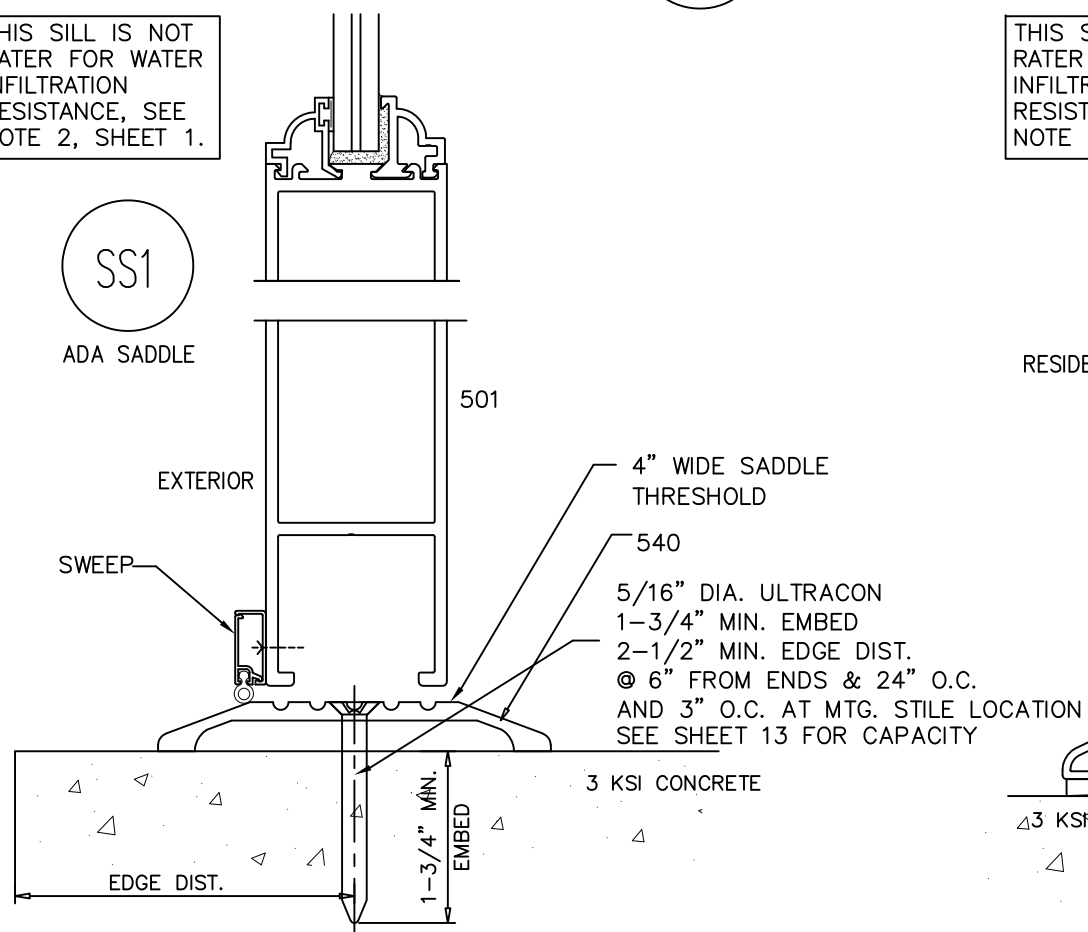


TYPICAL JAMB ANCHORS:  
 1/4" DIA. ULTRACON  
 @ 6" FROM ENDS AND  
 19-3/8" O.C. FOR LOADS  
 UP TO 70 PSF.  
 14-1/2" O.C. FOR LOADS  
 UP TO 110 PSF.  
 12" O.C. FOR LOADS  
 ABOVE 110 PSF.  
 2-1/2" MIN. EDGE DIST.

THIS SILL IS NOT  
 RATER FOR WATER  
 INFILTRATION  
 RESISTANCE, SEE  
 NOTE 2, SHEET 1.

SS1

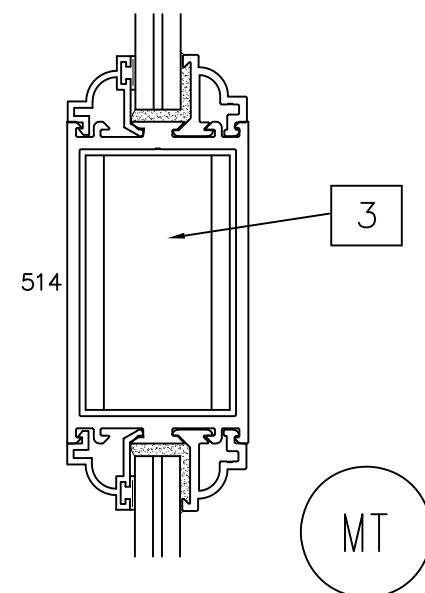
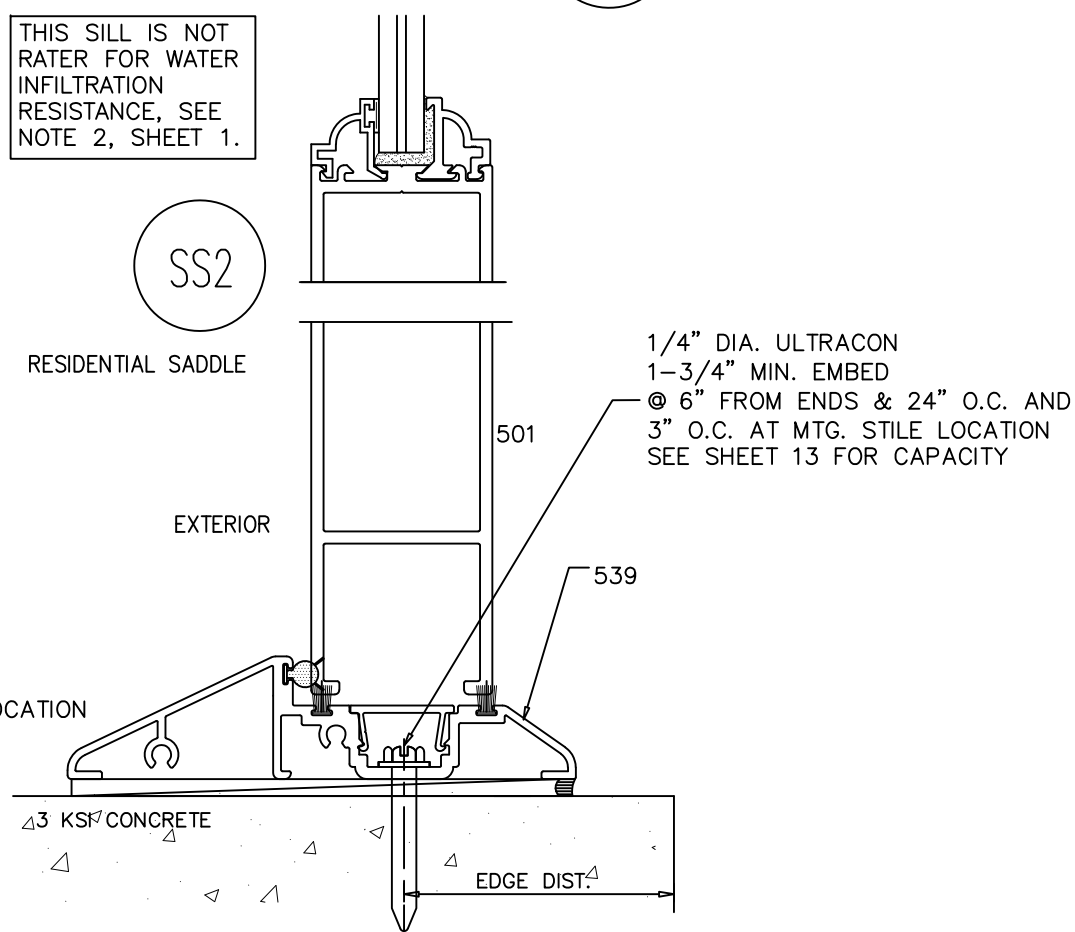
ADA SADDLE



THIS SILL IS NOT  
 RATER FOR WATER  
 INFILTRATION  
 RESISTANCE, SEE  
 NOTE 2, SHEET 1.

SS2

RESIDENTIAL SADDLE

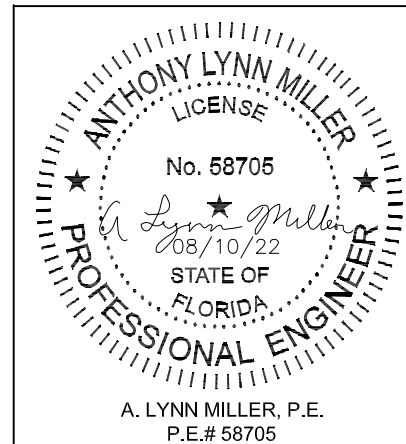


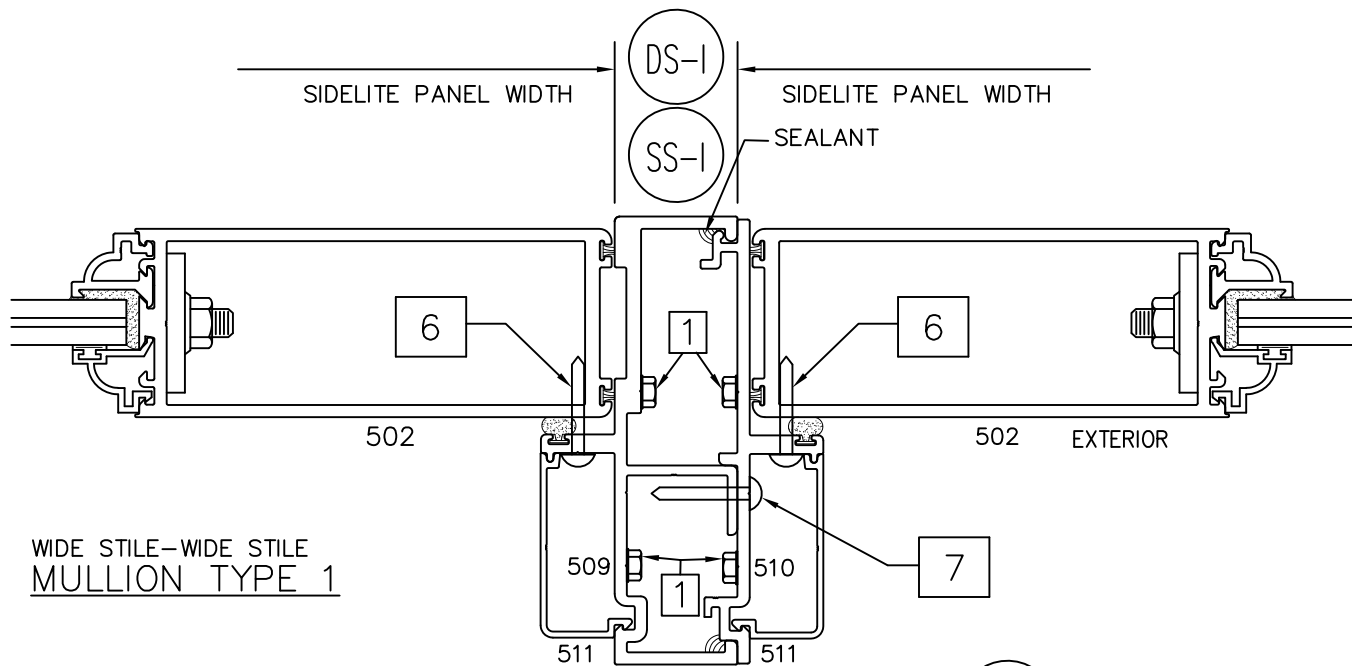
REFER TO SHEET 4 OF 14 FOR  
 TYPICAL BILL OF MATERIALS

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
**NOA-No.** 22-0822.07  
**Expiration Date** 11/09/2026  
 By *Isheq L. Chande*  
**Miami-Dade Product Control**

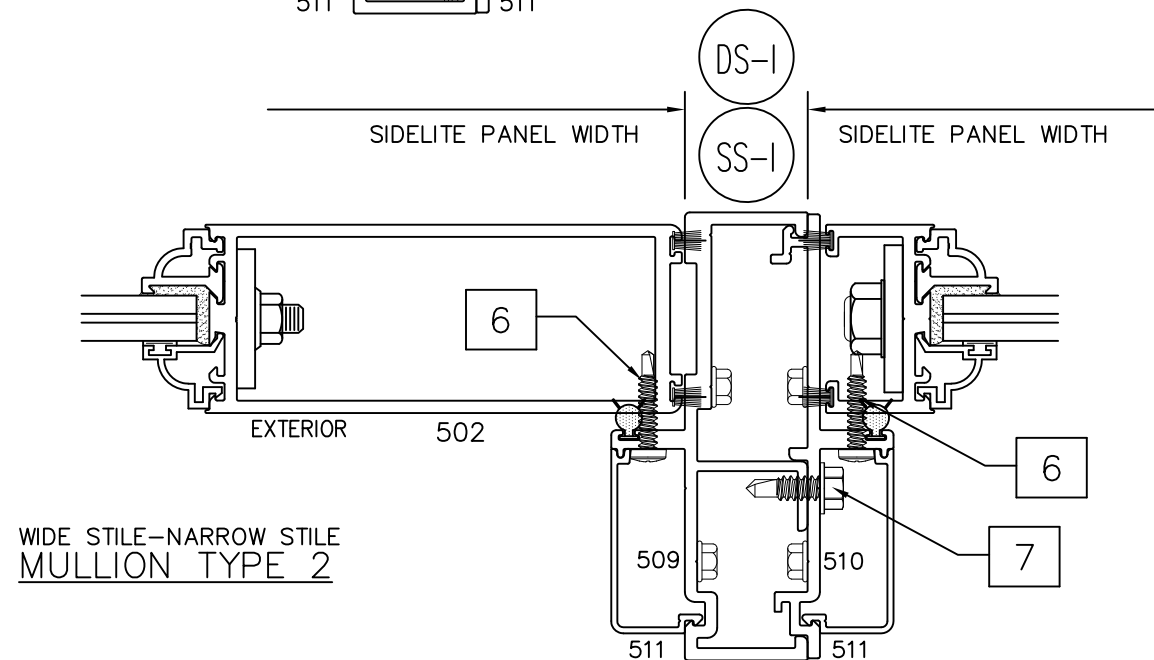
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				REGISTRATION #29296					
W <sup>®</sup> <sub>INDOOR</sub> INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (407) 481-8400				450 ALUM. FRENCH DOOR - GLAZED & IS (LM)		Date	06/12/2020		
				INSTALLATION DETAILS 3				By	J ROSOWSKI
				FD450 INSWING		Scale	NTS	Sheet	9 OF 14
				DWG		No.	450FD3B-NOA	Rev.	B

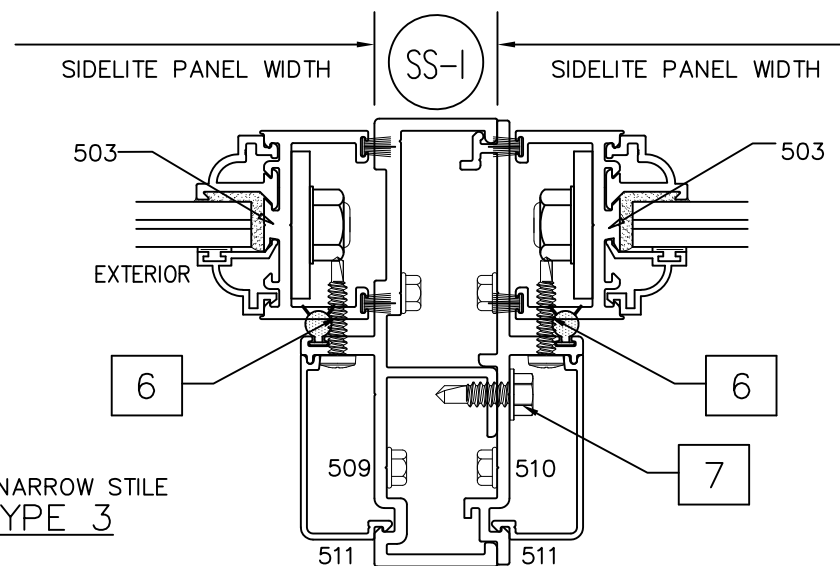




WIDE STILE-WIDE STILE  
MULLION TYPE 1



WIDE STILE-NARROW STILE  
MULLION TYPE 2

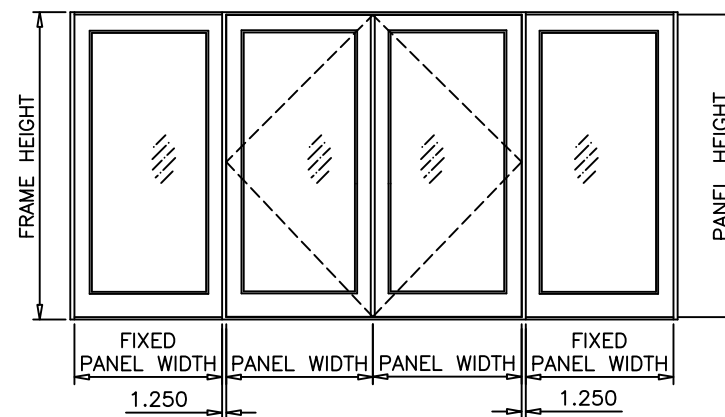


NARROW STILE-NARROW STILE  
MULLION TYPE 3

- NOTES:
- 1) LOWER DESIGN LOAD FROM PANEL PERFORMANCE CHART ON SHEET 11 OR MULLION PERFORMANCE CHART ABOVE SHALL CONTROL.
  - 2) REFER TO SHEET 4 OF 14 FOR TYPICAL BILL OF MATERIALS.

MULLION PERFORMANCE CHART							
DESIGN LOAD CAPACITY - PSF							
NOMINAL DIMS.		MULL TYPE 1		MULL TYPE 2		MULL TYPE 3	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
1/6	82-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
2/0		100.0	110.0	100.0	110.0	100.0	110.0
2/6		100.0	110.0	100.0	110.0	-	-
3/0		100.0	110.0	100.0	110.0	-	-
3/6		94.2	94.2	70.0	70.0	-	-
1/6	84-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
2/0		100.0	110.0	100.0	110.0	100.0	110.0
2/6		100.0	110.0	100.0	110.0	-	-
3/0		100.0	110.0	100.0	110.0	-	-
3/6		94.2	94.2	-	-	-	-
1/6	90-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
2/0		100.0	110.0	100.0	110.0	70.0	70.0
2/6		100.0	110.0	100.0	110.0	-	-
3/0		100.0	110.0	70.0	70.0	-	-
3/6		94.2	94.2	-	-	-	-
1/6	96-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
2/0		100.0	110.0	100.0	110.0	70.0	70.0
2/6		100.0	110.0	100.0	110.0	-	-
3/0		100.0	110.0	-	-	-	-
3/6		59.9	59.9	-	-	-	-
1/6	102-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
2/0		100.0	110.0	100.0	110.0	-	-
2/6		100.0	110.0	100.0	100.4	-	-
3/0		98.9	98.9	-	-	-	-
3/6		59.9	59.9	-	-	-	-
1/6	108-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
2/0		100.0	110.0	100.0	104.1	-	-
2/6		98.1	98.1	70.0	70.0	-	-
3/0		82.9	82.9	-	-	-	-
1/6	114-3/4"	70.0	70.0	70.0	70.0	100.0	110.0
2/0		70.0	70.0	70.0	70.0	-	-
2/6		70.0	70.0	-	-	-	-
3/0		70.0	70.0	-	-	-	-
1/6	120-3/4"	70.0	70.0	70.0	70.0	70.0	70.0
2/0		70.0	70.0	70.0	70.0	-	-
2/6		70.0	70.0	-	-	-	-
3/0		59.9	59.9	-	-	-	-

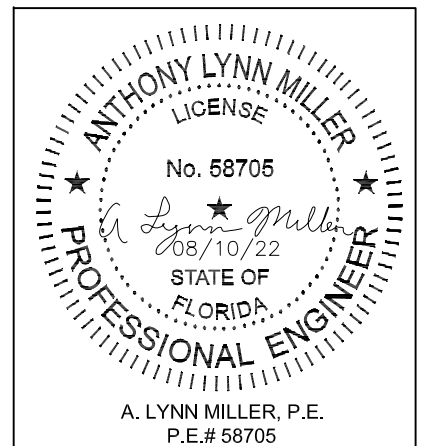
$$\text{WIDTH (W)} = \frac{\text{DOOR PANEL} + \text{FIXED PANEL}}{2} + 1.250$$



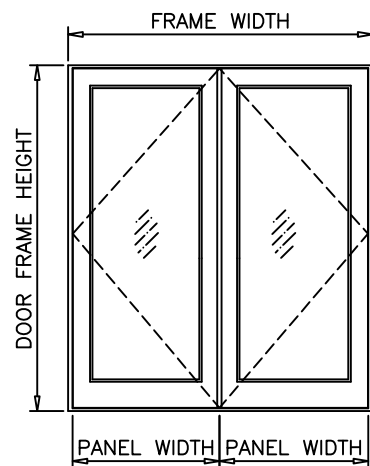
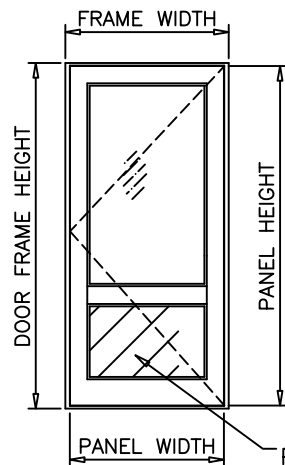
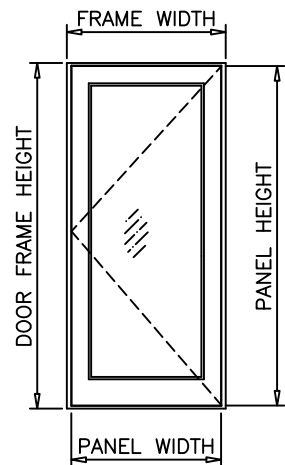
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Isaac L. Chan*  
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	450 ALUM. FRENCH DOOR - GLAZED & IS (LM)	J ROSOWSKI	450FD3B-NOA	B
WINDOOR® INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (407) 481-8400	450 ALUM. FRENCH DOOR - GLAZED & IS (LM)	MULLION X-SECTION AND DPS	FD450 INSWING	10 OF 14	NTS
A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705







PARTIAL COMPOSITE PANEL  
OR GLASS APPLICABLE TO  
DOOR/SIDELITE

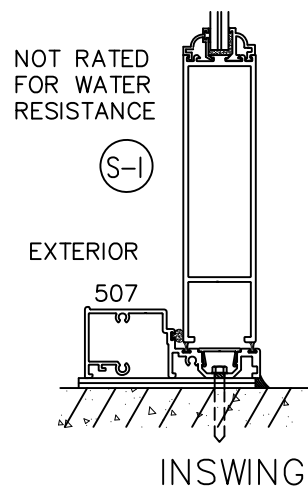
PANEL PERFORMANCE CHART FOR SINGLE & DOUBLE DOORS & SINGLE SIDELITES  
(NARROW STILE SIDELITES LIMITED TO 18" OR LESS)  
DESIGN LOAD CAPACITY - PSF

NOMINAL DIMS.			GLASS TYPE 'A' 7/16" COMPOSITE PANELS 1" COMPOSITE PANELS		GLASS TYPE 'A1'		GLASS TYPES 'B' & 'B1'	
			EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
26-9/16"	50-1/2"	82-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
32-9/16"	62-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
38-9/16"	74-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
44-9/16"	86-1/2"		94.2	94.2	70.0	70.0	90.0	90.0
26-9/16"	50-1/2"	84-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
32-9/16"	62-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
38-9/16"	74-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
44-9/16"	86-1/2"		94.2	94.2	70.0	70.0	90.0	90.0
26-9/16"	50-1/2"	90-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
32-9/16"	62-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
38-9/16"	74-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
44-9/16"	86-1/2"		94.2	94.2	70.0	70.0	90.0	90.0
26-9/16"	50-1/2"	96-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
32-9/16"	62-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
38-9/16"	74-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
44-9/16"	86-1/2"		59.9	59.9	59.9	59.9	-	-
26-9/16"	50-1/2"	102-3/4"	100.0	110.0	70.0 *	70.0 *	-	-
32-9/16"	62-1/2"		100.0	110.0	70.0 *	70.0 *	-	-
38-9/16"	74-1/2"		100.0	110.0	70.0 *	70.0 *	-	-
44-9/16"	86-1/2"		59.9	59.9	59.9 *	59.9 *	-	-
26-9/16"	50-1/2"	108-3/4"	100.0	110.0	70.0 *	70.0 *	-	-
32-9/16"	62-1/2"		100.0	110.0	70.0 *	70.0 *	-	-
38-9/16"	74-1/2"		100.0	110.0	70.0 *	70.0 *	-	-
26-9/16"	50-1/2"	114-3/4"	70.0	70.0	70.0 *	70.0 *	-	-
32-9/16"	62-1/2"		70.0	70.0	70.0 *	70.0 *	-	-
38-9/16"	74-1/2"		70.0	70.0	70.0 *	70.0 *	-	-
26-9/16"	50-1/2"	120-3/4"	70.0	70.0	70.0 *	70.0 *	-	-
32-9/16"	62-1/2"		70.0	70.0	70.0 *	70.0 *	-	-
38-9/16"	74-1/2"		70.0	70.0	70.0 *	70.0 *	-	-

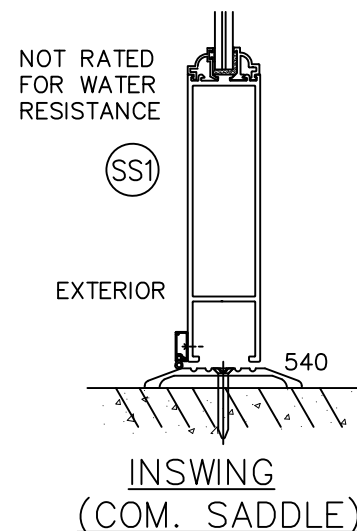
\* GLASS LIMITED TO 8/0 DAYLITE OPENING. PANEL SIZES ABOVE 8/0 REQUIRE TRUE MUNTIN.

NOTES:

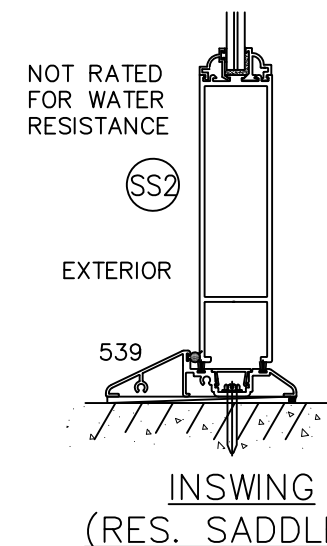
- 1) FOR SINGLE OR DOUBLE LEAF DOORS AND SINGLE SIDELITES CAPACITY SEE CHART ON THIS SHEET.
- 2) SEE BELOW FOR THRESHOLD TYPES.
- 3) SEE SHEET 2 FOR LOCK CAPACITIES FOR SINGLE AND DOUBLE DOORS.
- 4) SEE SHEET 10 FOR MULLION TYPES AND DESIGN LOAD CAPACITY.
- 5) SEE CHART ON SHEET 12 FOR MULLION ANCHORS CAPACITY.
- 6) SEE CHART ON SHEET 13 FOR MTG. STILE ANCHORS AT DOUBLE DOOR.
- 7) LOWEST VALUE FROM THESE CHARTS WILL APPLY TO ENTIRE ASSEMBLY.
- 8) GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT.



INSWING



INSWING  
(COM. SADDLE)



INSWING  
(RES. SADDLE)

**PRODUCT REVISED**  
as complying with the Florida  
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NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By Isaac I. Chan  
Miami-Dade Product Control

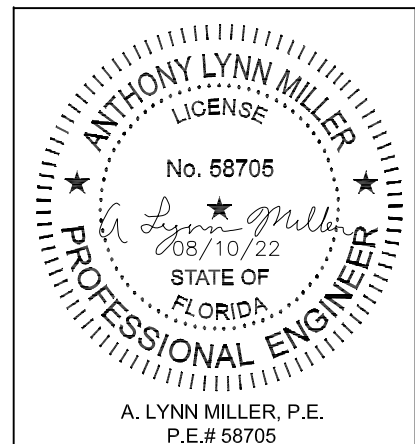
Revision:

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

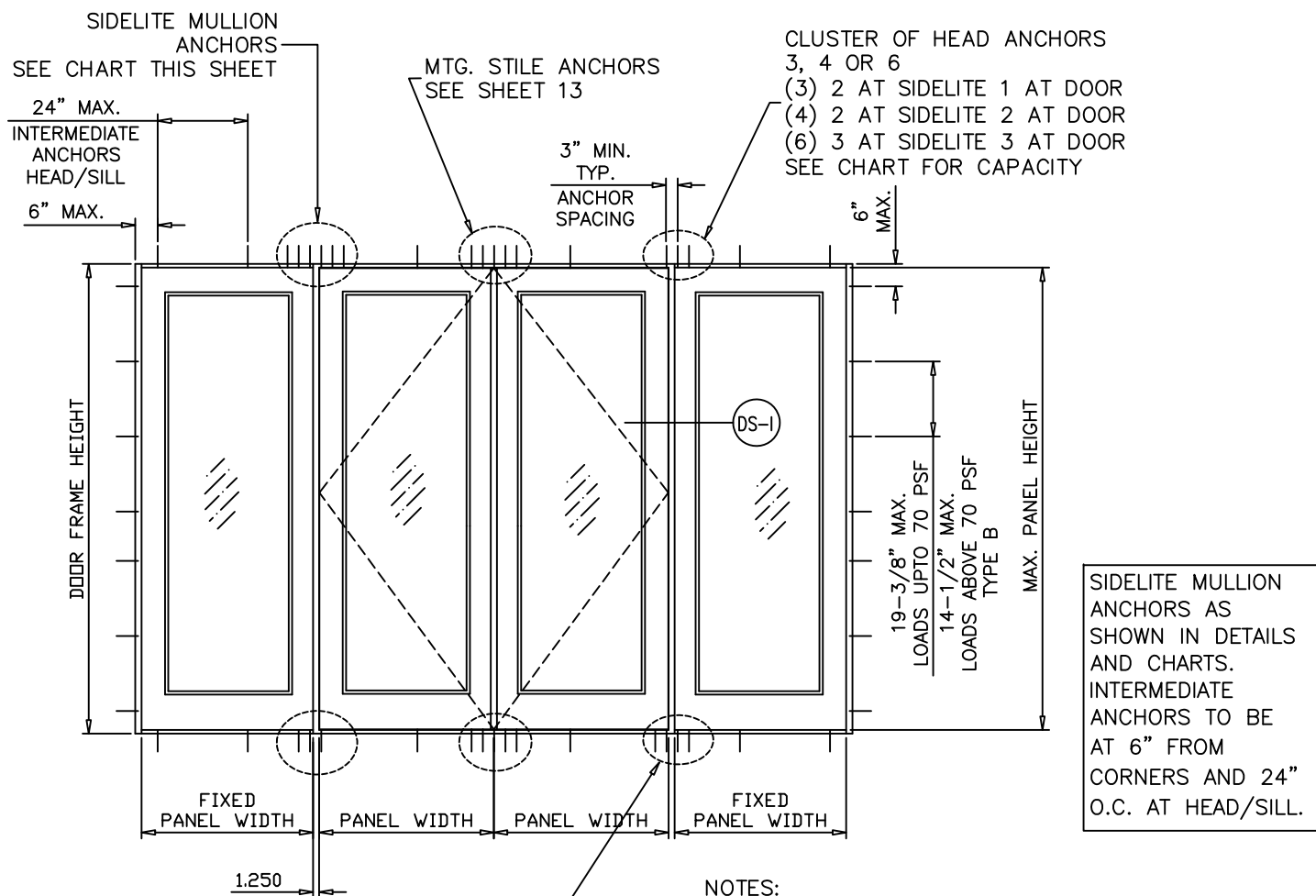
REGISTRATION #29296

**WINDOOR®**  
INCORPORATED  
104 TRIPLE DIAMOND BLVD.  
N. VENICE, FL 34275  
(407) 481-8400

450 ALUM. FRENCH DOOR - GLAZED & IS (LM)	Date	06/12/2020	J ROSOWSKI	Rev.	B
	By				
PANEL DP	FD450 INSWING	NTS	11 OF 14	DWG	No.
450FD3B-NOA	450FD3B-NOA	Scale	Sheet	Title	Series







SIDELITE MULLION ANCHORS AS SHOWN IN DETAILS AND CHARTS. INTERMEDIATE ANCHORS TO BE AT 6" FROM CORNERS AND 24" O.C. AT HEAD/SILL.

**NOTES:**

- 1) FOR SINGLE OR DOUBLE LEAF DOORS AND SINGLE SIDELITES CAPACITY SEE CHART ON SHEET 11.
- 2) SEE SHEET 2 FOR LOCK CAPACITIES FOR SINGLE AND DOUBLE DOORS.
- 3) SEE BELOW FOR THRESHOLD TYPES.
- 4) SEE SHEET 10 FOR MULLION TYPES AND DESIGN LOAD CAPACITY.
- 5) SEE CHART ON THIS SHEET FOR MULLION ANCHORS CAPACITY.
- 6) SEE CHART ON SHEET 13 FOR MTG. STILE ANCHORS AT DOUBLE DOOR.
- 7) LOWEST VALUE FROM THESE CHARTS WILL APPLY TO ENTIRE ASSEMBLY.

**ANCHORS:**

TYPE 'B'— 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD  
THRU 1BY WOOD BUCKS INTO CONC./HOLLOW BLOCK  
1-1/4" MIN. EMBED INTO CONC./HOLLOW BLOCK  
DIRECTLY INTO CONCRETE  
1-1/4" MIN. EMBED INTO CONCRETE  
**EDGE DISTANCES**  
INTO CONCRETE/HOLLOW BLOCK = 2-1/2" MIN.  
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B+'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD  
THRU 1BY WOOD BUCKS INTO CONC./HOLLOW BLOCK  
1-1/4" MIN. EMBED INTO HOLLOW BLOCK  
1-3/4" MIN. EMBED INTO CONCRETE  
DIRECTLY INTO CONCRETE  
1-3/4" MIN. EMBED INTO CONCRETE  
**EDGE DISTANCES**  
INTO CONCRETE/HOLLOW BLOCK = 2-1/2" MIN.  
INTO WOOD STRUCTURE = 1" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.  
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

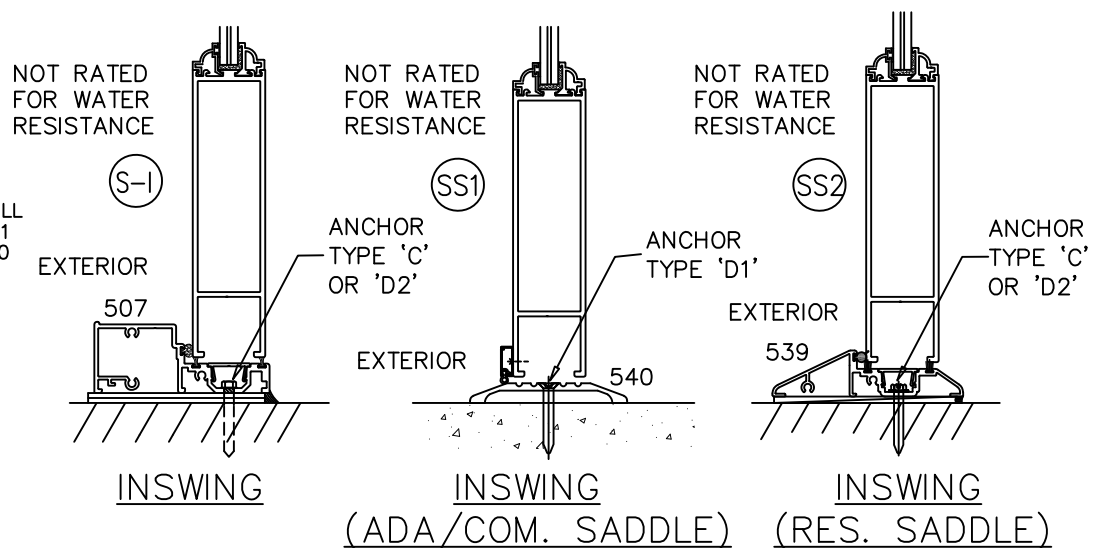
TYPE 'C'— 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)  
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
AT HEAD OR JAMBS  
DIRECTLY INTO CONCRETE  
1-3/4" MIN. EMBED INTO CONC.  
**EDGE DISTANCES**  
INTO CONCRETE = 2-1/2" MIN.

TYPE 'D1'— 5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)  
5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)  
AT HEAD OR JAMBS  
DIRECTLY INTO CONCRETE  
1-3/4" MIN. EMBED INTO CONC.  
**EDGE DISTANCES**  
INTO CONCRETE = 3-1/8" MIN.

TYPE 'D2'— #14 SMS (GRADE 5 CRS)  
INTO WOOD STRUCTURES  
WITH 1-3/8" MIN. PENETRATION INTO WOOD  
**EDGE DISTANCES**  
INTO WOOD = 1" MIN.

MULLION ANCHORS AT SIDELITES							
NOMINAL DIMS.		DESIGN LOAD CAPACITY-PSF					
		TYPE 'B' OR 'B+' AT HEAD			TYPE 'C' AT HEAD TYPE 'C' AT S-I & SS2 SILL		TYPE 'C' AT HEAD TYPE 'D1' AT SS1 SILL OR TYPE 'D2' AT S-I & SS2 SILL
		CLUSTER OF 3 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 6 ANCHORS	CLUSTER OF 3 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 3 ANCHORS
2/0	82-3/4"	106.7	110.0	110.0	110.0	110.0	110.0
2/6		86.2	110.0	110.0	110.0	110.0	110.0
3/0		72.3	96.4	110.0	109.3	110.0	110.0
3/6		62.3	83.0	110.0	94.2	110.0	110.0
2/0	84-3/4"	104.2	110.0	110.0	110.0	110.0	110.0
2/6		84.2	110.0	110.0	110.0	110.0	110.0
3/0		70.6	94.1	110.0	106.7	110.0	110.0
3/6		60.8	81.1	110.0	91.9	110.0	108.7
2/0	90-3/4"	97.3	110.0	110.0	110.0	110.0	110.0
2/6		78.6	104.8	110.0	110.0	110.0	110.0
3/0		65.9	87.9	110.0	99.7	110.0	110.0
3/6		56.8	75.7	110.0	85.9	110.0	101.5
2/0	96-3/4"	91.2	110.0	110.0	110.0	110.0	110.0
2/6		73.7	98.3	110.0	110.0	110.0	110.0
3/0		61.9	82.5	110.0	93.5	110.0	110.0
3/6		53.3	71.0	106.5	80.5	107.4	95.2
2/0	102-3/4"	85.9	110.0	110.0	110.0	110.0	110.0
2/6		69.4	92.6	110.0	104.9	110.0	110.0
3/0		58.2	77.7	110.0	88.0	110.0	110.0
3/6		50.2	66.9	100.3	75.8	101.1	89.6
2/0	108-3/4"	81.2	108.2	110.0	110.0	110.0	110.0
2/6		65.6	87.5	110.0	99.2	110.0	110.0
3/0		55.0	73.4	110.0	83.2	110.0	110.0
3/6		47.2	63.5	100.3	71.8	101.1	89.6
2/0	114-3/4"	76.9	102.6	110.0	110.0	110.0	110.0
2/6		62.2	82.9	110.0	94.0	110.0	110.0
3/0		52.2	69.5	104.3	78.8	105.1	93.2
3/6		44.2	59.5	94.3	68.8	105.1	93.2
2/0	120-3/4"	73.1	97.5	110.0	110.0	110.0	110.0
2/6		59.1	78.8	110.0	89.3	110.0	110.0
3/0		49.6	66.1	99.1	74.9	99.9	88.6
3/6		41.6	56.1	89.1	64.9	99.9	88.6

$$\text{WIDTH (W)} = \frac{\text{DOOR PANEL} + \text{FIXED PANEL}}{2} + 1.250$$



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Ishag I. Chande*  
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

**WINDOOR®**  
INCORPORATED  
104 TRIPLE DIAMOND BLVD.  
N. VENICE, FL 34275  
(407) 481-8400

REGISTRATION #29296

Date 06/12/2020

By J ROSOWSKI

No. 450FD3B-NOA

DWG 12 OF 14

Sheet

NTS

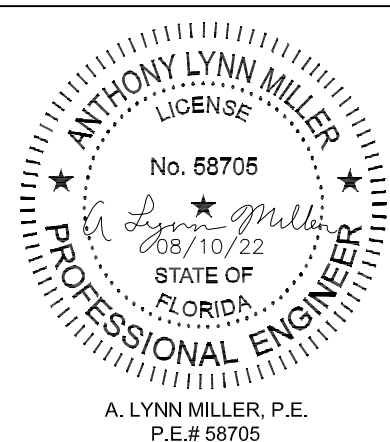
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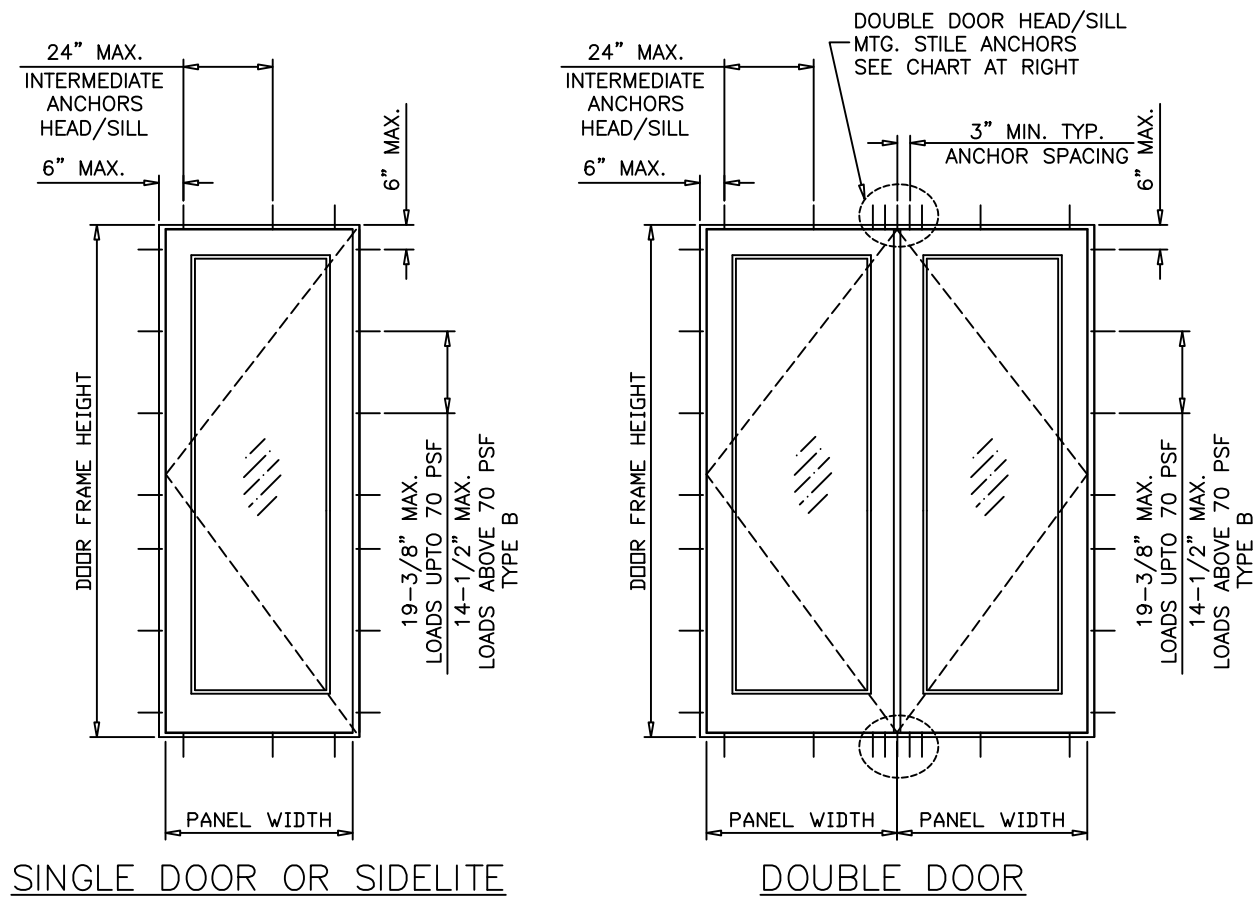
FD450 INSWING

ANCHOR DP

Series

Desc. Title

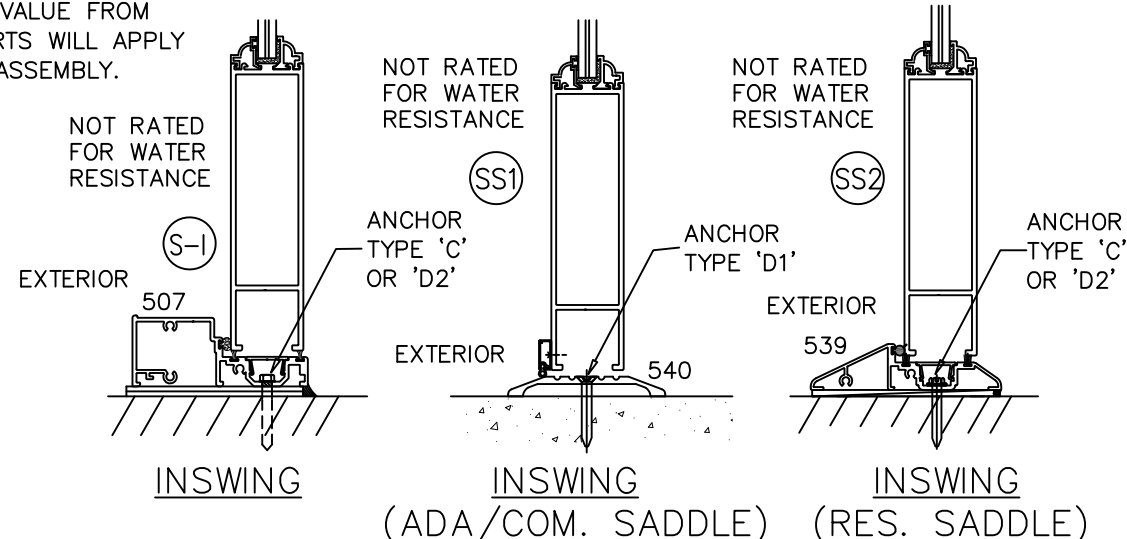




MTG. STILE ANCHORS AT DOUBLE DOORS								
NOMINAL DIMS.		DESIGN LOAD CAPACITY-PSF						
		TYPE 'B' OR 'B+' AT HEAD			TYPE 'C' AT HEAD		TYPE 'C' AT HEAD	
		CLUSTER OF 3 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 5 ANCHORS	TYPE 'C' AT S-I & SS2 SILL	CLUSTER OF 4 ANCHORS	TYPE 'D1' AT SS1 SILL OR TYPE 'D2' AT S-I & SS2 SILL	CLUSTER OF 4 ANCHORS
FRAME WIDTH (XX)	FRAME HEIGHT							
50-1/2"	82-3/4"	106.7	110.0	110.0	110.0	110.0	110.0	110.0
62-1/2"		86.2	110.0	110.0	110.0	110.0	100.7	110.0
74-1/2"		72.3	96.4	110.0	109.3	110.0	84.5	110.0
86-1/2"		62.3	83.0	103.8	94.2	110.0	72.8	97.0
50-1/2"	84-3/4"	104.2	110.0	110.0	110.0	110.0	110.0	110.0
62-1/2"		84.2	110.0	110.0	110.0	110.0	98.4	110.0
74-1/2"		70.6	94.1	110.0	106.7	110.0	82.5	110.0
86-1/2"		60.8	81.1	101.4	91.9	110.0	71.1	94.8
50-1/2"	90-3/4"	97.3	110.0	110.0	110.0	110.0	110.0	110.0
62-1/2"		78.6	104.8	110.0	110.0	110.0	91.9	110.0
74-1/2"		65.9	87.9	109.9	99.7	110.0	77.1	102.7
86-1/2"		56.8	75.7	94.7	85.9	110.0	66.4	88.5
50-1/2"	96-3/4"	91.2	110.0	110.0	110.0	110.0	106.6	110.0
62-1/2"		73.7	98.3	110.0	110.0	110.0	86.2	110.0
74-1/2"		61.9	82.5	103.1	93.5	110.0	72.3	96.4
86-1/2"		53.3	71.0	88.8	80.5	107.4	62.3	83.0
50-1/2"	102-3/4"	85.9	110.0	110.0	110.0	110.0	100.4	110.0
62-1/2"		69.4	92.6	110.0	104.9	110.0	81.1	108.2
74-1/2"		58.2	77.7	97.1	88.0	110.0	68.1	90.7
86-1/2"		50.2	66.9	83.6	75.8	101.1	58.6	78.2
50-1/2"	108-3/4"	81.2	108.2	110.0	110.0	110.0	94.9	110.0
62-1/2"		65.6	87.5	109.3	99.2	110.0	76.7	102.2
74-1/2"		55.0	73.4	91.7	83.2	110.0	64.3	85.7
50-1/2"	114-3/4"	76.9	102.6	110.0	110.0	110.0	89.9	110.0
62-1/2"		62.2	82.9	103.6	94.0	110.0	72.6	96.9
74-1/2"		52.2	69.5	86.9	78.8	105.1	60.9	81.3
50-1/2"	120-3/4"	73.1	97.5	110.0	110.0	110.0	85.4	110.0
62-1/2"		59.1	78.8	98.5	89.3	110.0	69.0	92.0
74-1/2"		49.6	66.1	82.6	74.9	99.9	57.9	77.2

- 1) SEE SHEET 12 FOR ANCHORS DESCRIPTION AND SILL ANCHOR OPTIONS.  
2) FOR SINGLE OR DOUBLE LEAF DOORS, SINGLE SIDELITES AND THRESHOLD CAPACITY SEE CHART ON SHEET 11.  
3) SEE SHEET 2 FOR LOCK CAPACITIES FOR SINGLE AND DOUBLE DOORS.  
4) SEE SHEET 10 FOR MULLION TYPES AND DESIGN LOAD CAPACITY.  
5) SEE CHART ON SHEET 12 FOR MULLION ANCHORS CAPACITY.  
6) SEE CHART ON THIS SHEET FOR MTG. STILE ANCHORS AT DOUBLE DOOR.  
7) LOWEST VALUE FROM THESE CHARTS WILL APPLY TO ENTIRE ASSEMBLY.

MEETING STILE ANCHORS AS SHOWN IN DETAILS AND CHARTS  
INTERMEDIATE ANCHORS TO BE AT 6" FROM CORNERS AND 24" O.C. AT HEAD/SILL.



**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 22-0822.07  
Expiration Date 11/09/2026  
By *Ishag I. Chank*  
Miami-Dade Product Control

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

REGISTRATION #29296

450 ALUM. FRENCH DOOR - GLAZED & IS (LM)

ANCHOR DP

450FD3B-NOA

13 OF 14

NTS

FD450 INSWING

J ROSOWSKI

By

06/12/2020

Date

Rev.

B

WINDOOR®  
INCORPORATED  
104 TRIPLE DIAMOND BLVD.  
N. VENICE, FL 34275  
(407) 481-8400

450 ALUM. FRENCH DOOR - GLAZED & IS (LM)

ANCHOR DP

FD450 INSWING

06/12/2020

Date

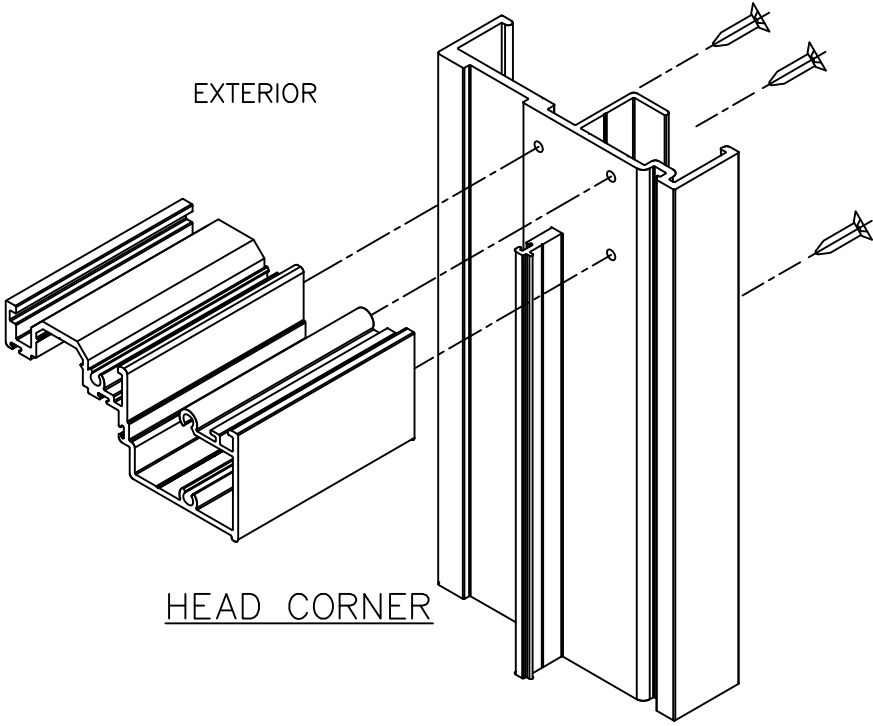
Rev.

B

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
08/10/22  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

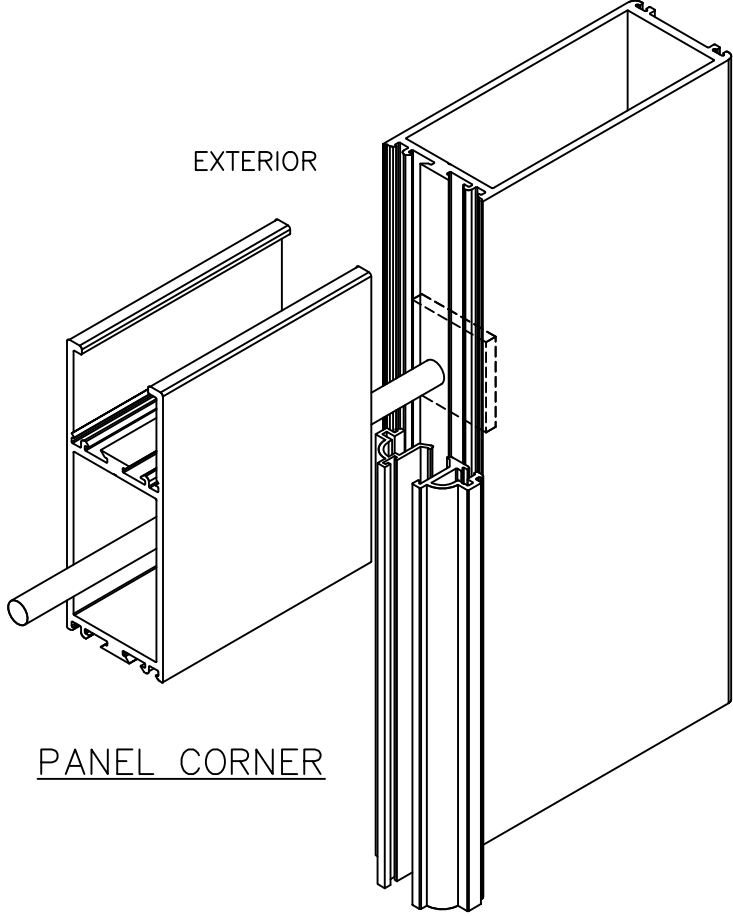
A. LYNN MILLER, P.E.  
P.E.# 58705

CORNER DETAILS

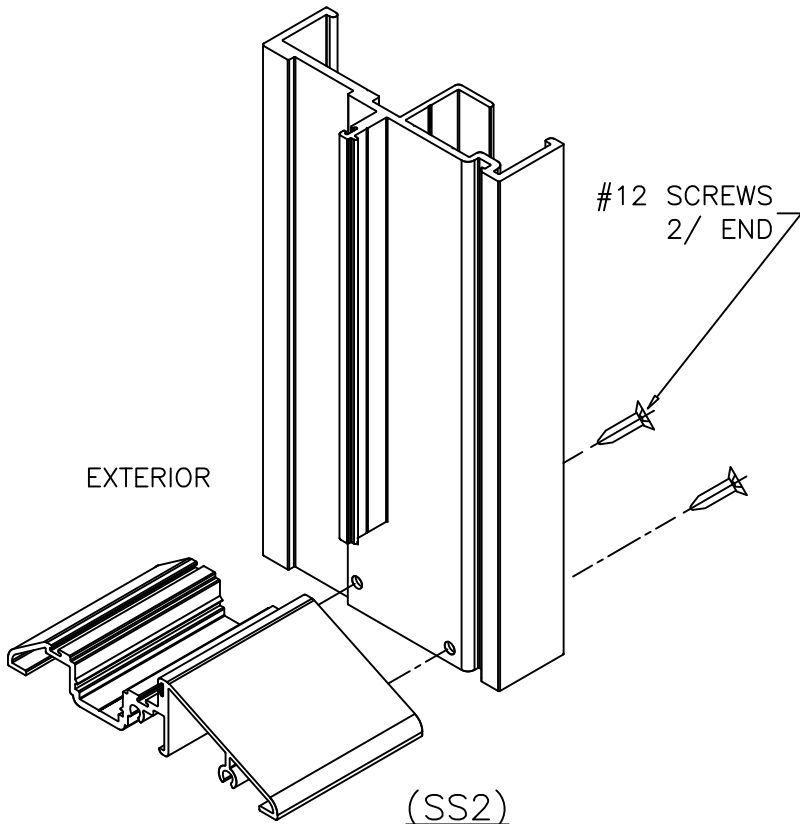


HEAD CORNER

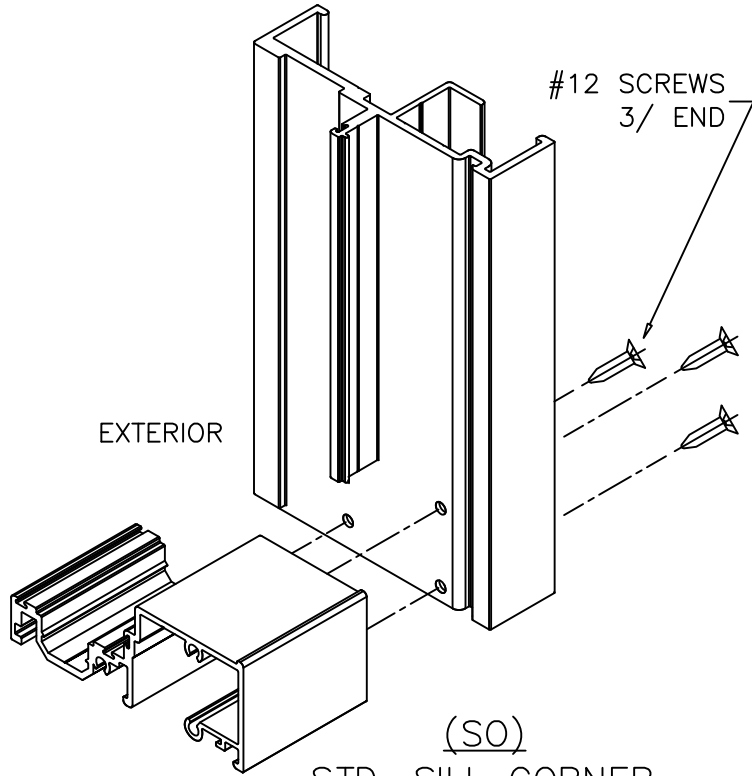
CORNERS TO BE SEALED WITH LOW MODULUS SILICONE SILPRUF.



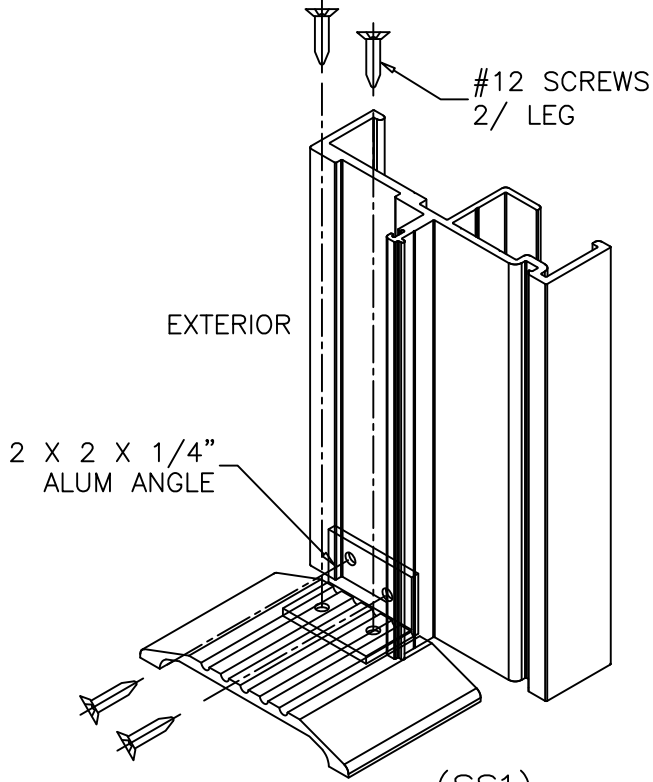
PANEL CORNER



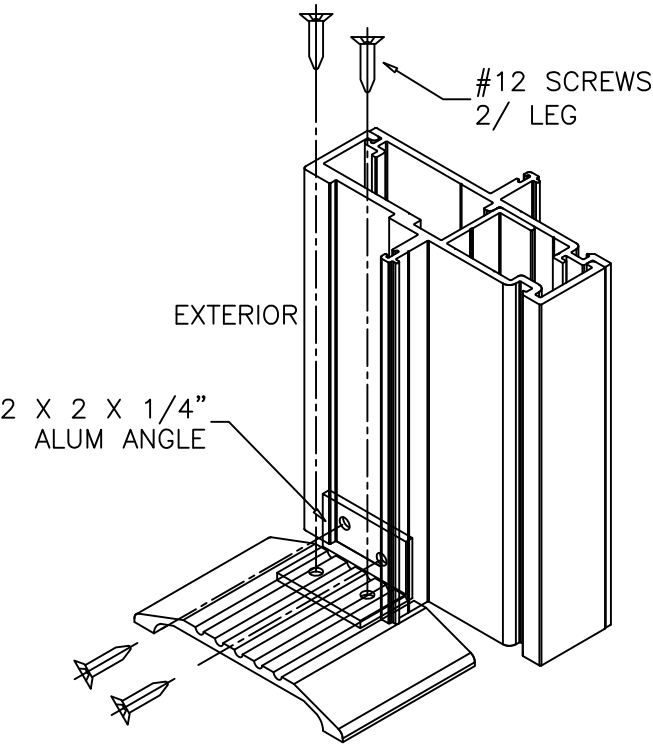
(SS2)  
RESIDENTIAL SADDLE SILL



(SO)  
STD. SILL CORNER



(SS1)  
ADA SILL CORNER

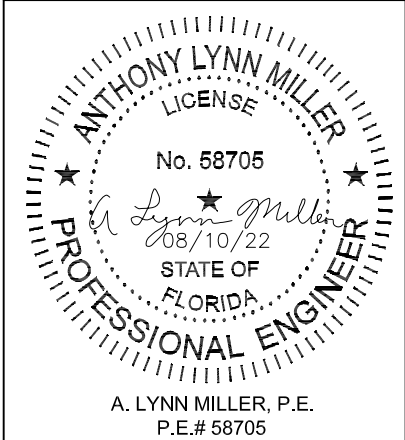


ADA SILL @ MULLION

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as complying with the Florida  
Building Code  
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By *Ishag I. Chande*  
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date 06/12/2020	By J ROSOWSKI	No. 450FD3B-NOA	DWG 14 OF 14	Sheet NTS	Scale FD450 INSWING	Series CORNER DETAILS	Title 450 ALUM. FRENCH DOOR - GLAZED & IS (LM)



A. LYNN MILLER, P.E.  
P.E.# 58705