

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

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

PRODUCT CONTROL SECTION

www.miamidade.gov/economy

**MIAMI-DADE COUNTY** 

## NOTICE OF ACCEPTANCE (NOA)

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 **450FD2-NOA Rev A**( former No.**18-106D**), titled "Series 450 Alum French Doors Glazed & IS", sheets 1thru 14 of 14, prepared by manufacturer, dated 06/12/20, 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**, **9**, **10**, **11**, **12** & **13** for unit sizes Vs 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. Exterior Design Pressure= +50.0 PSF w/ threshold (sill type S-I). Sills (threshold) types SS-1 & SS-2 are not rated for water infiltration. See thresholds (sills sheet <u>9</u>.
- 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 # 18-0926.05 (PVT) consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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



Ishaq 1. Chands

NOA No. 20-0619.07 Expiration Date: November 09, 2021 Approval Date: November 25, 2020

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, P.E.
Product Control Examiner
NOA No 20-0619.07
Expiration Date: November 09, 2021
Approval Date: November 25, 2020

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## B. TESTS (continue):

3. Reference Certified Testing Laboratories test report # CTLA **3056WA**, issued to CGI Windows & Doors Inc. pert 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/ ASTME-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, P.E.
Product Control Examiner
NOA No 20-0619.07
Expiration Date: November 09, 2021
Approval Date: November 25, 2020

## **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

## 2. New Evidence submitted

#### A. DRAWINGS

1. Drawing **450FD2-NOA Rev A** (former No.**18-106D)**, titled "Series 450 Alum French Doors Glazed & IS", sheets 1thru 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. Chands

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 20-0619.07
Expiration Date: November 09, 2021
Approval Date: November 25, 2020

## WinDoor, Inc.

## 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 (7th 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

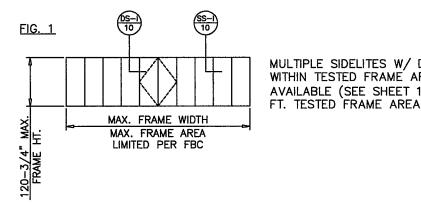
## G. OTHER

- 1. This NOA revises # 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.

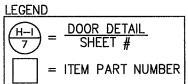
Ishaq 1. Chands

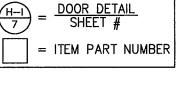
## SERIES 450 ALUM. INSWING GLAZED DOORS WITH OR WITHOUT SIDELITES. LARGE & SMALL MISSILE

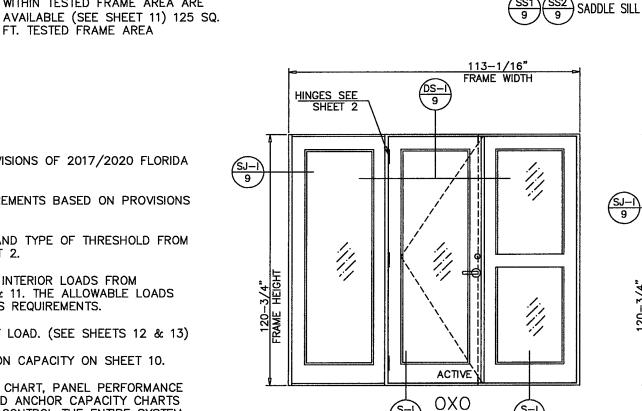
- 1) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED 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 2017/2020 FLORIDA BUILDING CODE & ADOPTED STANDARDS.
- 7) THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.É. 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. 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"

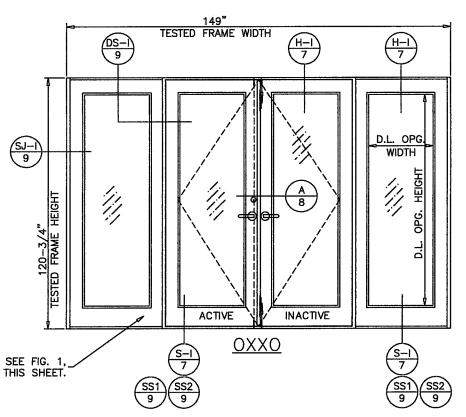


MULTIPLE SIDELITES W/ DOORS WITHIN TESTED FRAME AREA ARE









TYPICAL ELEVATIONS

11 1/4"

D.L. OPG.

**ACTIVE** 

LH CONFIGURATIONS SHOWN, RH

SIMILAR (SEE SHEET 2 FOR SIZES)

XX

74-1/2"

FRAME WIDTH

H-I 7

D.L. OPG.

INACTIVE

38-9/16" FRAME WIDTH

D.L. OPG.

WIDTH

ACTIVE

SS2

6 7/8"

6 7/8"

LOCKING

**OPTIONS** 

SHEET 2

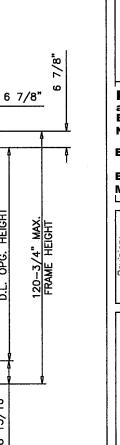
SEE CHART

6 7/8"

<u> HJ-Ì</u>

8

PANEL WIDTH



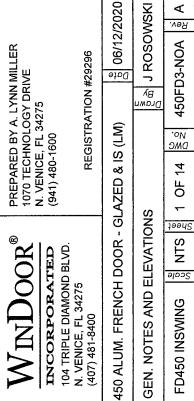
**PRODUCT REVISED** as complying with the Florida Building Code 20-0619.07 NOA-No.

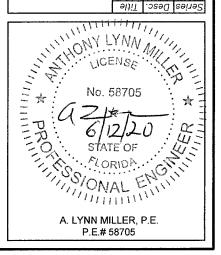
Expiration Date 11/09/2021

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Miami-Dade Product Control

REVISED FOR 2020 FBC. ADDED GEN. NOTES. ANCHOR TYPE. BACKBEDDING TYPES & REFORMATTED - JR - 6/11/20

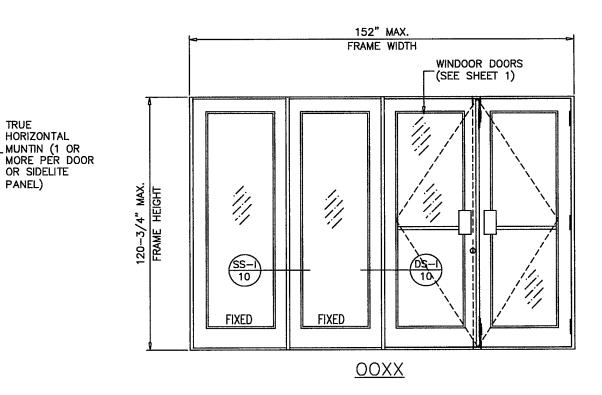




## STEPS TO USE CHARTS:

- DETERMINE WIND LOAD BASED ON PROVISIONS OF 2017/2020 FLORIDA BLDG. CODE.
- 2) DETERMINE WATER INFILTRATION REQUIREMENTS BASED ON PROVISIONS
- 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 FLORIDA BUILDING CODE.

## HARDWARE DESCRIPTION, TYPICAL ELEVATIONS



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

## 74-1/2" MAX. FRAME WIDTH CGI 12 3-POINT LOCK 44-1/2" MAX. HINGE LOCATION 10A MAX. 37-5/8" LOCK LOCATION 44-1/2" **ACTIVE** INACTIVE 12 RESIDENTIAL HARDWARE

LH CONFIGURATIONS SHOWN, RH

SIMILAR (SEE SHEET 2 FOR SIZES)

38-9/16" MAX. FRAME WIDTH

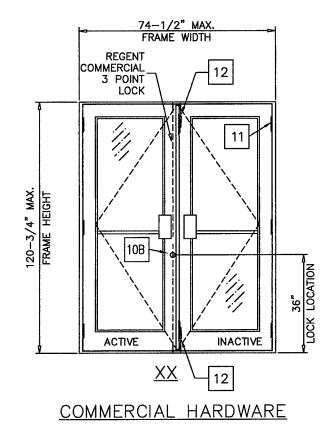
MT 9

X OR O

120-3/4" MAX. FRAME HEIGHT

TRUE HORIZONTAL

PANEL)



# LOCK OPTIONS AND CAPACITY

	10	A	10	AA.	10	B	10C &	10CC	10	F
FRAME HEIGHT	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"

<sup>\*</sup> HEIGHTS FOR STD. THRESHOLD

LEGEND	
$\frac{H-1}{7} =$	DOOR DETAIL SHEET #
=	ITEM PART NUMBER

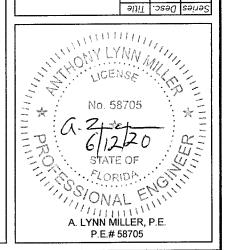
FRANC UCICHT DANCE UCICHT 1 1 7/9"	(eth tubequoin)
FRAME HEIGHT = PANEL HEIGHT + 1-7/8" FRAME HEIGHT = PANEL HEIGHT + 1-5/8" FRAME WIDTH = PANEL WIDTH + 2-13/16"	(ADA THRESHOLD)
FRAME WIDTH = PANEL WIDTH + $2-13/16$ "	,

**PRODUCT REVISED** as complying with the Florida Building Code NOA-No. 20-0619.07 Expiration Date 11/09/2021

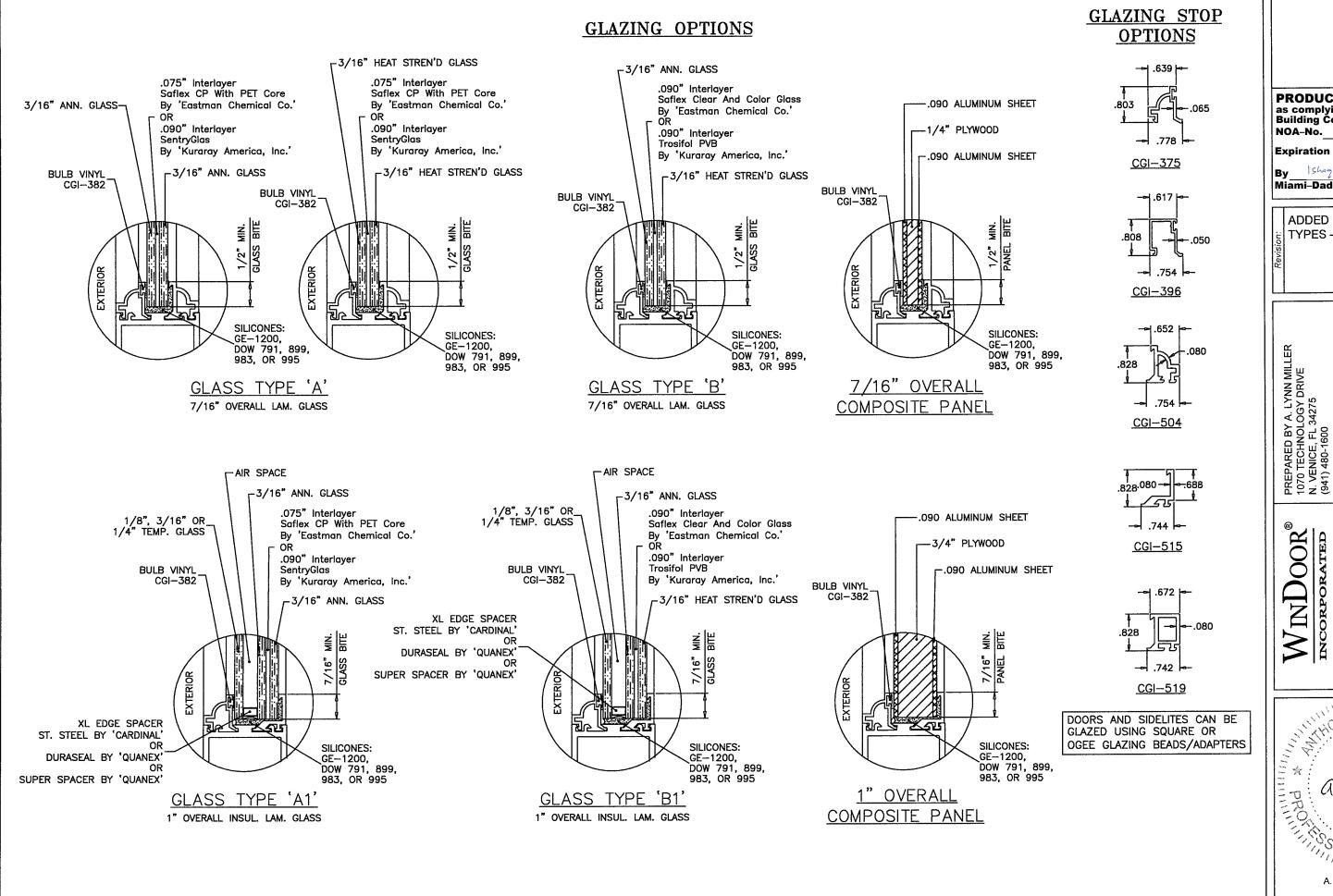
By Ishay 1. Chank

Miami-Dade Product Control

g 06/12/2020 J ROSOWSKI 450FD3-NOA № PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 450 ALUM. FRENCH DOOR - GLAZED & IS (LM) No. DMC OF 14 DESIGN PRESSURES AND ELEVATIONS 7 Scale WINDOOR



FD450 INSWING



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0619.07

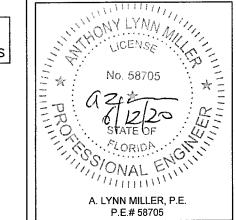
**Expiration Date**  11/09/2021

By Ishaq I. Chands

Miami-Dade Product Control

ADDED BACKBEDDING TYPES - JR - 6/11/20

> 06/12/2020 J ROSOWSKI 450FD3-NOA 😤 Date КΒ & IS (LM) No. DMC OF 14 GLAZED ( က Sheet 450 ALUM. FRENCH DOOR -NTS INCORPORATED
>
> 104 TRIPLE DIAMOND BLVD Scale DIAMOND F FL 34275 **GLAZING DETAILS** FD450 INSWING

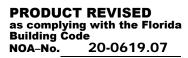


Series Desc. Title

ITEM	DESCRIPTION	BILL	OF	MATERIAL
1	#12 X 1 1/4" HEX HEAD S/S SMS (3 PER CORNER	CONNEC	:TION	)
2A	3/8-16 FULLY THREADED CONTINUOUS ROD			1
2B	3/8-16 HEX NUT			<b></b>
2C	1 1/2" X 1 1/2" X 3/16"THK. ALUMINUM PLATE			12
3	SHEAR CLIP (EXT. NO. 506)			<u></u>
4	DOUBLE 9/32" DIA. JAMB INSTLL. HOLES AT 6" FROM ENDS & 24" O.C. MAX.			13
5	9/32" DIA. HEAD & SILL INSTLL. HOLES AT 6" FROM ENDS, 3 @ CENTER OF PAIRS SPACED 6" O.C. & 24" O.C. MAX.			17
6	#10 X 1" PH-PH-SS TEKS SCREW, @ 3" & 7" FROM ENDS & $19-3/8$ " O.C. MAX.			19
7	#14 X 3/4" HEX HEAD S/S TEKS SCREW AT 6" FROM ENDS & 24 3/16" O.C. MAX.			EX
8	.320 HIGH WOOL PILE WITH CENTER FIN (ULTRAFAB	# 3032	)	51 37
9	.350 HIGH FOAM-TITE WEATHERSEAL (AMESBURY #	32011)		
10	ACTIVE PANEL LOCK OPTIONS (SEE SHEET 1.1 FOR L	LIMITS)		
1 C	CGI CUSTOM 3 POINT LOCK 4503PL, CONSISTING OF (2) A END BOLTS (TOP & BOTTOM), ATTACHED WITH #10 X 3 (1) CGI CUSTOM INTERIOR LINKAGE MECHANISM, (1) DEADBOLT BY COPPER CREEEK SERIES E MODEL D8	/4" PH	STOM SMS,	
10A	CGI CUSTOM 3 POINT LOCK 4503PL, CONSISTING OF (2) END BOLTS (TOP & BOTTOM), ATTACHED WITH #10 X 3 (1) CGI CUSTOM INTERIOR LINKAGE MECHANISM, (1) DEADBOLT BY BALDWIN SERIES 8200, KWIKSET 780.	/4" PH		
10	B REGENT COMMERCIAL 2222 THREE POINT LOCK MECHAN	ISM WITH	MOR	TISE LOCK.
1C	SINGLE POINT LOCK (1) DEADBOLT BY BALDWIN SERIES	8200.		
	SINGLE POINT LOCK (1) DEADBOLT BY COPPER CREEK S			
10	CGI CUSTOM SURFACE MOUNTED SLIDE BOLTS WITH CGI (AT TOP & BOTTOM) WITH BALDWIN SERIES 8200 DEAD	END BOL BOLT.	.TS A	T ACTIVE LEAF

RIALS
HAGER 4 1/2" X 4" HINGE IN SOLID BRASS OR STAINLESS STEEL  CGI 4-1/2" X 4" HINGE IN ALUMINUM  (14) CECURED WITH (8) WAS CALVA (8" EH ALS
11 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")
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
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

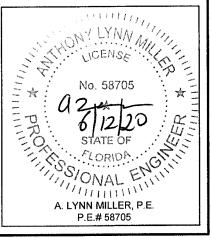


Expiration Date 11/09/2021

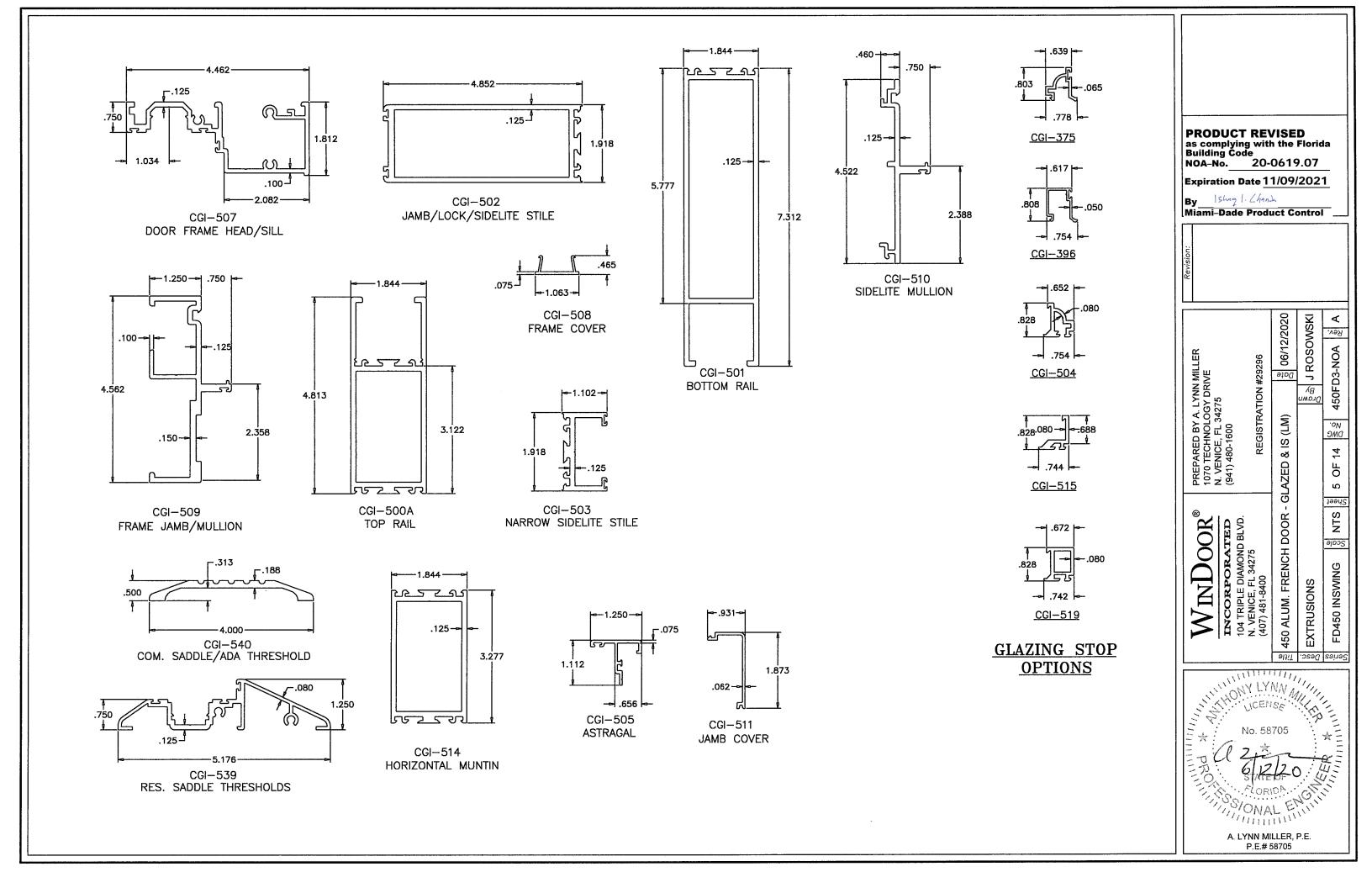
By Ishag I. Chank
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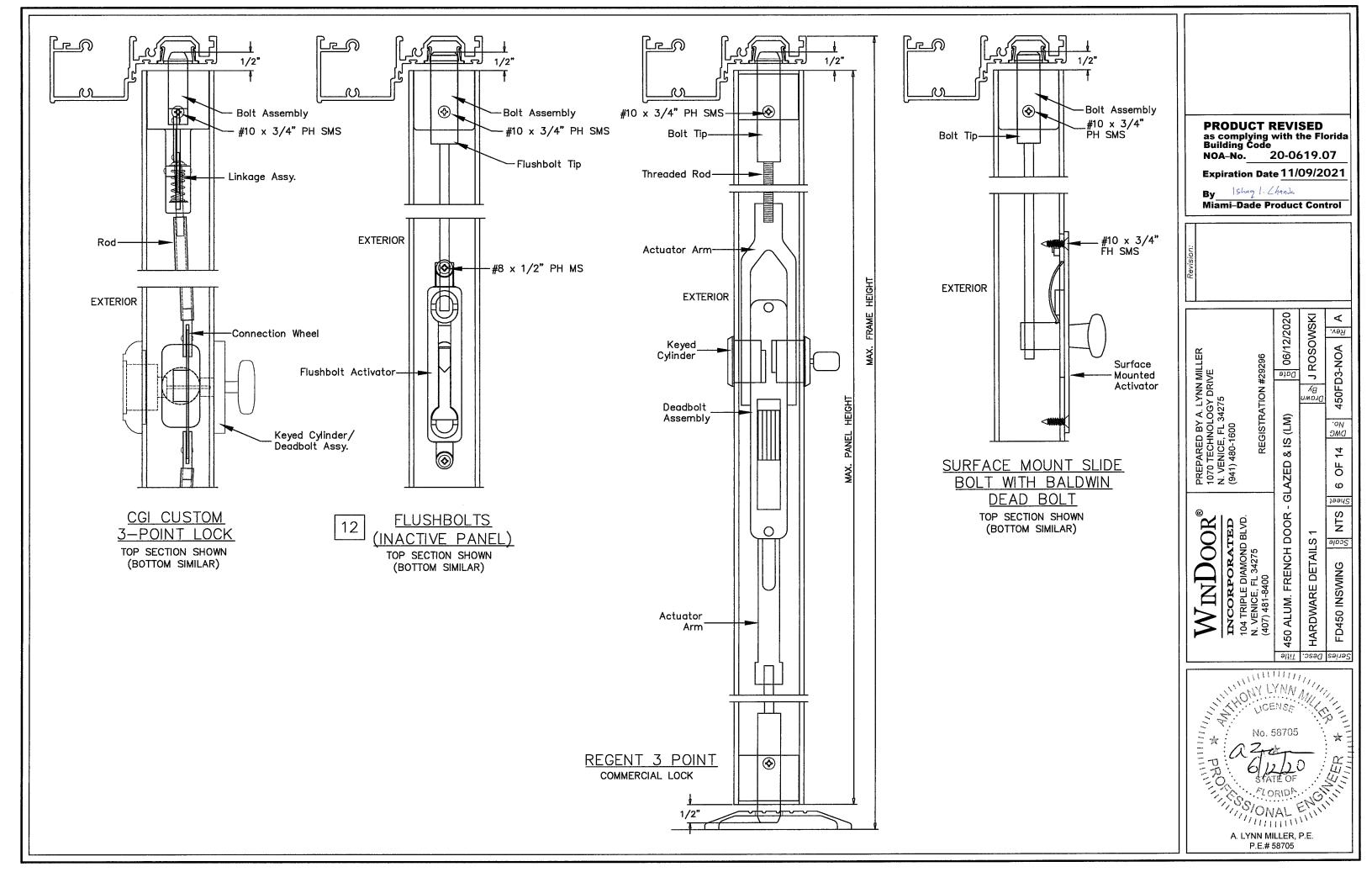
ADDED BACKBEDDING TYPES - JR - 6/11/20

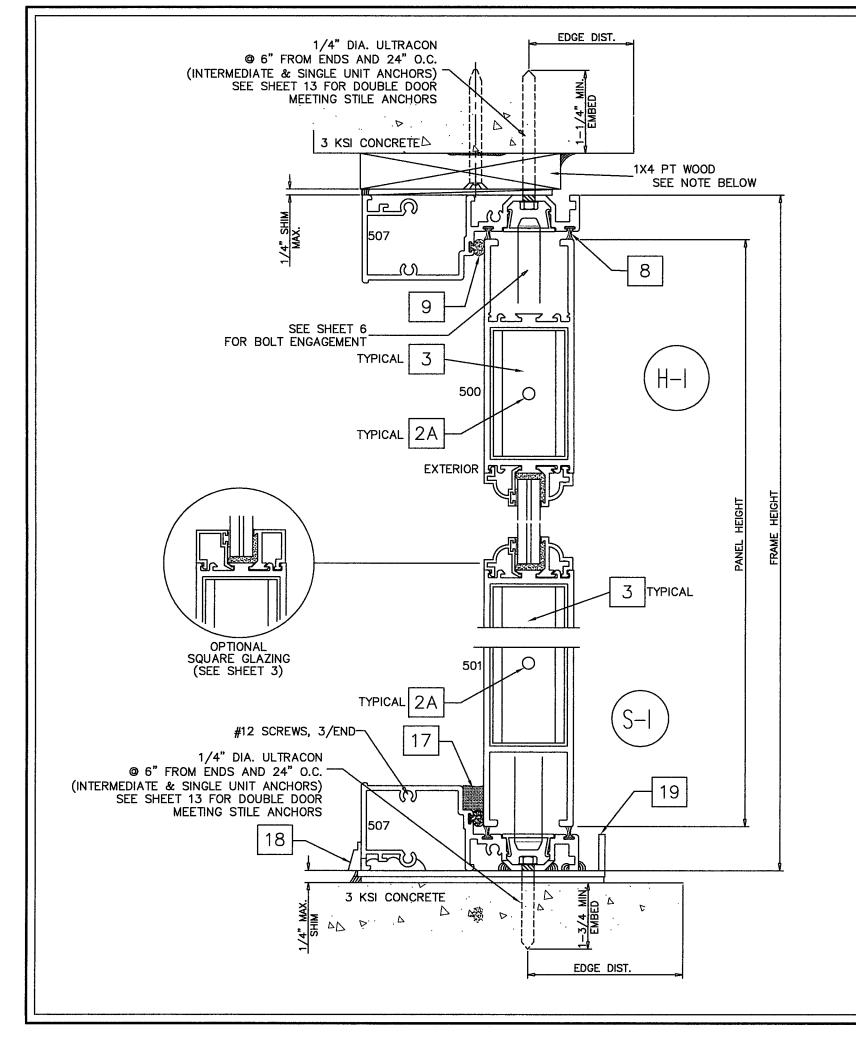
(c) 06/12/2020 J ROSOWSKI 450FD3-NOA PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 4 OF 14 DWG No. 450 ALUM. FRENCH DOOR - GLAZED & IS (LM) FD450 INSWING B NTS FE WINDOOR
INCORPORATED
104 TRIPLE DIAMOND BLVD.
N. VENICE, FL 34275
(407) 481-8400 BILL OF MATERIALS

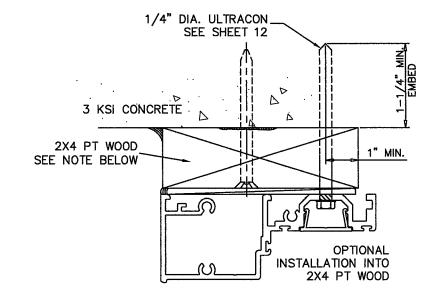


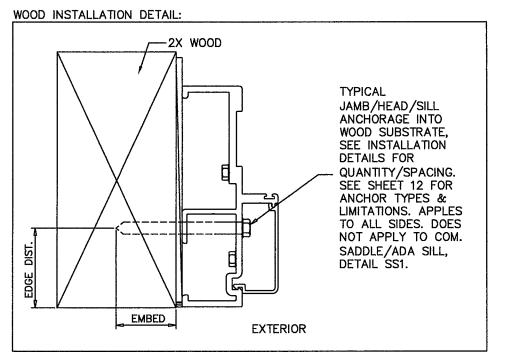
Series Desc. Title











OPTIONAL INSTALLATION DIRECTLY INTO 2X WOOD

> 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. 20-0619.07

Expiration Date 11/09/2021

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ADDED WOOD INSTALLATION DETAIL - JR -[ 6/11/20

Rev.

450FD3-NOA

DWG

4

OF

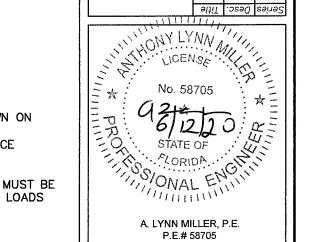
Sheet

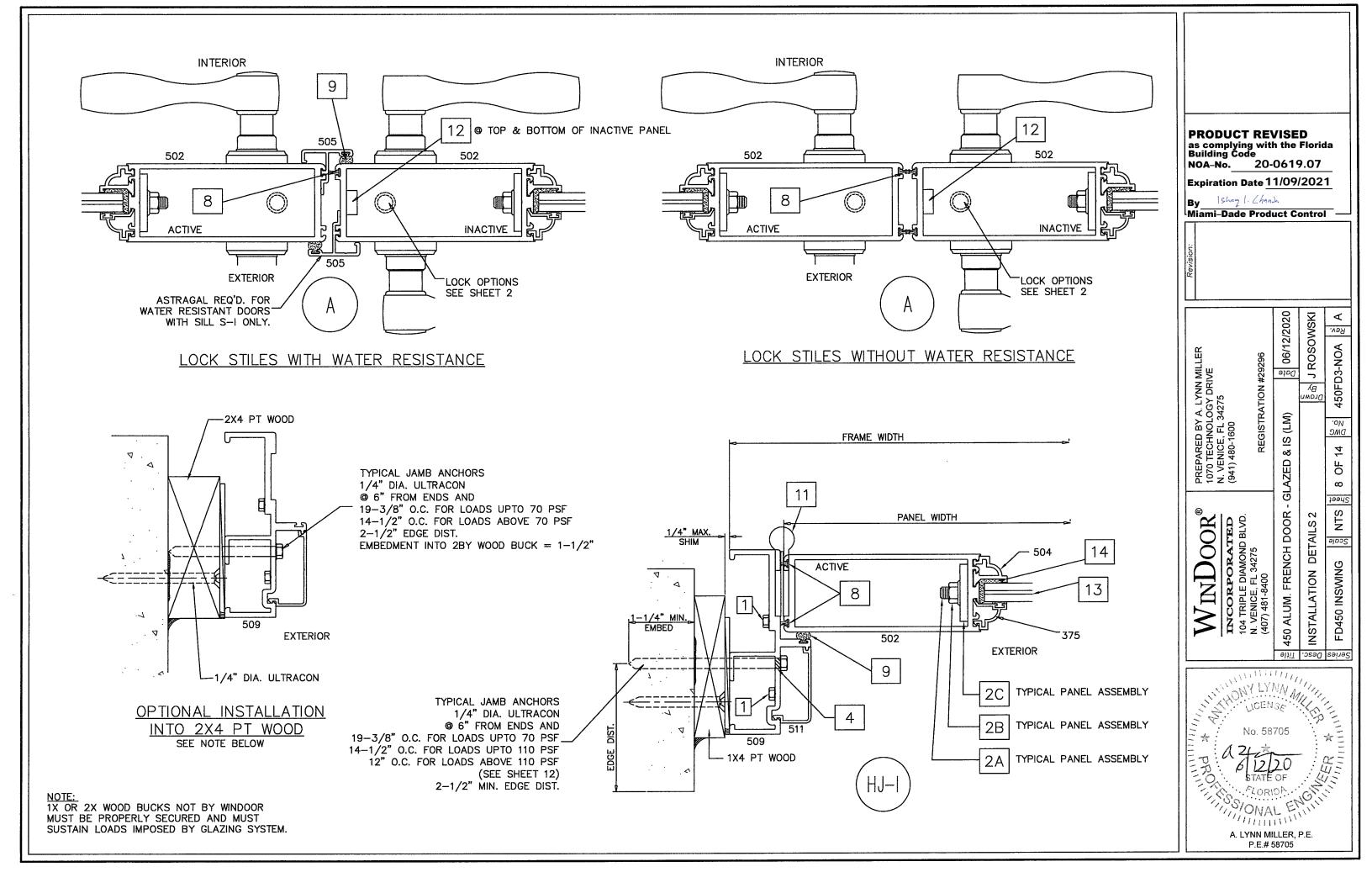
NTS

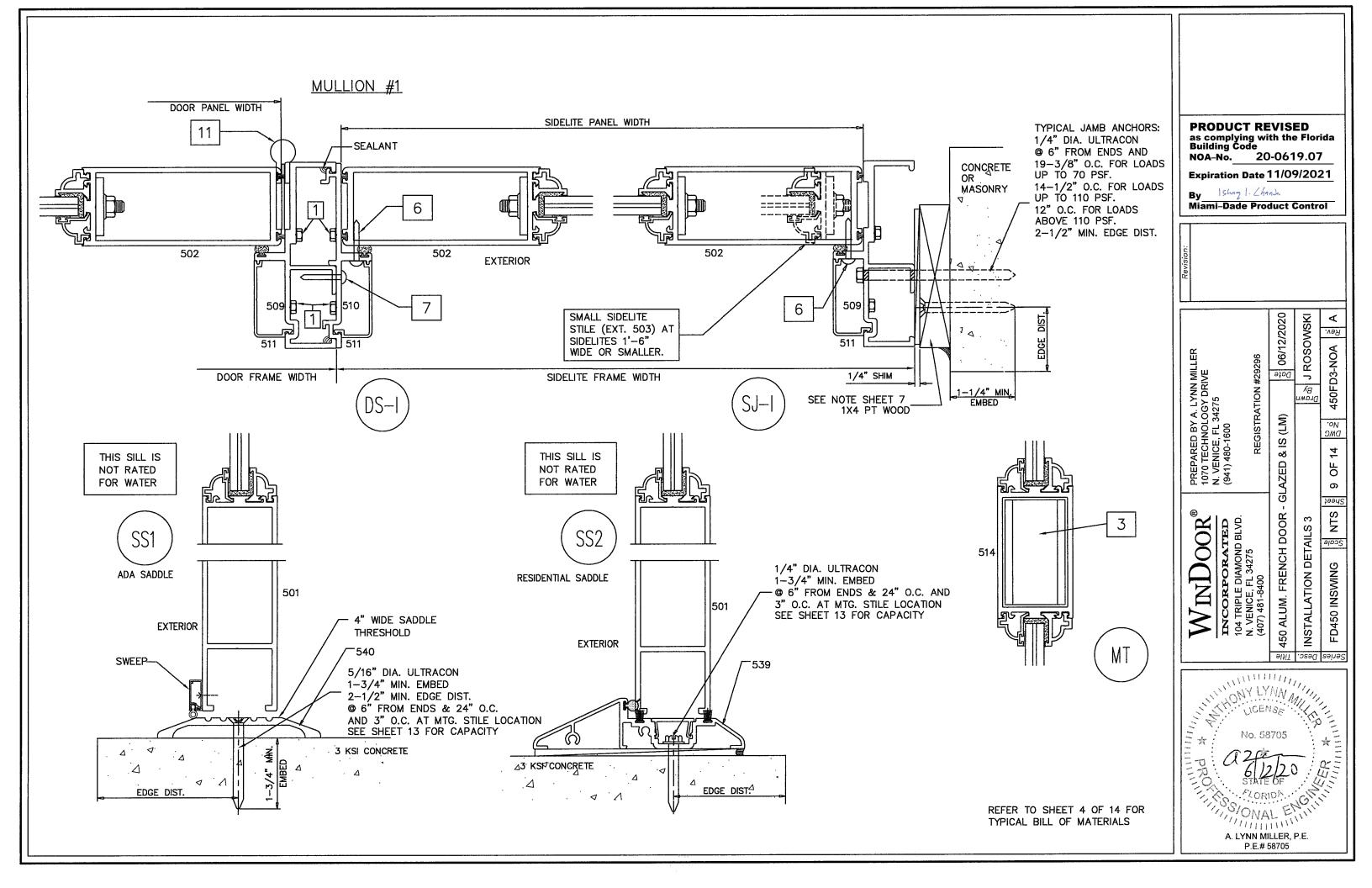
Scale

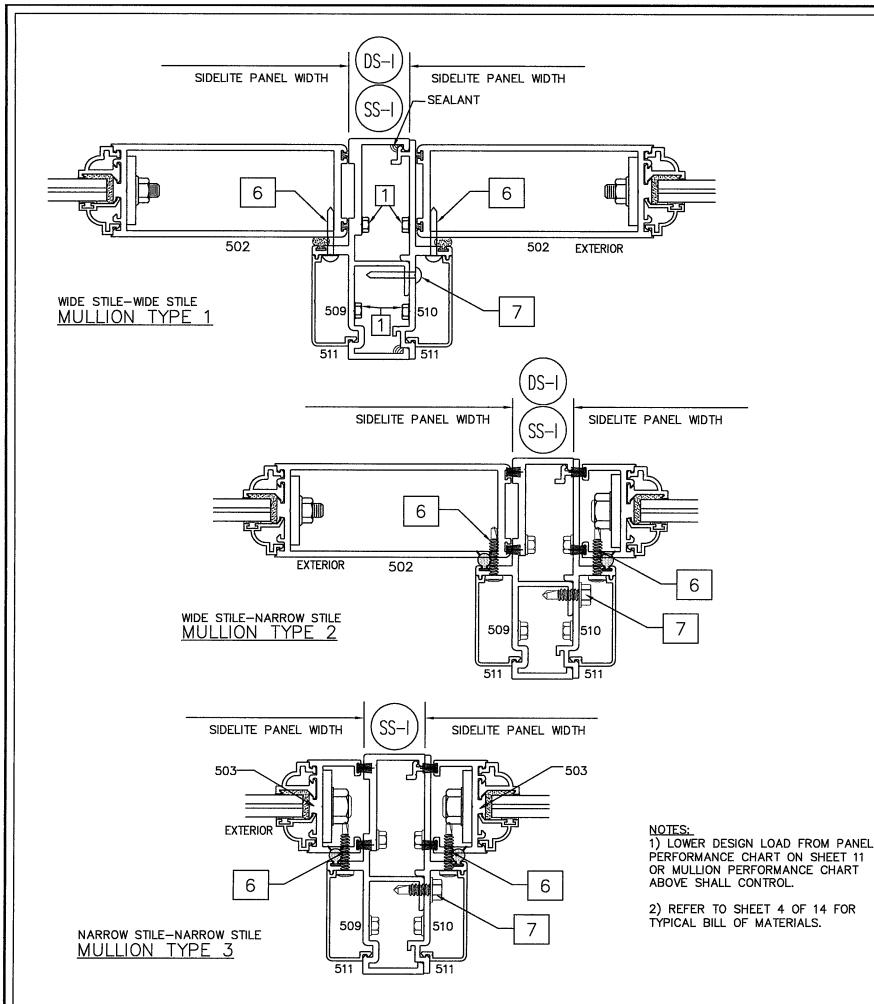
FD450 INSWING

06/12/2020 J ROSOWSKI PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 Date Orawn By & IS (LM) GLAZED 450 ALUM. FRENCH DOOR -INSTALLATION DETAILS



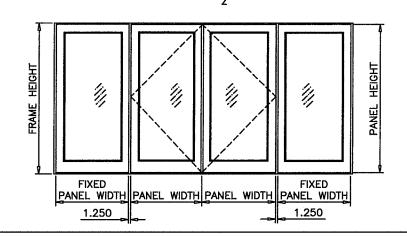






MULLION PERFORMANCE CHART DESIGN LOAD CAPACITY — PSF									
NOMIN.	AL DIMS.	MULL	TYPE 1	MULL	TYPE 2	MULL	TYPE 3		
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)		
1/6		100.0	110.0	100.0	110.0	100.0	110.0		
2/0		100.0	110.0	100.0	110.0	100.0	110.0		
2/6	82-3/4"	100.0	110.0	100.0	110.0		-		
3/0		100.0	110.0	100.0	110.0	-	-		
3/6		94.2	94.2	70.0	70.0	-	-		
1/6		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	84-3/4"	100.0	110.0	100.0	110.0	-	-		
3/0	<b>1</b>	100.0	110.0	100.0	110.0	-	_		
3/6	-	94.2	94.2	-	-	-	-		
1/6		100.0	110.0	100.0	110.0	100.0	110.0		
2/0	90-3/4"	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		100.0	110.0	100.0	110.0	100.0	110.0		
2/0	96-3/4"	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		100.0	110.0	100.0	110.0	100.0	110.0		
2/0		100.0	110.0	100.0	110.0	_	_		
2/6	102-3/4"	100.0	110.0	100.0	100.4	-	-		
3/0	1	98.9	98.9	_	-	_	-		
3/6		59.9	59.9	-	-	-	_		
1/6		100.0	110.0	100.0	110.0	100.0	110.0		
2/0	100 7/48	100.0	110.0	100.0	104.1	-	-		
2/6	108-3/4"	98.1	98.1	70.0	70.0	_	_		
3/0		82.9	82.9	-	-	-	-		
1/6		70.0	70.0	70.0	70.0	100.0	110.0		
2/0	444 7/12	70.0	70.0	70.0	70.0		-		
2/6	114-3/4*	70.0	70.0	_	_	_	-		
3/0		70.0	70.0	_	_		-		
1/6		70.0	70.0	70.0	70.0	70.0	70.0		
2/0	100 7/4	70.0	70.0	70.0	70.0	_	-		
2/6	120-3/4*	70.0	70.0	_	-	-	-		
3/0		59.9	59.9		-		-		

DOOR PANEL + FIXED PANEL WIDTH (W) =<del>-</del> + 1.250



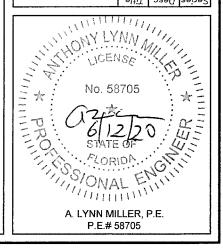
**PRODUCT REVISED** as complying with the Florida Building Code NOA-No. 20-0619.07

Expiration Date 11/09/2021

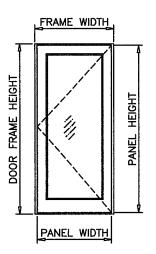
By Ishag 1. Chands

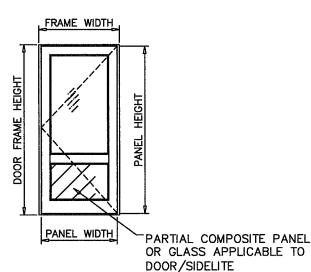
Miami-Dade Product Control

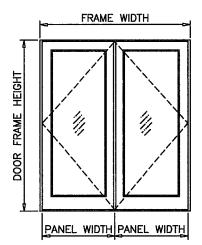
06/12/2020 J ROSOWSKI PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 ətaC Drawn By 450 ALUM. FRENCH DOOR - GLAZED & IS (LM) DWG No. 4 OF MULLION X-SECTION AND DPS NTS Sheet



FD450 INSWING







## 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.

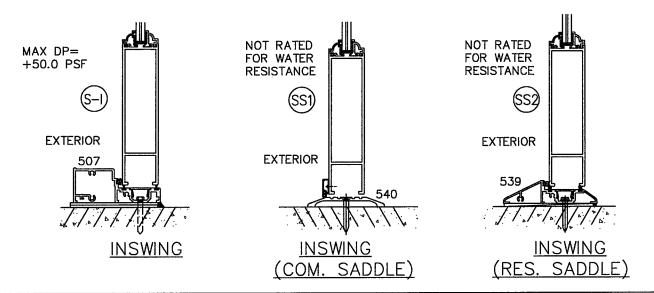
# PANEL PERFORMANCE CHART FOR SINGLE & DOUBLE DOORS & SINGLE SIDELITES (NARROW STILE SIDELITES LIMITED TO 18" OR LESS)

DESIGN LOAD CAPACITY - PSF

	NOMINAL DIMS.			TYPE 'A' OSITE PANELS ITE PANELS		YPE 'A1'	GLASS TYPES 'B' & 'B1'		
1	FRAME WIDTH	FRAME	<u> </u>				EXT, (+)	INT. (-)	
(X)	(XX)	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)		<del></del>	
26-9/16*	50-1/2*	92-3/4"	100.0	110.0	70.0	70.0	90.0	90.0	
32-9/16*	62-1/2"	82-3/4"	100.0	110.0	70.0	70.0	90.0	90.0	
38-9/16*	74-1/2"	0L 0/ 1	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"		100.0	110.0	70.0	70,0	90.0	90.0	
32-9/16*	62-1/2"	84-3/4"	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 <b>*</b>		100.0	110.0	70.0	70.0	90.0	90.0	
32-9/16"	62-1/2"	90-3/4*	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"	06.0744	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"	96-3/4*	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	<del>-</del>	-	
26-9/16*	50-1/2 <b>*</b>		100.0	110.0	70.0 *	70.0 *	-	-	
32-9/16"	62-1/2*		100.0	110.0	70.0 <b>*</b>	70.0 <b>*</b>	-	_	
38-9/16*	74-1/2"	102-3/4"	100.0	110.0	70.0 *	70.0 <b>*</b>	_	_	
44-9/16*	86-1/2*		59.9	59.9	59.9 ×	59.9 <b>*</b>	_	_	
26-9/16*	50-1/2"		100.0	110.0	70.0 ×	70.0 <b>*</b>	-	_	
32-9/16"	62-1/2*	108-3/4"	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"		70.0	70.0	70.0 *	70.0 <b>*</b>	-	_	
32-9/16"	62-1/2*	114-3/4"	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"		70.0	70.0	70.0 <b>*</b>	70.0 <b>*</b>	-	-	
32-9/16*	62-1/2"	120-3/4"	70.0	70.0	70.0 <b>*</b>	70.0 ×		_	
38-9/16*	74-1/2*		70.0	70.0	70.0 *	70.0 <b>*</b>	-	_	

LOADS SHOWN ABOVE ARE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED. LIMIT EXT.(+) LOADS TO 50.0 PSF FOR THRESHOLS S-I WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. THRESHOLDS SS1 AND SS2 ARE NOT RATED FOR WATER INFILTRATION.

<sup>\*</sup> GLASS LIMITED TO 8/O DAYLITE OPENING. PANEL SIZES ABOVE 8/O REQUIRE TRUE MUNTIN.

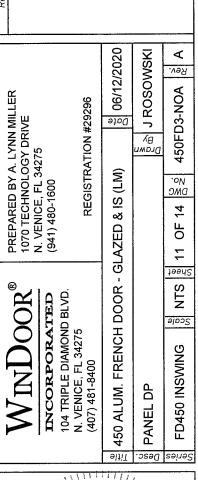


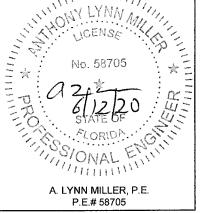
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0619.07

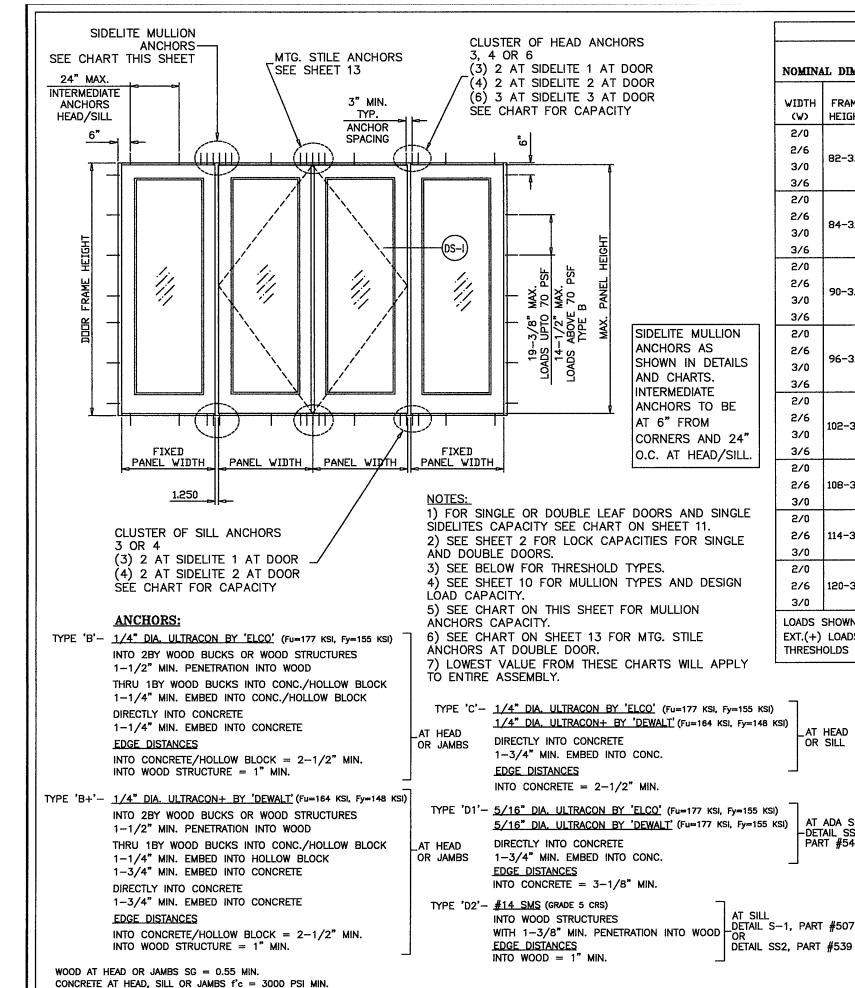
Expiration Date 11/09/2021

By Ishaq I. Chank

Miami-Dade Product Control



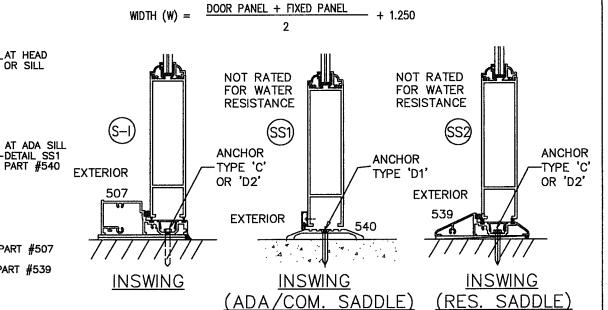




C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

				DESIG	N LOAD CAPAC	TY-PSF			
NOMINA	AL DIMS.	TYPE 'B' OR 'B+'		TYPE 'C' 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 SILI		
HTŒIW (W)	FRAME HEIGHT		CLUSTER OF 4 ANCHORS		CLUSTER OF 3 ANCHORS		CLUSTER OF 3 ANCHORS	CLUSTER OF 4 ANCHORS	
2/0		106.7	110.0	110.0	110.0	110.0	110.0	110.0	
2/6	20 044	86.2	110.0	110.0	110.0	110.0	110.0	110.0	
3/0	82-3/4"	72.3	96.4	110.0	109.3	110.0	101.0	110.0	
3/6		62.3	83.0	110.0	94.2	110.0	87.0	110.0	
2/0		104.2	110.0	110.0	110.0	110.0	110.0	110.0	
2/6	04.374	84.2	110.0	110.0	110.0	110.0	110.0	110.0	
3/0	84-3/4	70.6	94.1	110.0	106.7	110.0	98.7	110.0	
3/6		60.8	81.1	110.0	91.9	110.0	85.0	108.7	
2/0		97.3	110.0	110.0	110.0	110.0	110.0	110.0	
2/6	00.044	78.6	104.8	110.0	110.0	110.0	109.8	110.0	
3/0	90-3/4	65.9	87.9	110.0	99.7	110.0	92.1	110.0	
3/6		56.8	75.7	110.0	85.9	110.0	79.4	101.5	
2/0		91.2	110.0	110.0	110.0	110.0	110.0	110.0	
2/6	06 044	73.7	98.3	110.0	110.0	110.0	103.0	110.0	
3/0	96-3/4*	61.9	82.5	110.0	93.5	110.0	86.4	110.0	
3/6		53.3	71.0	106.5	80.5	107.4	74.4	95.2	
2/0		85.9	110.0	110.0	110.0	110.0	110.0	110.0	
2/6	100.0744	69.4	92.6	110.0	104.9	110.0	97.0	110.0	
3/0	102-3/4*	58.2	77.7	110.0	88.0	110.0	81.4	104.1	
3/6		50.2	66.9	100.3	75.8	101.1	70.1	89.6	
2/0		81.2	108.2	110.0	110.0	110.0	110.0	110.0	
2/6	108-3/4*	65.6	87.5	110.0	99.2	110.0	91.7	110.0	
3/0		55.0	73.4	110.0	83.2	110.0	76.9	98.3	
2/0		76.9	102.6	110.0	110.0	110.0	107.5	110.0	
2/6	114-3/4"	62.2	82.9	110.0	94.0	110.0	86.9	110.0	
3/0		52.2	69.5	104.3	78.8	105.1	72.9	93.2	
2/0		73.1	97.5	110.0	110.0	110.0	102.2	110.0	
2/6	120-3/4*	59.1	78.8	110.0	89.3	110.0	82.5	105.6	
3/0		49.6	66.1	99.1	74.9	99.9	69.2	88.6	

EXT.(+) LOADS TO 50.0 PSF FOR THRESHOLS S-I WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. THRESHOLDS SS1 AND SS2 ARE NOT RATED FOR WATER INFILTRATION.



**PRODUCT REVISED** as complying with the Florida Building Code NOA-No. 20-0619.07

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Ishag 1. Chands Miami-Dade Product Control

ADDED ANCHOR TYPE, &

REFORMATTED - JR - 6/11/20

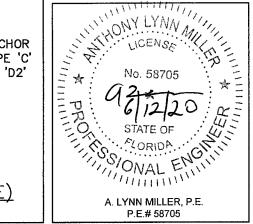
06/12/2020 J ROSOWSKI Rev. 450FD3-NOA PREPARED BY A. LYNN MILL 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 Date ורמשר By & IS (LM) No. 4 GLAZED P 12 Sheet NTS 450 ALUM. FRENCH DOOR OOR

Scale

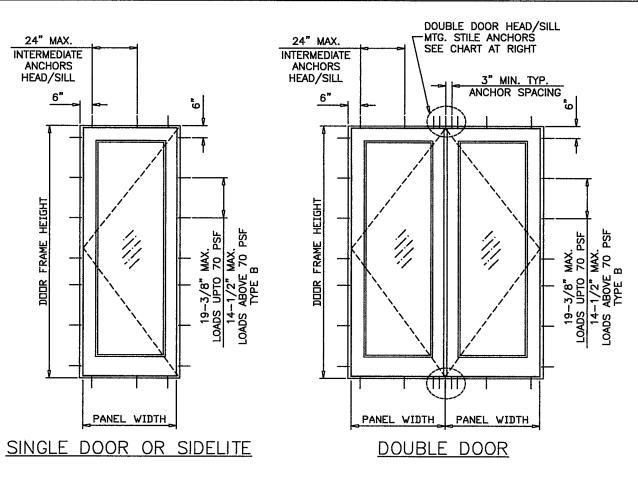
FD450 INSWING

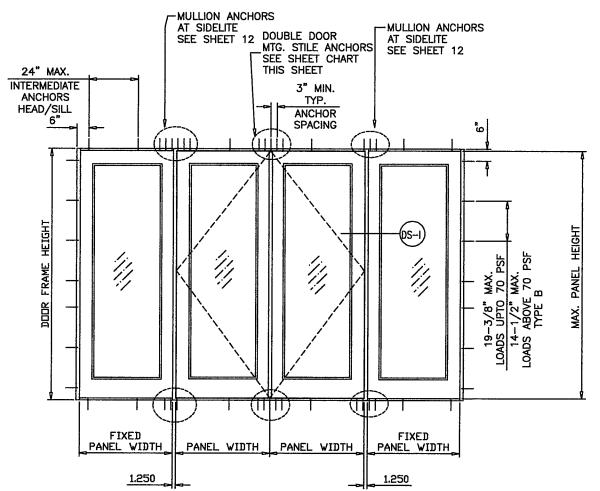
ANCHOR DP

Series Desc. Title



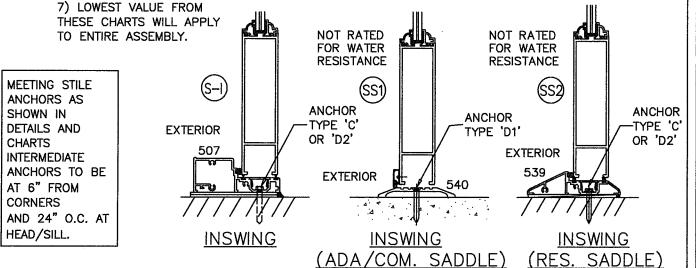
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		DESIGN LOAD CAPACTY-PSF						
NOMINAL DIMS.		TYPE 'B' OR 'B+' AT HEAD			TYPE 'C' AT HEAD TYPE 'C' AT S-I & SS2 SILL		TYPE 'C' AT HEAD TYPE 'D1' AT SS1 SILL OR TYPE 'D2' AT S-I & SS2 SILL	
HTŒIW	FRAME HEIGHT	CLUSTER OF 3 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 5 ANCHORS	CLUSTER OF 3 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 3 ANCHORS	CLUSTER OF 4 ANCHORS
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 <b>*</b>	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 <b>*</b>		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 <b>"</b>		50.2	66.9	83.6	75.8	101.1	58.6	78.2
50-1/2 <b>*</b>	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 <b>*</b>	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.



**PRODUCT REVISED** as complying with the Florida Building Code 20-0619.07 NOA-No.

Expiration Date 11/09/2021

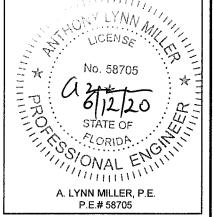
Ishaq I. Chands

Miami-Dade Product Control

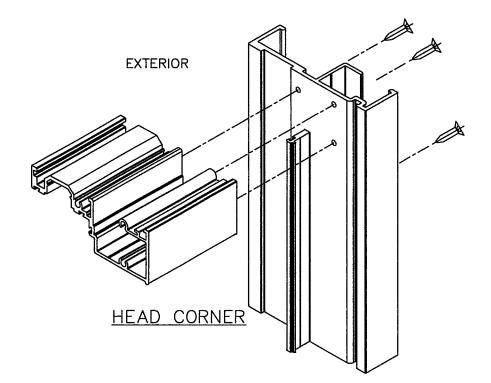
ADDED ANCHOR TYPE, & REFORMATTED - JR - 6/11/20

Кеи.

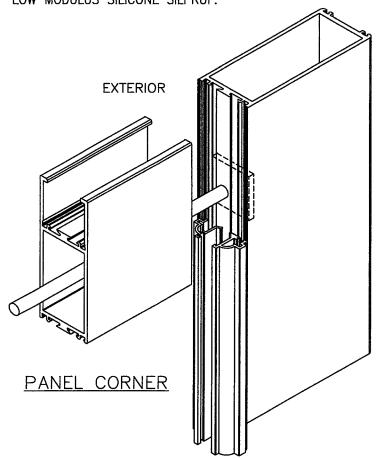
06/12/2020 J ROSOWSKI PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 450FD3-NOA REGISTRATION #29296 Date угами Ву & IS (LM) No. 4 GLAZED OF 13 Sheet 450 ALUM. FRENCH DOOR -NTS **JOOR**® Scale FD450 INSWING ANCHOR DP

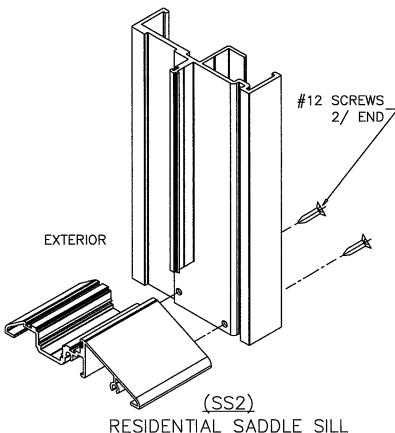


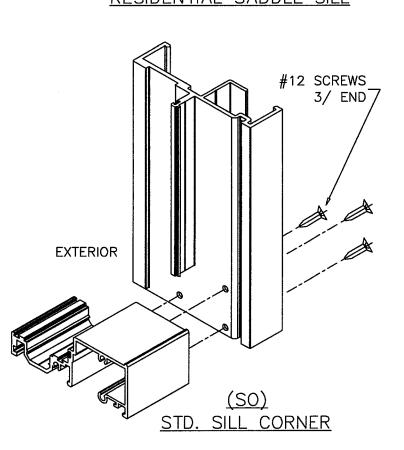
## CORNER DETAILS

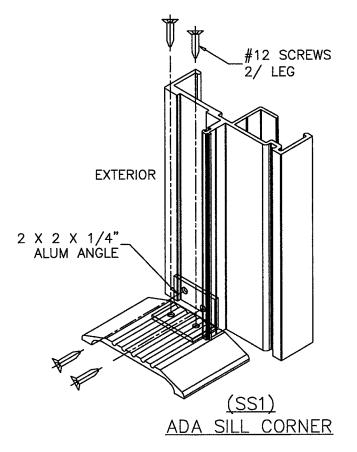


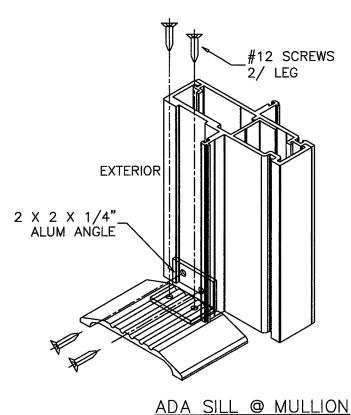
CORNERS TO BE SEALED WITH LOW MODULUS SILICONE SILPRUF.











PRODUCT REVISED
as complying with the Florida
Building Code NOA-No. 20-0619.07

Expiration Date 11/09/2021

By Ishag I. Chank
Miami-Dade Product Control

± 06/12/2020 D ROSOWSKI 450FD3-NOA RE A

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

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

NTS Sheet 14 OF 14 DWG No.

CORNER DETAILS FD450 INSWING

