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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

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

NOTICE OF ACCEPTANCE (NOA)

CGI Windows & Doors, Inc. 3780 W. 103rd Street Hialeah, FL 33018

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 Opaque Doors w/wo Sidelites - Impact

APPROVAL DOCUMENT: Drawing No. **450FD4-NOA** Rev **B**, titled "Series 450 Alum French Opaque & IS (LM)", sheets 1 thru 14 of 14, prepared by manufacturer, dated June 12, 2020 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**, **9**, **10**, **11**, **12 &13** for unit sizes Vs lock options, mullion type, door/ side lite, sill types and anchors. Lower Design Pressure shall control.
- 2. Sills (threshold) types S-1, SS-1 & SS-2 are not rated for water infiltration. See thresholds (sills) sheets 9, 11, 12 & 13.
- 3. See the 7/16" & 1" Composite panels details in sheet 3. Narrow stile sidelites are limited to 18" or less.
- 4. The alternate frame size must not exceed 125 ft², nor panel tested area and nor 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 & renews #20-0619.05 consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 & E-5, as well as approval document mentioned above.

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



Ishaq I. Chands

NOA No. 22-0822.02 Expiration Date: October 25, 2027 Approval Date: September 29, 2022

Page 1

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS

- 1. Manufacturer's die drawings and sections (Submitted under files below).
- 2. Drawing No.**W12-23 Rev B**, 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 AUG 27, 2015, signed and sealed by Javad Ahmad, P.E.
- B. TESTS (Submitted under files #12-0706.01)
 - 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.

Ishaq I. Chands

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No 22-0822.02
Expiration Date: October 25, 2027

Approval Date: September 29, 2022

B. TESTS (continued):

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.

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

- 1. Anchor verification calculations and structural analysis, complying with FBC-2014(5th 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)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

- 1. Statement letter of conformance to FBC 2014(5th 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 # 12-0706.01, expiring on 10/25/17.
- 2. Hardware cut sheets verified and marked-up by the Architectural Testing (former Hurricane Testing lab).
- 3. Test proposals dated 12/16/14 approved by RER & Test proposal # **10-0940**, dated 11/17/10 approved by BNC.

Ishaq 1. Chands

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No 22-0822.02
Expiration Date: October 25, 2027

Approval Date: September 29, 2022

2. EVIDENCE SUBMITTED under previous NOA

A. DRAWINGS

1. Drawing No. **W12-23**, 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 05/22/12, with revision **C** dated 09/21/17, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition** (2014) and with **FBC 6th Edition** (2017), prepared by Al Farooq Corporation, dated 09/29/17, signed and sealed by Javad Ahmad, P.E.

D. **QUALITY ASSURANCE**

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

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. Statement letter of conformance to FBC 5th Edition (2014) and FBC 6th Edition (2017) and letter of no financial interest, prepared by Al Farooq Corporation, dated 08/30/17, signed and sealed by Javad Ahmad, P.E.

G. OTHER

1. This NOA revises and renews# 14-1103.06, expiring on 10/25/17.

3. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **450FD4-NOA** Rev A (former No. **W12-23**), titled "Series 450 Alum French Opaque & IS (LM)", sheets 1 thru 14 of 14, prepared by manufacturer, dated June 12, 2020, 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.

Ishaq I. Chands

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No 22-0822.02
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B. TESTS (continue):

along with marked-up drawings and installation diagram of all CGI Windows and Doors, Inc. and PGT Industries, 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.:

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.

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.

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC 2020**, **7**th **Edition**, prepared by manufacturer, dated 04/20/20, signed and sealed by A. Lynn Miller, P. E.
- 2. Glazing complies with ASTM E1300–04, -09, -12 and -16.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

- 1. Statement letter of conformance to FBC 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.

G. OTHER

1. This NOA revises # 17-1011.13 and updates to FBC 2020, expiring 10/25/22.

Ishaq I. Chands

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
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2. RER Test proposals #19-1155 dated 01/10/20 approved by Ishaq I. Chanda, P.E.

CGI Windows & Doors, Inc.

Ishaq I. Chands

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **450FD4-NOA** Rev **B**, titled "Series 450 Alum French Opaque & IS (LM)", sheets 1 thru 14 of 14, prepared by manufacturer, dated June 12, 2020 and last revised on 08/10/2022, signed and sealed by Lynn Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS (submitted under previous approval)

- 1. Anchor verification calculations and structural analysis, complying with **FBC 2020**, 7th **Edition**, prepared by manufacturer, dated 04/20/20, signed and sealed by A. Lynn Miller, P. E.
- 2. Glazing complies with ASTM E1300–04, -09, -12 and -16.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

- 1. Statement letter of conformance to FBC 2020 (7th Edition), issued by manufacturer, dated 8/15/22, signed and sealed by Lynn Miller, P. E
- 2. Statement letter of conformance to FBC 2020 (7th Edition), issued by manufacturer, dated 6/12/20, signed and sealed by Lynn Miller, P. E.

G. OTHER

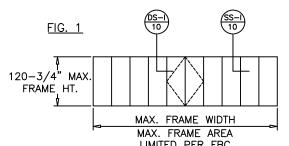
1. This NOA revises and renews#20-0619.05, expiring on 10/25/27.

Ishaq 1. Chands

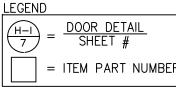
Ishaq I. Chanda, P.E.
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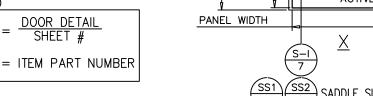
SERIES 450 ALUM. INSWING OPAQUE DOORS WITH OR WITHOUT SIDELITES, LARGE & SMALL MISSILE

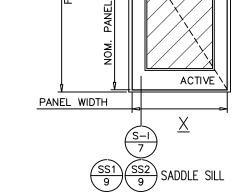
- 1) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7th EDITION) FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ). THIS DOOR IS NOT RATED FOR WATER INFILTRATION RESISTANCE AND MUST ONLY BE INSTALLED WHERE WATER INFILTRATION RESISTANCE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



MULTIPLE SIDELITES W/ DOORS WITHIN TESTED FRAME AREA ARE AVAILABLE (SEE SHEET 11) 125 SQ. FT. TESTED FRAME AREA







38-9/16"

FRAME WIDTH

D.L. OPG.

WIDTH

6 7/8"

6 7/8"

LOCKING **OPTIONS**

SHEET 2

8

SEE CHART

6 7/8"

/HJ-Ì

8

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

TYPICAL ELEVATIONS

11 1/4"

D.L. OPG.

WIDTH

FRAME WIDTH

. 7

D.L. OPG.

WIDTH

INACTIVE

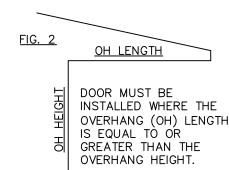
SS2 9

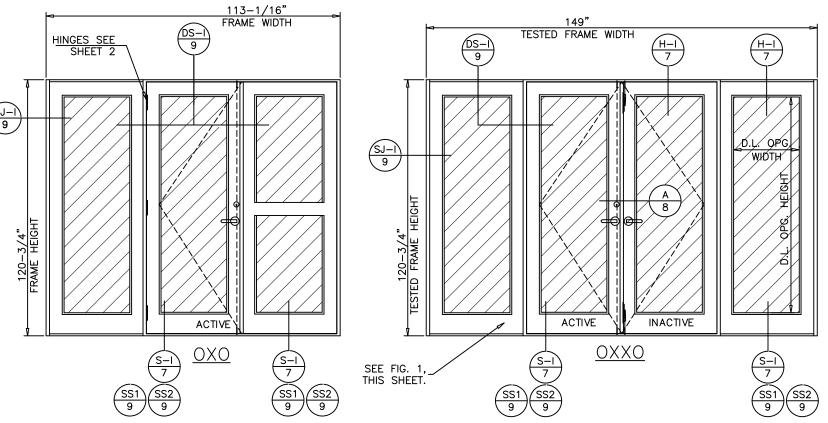
XX

6 7/8"

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.

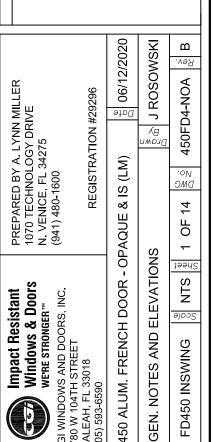


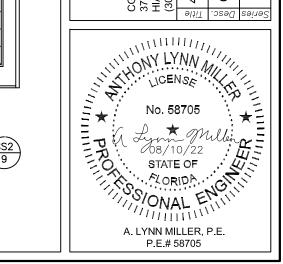


PRODUCT REVISED as complying with the Florida Building Code NOA-No. 22-0822.02 Expiration Date 10/25/2027 Ishag 1. Chands Miami-Dade Product Control **CLARIFIED WATER** INFILTRATION RESISTANCE

REQUIREMENTS - JR -

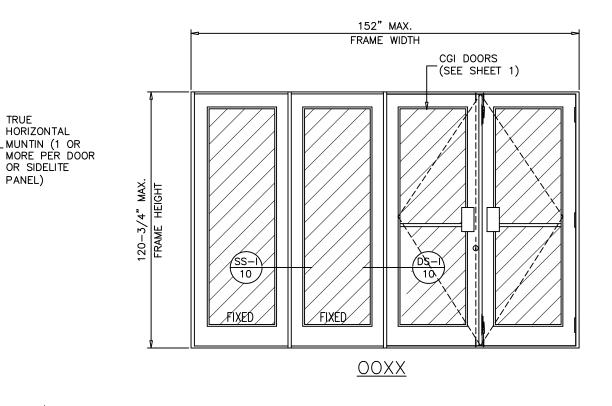
8/10/22





450,

HARDWARE DESCRIPTION, TYPICAL ELEVATIONS



12

INACTIVE

12

COMMERCIAL HARDWARE

36" LOCK LOCATION

3 POINT

120-3/4" MAX. FRAME HEIGHT

LOCK

10B

ACTIVE

HING	E 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

LOCK OPTIONS AND CAPACITY 74-1/2" MAX

	10	10A		10AA		10B		10C & 10CC		F
FRAME HEIGH	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	ı	ı	70.0	70.0

10A: COPPER CREEK W/ CGI 3 POINT CK

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"

DETAIL EET #
PART NUMBER

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

7+-1/2 WAX. ~						
FRAME WIDTH		10	A	10	AA	
REGENT	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	E
COMMERCIAL _ 12	84-3/4"	90.0	90.0	100.0	1100	1

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

, .	•	0011 211 0112211 117 001 0 1 01	
10AA	:	BALDWIN W/ CGI 3 POINT	
10B	:	REGENT COMMERCIAL 3 POINT	
10C	:	BALDWIN SINGLE POINT LOCK	
10CC	:	COPPER CREEK SINGLE POINT	LOC
10F	:	SURFACE MOUNTED LOCK	

LEGEN	ND
H-I 7) = DOOR DETAIL SHEET #
	= ITEM PART NUMBER

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

INACTIVE

12

RESIDENTIAL HARDWARE

38-9/16" MAX.

FRAME WIDTH

X OR O

12

74-1/2" MAX.

FRAME WIDTH

CGI 3-POINT -LOCK

ACTIVE

5-1/2"

37-5/8" LOCK LOCATION

120-3/4" FRAME HEI

06/12/2020 J ROSOWSKI 450FD4-NOA Rep. 7 PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 450 ALUM. FRENCH DOOR - OPAQUE & IS (LM) No. DMC OF 14 DESIGN PRESSURES AND ELEVATIONS 7 NTS Sheet Impact Resistant
Windows & Doors
We're stronger**
CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018
(305) 593-6590 Scale FD450 INSWING No. 58705

No. 58705

August Marie M

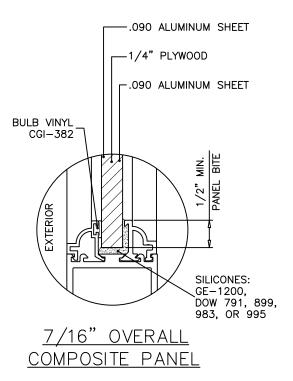
A. LYNN MILLER, P.E. P.E.# 58705

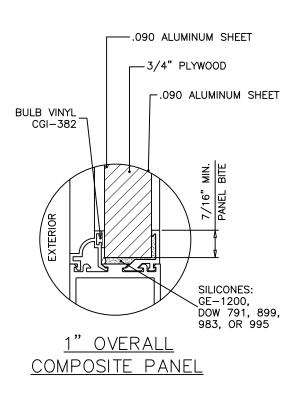
PRODUCT REVISED

Ishaq I. Chands Miami-Dade Product Control

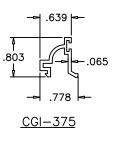
as complying with the Florida Building Code NOA-No. 22-0822.02 Expiration Date 10/25/2027

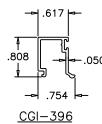
GLAZING OPTIONS

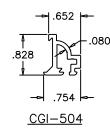


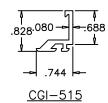


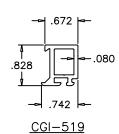
GLAZING STOP OPTIONS









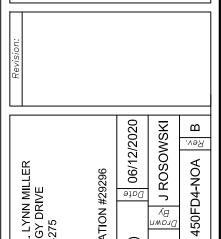


DOORS AND SIDELITES CAN BE GLAZED USING SQUARE OR OGEE GLAZING BEADS/ADAPTERS

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Expiration Date 10/25/2027

Ishaq 1. Chands Miami-Dade Product Control



REGISTRATION #29296

No. DMC

OF 14

 $^{\circ}$

NTS 5heet

Scale

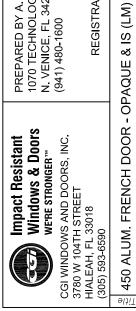
FD450 INSWING

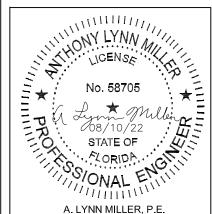
GLAZING DETAILS











P.E.# 58705

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) DOUBLE 9/32" DIA. JAMB INSTLL. HOLES AT 4 6" FROM ENDS & 24" O.C. MAX. 9/32" DIA. HEAD & SILL INSTLL. HOLES AT 6" FROM ENDS, 3 @ CENTER OF PAIRS SPACED 6" O.C. & 24" O.C. MAX. #10 X 1" PH-PH-SS TEKS SCREW, @ 3" & 7" 6 FROM ENDS & 19-3/8" O.C. MAX. #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) 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 CREEK SERIES E MODEL D82410. 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.

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

HAGER 4 1/2" X 4" HINGE IN SOLID BRASS OR STAINLESS STEEL CGI 4-1/2" X 4" HINGE IN ALUMINUM

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

PLASTIC WEEP BAFFLE

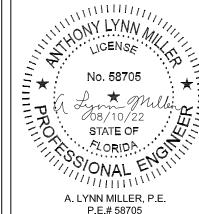
19 7/8" X 5" X 1/8" THK. CONTINUOUS ALUMINUM SILL ANGLE ADAPTER

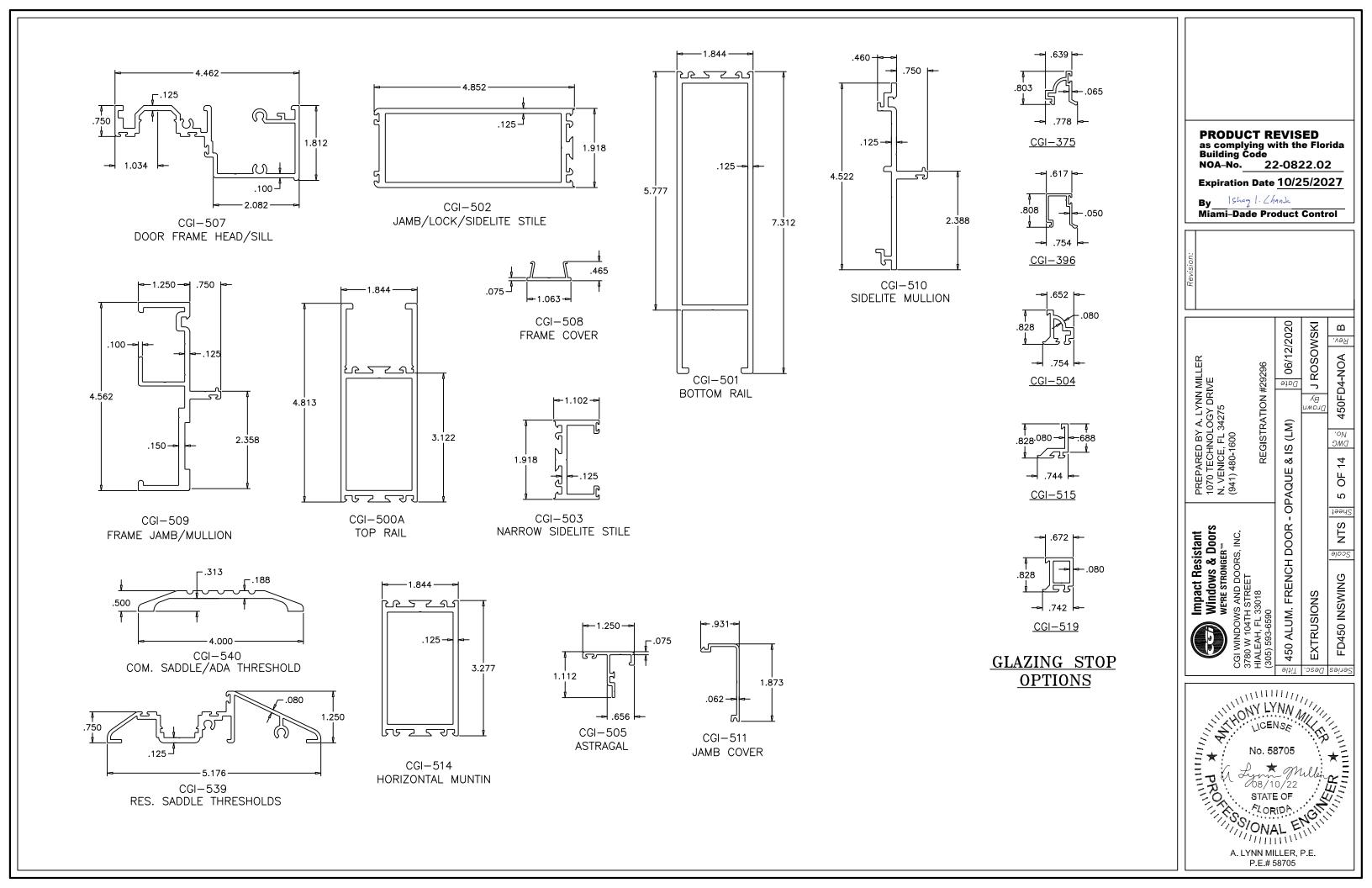
EXTRUSION LIST: 500A, 501, 502, 503, 504, 507, 509, 510, 514, 515, 519, 539, & 540 ALL EXTRUSIONS ARE 6063-T6. 375, 396, 505, 508, 511 EXTRUSIONS ARE 6063-T5.

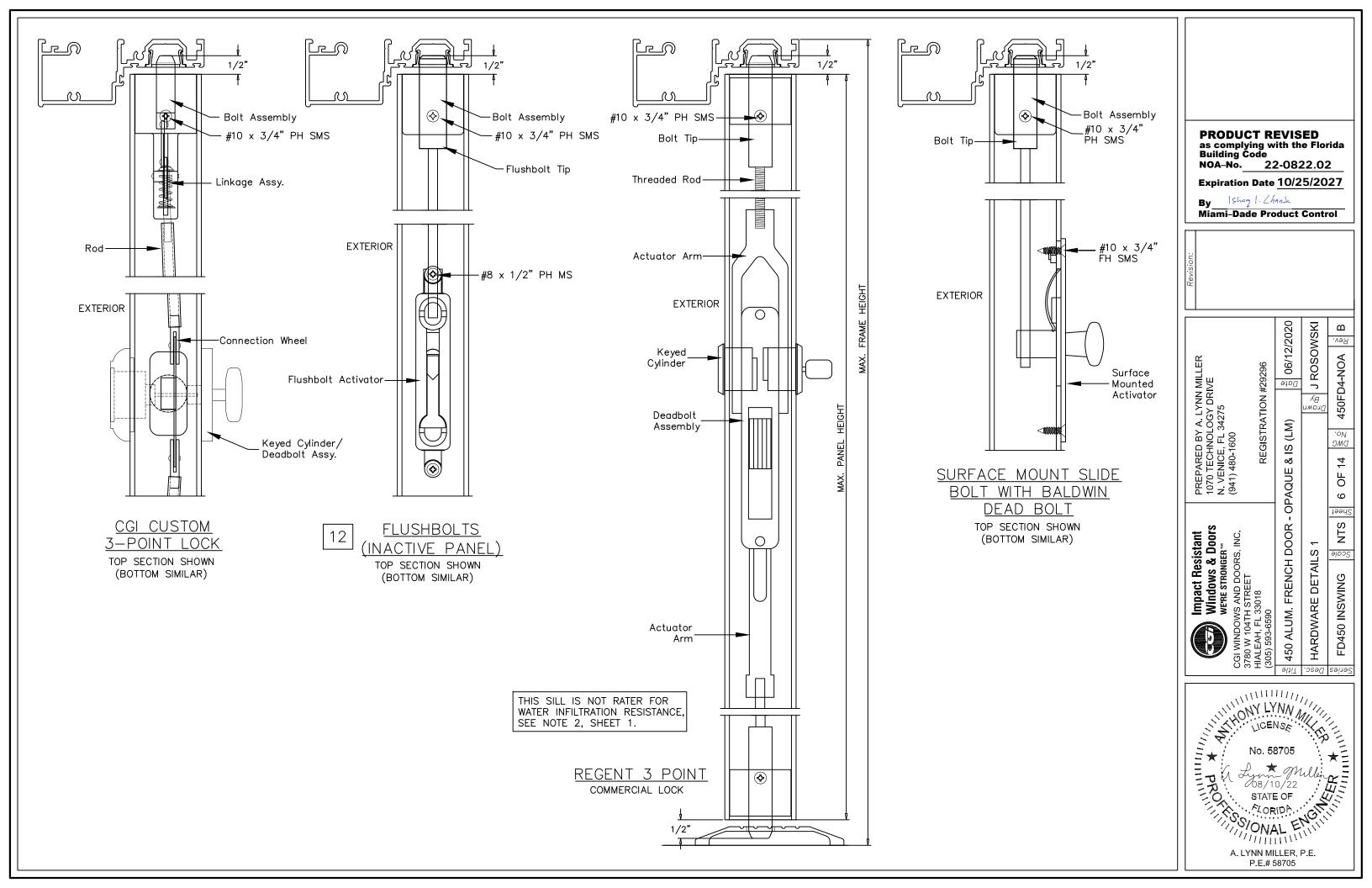
PRODUCT REVISED as complying with the Florida Building Code NOA-No. 22-0822.02 Expiration Date 10/25/2027 By Ishag 1. Chands Miami-Dade Product Control

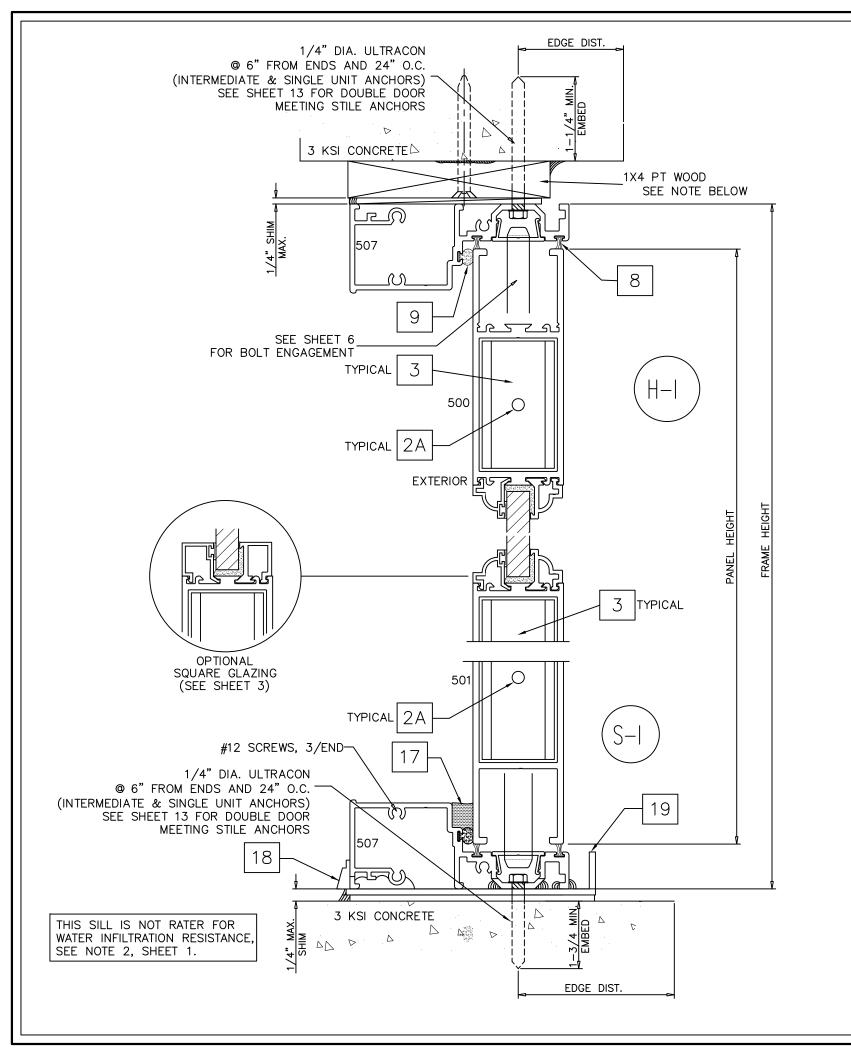
J ROSOWSKI PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 450FD4-NOA & IS (LM) -OPAQUE Я Sheet FRENCH DOOR Scale

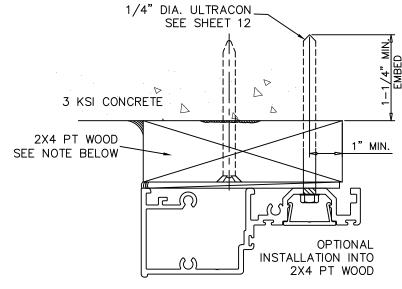
Impact Resistant
Windows & Doors
were stronger
DOWS AND DOORS, INC.
104TH STREET
1, FL 33018
3-6590

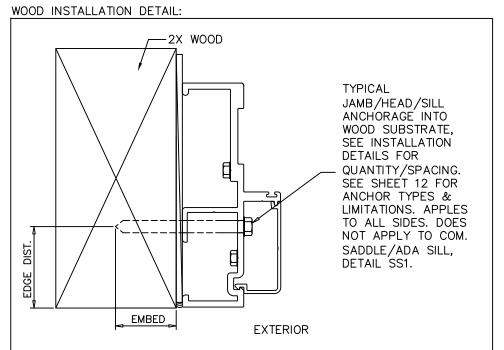












OPTIONAL INSTALLATION DIRECTLY INTO 2X WOOD

- 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.

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Expiration Date 10/25/2027

Ishaq I. Chands Miami-Dade Product Control

06/12/2020 J ROSOWSKI 450FD4-NOA R Date

REGISTRATION #29296 & IS (LM)

No. DMC

OF 14

/

Sheet

NTS

Scale

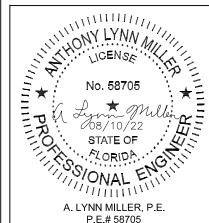
FD450 INSWING

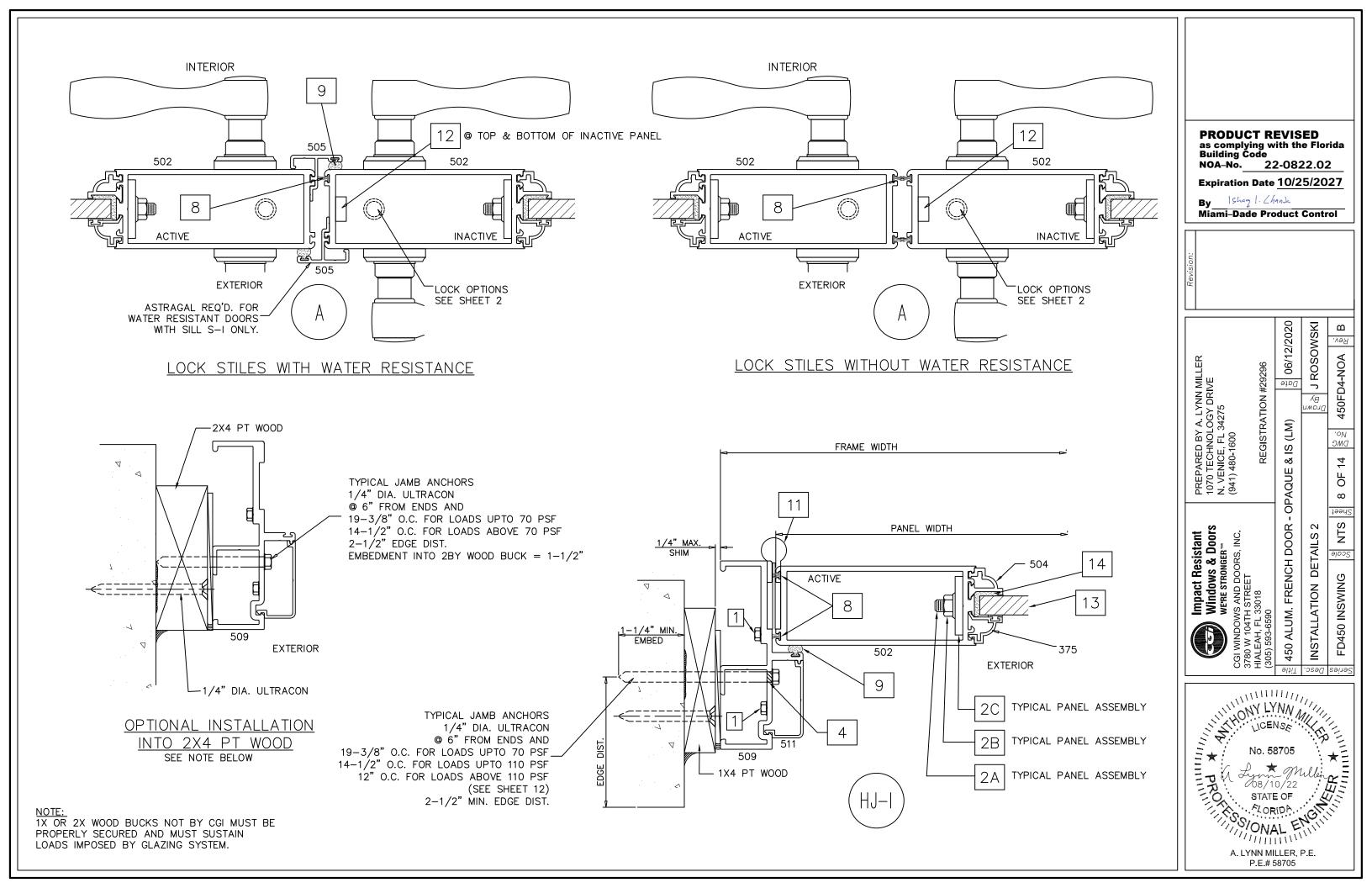
INSTALLATION DETAILS 1

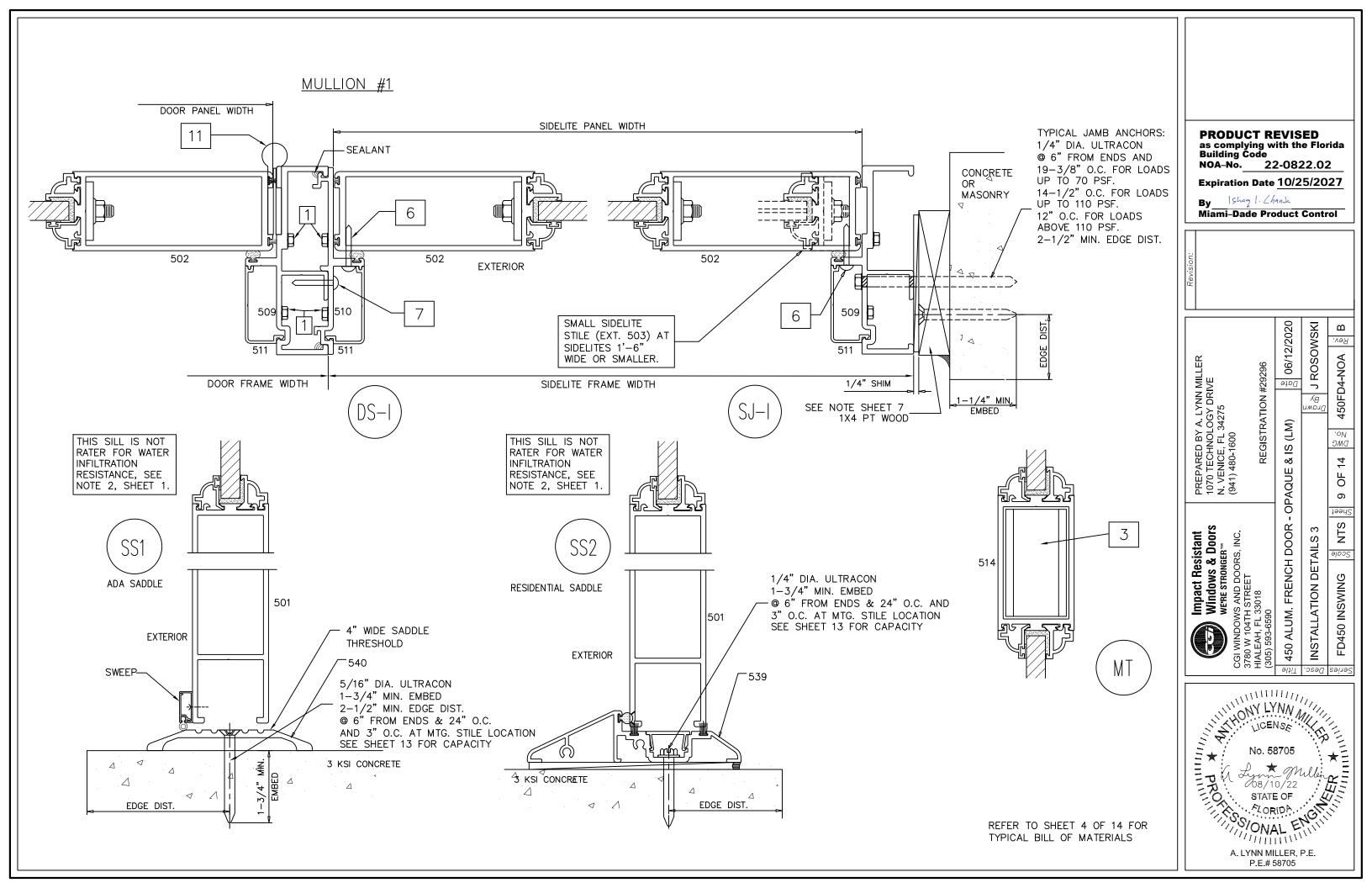
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600

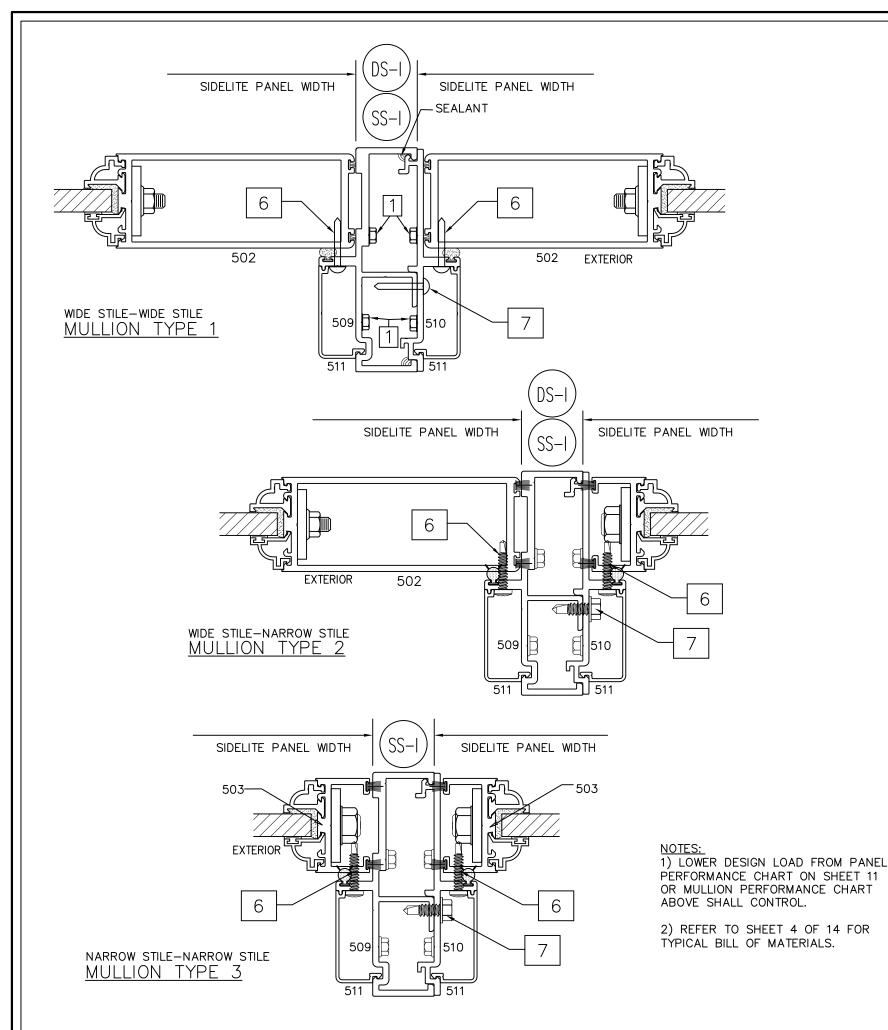


450 ALUM. FRENCH DOOR - OPAQUE Impact Resistant
Windows & Doors
Were Stronger**
CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018
(305) 593-6590





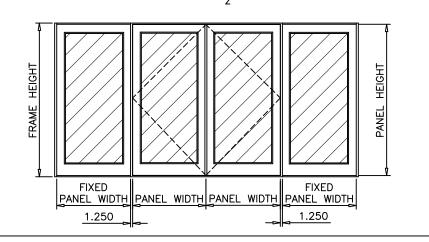




	DESI	GN LO	AD CAP	ACITY	- PSF		
NOMIN	AL DIMS.	MULL	TYPE 1	MULL	TYPE 2	MULL	TYPE 3
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
1/6		100.0	110.0	100.0	110.0	100.0	110.0
2/0		100.0	110.0	100.0	110.0	100.0	110.0
2/6	82-3/4"	100.0	110.0	100.0	110.0	-	_
3/0		100.0	110.0	100.0	110.0	-	_
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		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		100.0	110.0	100.0	110.0	70.0	70.0
2/6	90-3/4"	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		100.0	110.0	100.0	110.0	70.0	70.0
2/6	96-3/4"	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		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	108-3/4"	100.0	110.0	100.0	104.1	_	
2/6	100-5/4	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	114-3/4"	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	120 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	-	-	-	-

MULLION PERFORMANCE CHART

DOOR PANEL + FIXED PANEL WIDTH (W) =+ 1.250

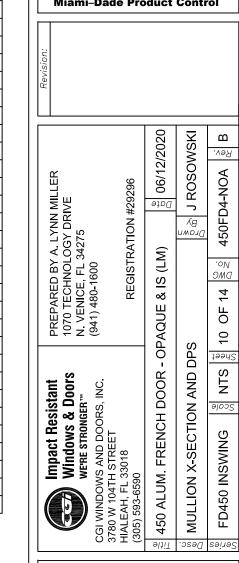


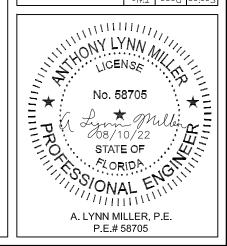
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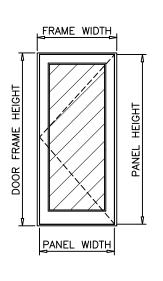
Expiration Date $\underline{10/25}/2027$

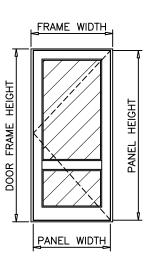
Ishaq I. Chands

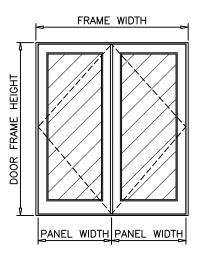
Miami-Dade Product Control







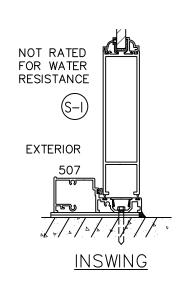


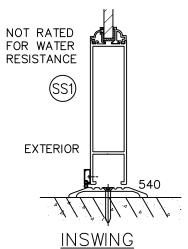


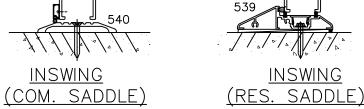
- 1) FOR SINGLE OR DOUBLE LEAF DOORS AND SINGLE SIDELITES CAPACITY SEE CHART ON THIS SHEET.
- 2) SEE BELOW FOR THRESHOLD TYPES.
- 3) SEE SHEET 2 FOR LOCK CAPACITIES FOR SINGLE AND DOUBLE DOORS.
- 4) SEE SHEET 10 FOR MULLION TYPES AND DESIGN LOAD CAPACITY.
- 5) SEE CHART ON SHEET 12 FOR MULLION ANCHORS 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.

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

NOMINAL DIMS.			7/16" COMPOSITE PANELS				
FRAME WIDTH	RAME WIDTH	FRAME	1" COMPOSITE PANELS				
(X)	(XX)	HEIGHT	EXT. (+)	INT. (-)			
26-9/16"	50-1/2"	82-3/4"	100.0	110.0			
32-9/16"	62-1/2"		100.0	110.0			
38-9/16"	74-1/2"		100.0	110.0			
44-9/16"	86-1/2"		94.2	94.2			
26-9/16"	50-1/2"	84-3/4"	100.0	110.0			
32-9/16"	62-1/2"		100.0	110.0			
38-9/16"	74-1/2"		100.0	110.0			
44-9/16"	86-1/2"		94.2	94.2			
26-9/16"	50-1/2"	90-3/4"	100.0	110.0			
32-9/16"	62-1/2"		100.0	110.0			
38-9/16"	74-1/2"		100.0	110.0			
44-9/16"	86-1/2"		94.2	94.2			
26-9/16"	50-1/2"	96-3/4"	100.0	110.0			
32-9/16"	62-1/2"		100.0	110.0			
38-9/16"	74-1/2"		100.0	110.0			
44-9/16"	86-1/2"		59.9	59.9			
26-9/16"	50-1/2"	102-3/4"	100.0	110.0			
32-9/16"	62-1/2"		100.0	110.0			
38-9/16"	74-1/2"		100.0	110.0			
44-9/16"	86-1/2"		59.9	59.9			
26-9/16"	50-1/2"	108-3/4"	100.0	110.0			
32-9/16"	62-1/2"		100.0	110.0			
38-9/16″	74-1/2"		100.0	110.0			
26-9/16"	50-1/2"	114-3/4"	70.0	70.0			
32-9/16"	62-1/2"		70.0	70.0			
38-9/16"	74-1/2"		70.0	70.0			
26-9/16"	50-1/2"	_	70.0	70.0			
32-9/16"	62-1/2"	120-3/4"	70.0	70.0			
38-9/16"	74-1/2 "		70.0	70.0			







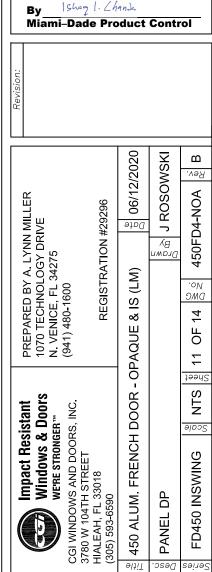
NOT RATED

FOR WATER

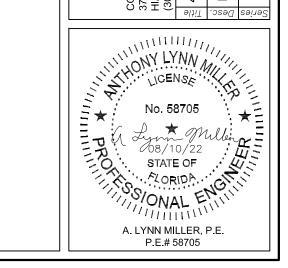
RESISTANCE

EXTERIOR

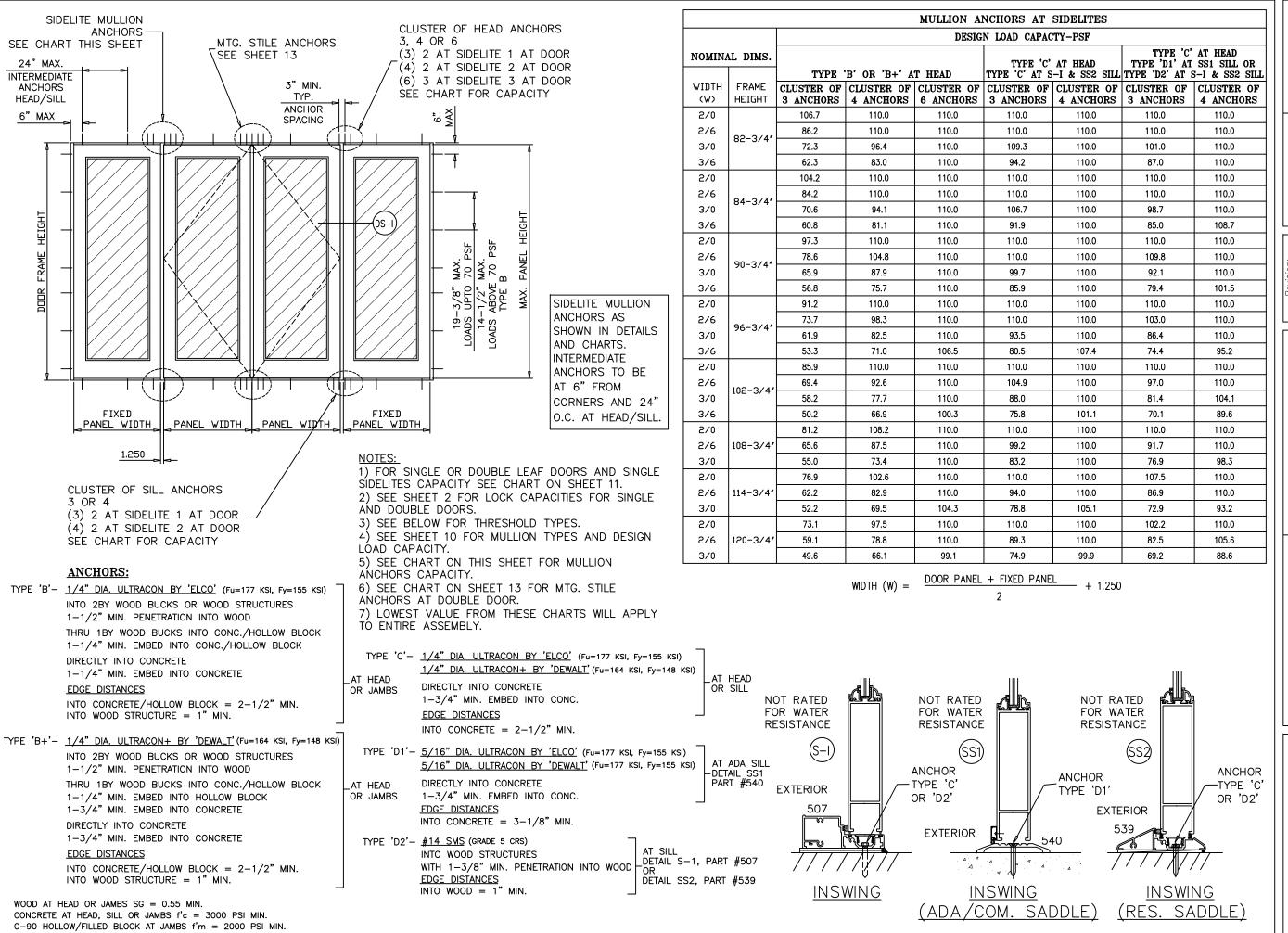
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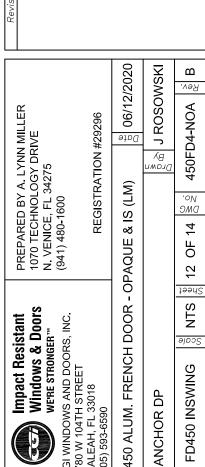
FD450 INSWING

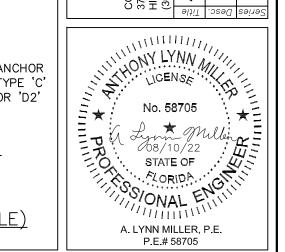


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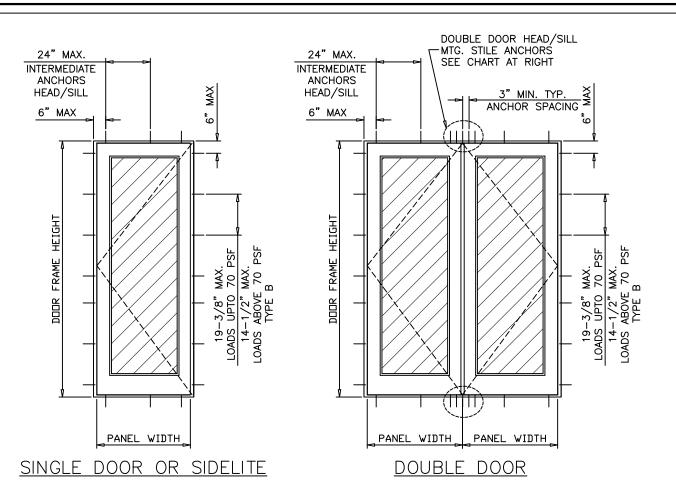
Expiration Date <u>10/25</u>/2027

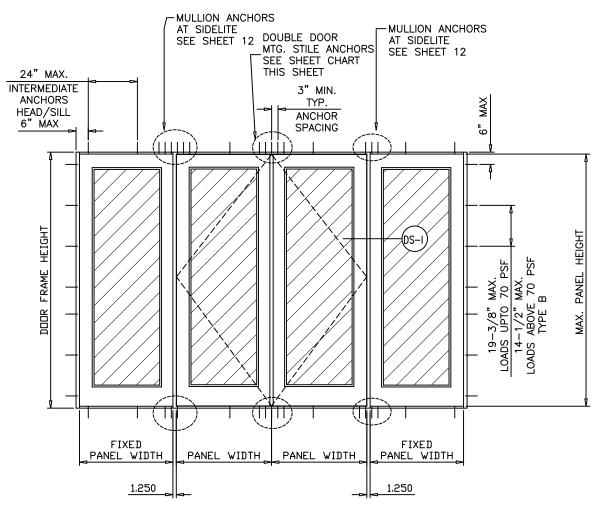
Ishaq 1. Chands Miami-Dade Product Control





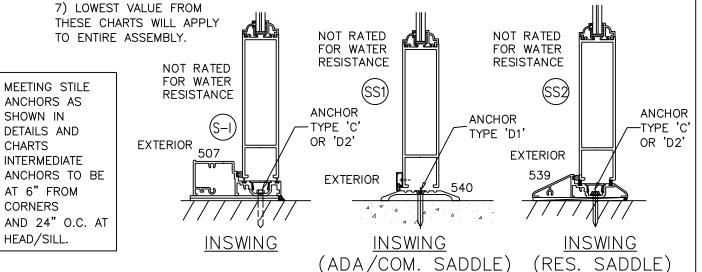
450,





MTG. STILE ANCHORS AT DOUBLE DOORS											
		DESIGN LOAD CAPACTY-PSF									
NOMINA FRAME	L 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				
WIDTH (XX)	FRAME HEIGHT	CLUSTER OF 3 ANCHORS	CLUSTER OF 4 ANCHORS			CLUSTER OF 4 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"	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"		91.2	110.0	110.0	110.0	110.0	106.6	110.0			
62-1/2"	96-3/4"	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"		81.2	108.2	110.0	110.0	110.0	94.9	110.0			
62-1/2"	′ 108-3/4 ″	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			

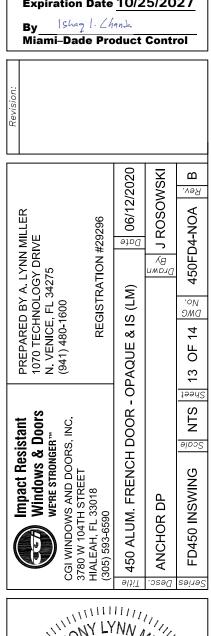
- 1) SEE SHEET 12 FOR ANCHORS DESCRIPTION AND SILL ANCHOR OPTIONS.
- 2) FOR SINGLE OR DOUBLE LEAF DOORS, SINGLE SIDELITES AND THRESHOLD CAPACITY SEE CHART ON SHEET 11.
- 3) SEE SHEET 2 FOR LOCK CAPACITIES FOR SINGLE AND DOUBLE DOORS.
- 4) SEE SHEET 10 FOR MULLION TYPES AND DESIGN LOAD CAPACITY.
- 5) SEE CHART ON SHEET 12 FOR MULLION ANCHORS CAPACITY.
- 6) SEE CHART ON THIS SHEET FOR MTG. STILE ANCHORS AT DOUBLE DOOR.

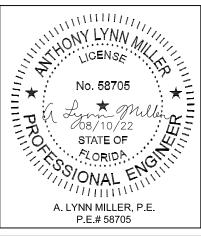


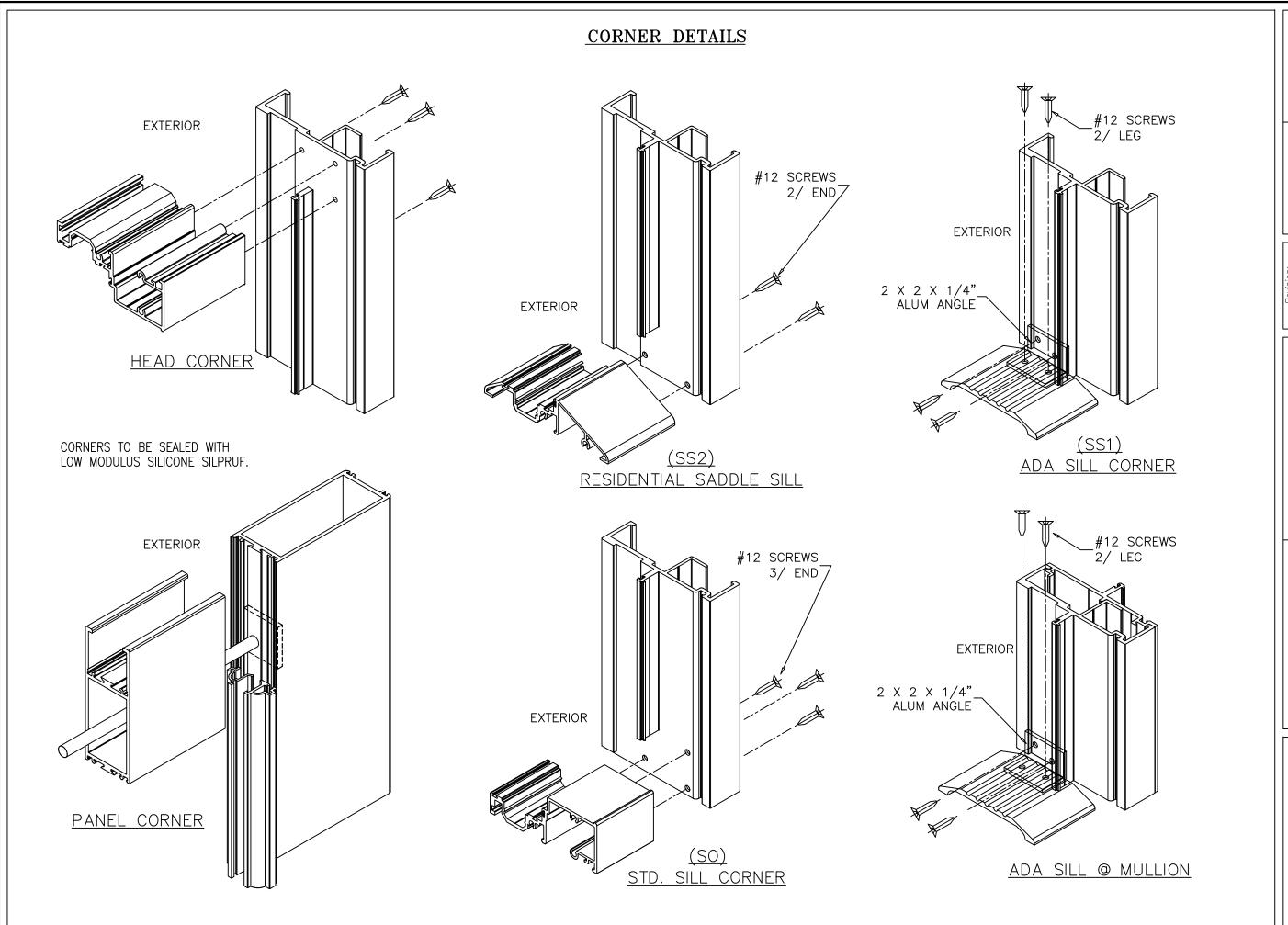
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0822.02

Expiration Date 10/25/2027

By 15/49 1. Chank
Miami-Dade Product Control







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Building Code
NOA-No. 22-0822.02

Expiration Date <u>10/25/2027</u>

Ishaq I. Chands

Miami-Dade Product Control

J ROSOWSKI 450FD4-NOA Review

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296

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



CORNER DETAILS FD450 INSWING

14 OF 14 DWG

NTS

Scale

