



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, FL 33175
T (786) 315-2590 F (786) 315-2599
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 "560" Aluminum Sliding Glass Door (3-tracks) w/ wo Reinforcements – L.M.I.

APPROVAL DOCUMENT: Drawing No. **560-3T-LM-NOA Rev B**, titled Series "560 SGDA Alum Sliding Glass Door -3T (LMI)", sheets 1 through 17 of 17, prepared by manufacturer, dated 06/10/20 and last revised on 11/30/21, signed and sealed by Anthony 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 Resistant

Limitations:

1. Pocket wall is not part of this approval and to be reviewed by AHJ.
2. See Design Pressure (DP) table: Sizes Vs glass types and Interlock/lock reinforcing in sheets **4 & 5**. See Exterior Positive DP Vs sill w/ sill Riser rating on sheet 6. See Head/sill anchor types, clusters, shim space Vs DP capacity in sheets **7, 8 & 9** and Jamb/ pocket Jamb anchor spacing on sheet **1**. See Pocket Jamb anchor capacity on sheet **13** Lower capacity from the charts shall controls for the entire assembly.
3. See allowable Max. Frame area (ft²) & configurations for Non-pocketed Doors & Pocketed Doors in sheets **2 & 3**

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revised 20-0729.08** (PLA) and consists of this page 1 and evidence page E-1, E2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 21-1208.08
Expiration Date: June 12, 2023
Approval Date: January 06, 2022
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W09-58**, titled "Series 560 Alum Sliding Glass Door – LMI", sheets 1 through 13 of 13, including sheets 2.1 and 9.1, dated 11/10/09, prepared by Al-Farooq Corporation, with latest revision "D" dated 12/23/15, signed and sealed by Javad Ahmad, P. E.

B. TESTS (Submitted under #09-1209.07/#08-0304.05)

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
 - 6) Forced Entry Test, per FBC, TAS 202-94

Along with marked-up drawings and installation diagram of an aluminum SGD, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0080-0707-09**, dated 11/10/09, signed and sealed by Vinu J. Abraham, P.E.

Along with manufacturer's parts and section drawing marked-up drawings of aluminum SGD, by Hurricane Engineering Testing, Inc., Test Report No. **HETI-07-4405, 07-4416, 07-4418, 07-4424, 07-4425, 07-4425 and 07-4427**, dated 12/27/07 thru 01/31/08, signed and sealed by Candido Font, P.E. (Note: Test report No(s) **HETI-07-4405** and **07-4416** have been revised and reissued on April 08, 2008 by Hurricane Engineering Testing, Inc, signed and sealed by Candido Font, P.E.).

C. CALCULATIONS (Submitted under NOA #15-0413.05)

1. Anchor verification calculations and structural analysis, complying with **FBC-2014, 5th edition**, dated 03/20/15 & 12/09/15, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-02 & -04.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0423.15** issued to Eastman Chemical Company (MA) for their "Saflex CP- Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 06/19/2014, expiring on 12/11/2018.
2. Notice of Acceptance No. **14-0916.11** issued to Kuraray America, Inc. for their "SentryGlas (Clear and White) Glass Interlayers" dated 06/25/2015, expiring on 07/04/2018.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the **FBC-2014, 5th edition**, dated 03/20/15, signed and sealed by Javad Ahmad, P. E.
2. Statement letter of lab compliance, part of the above test reports.
3. One year extension request letter issued by CGI Windows and Doors, Inc., dated 05/30/17, signed by Robert Beard, P.E.

G. OTHER

1. This NOA revises **#15-0413.05**, expiring 06/12/2017.
2. Test proposal # **07-3001-R** dtd 10-23-07 by BCCO & T.P.# **16-1527** dtd 12/22/16, app by RER.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-1208.08
Expiration Date: June 12, 2023
Approval Date: January 06, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Previous Evidence submitted.

A. DRAWINGS

1. Drawing No. **W09-58**, titled “Series 560 Alum Sliding Glass Door – LMI”, sheets 1 through 13 of 13, including sheets 2.1, 3.1, 6.1 and 9.1, dated 11/10/09, prepared by Al-Farooq Corporation, with latest revision “G” dated 04/24/18, signed and sealed by Javad Ahmad, P. E.

B. TESTS (submitted under # 17-1226.01)

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
 - 4) Small Missile Impact Test per FBC, TAS 201–94
 - 5) Large Missile Impact Test per FBC, TAS 201–94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203–94
 - 7) Forced Entry Test, per FBC, TAS 202–94

along with marked-up drawings and installation diagram of an aluminum SGD, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-9547**, dated 06/19/17, signed and sealed by Idalmis Ortega, P. E.

C. CALCULATIONS (Submitted under previous NOA No. 17-1226.01)

1. Anchor verification calculations and structural analysis, complying with **FBC-2017, 6th edition**, dated 12/11/17, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0423.15** issued to Eastman Chemical Company (MA). for their “**Saflex CP- Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 06/19/2014, expiring on 12/11/2018.
2. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. for their “**SentryGlas (Clear and White) Glass Interlayers**” dated 12/28/17, expiring on 07/04/2023.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the **FBC-2017, 6th edition**, dated 11/15/17, signed and sealed by Javad Ahmad, P. E.

G. OTHER

1. This NOA **revises and renews** NOA # **17-0307.07**, expiring on 06/12/23.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-1208.08
Expiration Date: June 12, 2023
Approval Date: January 06, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence under previous submitted.

A. DRAWINGS

1. Drawing No. **18-101D Rev A**, titled Series “560 Aluminum Sliding Glass Door (LMI)”, sheets 1 through 13 (inclusive 2.1, 3.1 and 9.1) of 13, prepared by Al-Farooq Corporation, dated 11/10/09 and last revised on AUG 22, 2019, signed and sealed by Javad Ahmad, P. E.

B. TESTS (submitted under file #18-1108.05 PLA)

1. REF Test reports on:
 - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings of an aluminum SGD, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 19-936**, dated 04/15/19, signed and sealed by Idalmis Ortega, P. E.

2. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Water Resistance Test, per FBC, TAS 202-94
 - 3) Uniform Static Air Pressure Test, Loading 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, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum 3-Tracks (6-panels) Alum SGD W/pockets, prepared by Fenestration Testing Lab, Inc., Test Reports No. **FTL-9547** dated 07/05/17, signed and sealed by Idalmis Ortega, P.E.

along with marked-up drawings and installation diagram of an aluminum 3-Tracks (6-panels) Alum SGD W/pockets, prepared by HTL, Inc., Test Reports No. **HTL-0080-0707-09** dated 11/10/14, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS (submitted under #17-1226.01)

1. Supplement anchor verification calculation for wider panel, prepared by Al-Farooq Corp. dated 05/29/19, signed and sealed by Javad Ahmad, P.E. (submitted under file #18-1108.05 PLA)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA) (former Solutia, Inc.) for their “**Saflex CP- Saflex and Saflex HP Composite Glass Interlayers with PET Core**”, expiring on 12/11/2023.
2. NOA No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for their “**SentryGlas (Clear and White) Glass Interlayers**”, expiring on 07/04/2023.

F. STATEMENTS

1. Statement letter of conformance to **FBC 6th Edition (2017)**, and of no financial interest, dated 08/22/19, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Private label Agreement dated 09/05/2018 between CGI Windows and Doors, Inc. and Windor, Inc., signed by Dean M. Ruark, P.E. (V.P. CGI) & Dean M. Ruark, P.E. (V.P. CGI) respectively.

G. OTHER

1. This NOA revises NOA # **18-1108.05 (PLA)**, expiring 06/12/2023.
2. Test proposal # **19-0219** dated March 13, 2019, approved by RER.
3. Reference NOA # **18-1108.05** (CGI Windows and Doors, Inc.).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-1208.08
Expiration Date: June 12, 2023
Approval Date: January 06, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence under previous submitted

A. DRAWINGS

1. Manufacturer's die drawings and sections (*See NOA #20-0729.02*)
2. Drawing No. 560-3T-LM-NOA, titled Series "560 Aluminum Sliding Glass Door -3T (LMI)", sheets 1 through 17 of 17, prepared by manufacturer, dated 06/10/20, signed and sealed by Anthony 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 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 7th Edition (2020)**, dated 07/20/20, prepared by manufacturer, signed and sealed by Anthony 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. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**", expiring on 07/04/23.
2. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA) (former Solutia, Inc.) for their "**Saflex CP- Saflex and Saflex HP Composite Glass Interlayers with PET Core**", expiring on 12/11/2023.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-1208.08
Expiration Date: June 12, 2023
Approval Date: January 06, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letters of conformance to FBC 2020(7th Edition), dated 07/20/20, prepared, signed & 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 07/20/20, signed and sealed by A. Lynn Miller, P.E.

G. OTHERS

1. This NOA **revises** NOA No. **18-0926.10**, issued to Windoor, Inc. for their Series “560” Aluminum Sliding Glass Door (3-tracks) w/ wo Reinforcements – L.M.I., approved on 08/29/19 and expiring on 06/12/23.
2. Notice of Acceptance No. **20-0729.02**, issued to CGI Windows and Doors, Inc. for their Series “560” Aluminum Sliding Glass Door (3-tracks) w/ wo Reinforcements – L.M.I., approved on 11/05/2020 and expiring on 06/12/23.
3. Private labeling agreement between WinDoor, Inc. and CGI Windows and Doors, Inc. document in conformance of RER guideline dated 09/12/2018. (*Submitted under NOA #18-1108.05*)

5. New Evidence submitted

A. DRAWINGS

1. Drawing No. **560-3T-LM-NOA Rev B**, titled Series “560 SGDA Alum Sliding Glass Door -3T (LMI)”, sheets 1 through 17 of 17, prepared by manufacturer, dated 06/10/20 and last revised on 11/30/21, signed and sealed by Lynn A. Miller, P. E.

B. TESTS

1. None.

C. CALCULATIONS (submitted under NOA # 20-0729.08)

1. Anchor verification calculations & structural analysis, complying with **FBC 7th Edition (2020)**, dated 07/20/20, 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. As listed on sheet E-4.

F. STATEMENTS

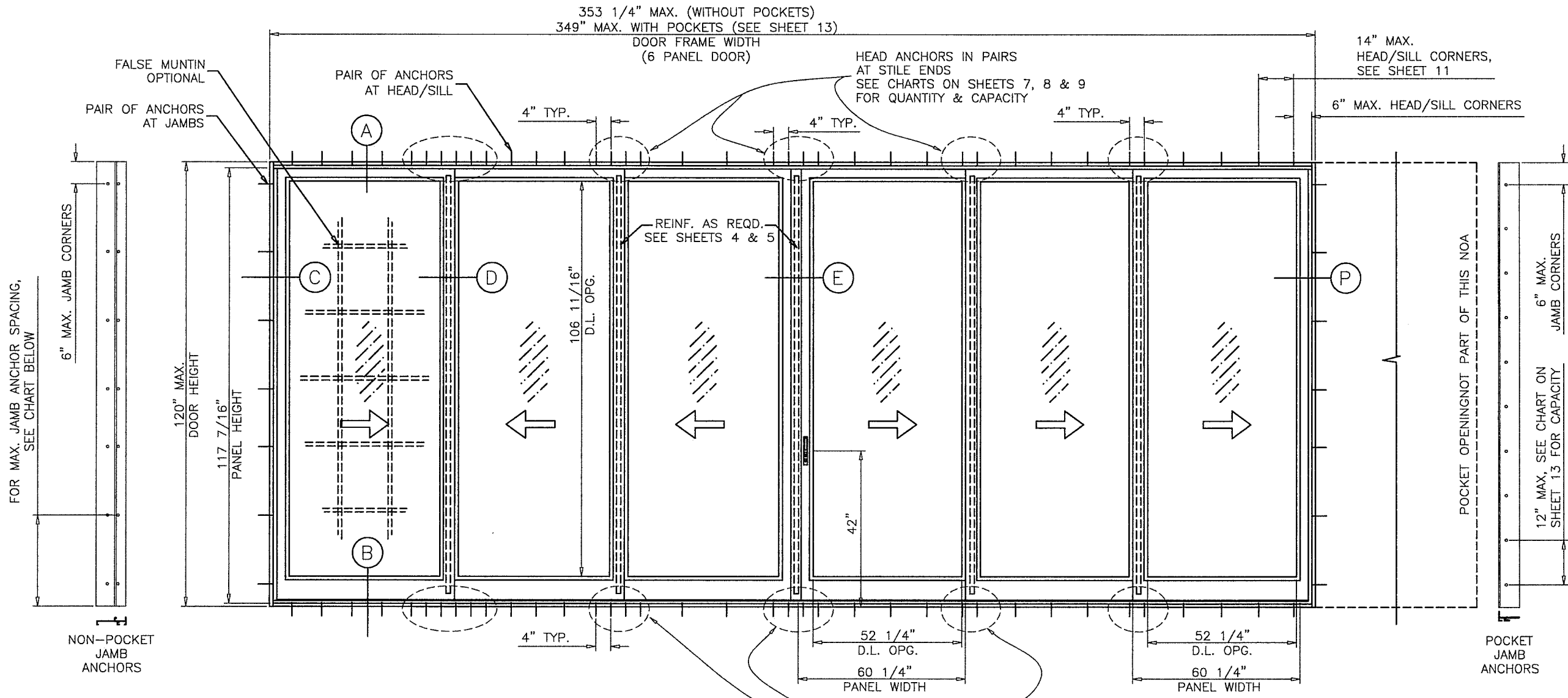
1. Statement letters of conformance to FBC 2020(7th Edition), dated 12/15/21, prepared, signed & sealed by Lynn Miller, P. E.
2. Private label Agreement dated 09/05/2018 between CGI Windows and Doors, Inc. and Windoor, Inc., signed by Dean M. Ruark, P.E. (V.P. CGI) and Dean M. Ruark, P.E. (V.P. CGI) respectively (*Submitted under NOA #18-1108.05*)

G. OTHER

1. This NOA **revises** NOA # **20-0729.08**, expiring 06/12/2023.
2. Reference NOA # **21-1208.06** (CGI Windows and Doors, Inc. expiring on 06/12/23).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-1208.08
Expiration Date: June 12, 2023
Approval Date: January 06, 2022



**SERIES SGD560A ALUMINUM SLIDING GLASS DOOR
3-TRACK, LARGE & SMALL MISSILE**

- 1) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 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 2020 FLORIDA BUILDING CODE & 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.

TYPICAL ELEVATION
ALTERNATE SIZE UNITS: SEE SHEETS 2 & 3

INSTRUCTIONS: USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** DETERMINE DOOR CAPACITY FROM TABLES ON SHEETS 4 & 5 FOR THE GLASS TYPE AND REINFORCING TO USE.
- STEP 3** USING CHARTS ON SHEETS 7, 8 & 9 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** (IF REQUIRED) FOR SIDE BY SIDE DOORS WITH VERTICAL MULLION SELECT 2X6 OR 2X8 TUBE FROM CHART ON SHEET 14 WITH LOAD RATING HIGHER THAN REQUIRED. SELECT ANCHORS AS PER STEP 3.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

MAX. JAMB ANCHOR SPACINGS (NON-POCKET)				
SHIM SPACE	ANCHOR TYPE			
	'A' & 'B'	'C'	'D' & 'E'	'AA' & 'BB'
1/4"	18-1/2"	18-1/2"	18-1/2"	18-1/2"
3/8"	18-1/2"	-	18-1/2"	18-1/2"
1/2"	9-1/4"	-	9-1/4"	18-1/2"

D.L. OPENING
D.L.O HEIGHT = DOOR HEIGHT - 13 5/16"
D.L.O. WIDTH = PANEL WIDTH - 8"
THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

**LAMINATED GLASS AND LAMINATED INSULATING GLASS
LARGE/SMALL MISSILE IMPACT**

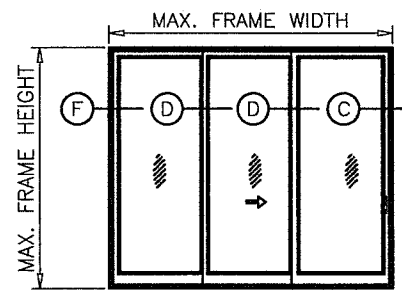
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-1208.08
Expiration Date 06/12/2023
By *Isaac I. Chanda*
Miami-Dade Product Control

Revision:
CORRECTED HEADINGS & DESIGN PRESSURE VALUES IN TABLES. - JR - 11/30/21

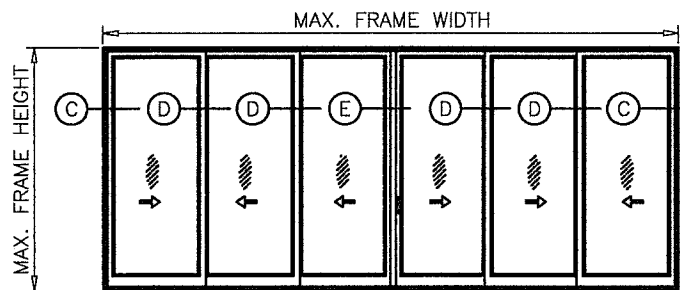
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	Date	06/10/2020	By J ROSOWSKI	No. 560-3T-LM-NOA	DWG	1 OF 17	Sheet
	REGISTRATION #29296						
WINDOOR® INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)		ELEVATION AND GENERAL NOTES		3-TRACK, LMI		Contig
	SGD560A						Series

ANTHONY LYNN MILLER
LICENSE
No. 58705
Anthony Lynn Miller
11/30/21
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

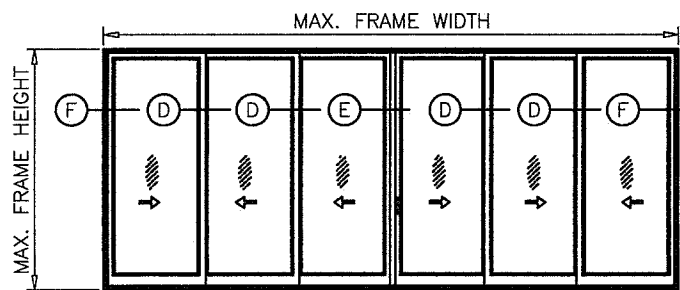
APPROVED CONFIGURATIONS
NON-POCKETED DOORS



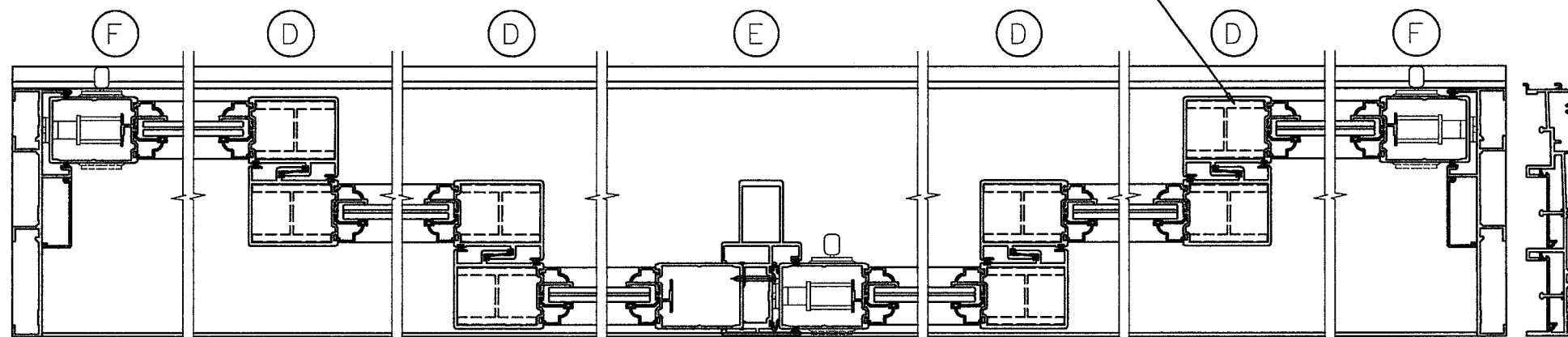
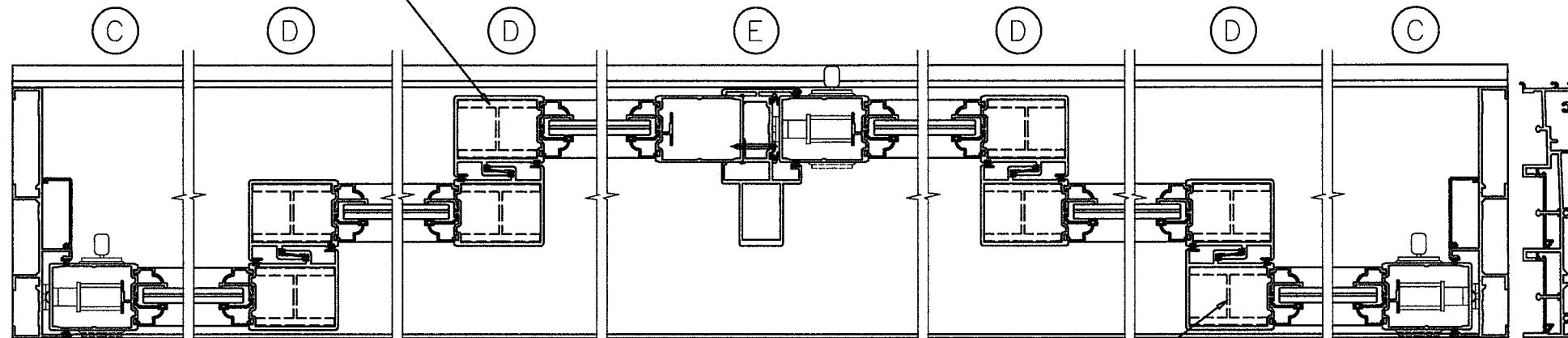
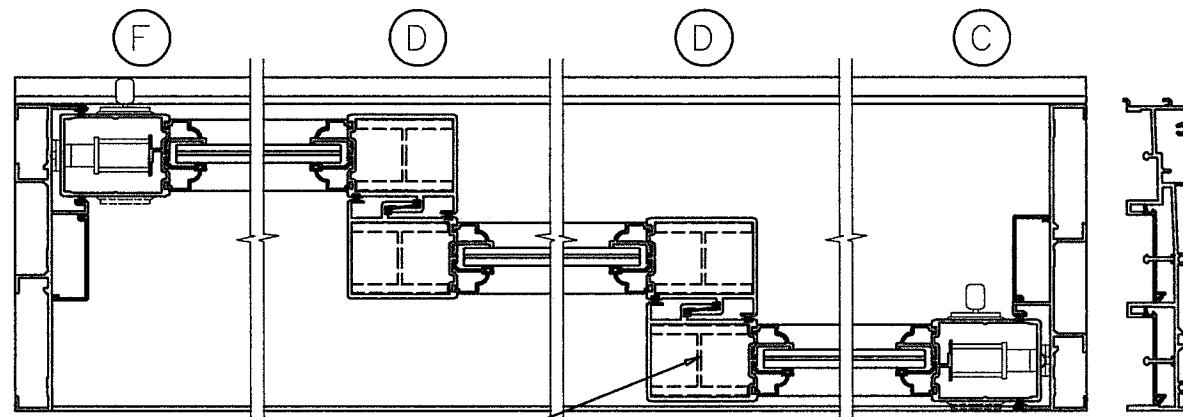
XXX (SHOWN)
OXX
XXO



XXXXXX (SHOWN)
OXXXXO



XXXXXX (SHOWN)
OXXXXO



Over-all Door Frame Width based on Panel Width

Panel Width	3 Panel Door Frame Width	6 Panel Door Frame Width
24 1/4"	69 1/4"	137 1/2"
30 1/4"	87 1/4"	173 1/2"
36 1/4"	105 1/4"	209 1/2"
42 1/4"	123 1/4"	245 1/2"
48 1/4"	141 1/4"	281 1/2"
54 1/4"	159 1/4"	317 1/2"
60 1/4"	177 1/4"	353 1/2"

MAXIMUM DOOR HEIGHT = 120"

Formula to convert Door Width to Panel Width

For 3 Panel Doors: $(\text{Door Width} + 3 \frac{1}{2}) / 3 = \text{Panel Width}$
For 6 Panel Doors: $(\text{Door Width} + 8) / 6 = \text{Panel Width}$

Formula to convert Panel Width to Door Width

For 3 Panel Doors: $\text{Panel Width} \times 3 - 3 \frac{1}{2} = \text{Door Width}$
For 6 Panel Doors: $\text{Panel Width} \times 6 - 8 = \text{Door Width}$

Panel Height Formula

Door Height - $2 \frac{9}{16}$ " = Panel Height

MAX. FRAME DOOR AREA NOT TO EXCEED:
441.25 SQ. FT. FOR LOADS UPT TO 105 PSF
351.56 SQ. FT. FOR LOADS ABOVE 105 PSF

D.L. OPENING
D.L.O HEIGHT = DOOR HEIGHT - $13 \frac{5}{16}$ "
D.L.O. WIDTH = PANEL WIDTH - 8"

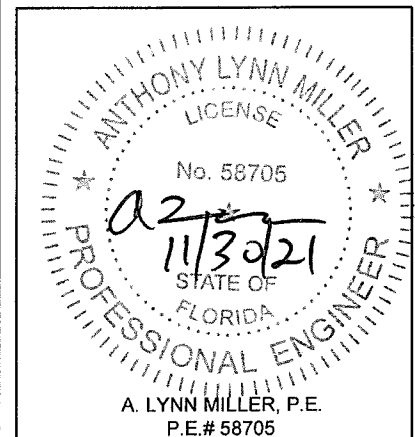
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-1208.08

Expiration Date 06/12/2023

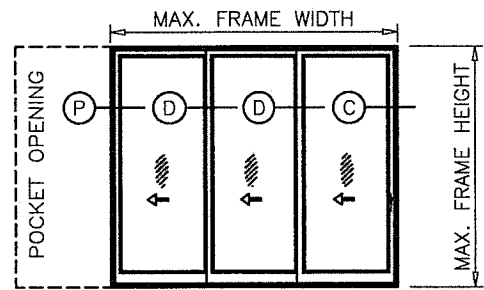
By *Ishag I. Chande*
Miami-Dade Product Control

Revision:

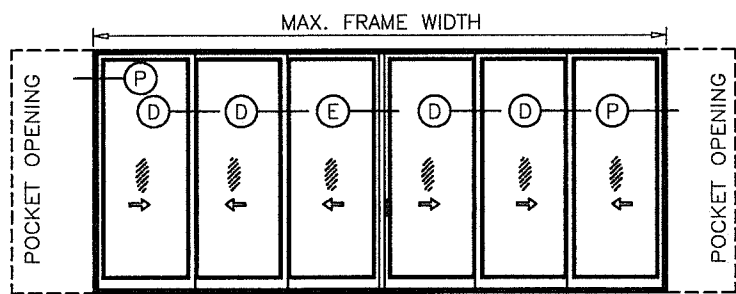
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	Rev.	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	By	J ROSOWSKI	DWG	560-3T-LM-NOA
WINDOOR [®] INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	X-SECTIONS, NON-POCKETED	Sheet	2 OF 17	Contig.	SGD560A
		3-TRACK, LMI			



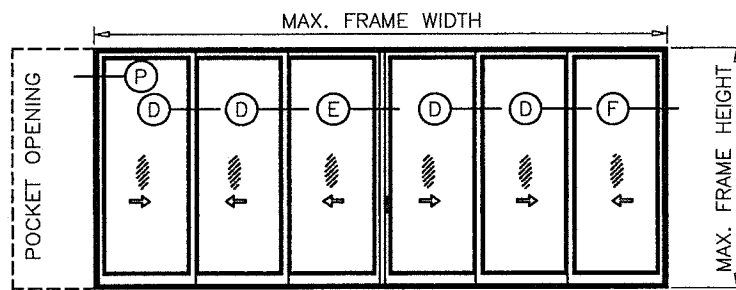
APPROVED CONFIGURATIONS
POCKETED DOORS



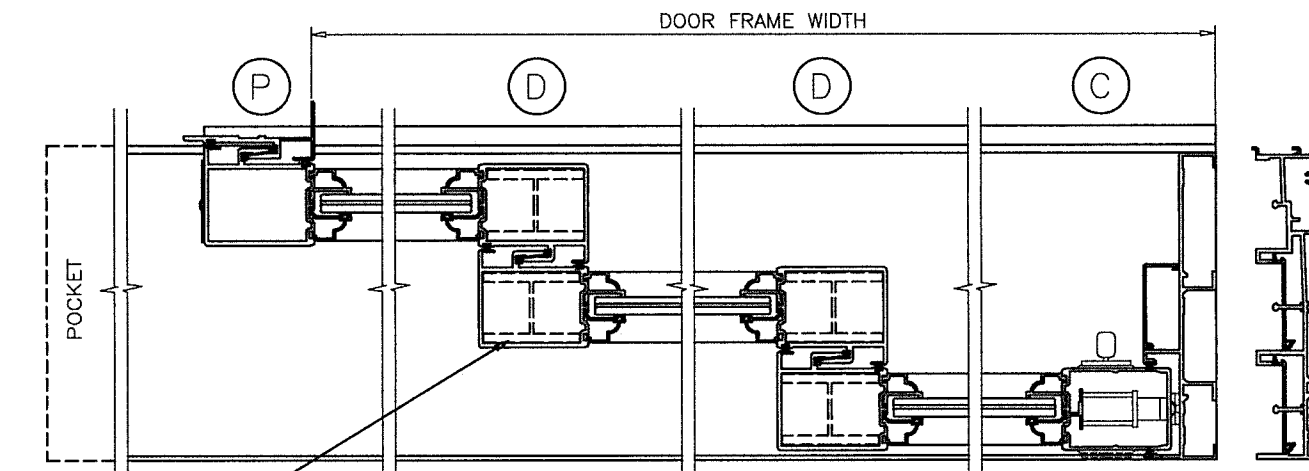
PXXX(SHOWN)
XXXXP



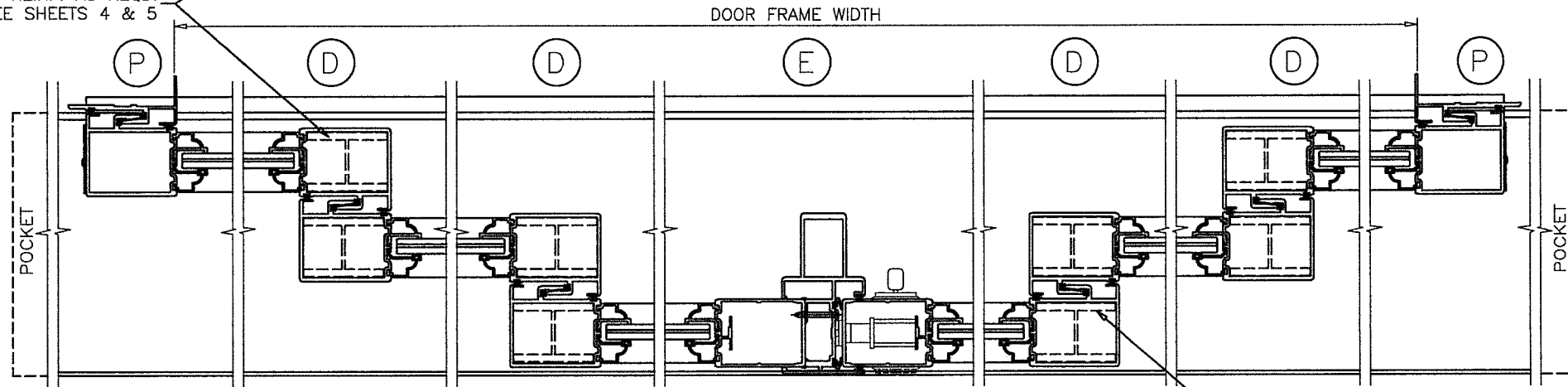
PXXXXXXP (SHOWN)



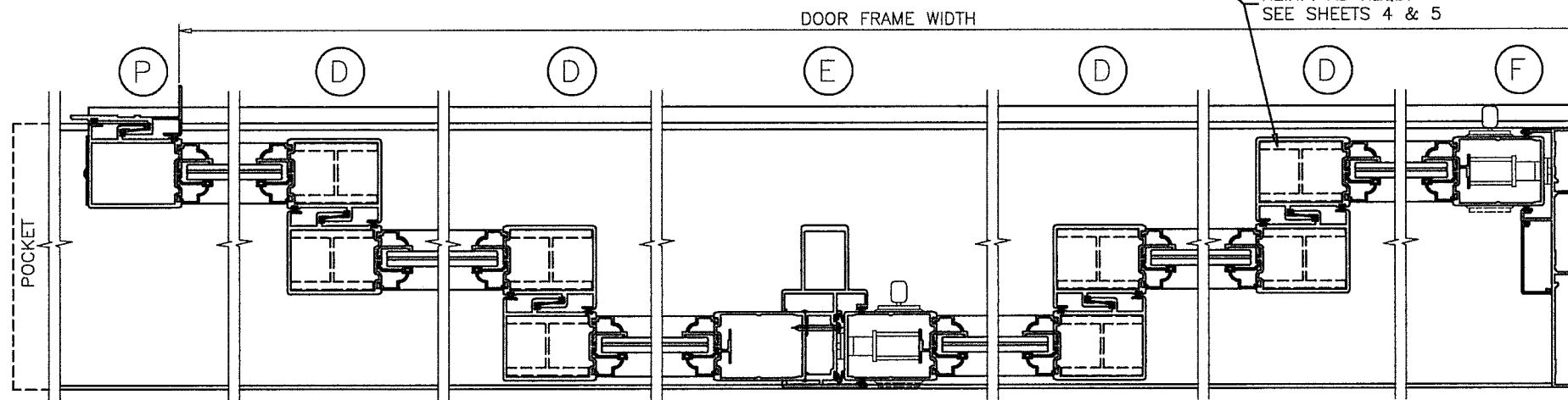
PXXXXXX(SHOWN), XXXXXXXP
PXXXXXO, OXXXXXP



REINF. AS REQ.
SEE SHEETS 4 & 5



REINF. AS REQ.
SEE SHEETS 4 & 5



Over-all Door Width based on Panel Width

Panel Width	PXXX, XXXP Door Width	PXXXXXP Door Width	PXXXXX Door Width
24 1/4"	65 1/4"	129 3/8"	133 7/16"
30 1/4"	83 1/4"	165 3/8"	169 7/16"
36 1/4"	101 1/4"	201 3/8"	205 7/16"
42 1/4"	119 1/4"	237 3/8"	241 7/16"
48 1/4"	137 1/4"	273 3/8"	277 7/16"
54 1/4"	155 1/4"	309 3/8"	313 7/16"
60 1/4"	173 1/4"	345 3/8"	349 7/16"

MAXIMUM DOOR HEIGHT = 120"

Formula to convert Door Width to Panel Width

For PXXX: $(\text{Door Width} + 7 \frac{1}{2}) / 3 = \text{Panel Width}$
 For PXXXXXP: $(\text{Door Width} + 16 \frac{1}{8}) / 6 = \text{Panel Width}$
 For PXXXXX: $(\text{Door Width} + 12 \frac{1}{16}) / 6 = \text{Panel Width}$

Formula to convert Panel Width to Door Width

For PXXX: $\text{Panel Width} \times 3 - 7 \frac{1}{2} = \text{Door Width}$
 For PXXXXXP: $\text{Panel Width} \times 6 - 16 \frac{1}{8} = \text{Door Width}$
 For PXXXXX: $\text{Panel Width} \times 6 - 12 \frac{1}{16} = \text{Door Width}$

Panel Height Formula

Door Height - $2 \frac{9}{16}$ " = Panel Height

MAX. FRAME DOOR AREA NOT TO EXCEED:
 441.25 SQ. FT. FOR LOADS UPTO 105 PSF
 351.56 SQ. FT. FOR LOADS ABOVE 105 PSF

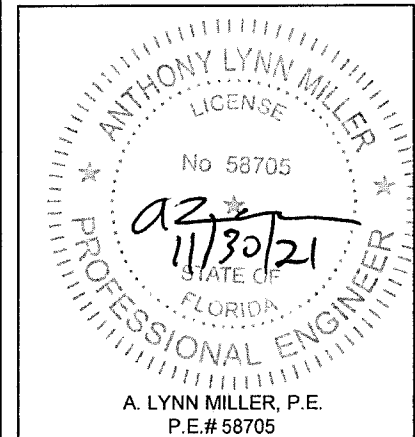
D.L. OPENING

D.L.O HEIGHT = DOOR HEIGHT - $13 \frac{5}{16}$ "
 D.L.O. WIDTH = PANEL WIDTH - 8"

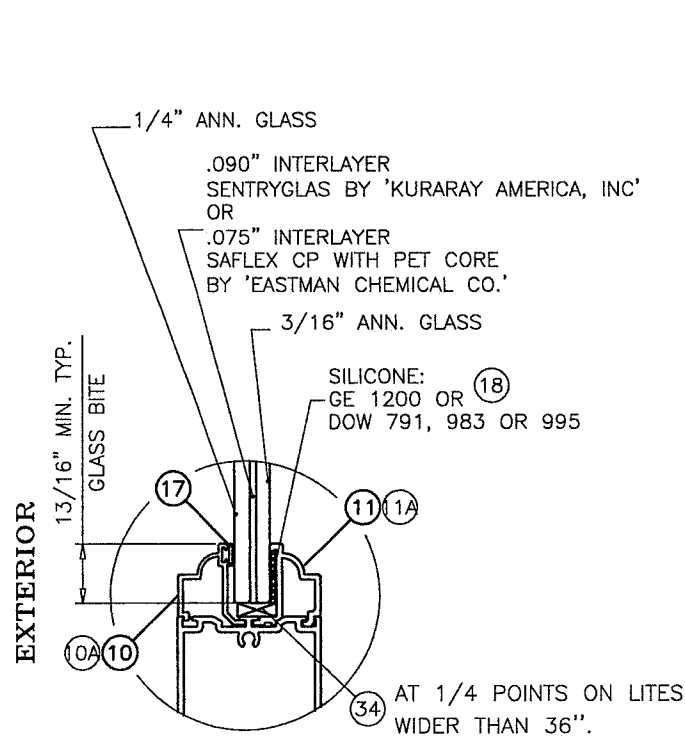
PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 21-1208.08
 Expiration Date 06/12/2023
 By Ishtag I. Chanda
 Miami-Dade Product Control

Revision:

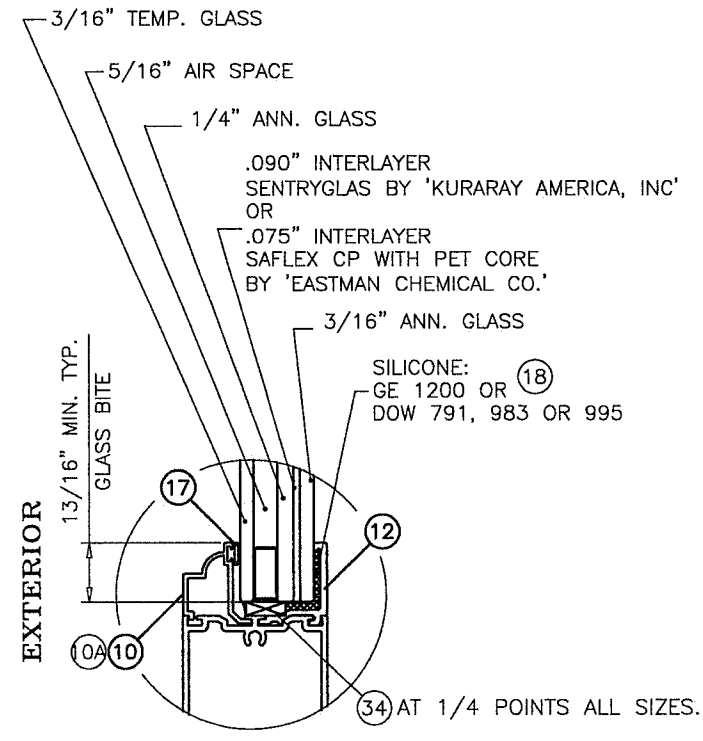
PREPARED BY A LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	Rev.	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	By	J ROSOWSKI	DWG No.	560-3T-LM-NOA
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	X-SECTIONS - POCKETED	Sheet	3 OF 17	Config	SGD560A
	3-TRACK, LMI	Series Desc.			



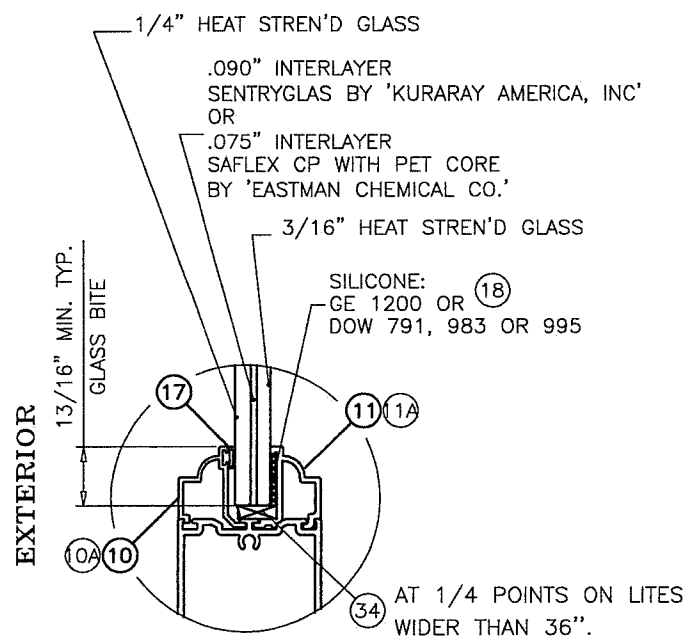
GLAZING OPTIONS



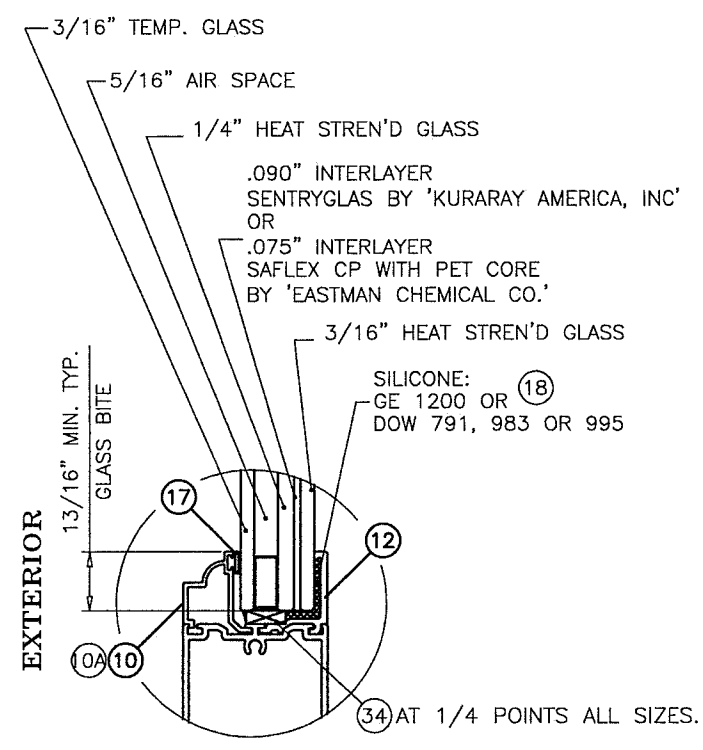
GLASS TYPE '1'



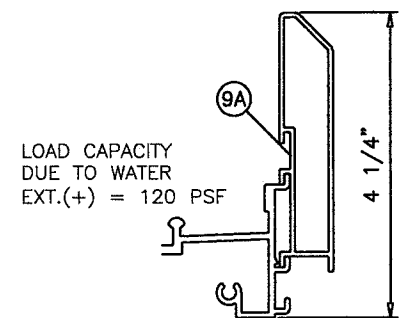
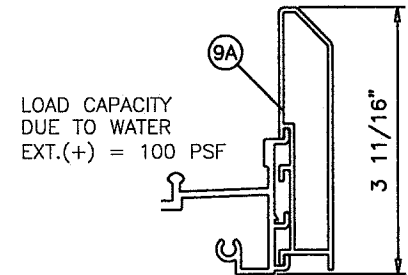
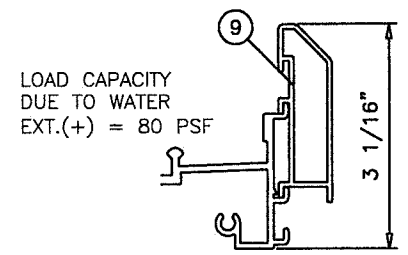
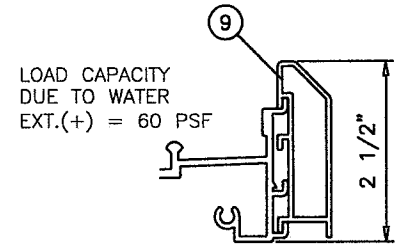
GLASS TYPE '1A'



GLASS TYPE '2' (W/SENTRYGLAS INTERLAYER)
GLASS TYPE '2.1' (W/SAFLEX CP INTERLAYER)



GLASS TYPE '2A'



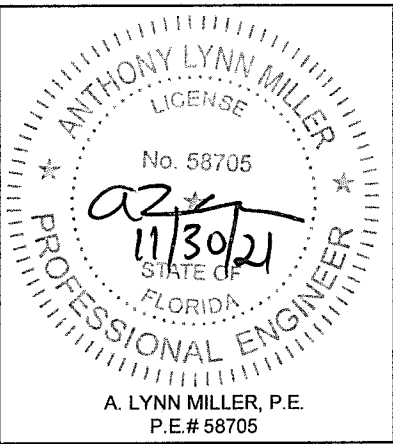
LOAD CAPACITIES SHOWN IN CHARTS ON SHEETS 4 & 5 ARE FOR DOORS USING 4-1/4" SILL HEIGHTS. FOR DOORS USING LOWER SILL HEIGHTS LIMIT EXTERIOR(+) LOADS AS SHOWN ABOVE.

NOTE:
 3/16" AND 1/4" PIECES OF GLASS ON THE 1/2" LAMINATED UNIT ARE INTERCHANGEABLE
 (EX: 3/16" + 1/4" OR 1/4" + 3/16") LIMIT MAX PANEL AREA TO 40.2 SQ. FT.
 FOR PANEL AREAS > 40.2 SQ. FT. LAMINATED PLIES MUST BE 1/4" + 3/16" (AS SHOWN IN DETAILS).

PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. 21-1208.08
 Expiration Date 06/12/2023
 By *Ishtag I. Chanda*
 Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	Rev.	B
		By	J ROSOWSKI	DWG No.	560-3T-LM-NOA
WINDOOR® INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	Sheet	6 OF 17		
	GLAZING DETAILS	Config	3-TRACK, LMI		
		Series Desc.	SGD560A		



DESIGN LOAD CAPACITY - PSF (ANCHORS AT HEAD/SILL)												
PANEL WIDTH (INCHES)	DOOR HEIGHT (INCHES)	ANCH. TYPE AA		ANCH. TYPE BB		ANCH. TYPE AA & BB			ANCHORS TYPE AA & BB			
		1/4" SHIM		1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE			
		CLUSTER OF		CLUSTER OF		CLUSTER OF			CLUSTER OF			
		4	6	4	6	4	6	8	6	8	10	12
24-1/4	80	170.0	170.0	170.0	170.0	155.0	170.0	170.0	170.0	170.0	170.0	--
30-1/4		163.3	170.0	170.0	170.0	124.3	170.0	170.0	146.8	170.0	170.0	--
36-1/4		170.0	170.0	170.0	170.0	155.6	170.0	170.0	163.3	170.0	170.0	170.0
42-1/4		159.9	159.9	159.9	159.9	133.5	159.9	159.9	140.1	159.9	159.9	159.9
48-1/4		140.0	140.0	140.0	140.0	116.9	140.0	140.0	122.7	140.0	140.0	140.0
54-1/4		124.5	124.5	124.5	124.5	104.0	124.5	124.5	109.1	124.5	124.5	124.5
60-1/4		112.1	112.1	112.1	112.1	93.6	112.1	112.1	98.3	112.1	112.1	112.1
24-1/4	84	170.0	170.0	170.0	170.0	147.7	170.0	170.0	170.0	170.0	170.0	--
30-1/4		155.5	170.0	170.0	170.0	118.4	170.0	170.0	139.8	170.0	170.0	--
36-1/4		170.0	170.0	170.0	170.0	148.2	170.0	170.0	155.6	170.0	170.0	170.0
42-1/4		159.9	159.9	159.9	159.9	127.1	159.9	159.9	133.5	159.9	159.9	159.9
48-1/4		140.0	140.0	140.0	140.0	111.3	140.0	140.0	116.9	140.0	140.0	140.0
54-1/4		124.5	124.5	124.5	124.5	99.0	124.5	124.5	104.0	124.5	124.5	124.5
60-1/4		112.1	112.1	112.1	112.1	89.1	112.1	112.1	93.6	112.1	112.1	112.1
24-1/4	90	170.0	170.0	170.0	170.0	137.8	170.0	170.0	162.8	170.0	170.0	--
30-1/4		145.1	170.0	170.0	170.0	110.5	165.7	170.0	130.5	170.0	170.0	--
36-1/4		170.0	170.0	170.0	170.0	138.3	170.0	170.0	145.2	170.0	170.0	170.0
42-1/4		159.9	159.9	159.9	159.9	118.7	158.2	159.9	124.6	155.7	159.9	159.9
48-1/4		136.5	140.0	140.0	140.0	103.9	138.5	140.0	109.1	136.4	140.0	140.0
54-1/4		121.4	124.5	124.5	124.5	92.4	123.2	124.5	97.0	121.3	124.5	124.5
60-1/4		109.3	112.1	112.1	112.1	83.2	110.9	112.1	87.4	109.2	112.1	112.1
24-1/4	96	169.7	170.0	170.0	170.0	129.2	170.0	170.0	152.6	170.0	170.0	--
30-1/4		136.1	170.0	159.5	170.0	103.6	155.4	170.0	122.3	163.1	170.0	--
36-1/4		170.0	170.0	170.0	170.0	129.6	170.0	170.0	136.1	170.0	170.0	170.0
42-1/4		146.1	159.9	159.9	159.9	111.2	148.3	159.9	116.8	146.0	159.9	159.9
48-1/4		128.0	140.0	140.0	140.0	97.4	129.9	140.0	102.3	127.8	140.0	140.0
54-1/4		113.8	124.5	124.5	124.5	86.6	115.5	124.5	91.0	113.7	124.5	124.5
60-1/4		102.5	112.1	112.1	112.1	78.0	104.0	112.1	81.9	102.4	112.1	112.1
24-1/4	102	140.0	140.0	140.0	140.0	121.6	140.0	140.0	140.0	140.0	140.0	--
30-1/4		128.1	140.0	140.0	140.0	97.5	140.0	140.0	115.1	140.0	140.0	--
36-1/4		140.0	140.0	140.0	140.0	122.0	140.0	140.0	128.1	140.0	140.0	140.0
42-1/4		137.5	140.0	140.0	140.0	104.7	139.6	140.0	109.9	137.4	140.0	140.0
48-1/4		120.4	140.0	140.0	140.0	91.7	122.2	140.0	96.3	120.3	140.0	140.0
54-1/4		107.1	124.5	124.5	124.5	81.5	108.7	124.5	85.6	107.0	124.5	124.5
60-1/4		96.4	105.0	105.0	105.0	73.4	97.9	105.0	77.1	90.0	105.0	105.0
24-1/4	108	140.0	140.0	140.0	140.0	114.8	140.0	140.0	135.7	140.0	140.0	--
30-1/4		120.9	140.0	140.0	140.0	92.1	138.1	140.0	108.7	140.0	140.0	--
36-1/4		140.0	140.0	140.0	140.0	115.2	140.0	140.0	121.0	140.0	140.0	140.0
42-1/4		129.9	140.0	140.0	140.0	98.9	131.8	140.0	103.8	129.8	140.0	140.0
48-1/4		113.7	140.0	133.3	140.0	86.6	115.4	140.0	90.9	113.6	136.4	140.0
54-1/4		101.2	105.0	105.0	105.0	77.0	102.7	105.0	80.9	90.0	105.0	105.0
60-1/4		91.1	105.0	105.0	105.0	69.3	92.5	105.0	72.8	90.0	105.0	105.0
24-1/4	114	140.0	140.0	140.0	140.0	108.8	140.0	140.0	128.5	140.0	140.0	--
30-1/4		114.6	140.0	134.3	140.0	87.2	103.8	140.0	103.0	137.4	140.0	--
36-1/4		140.0	140.0	140.0	140.0	109.2	140.0	140.0	114.6	140.0	140.0	140.0
42-1/4		123.1	140.0	140.0	140.0	93.7	124.9	140.0	98.3	122.9	140.0	140.0
48-1/4		107.8	140.0	126.3	140.0	82.0	109.4	136.7	86.1	107.6	129.2	140.0
54-1/4		95.8	105.0	105.0	105.0	73.0	97.3	105.0	76.6	90.0	105.0	105.0
60-1/4		86.3	105.0	101.1	105.0	65.7	87.6	105.0	69.0	86.2	103.5	105.0
24-1/4	120	135.8	140.0	140.0	140.0	103.4	140.0	140.0	122.1	140.0	140.0	--
30-1/4		108.9	140.0	127.6	140.0	82.9	124.3	140.0	97.9	130.5	140.0	--
36-1/4		136.3	140.0	140.0	140.0	103.7	138.3	140.0	108.9	136.1	140.0	140.0
42-1/4		116.9	140.0	137.0	140.0	89.0	118.7	140.0	93.4	116.8	140.0	140.0
48-1/4		102.4	136.5	120.0	140.0	77.9	103.9	129.9	81.8	102.3	122.7	140.0
54-1/4		91.0	105.0	105.0	105.0	69.3	92.4	105.0	72.8	90.0	105.0	105.0
60-1/4		82.0	105.0	96.1	105.0	62.4	83.2	104.0	65.5	81.9	98.3	105.0

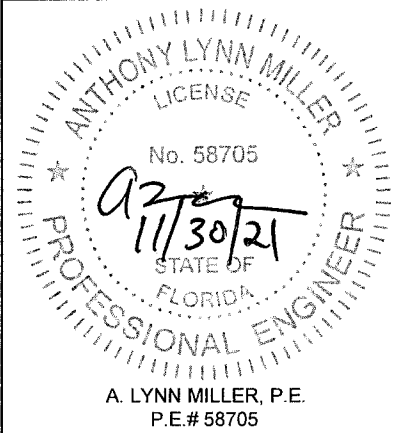
INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ACCEPTABLE

NOTE:
SEE SHEET 10 FOR ANCHOR TYPES AND DETAILS.
ANCHOR CAPACITIES LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH GLASS/REINFORCING AND MULLION CHARTS IN THIS DOCUMENT.
LOWER APPLICABLE VALUES CONTROL.

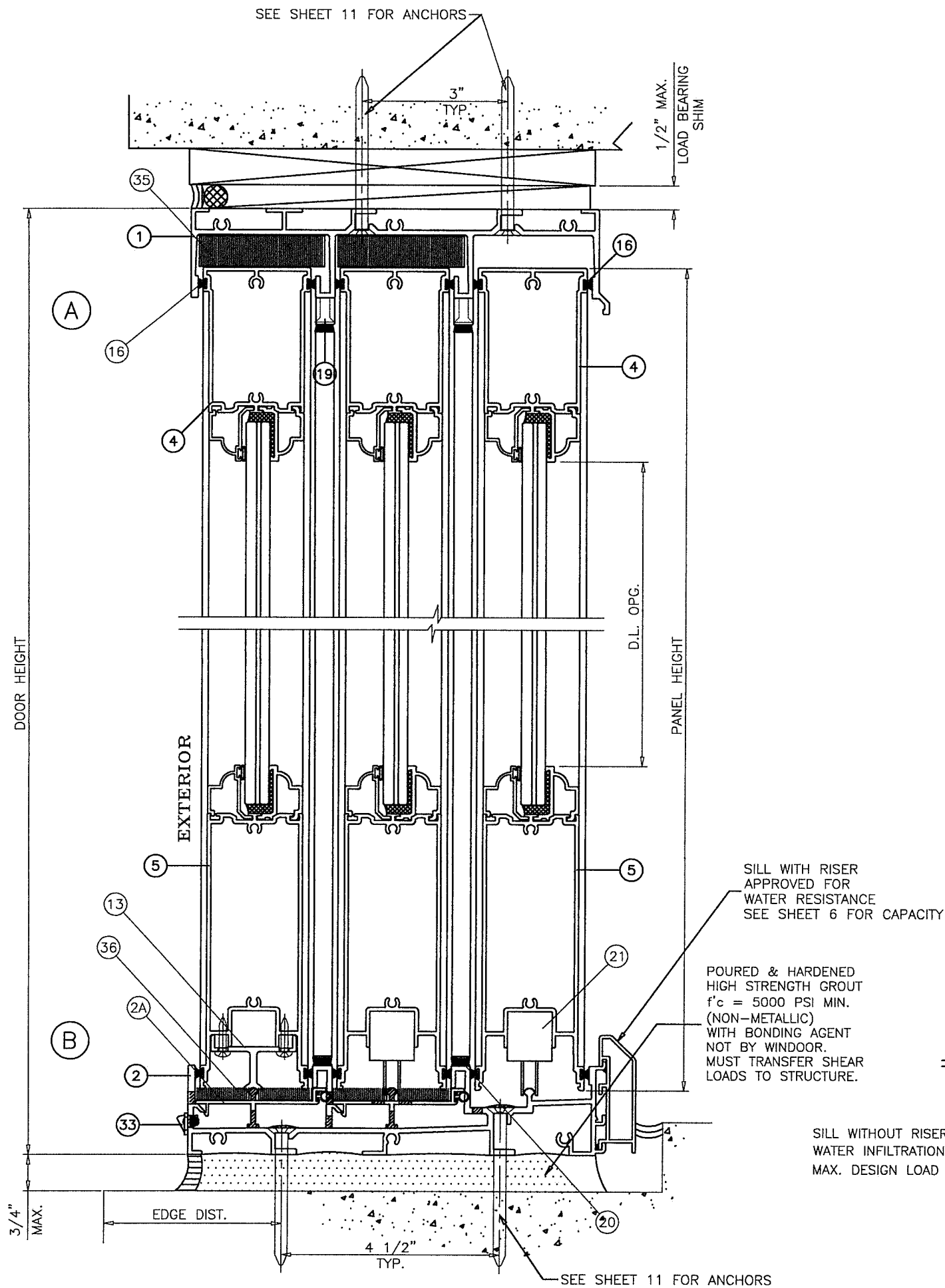
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-1208.08
Expiration Date 06/12/2023
By Ishag I. Chande
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	J ROSOWSKI	Rev	B			
		Drawn By	J ROSOWSKI						
		No.	560-3T-LM-NOA						
 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	DP PER ANCHORS AND SHIM SPACE	9 OF 17	Sheet	9 OF 17	DWG			
							SGD560A	3-TRACK, LMI	Config



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



SEE SHEET 11 FOR ANCHORS

1/2" MAX.
LOAD BEARING SHIM

D.L. OPG.
PANEL HEIGHT

DOOR HEIGHT

EXTERIOR

SILL WITH RISER APPROVED FOR WATER RESISTANCE SEE SHEET 6 FOR CAPACITY

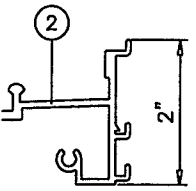
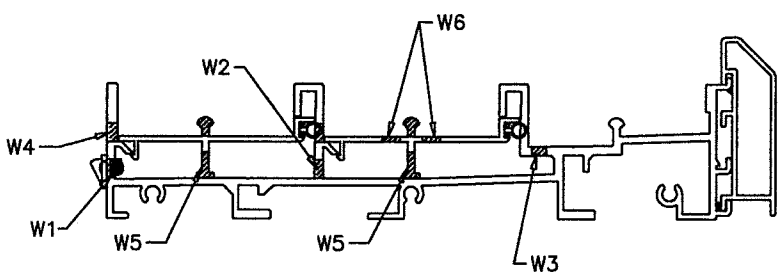
POURED & HARDENED HIGH STRENGTH GROUT f'c = 5000 PSI MIN. (NON-METALLIC) WITH BONDING AGENT NOT BY WINDOOR. MUST TRANSFER SHEAR LOADS TO STRUCTURE.

SILL WITHOUT RISER NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. MAX. DESIGN LOAD FOR THIS SILL IS THE SAME AS 4-1/4" RISER.

SEE SHEET 11 FOR ANCHORS

WEEPS:

- W1 = .30" X 1-5/8" WEEP SLOTS WITH PLASTIC COVER AT 9" FROM EACH END AND ±48" O.C.
- W2 = 1/4" X 2" WEEP SLOTS AT 4" FROM EACH END AND ±12" O.C.
- W3 = 1/4" X 5/8" WEEP HOLES AT 9" FROM EACH END AND ±48" O.C.
- W4 = 1/4" X 2" WEEP SLOTS AT 4" FROM EACH END AND ±12" O.C.
- W5 = .35" X 5/8" WEEP HOLES AT ±18" O.C.
- W6 = 1/4" X 5/8" WEEP HOLES AT ±18" O.C.



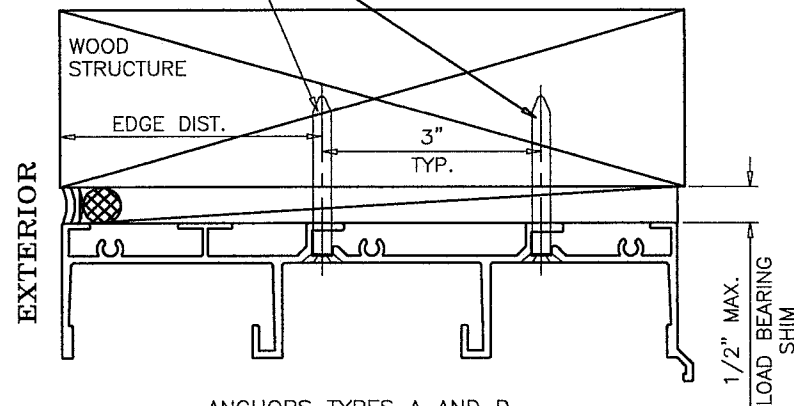
1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES, NOT BY WINDOOR AND MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-1208.08
Expiration Date 06/12/2023
By *Ismael L. Chanda*
Miami-Dade Product Control

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	DATE	06/10/2020	BY	J ROSOWSKI	DWG No	560-3T-LM-NOA	Rev	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	INSTALLATION DETAILS	3-TRACK, LMI	10 OF 17	10 OF 17	Sheet	10 OF 17	DWG	560-3T-LM-NOA
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	SGD560A	3-TRACK, LMI	INSTALLATION DETAILS	10 OF 17	10 OF 17	Sheet	10 OF 17	DWG	560-3T-LM-NOA

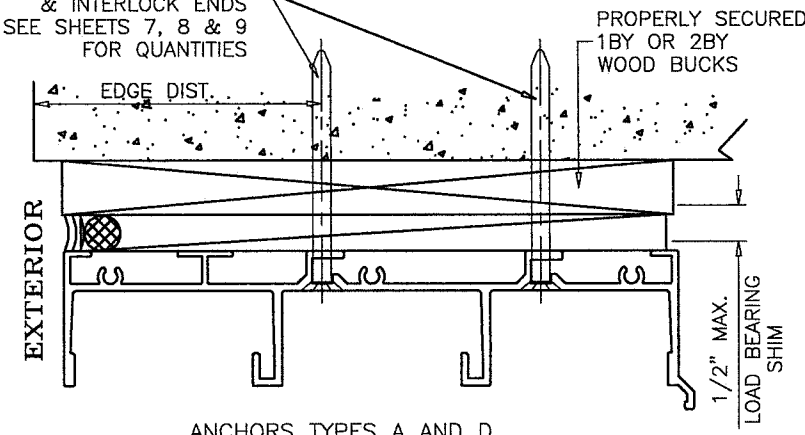
ANTHONY LYNN MILLER
LICENSE
No. 58705
a2 11/30/21
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TYPICAL ANCHORS IN CLUSTERS AT MTG. STILE & INTERLOCK ENDS SEE SHEETS 7, 8 & 9 FOR QUANTITIES



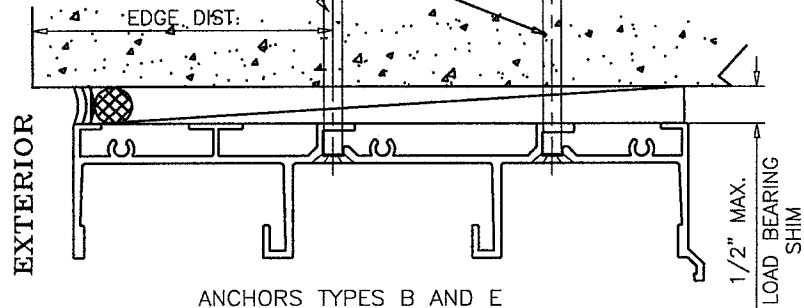
ANCHORS TYPES A AND D INTO WOOD STRUCTURES

TYPICAL ANCHORS IN CLUSTERS AT MTG. STILE & INTERLOCK ENDS SEE SHEETS 7, 8 & 9 FOR QUANTITIES



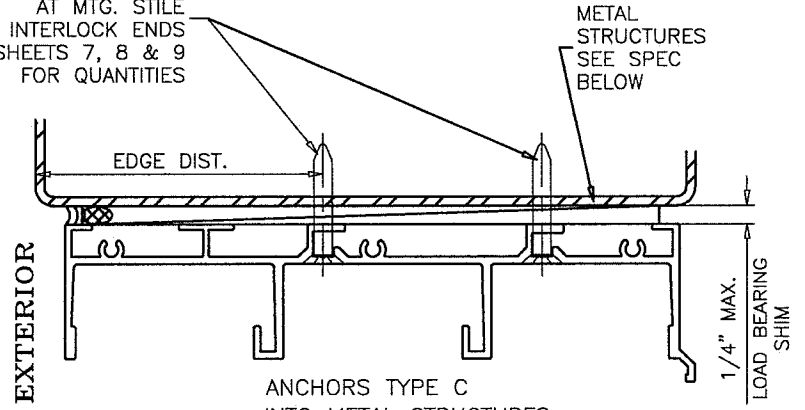
ANCHORS TYPES A AND D THRU PROPERLY SECURED 1BY OR 2BY WOOD BUCKS INTO 3 KSI CONCRETE

TYPICAL ANCHORS IN CLUSTERS AT MTG. STILE & INTERLOCK ENDS SEE SHEETS 7, 8 & 9 FOR QUANTITIES



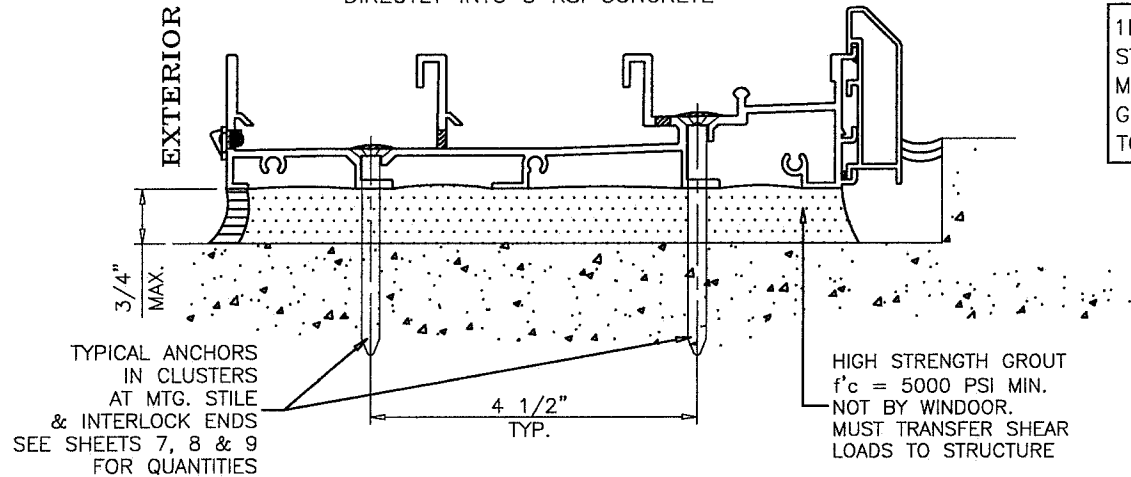
ANCHORS TYPES B AND E DIRECTLY INTO 3 KSI CONCRETE

TYPICAL ANCHORS IN CLUSTERS AT MTG. STILE & INTERLOCK ENDS SEE SHEETS 7, 8 & 9 FOR QUANTITIES



ANCHORS TYPE C INTO METAL STRUCTURES OR APPROVED MULLIONS

ANCHORS TYPE B DIRECTLY INTO 3 KSI CONCRETE



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES, NOT BY WINDOOR AND MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE 'A' - 1/4" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) INTO WOOD STRUCTURES WITH 2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS/SILL) THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS WITH 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL) WITH 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
- TYPE 'B' - 1/4" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) DIRECTLY INTO CONC. OR BLOCKS 2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL) 2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
- TYPE 'C' - #14 SMS OR SELF DRILLING SCREWS ST/ST (GRADE 2 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.) ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
- TYPE 'D' - 1/4" DIA HILTI KWIK-CON II (Fu=138 KSI, Fy=137 KSI) INTO WOOD STRUCTURES WITH 2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS/SILL) THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS WITH 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL) WITH 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
- TYPE 'E' - 1/4" DIA HILTI KWIK-CON II (Fu=138 KSI, Fy=137 KSI) DIRECTLY INTO CONC. OR BLOCKS 2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL) 2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS) 1/4" DIA DEWALT ULTRACON+ (Fu=164 KSI, Fy=148 KSI) 1/4" MAX. SHIM SPACE DIRECTLY INTO CONCRETE OR HOLLOW CMU WITH 1-3/4" MIN. EMBED INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO HOLLOW CMU THRU 1BY WOOD BUCKS INTO CONCRETE OR HOLLOW CMU WITH 1-3/4" MIN. EMBED INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO HOLLOW CMU
- TYPE 'AA' - 5/16" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) INTO WOOD STRUCTURES WITH 1-7/8" MIN. PENETRATION INTO WOOD (HEAD/JAMBS/SILL) THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS WITH 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL) WITH 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
- TYPE 'BB' - 5/16" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) DIRECTLY INTO CONC. OR BLOCKS 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL) 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES (UNLESS OTHERWISE NOTED)

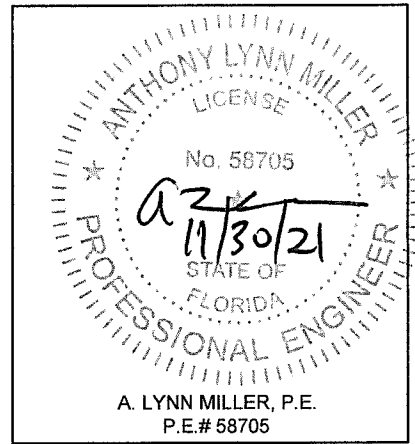
- INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
- INTO WOOD STRUCTURE = 1" MIN. (1/4" DIA. ANCHORS) = 1-1/4" MIN. (5/16" DIA. ANCHORS)
- INTO METAL STRUCTURE = 1/2" MIN.
- WOOD AT HEAD, JAMBS OR SILL SG = 0.55 MIN.
- CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
- C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

1/4" ULTRACON+ ANCHORS BY 'DEWALT' ARE LIMITED TO A MAXIMUM 1/4" SHIM SPACE. ALL OTHER ANCHORS MAY USE 1/4", 3/8" OR 1/2" SHIM SPACE.

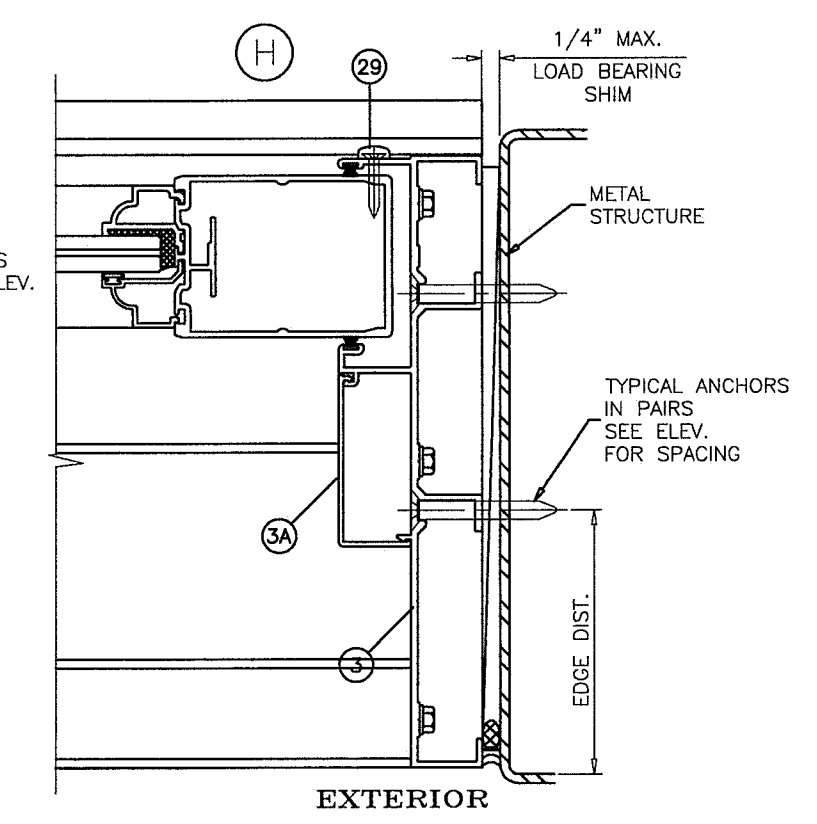
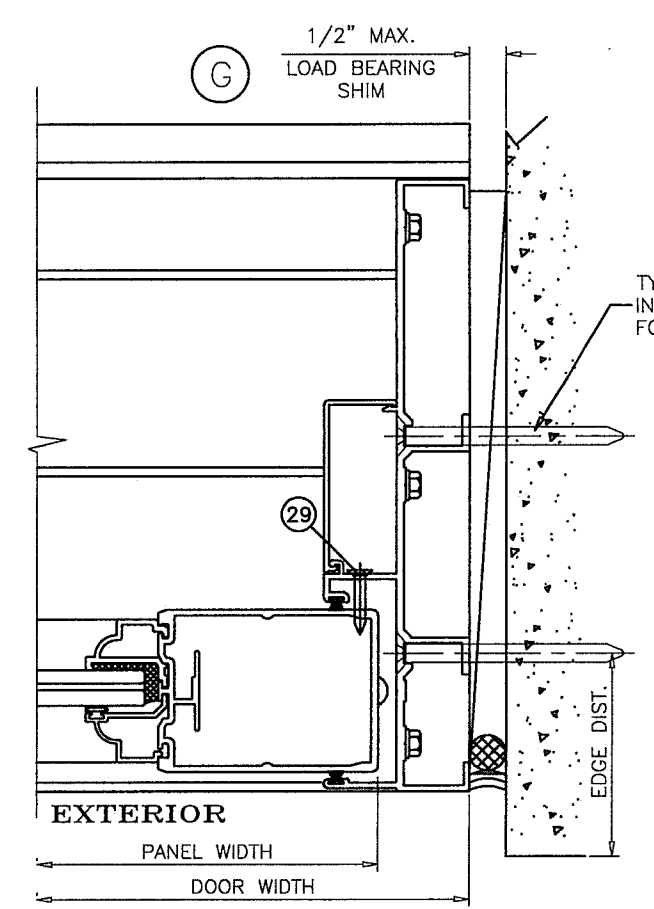
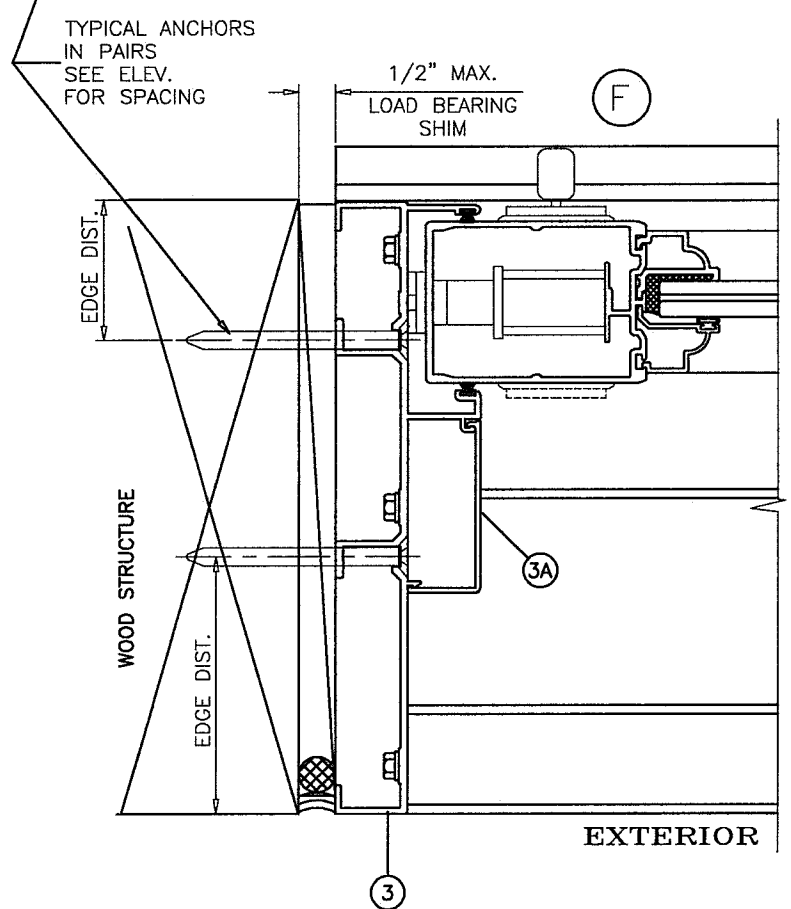
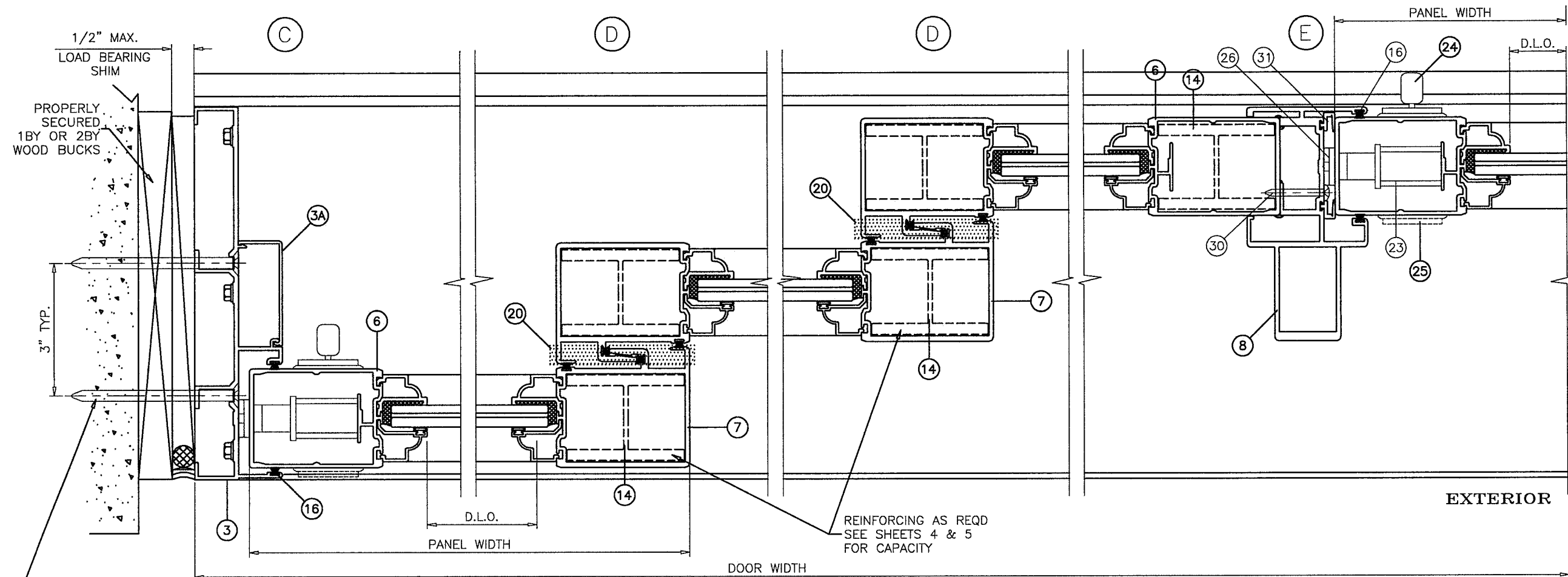
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-1208.08
Expiration Date 06/12/2023
By *Isaac I. Chanda*
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	Rev	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	By	J ROSOWSKI	No.	560-3T-LM-NOA
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	INSTALLATION DETAILS	Sheet	11 OF 17	DMG	
		Contig	3-TRACK, LMI		
		Series Desc.	SGD560A		



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



WOOD BUCKS AND METAL STRUCTURES NOT BY WINDOOR AND MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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 Miami-Dade Product Control

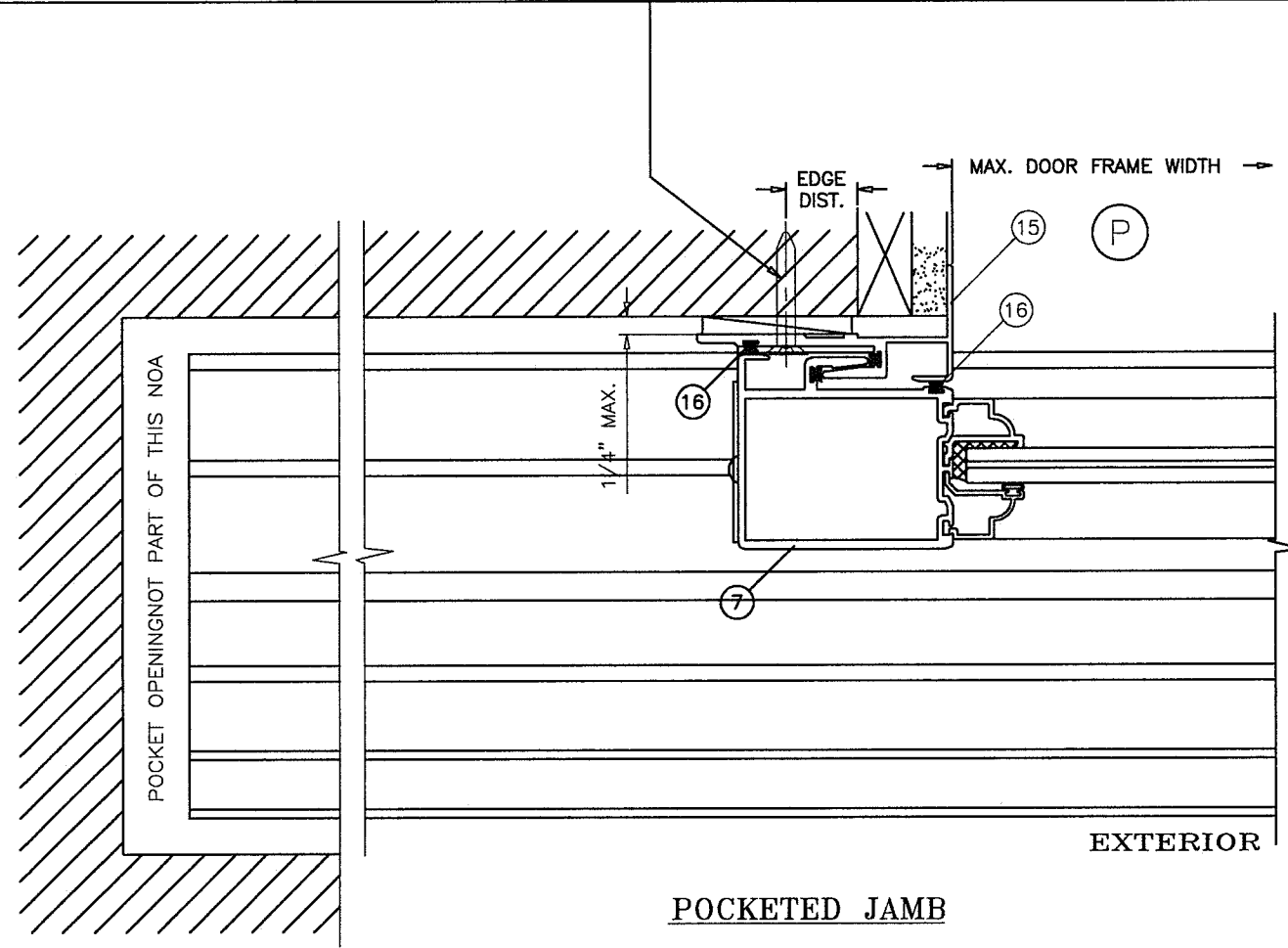
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	DATE	06/10/2020	REV.	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	BY	J. ROSOWSKI	DWG. NO.	560-3T-LM-NOA
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	INSTALLATION DETAILS	SHEET	12 OF 17	CONFIG.	SGD560A
	3-TRACK, LMI	SERIES		TITLE	

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
az
11/30/21
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

POCKET HOOK ANCHOR CAPACITY - PSF													
ANCHORS TYPE	SUBSTRATE	MIN. EMBED.	MIN. EDGE DIST.	PANEL WIDTHS									
				36-1/4"		42-1/4"		48-1/4"		54-1/4"		60-1/4"	
				EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
1/4" DIA. ULTRACONS+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) OR 1/4" DIA. ULTRACONS BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)	MASONRY	1-1/4"	1"	55.8	55.8	47.9	47.9	41.9	41.9	37.3	37.3	33.6	33.6
	CONCRETE	1-3/4"	1"	140.0	140.0	140.0	140.0	137.8	137.8	122.5	122.5	110.3	110.3
#14 SMS (GRADE 2 OR 5 CRS)	WOOD	1-3/4"	3/4"	140.0	140.0	140.0	140.0	131.0	131.0	116.5	116.5	104.9	104.9

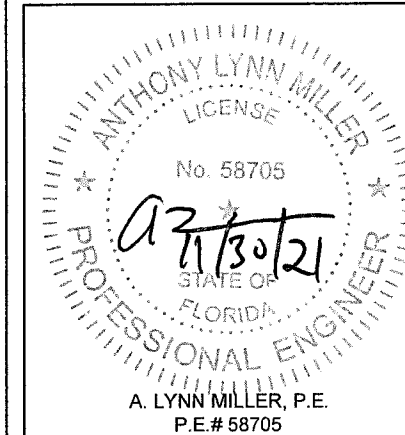
ABOVE CHART IS FOR 12" TYP. ANCHOR SPACING
FOR 6" SPACING MULTIPLY CAPACITY X2.



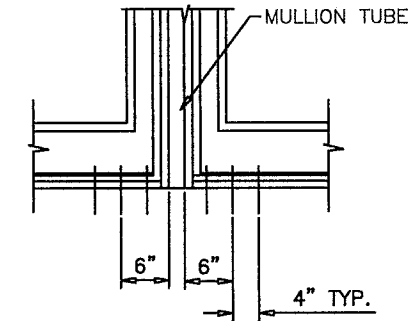
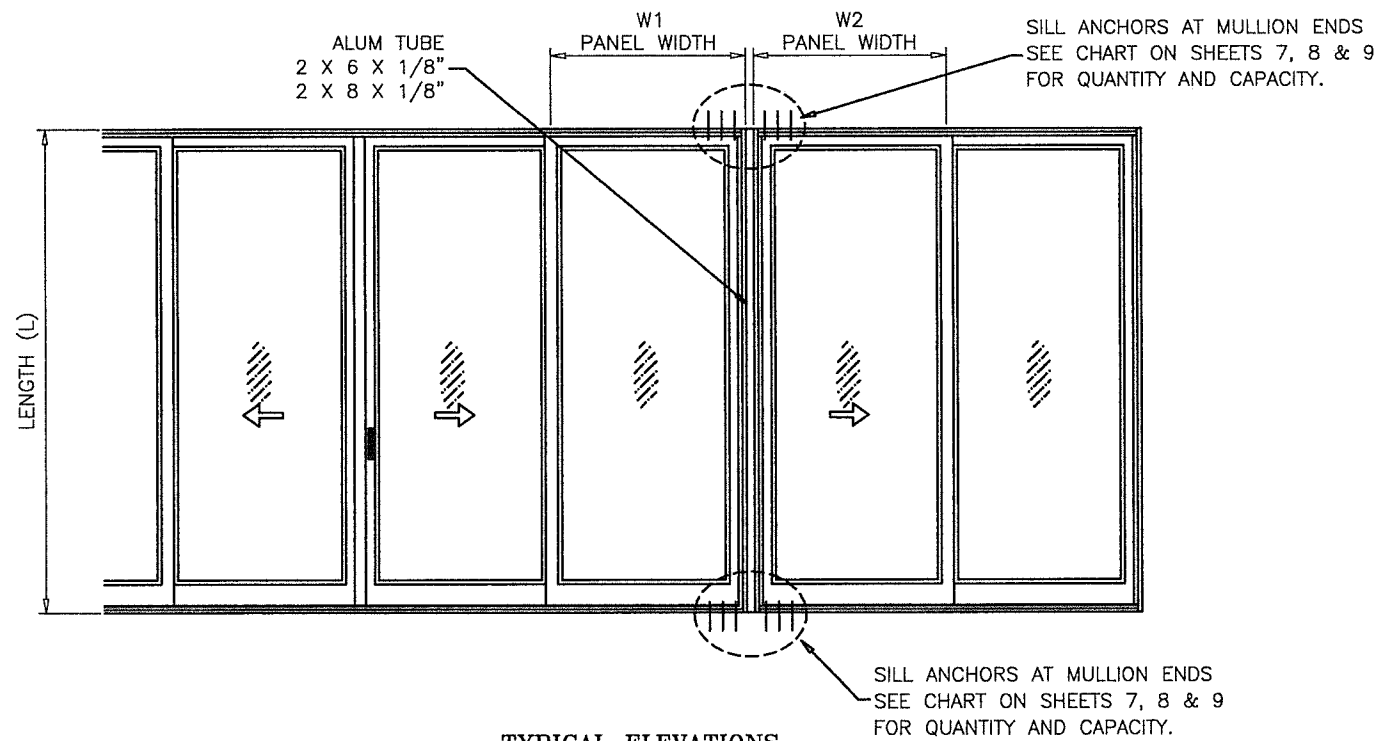
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By *Ismael L. Chanda*
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	DATE	06/10/2020	BY	J ROSOWSKI	REV.	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)						
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	INSTALLATION DETAILS, POCKET	SHEET	13 OF 17	DWG. NO.	560-3T-LM-NOA		
	SGD560A	3-TRACK, LMI					



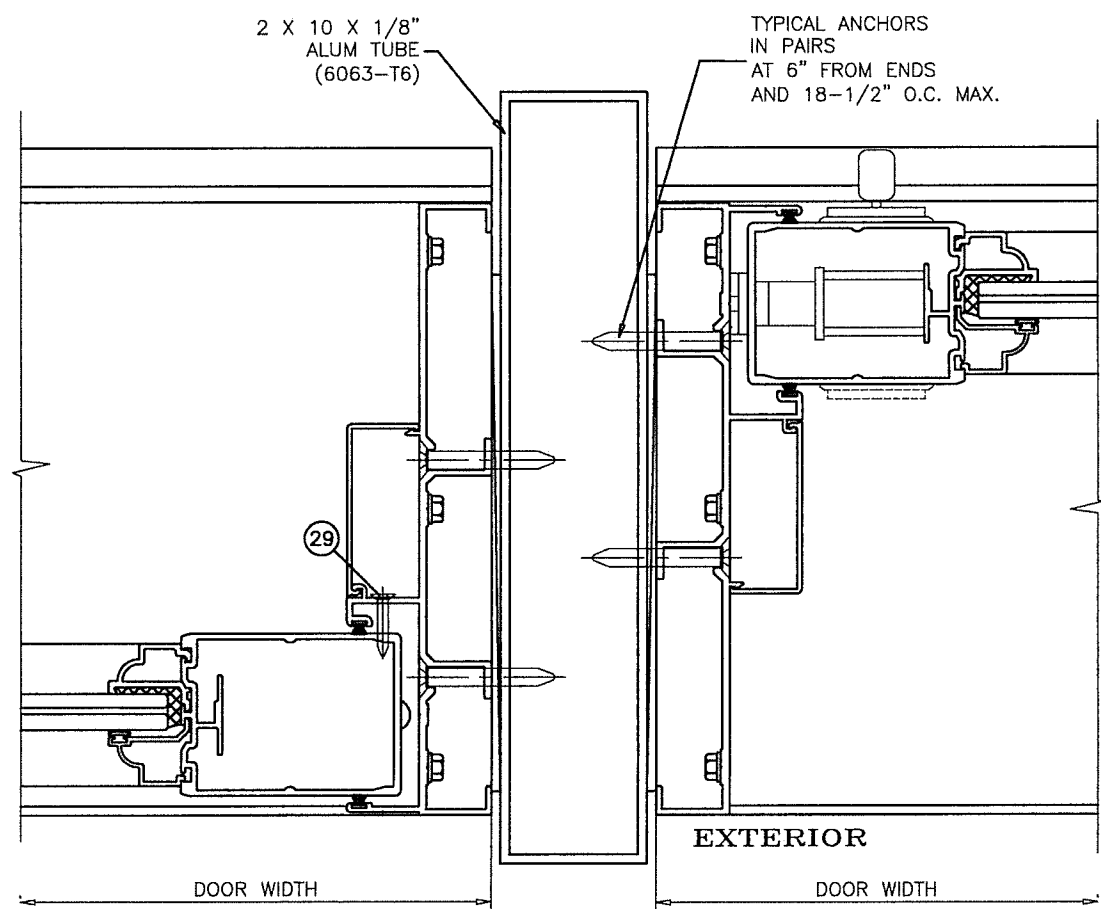
MULLION LOAD CAPACITY - PSF		
DIMS.		2 X 10 X 1/8"
WIDTH (W) INCHES	LENGTH (L) INCHES	EXT.(+) INT.(-)
26-1/4	84	140.0
32-1/4		140.0
38-1/4		140.0
44-1/4		140.0
50-1/4		140.0
56-1/4		140.0
62-1/4	140.0	
26-1/4	90	140.0
32-1/4		140.0
38-1/4		140.0
44-1/4		140.0
50-1/4		140.0
56-1/4		140.0
62-1/4	140.0	
26-1/4	96	140.0
32-1/4		140.0
38-1/4		140.0
44-1/4		140.0
50-1/4		140.0
56-1/4		140.0
62-1/4	140.0	
26-1/4	102	140.0
32-1/4		140.0
38-1/4		140.0
44-1/4		140.0
50-1/4		140.0
56-1/4		140.0
62-1/4	140.0	
26-1/4	108	140.0
32-1/4		140.0
38-1/4		140.0
44-1/4		140.0
50-1/4		140.0
56-1/4		140.0
62-1/4	140.0	
26-1/4	114	140.0
32-1/4		140.0
38-1/4		140.0
44-1/4		140.0
50-1/4		140.0
56-1/4		140.0
62-1/4	140.0	
26-1/4	120	140.0
32-1/4		140.0
38-1/4		140.0
44-1/4		140.0
50-1/4		140.0
56-1/4		140.0



TYPICAL ELEVATIONS
SIDE BY SIDE S.G. DOOR
SIDE BY SIDE APPLIES TO TWO OR MORE DOORS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2} + 2$$

W1 = SGD PANEL WIDTH
W2 = SGD PANEL WIDTH



UNCLIPPED MULLION

**CLUSTER OF ANCHORS
HEAD/SILL**

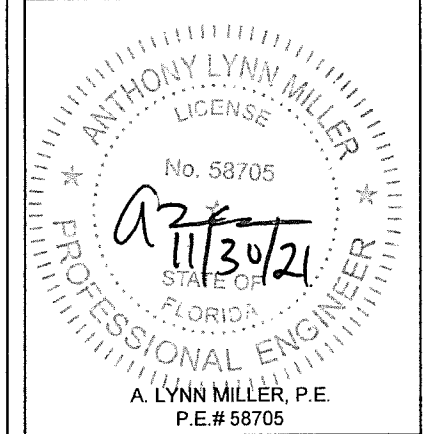
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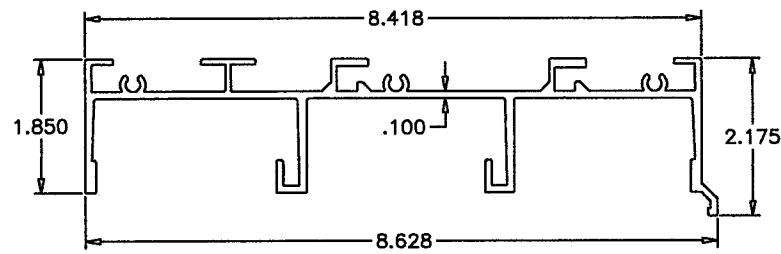
1. USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF DOOR MULLION.
2. FOR SLIDING GLASS DOOR CAPACITY SEE SHEETS 4 & 5.
3. USE CHART ON SHEETS 7, 8 & 9 TO SELECT ANCHOR ARRANGEMENT AT MULLION ENDS.
4. LOWER VALUES FROM STEPS 1, 2 OR 3 WILL APPLY TO ENTIRE SYSTEM.

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Miami-Dade Product Control

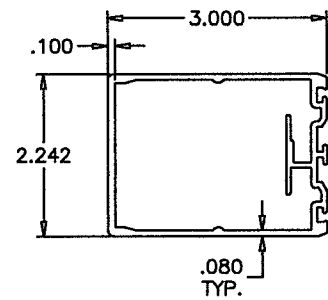
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	Drawn By	J ROSOWSKI	Rev.	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	Sheet	14 OF 17	DWG No.	560-3T-LM-NOA		
WINDOOR® INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	Config	SGD560A	3-TRACK, LMI				
DP FOR MULLION		Series Desc					

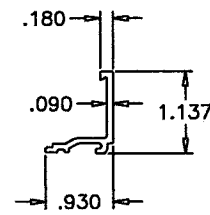




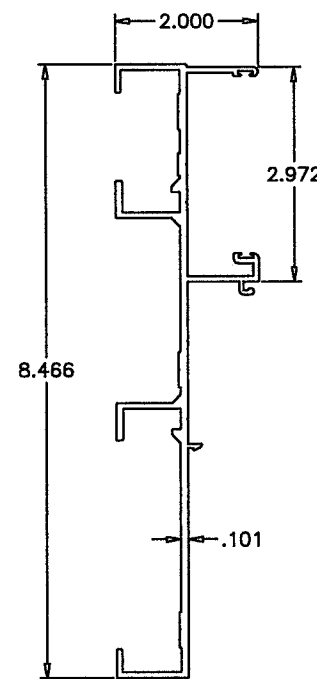
① FRAME HEAD



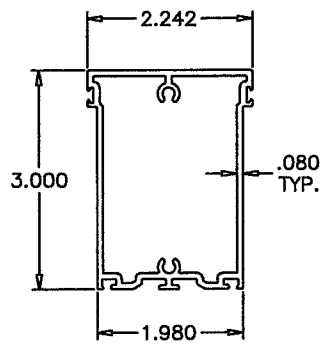
⑥ JAMB/LOCK STILE



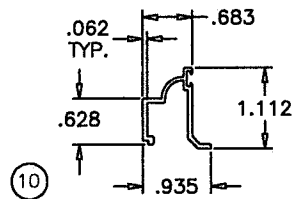
⑫ INSUL. GLASS ADAPTER



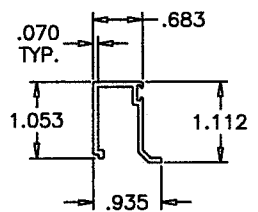
③ FRAME JAMB



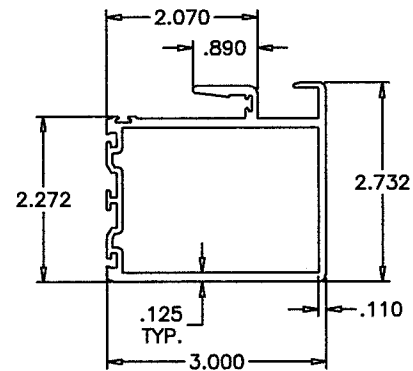
④ TOP RAIL



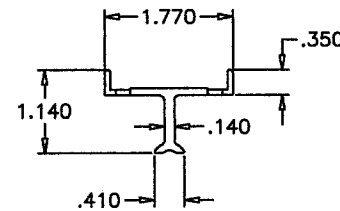
⑩



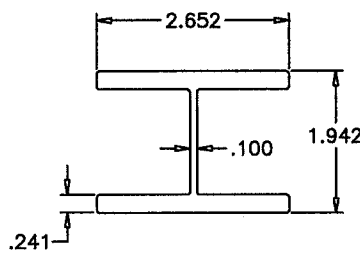
⑩A GLAZING BEADS



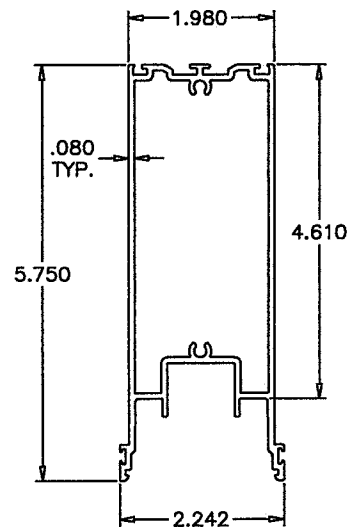
⑦ INTERLOCK STILE



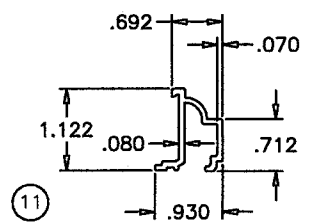
⑬ FIX. PANEL BASE



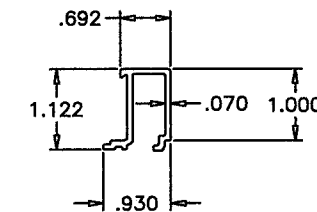
⑭ STILE REINFORCING



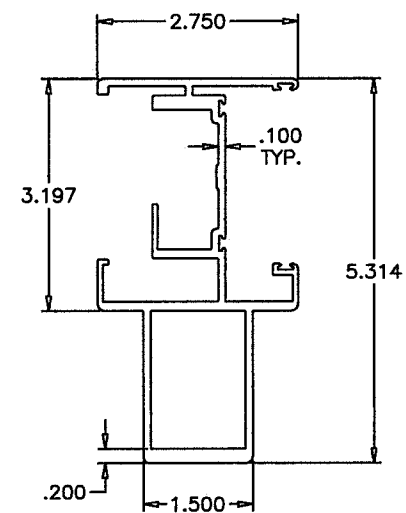
⑤ BOTTOM RAIL



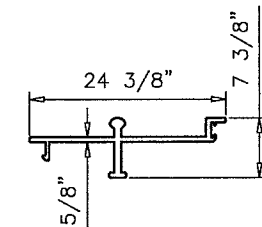
⑪



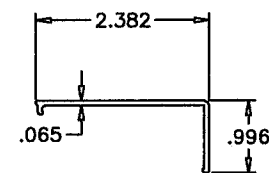
⑪A GLASS ADAPTERS



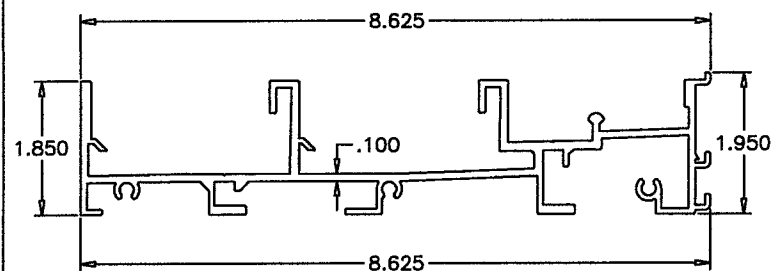
⑧ ASTRAGAL STILE



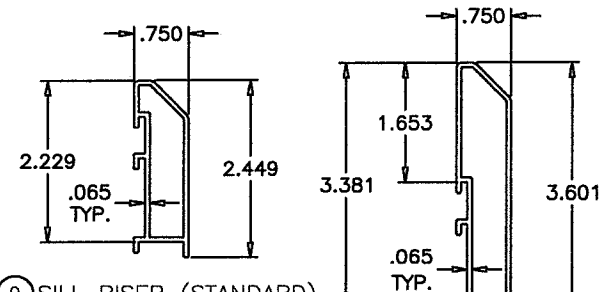
②A TRACK INSERT



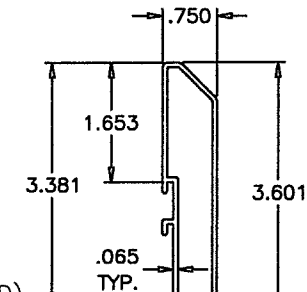
③A JAMB COVER



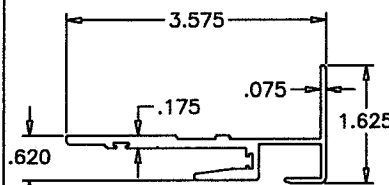
② FRAME SILL



⑨ SILL RISER (STANDARD)



⑨A SILL RISER (HI-RISE)



⑮ POCKET DOOR HOOK

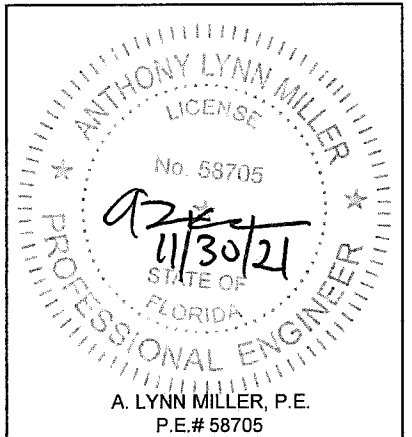
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Expiration Date 06/12/2023

By *Isaac I. Chanda*
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	Drawn By	J ROSOWSKI	Rev.	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)					DWG No.	560-3T-LM-NOA
WINDOOR® INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	EXTRUSIONS	Sheet	15 OF 17	Series	SGD560A	Config	3-TRACK, LMI
		Desc.		Title			



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	CGI-572	1	FRAME HEAD	6063-T6	-
2	CGI-573	1	FRAME SILL	6063-T6	-
2A	CGI-575	AS REQD.	TRACK INSERT	6063-T6	-
3	CGI-574	2	FRAME JAMB	6063-T6	-
3A	CGI-576	AS REQD.	JAMB COVER	6063-T6	-
4	CGI-574	1/ PANEL	TOP RAIL	6063-T6	-
5	CGI-556	1/ PANEL	BOTTOM RAIL	6063-T6	-
6	CGI-557	2/ PANEL	JAMB/LOCK STILE	6063-T6	-
7	CGI-558	AS REQD.	INTERLOCK	6063-T6	-
8	CGI-559	AS REQD.	ASTRAGAL STILE	6063-T6	-
9	CGI-553	AS REQD.	SILL RISER (STANDARD)	6063-T5	-
9A	CGI-554	AS REQD.	SILL RISER (HI-RISE)	6063-T5	-
10	CGI-561	AS REQD.	GLAZING BEAD (COLONIAL)	6063-T5	-
10A	CGI-563	AS REQD.	GLAZING BEAD (SQUARE)	6063-T5	-
11	CGI-562	AS REQD.	GLASS ADAPTER (COLONIAL)	6063-T5	-
11A	CGI-564	AS REQD.	GLASS ADAPTER (SQUARE)	6063-T5	-
12	CGI-565	AS REQD.	GLASS ADAPTER (INSUL. LAM. GLASS)	6063-T6	-
13	CGI-585	2/ FIX. PANEL	FIX. PANEL BASE, 2" LONG	6063-T5	ATTACHED WITH #8 X 3/4" PH PH TEKS
14	CGI-560	AS REQD.	STILE REINFORCING	6063-T6	LENGTH = DOOR HT. - 14"
15	CGI-577	AS REQD.	POCKET DOOR HOOK	6063-T6	-

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER	REMARKS
16	VARIES	VARIES	WOOL PILE WEATHERSTRIPPING WITH FIN	PILE	ULTRAFAB OR EQUAL	.187" BASE X .290" TRI-FIN (USED HORIZONTALLY) .187" BASE X .290" SINGLE CENTER FIN (USED VERT.)
17	CGI-382V	VARIES	GLAZING BEAD BULB	VINYL	CUSTOM EXTRUDED	
18	SILICONE	VARIES	STRUCTURAL SILICONE	RUBBER	GE 1200 OR DOW 995	
19	CGI-584	1	ANTI-LIFT BLOCK	GL RF NYLON	CUSTOM CGI PART	ABOVE INTERLOCK ATTACHED W/ (2) #10 X 1" SMS
20	CGI-586	1	ADHESIVE BACKED PILE PAD (.300" HIGH)	PILE	ULTRAFAB OR EQUAL	AT BOTTOM OF EACH INTERLOCK
21	TA-51 OR TA-84	2/ MOV. PANEL	TANDEM S/S ROLLER	S/S	BUILDERS HRDW. OR EQUAL	ATTACHED WITH #8 X 3/4" PH PH TEKS
23	CH-200	1	M.S. COMMERCIAL HOOK BOLT LOCK	S/S MECH.	CUSTOM PART	INCLUDES CGI-580 FACE PLATE TRIM
24	CH-107	1	BRASS THUMBTURN	BRASS/ZINC	CUSTOM PART	1 REQUIRED PER HOOK BOLT
25	CH-109	OPT.	BRASS KEYED EXTERIOR CYLINDER	BRASS/ZINC	CUSTOM PART	OPTIONAL PART
26	CGI-581	1	850" X 3-7/8" S/S KEEPER	S/S	CUSTOM PART	ATTACHED W/ (3) #10 X 1" TRUSS HEAD SMS
27	SCREW (FRAME)	12	#12 X 1-1/4" HEX HEAD S/S SMS	S/S	VARIOUS	3 SCREWS PER FRAME CORNER
28	SCREW (PANEL)	8	#10 X 1-1/4" PAN HEAD S/S SMS	S/S	VARIOUS	2 SCREWS PER PANEL CORNER
29	SCREW	2	#8 X 1-1/2" FLAT HEAD TEKS S/S	S/S	VARIOUS	(2) PER FIXED PANEL AT MAXIMUM OF 24" FROM TOP & BOTTOM MOUNTED ON PLASTIC COVER
30	SCREW	VARIES	#10 X 1-1/2" PAN HEAD TEKS S/S	S/S	VARIOUS	AT 6" FROM ENDS AND 24" ON CENTER MAX.
31	CGI-599	VARIES	RUBBER SEAL	RUBBER/FOAM	CUSTOM PART	
32	SIDELITE JAMB CLIP	1/SCREW	3" LONG CLIP (AT "O" CONFIGURATION)	ALUM	CUSTOM PART	CONSISTS OF 1/8" X 3-1/8" X 3" LG PLATE GLUED TO 3/4" X 1-1/2" X 1/8" THK X 3" LG. TUBE
33	HI-FLO WEEPER	VARIES	WEEP HOLE AND COVER	NYLON	PEP	1 WEEP AND COVER AT 9" FROM ENDS AND AT CENTER LINE OF INTERLOCK OR ASTRAGAL
34	-	2/LITE	SETTING BLOCK	EPDM	-	1 REQUIRED PER HOOK BOLT
35	WS-578	AS REQD.	ADHESIVE BACKED PILE PAD (2.75" X .3" X .69")	PILE	ULTRAFAB OR EQUAL	AT HEAD NTERLOCK, EXTERIOR SIDE
36	WS-597	AS REQD.	ADHESIVE BACKED PILE PAD (1.1" X .54" X .32")	PILE	ULTRAFAB OR EQUAL	AT SILL, EXTERIOR SIDE

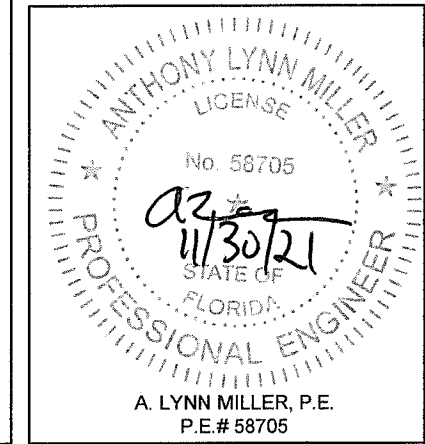
SEALANTS:

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SILICONE.

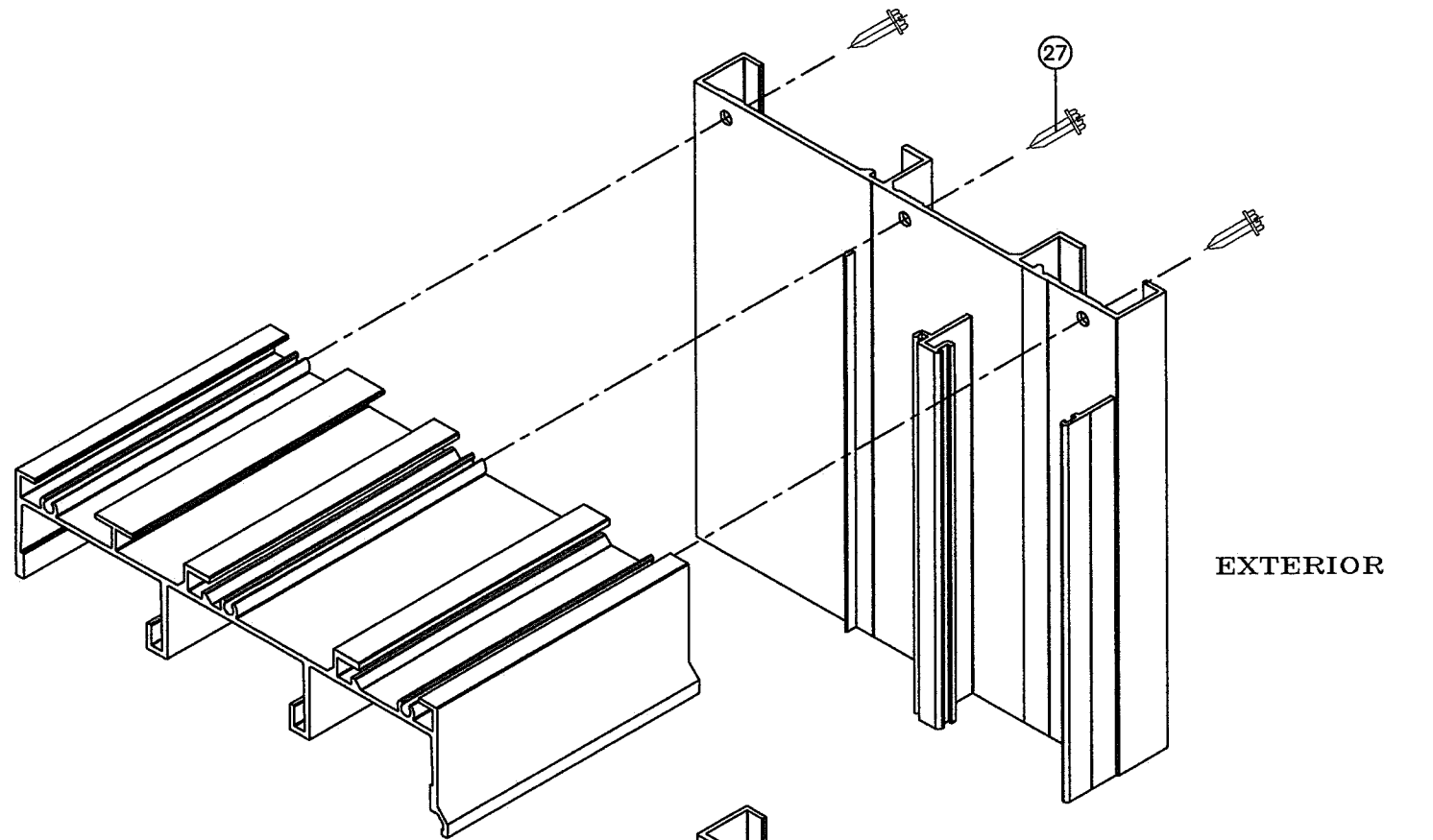
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-1208.08
Expiration Date 06/12/2023
By Isaac I. Chanda
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	
		By	J ROSOWSKI	
		DWG No.	560-3T-LM-NOA B	
		Sheet	16 OF 17	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	BILL OF MATERIALS	Config	3-TRACK, LMI
			Series	SGD560A
			Title	

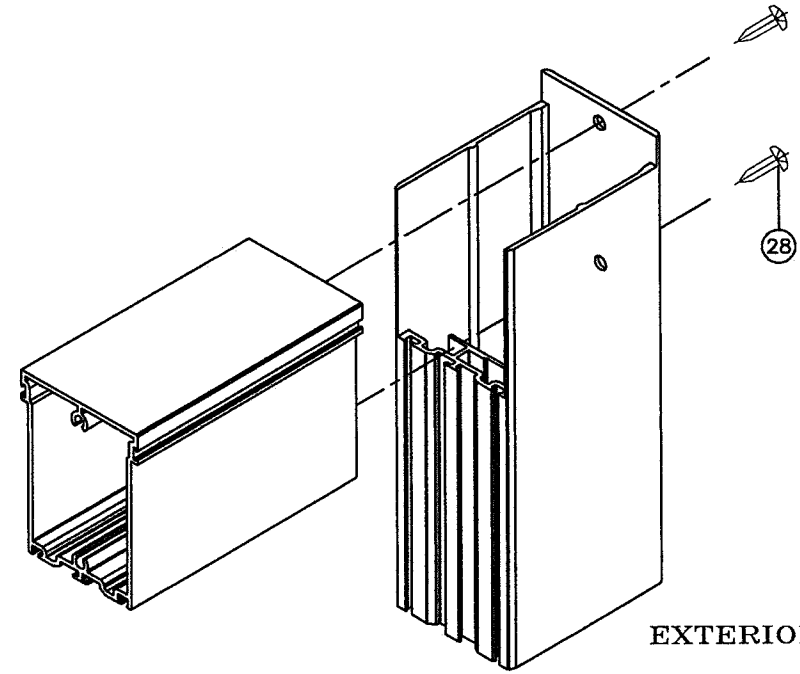


A. LYNN MILLER, P.E.
P.E.# 58705



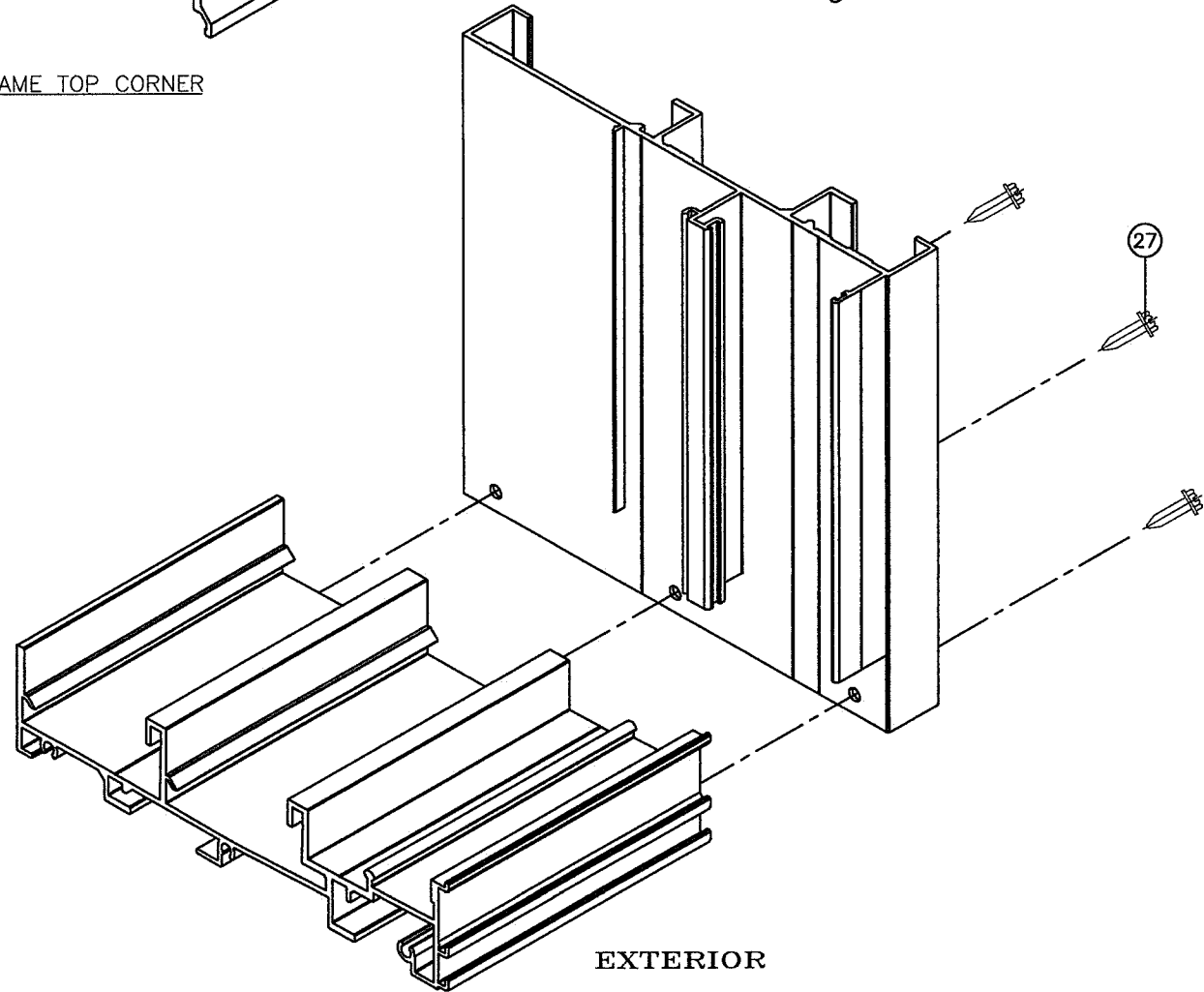
FRAME TOP CORNER

EXTERIOR



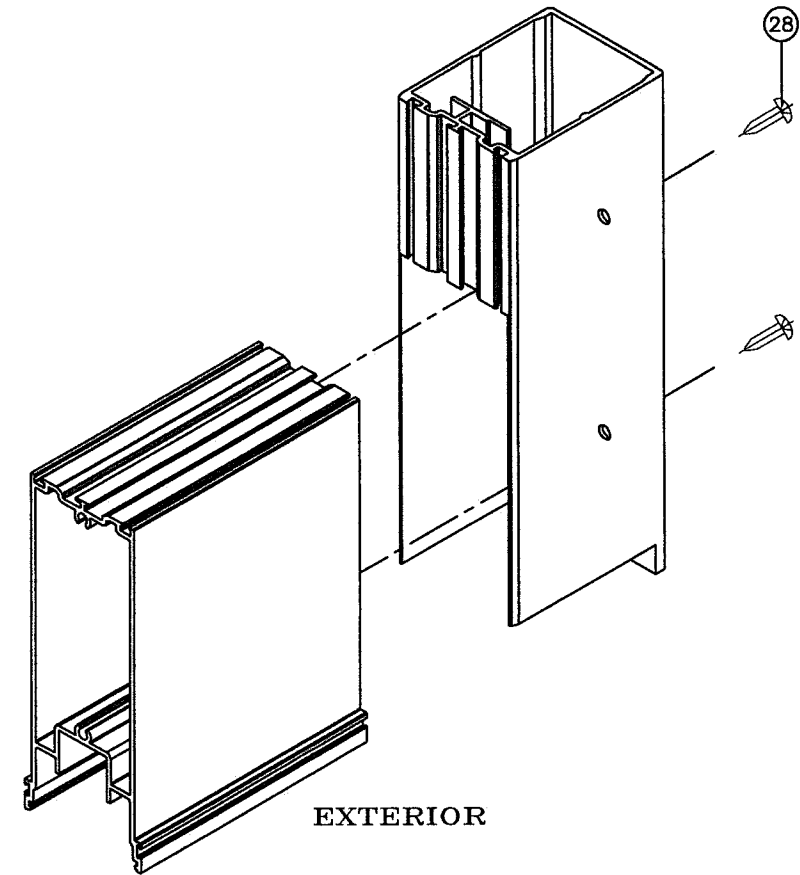
PANEL TOP CORNER

EXTERIOR



FRAME BOTTOM CORNER

EXTERIOR



PANEL BOTTOM CORNER

EXTERIOR

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-1208.08

Expiration Date 06/12/2023

By *Ishtaq I. Chaudhry*
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	06/10/2020	Rev.	B
	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)	CORNER DETAILS	By	J ROSOWSKI	DWG No.
Series			SGD560A	Sheet	17 OF 17
WINDOOR [®] INCORPORATED 104 TRIPLE DIAMOND BLVD. N. VENICE, FL 34275 (833) 554-5432	560SGDA ALUM. SLIDING GLASS DOOR, 3T (LMI)		Config	3-TRACK, LMI	

ANTHONY LYNN MILLER
LICENSE
No. 58705
ALM
11/30/21
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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