



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
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

WinDoor, Incorporated
7500 Amsterdam drive
Orlando, Florida, 32832

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 "7000" Aluminum Sliding Glass Door W/VO Reinforcements-LMI

APPROVAL DOCUMENT: Drawing No. **SGD7000-LMI-NOA** (former **08-00638 Rev G**), titled "7000 Series SGD-LMI", sheets 1 through 21 of 21, prepared by manufacturer, dated 04/03/20, signed and sealed by Lynn A. Miller, P.E., bearing the Miami-Dade County Product Control Renewal 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. See Design Pressures Vs sizes, reinforcements, sill riser and glass types in sheets 2 thru 4 & additional sizes in sheets 5 & 6.
2. See anchor charts (Non-reinforced VS Reinforced) in sheets 5 & 6. Two (2) anchors at each anchor location shown in sheets 5 & 6, at head, sill and jambs, except one (1) anchor per location pocket (hook-strips jamb) not to exceed 11" O.C. is required per chart #10 (sheet 6).

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", 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 **renews NOA # 17-1219.06** and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

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



NOA No. 20-0406.09
Expiration Date: June 02, 2025
Approval Date: April 16, 2020
Page 1

8
4/16/20

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under files below)
2. Drawing No. **08-00638 Rev F**, titled "7000 Series SGD-LMI", sheets 1 through 21 of 21, prepared by manufacturer, dated 12/10/08 and last revised on 02/09/16, signed and sealed by Luis R. Lomas, P.E.

B. TESTS (Submitted under files # 12-0130.08/# 09-0519.12)

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 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass, prepared by National Certified Testing Laboratories Inc., Test Report No. **NCTL-210-3533-2**, dated 03/25/09, signed & sealed by Gerald J, Ferrara, P.E.

C. CALCULATIONS

1. Anchor verification calculations, structural & comparative analysis, complying with FBC2014(5th Edition), dated 05-29-15, 12-09-15 and last revised on 02/05/16, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with ASTM-E-1300-02, -04 & -09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS (Submitted under files # 12-0130.08/# 09-0519.12)


1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "Sentry Glass ® (Clear and White) Glass Interlayers", expiring on 07/04/18.
2. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "Kurray Butacite PVB Interlayers", expiring on 12/11/2016.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (5th edition) and "No financial interest", dated 05/29/15, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Test lab compliance statement, part of the above referenced reports.

G. OTHER

1. This NOA revises & renews NOA # **12-0130.08**, expiring on June 02, 2020.
2. Test Proposals # **07-3931**, dated 04/31/2008 approved by BCCO.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0406.09
Expiration Date: June 02, 2025
Approval Date: April 16, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous file.

A. DRAWINGS

1. Drawing No. **08-00638 Rev G**, titled "7000 Series SGD-LMI", sheets 1 through 21 of 21, prepared by manufacturer, dated 12/10/08 and last revised on 11/28/17, signed and sealed by Luis R. Lomas, P.E.

B. Test

1. None.

C. CALCULATIONS

1. Anchor verification dated 11/27/17 complying w/ FBC 2017 (6th Edition), prepared, signed and sealed by Luis R. Lomas, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "**Sentry Glass ® (Clear and White) Glass Interlayers**", expiring on 07/04/18.
2. Notice of Acceptance No. **16-1117.01** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for "**Trosifol: Ultra clear, clear & color PVB glass interlayer**" (former "**Kuraray Butacite PVB Interlayer**"), expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition), dated 11/27/17 prepared, signed and sealed by Luis R. Lomas, P.E.

G. OTHER

1. This NOA revises # **15-0604.09**, expiring 06/02/20.

3. New Evidence submitted.


A. DRAWINGS

1. Drawing No. **SGD7000-LMI-NOA** (former **08-00638 Rev G**), titled "7000 Series SGD-LMI", sheets 1 through 21 of 21, prepared by manufacturer, dated 04/03/20, signed and sealed by Lynn A. Miller, P.E.

B. Test

1. None.

C. CALCULATIONS (submitted under # 17-1219.06)


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0406.09
Expiration Date: June 02, 2025
Approval Date: April 16, 2020

WinDoor, Incorporated

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the “**Sentry Glass ® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.
2. Notice of Acceptance No. **19-0305.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for “**Trosifol: Ultra clear, clear & color PVB glass interlayer**” (former “Kuraray **Butacite** PVB Interlayer)”, expiring on 07/08/24.

F. STATEMENTS

1. Statement letter of conformance and “to FBC 2017 (6th Edition) and “no financial interest both dated 04/03/20, prepared, signed and sealed by Lynn A. Miller, P.E.
2. Statement Letter of Successor Engineer adopting another Engineer’s work as his own per FLA 61G15.27.001, dated 04/02/20, prepared, signed and sealed by Lynn A. Miller, P.E.

G. OTHER

1. This NOA **renews # 17-1219.06**, expiring 06/02/25.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0406.09
Expiration Date: June 02, 2025
Approval Date: April 16, 2020

- NOTES:
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6th EDITION (2017) INCLUDING THE HVHZ.
 - 2. WOOD FRAMING/2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING/2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 - 3. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
 - 4. FRAME AND PANEL MATERIAL: ALUMINUM 6063-T6
 - 5. UNITS MUST BE GLAZED PER ASTM E1300-02 OR 04. (SEE DETAILS SHEET 8)
 - 6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN AREAS WHERE WIND BORNE DEBRIS PROTECTION IS REQUIRED.
 - 7. APPROVED TO BE INSTALLED ON A 2 TRACK, 3 TRACK OR 4 TRACK FRAME SYSTEM WITH OR WITHOUT POCKETS.

PANEL CONSTRUCTION:
ALL PANELS ARE CONSTRUCTED FROM EXTRUDED 6063-T6 ALUMINUM. VERTICAL STILES ARE NOTCHED TO RECEIVE HORIZONTAL RAILS. EACH RAIL IS SECURED TO STILES WITH (3) #10 x 1 1/4" SQ. DRIVE SCREW AT EACH END, B.O.M. ITEM #47. ALL PANELS HAVE A FIXED GLAZING STOP ON THE INTERIOR AND AN APPLIED GLAZING STOP ON THE EXTERIOR.

FRAME CONSTRUCTION:
EACH FRAME CORNER IS NOTCHED AND BUTTED. HEAD AND SILL ARE SECURED TO JAMBS WITH #8 x 1" TYPE F SCREW, B.O.M. ITEM #48, (2) AT EACH CORNER ON 2 TRACK FRAME, (3) AT EACH CORNER ON 3 TRACK FRAME AND (4) AT EACH CORNER ON 4 TRACK FRAME.

- ANCHORING NOTES:
- 1. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE TWO INSTALLATION ANCHORS AT EACH INSTALLATION ANCHOR LOCATION IN HEAD, SILL AND JAMBS.
 - 2. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE ONE INSTALLATION ANCHOR AT EACH INSTALLATION ANCHOR LOCATION IN HOOK STRIP.
 - 3. FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON-STRUCTURAL WOOD BUCK AT HEAD, SILL AND JAMBS USE 1/4" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE AND 1 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 - 4. FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD AT HEAD, SILL AND JAMBS USE #10 GRADE 5 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT AND 3/4" MINIMUM EDGE DISTANCE INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 - 5. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM TO BE 1/4".
 - 6. ALL FASTENERS TO BE CORROSION RESISTANT.
 - 7. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL BACKED FRAMING - 20 GA (.040) MINIMUM THICKNESS (TO BE USED WITH WOOD FRAMING)

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SHEET NO.	DESCRIPTION
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7	ANCHORING LAYOUT
8 - 9	BILL OF MATERIALS AND GLAZING DETAILS
10 - 15	CROSS SECTIONS
16 - 19	INSTALLATION DETAILS
20 - 21	COMPONENTS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406-09
Expiration Date JUNE 02, 2025
By: [Signature]
Product Control

Revision:

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

REGISTRATION #29296

WinDoor®
INCORPORATED
WINDOOR INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
(407) 481-8400

7000 SERIES LMI REINFORCED &
NON-REINFORCED (50 X 82 PANEL)

Rev.

Date

4/03/2020

By

ALAN KINNE

No.

SGD7000LMI-NOA

Series

Desc.

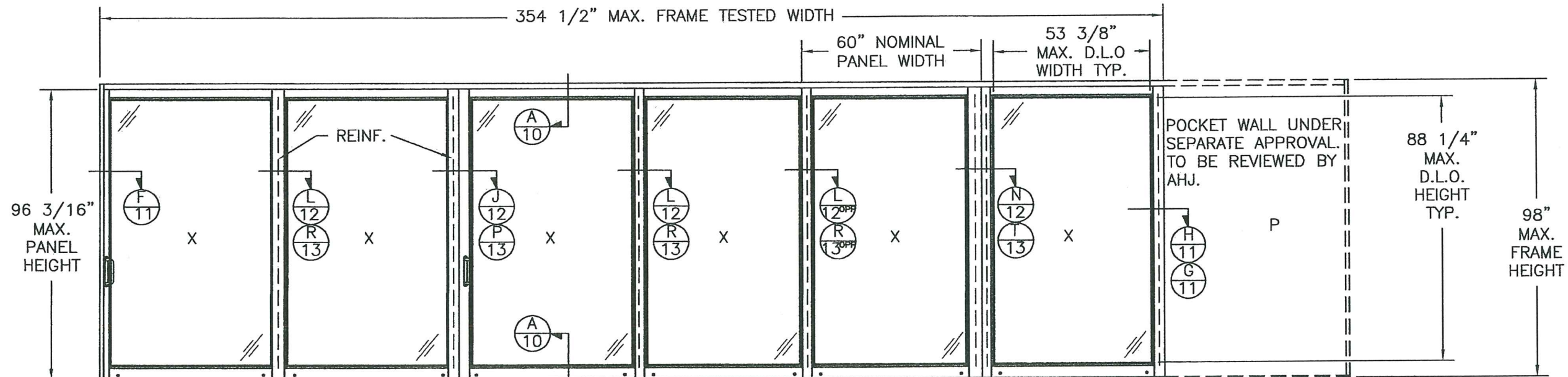
Title

1 OF 21

SGD7000LMI

ANTHONY LYNN MILLER
LICENSE
No. 58705
9/3/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

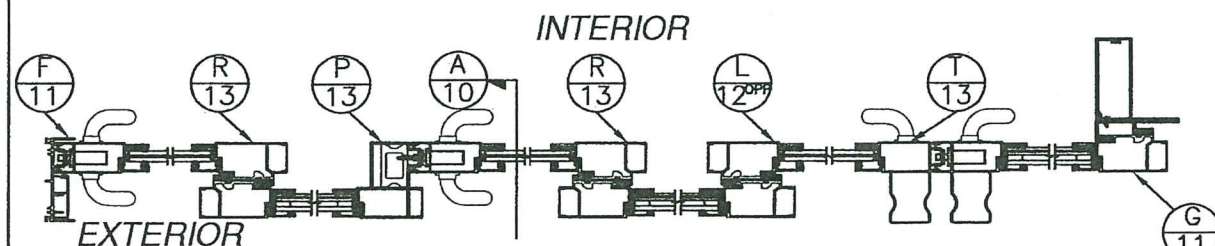
A. LYNN MILLER, P.E.
P.E.# 58705



7000 SERIES LMI SGD (XXXXXXP)
TYPICAL ELEVATION EXTERIOR VIEW

6" TO
WEEP
WEEP SLOT 1" x .1875"
TYP. LOCATED AT ALL
VERTICAL CENTER LINES

(6) PANELS SHOWN. NUMBER OF PANELS IN LIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL WIDTH & HEIGHT AND MAXIMUM FRAME AREA DOES NOT EXCEED TESTED AREA = 241.25FT² AND USE VERTICAL CONDITIONS AS SHOWN.

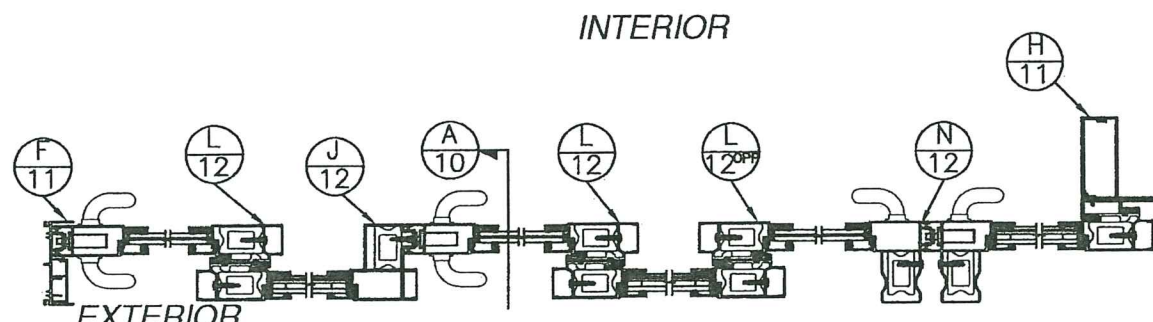


7000 SERIES LMI NON-REINFORCED SGD
2 TRACK LAYOUT

NON-REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 1, 2 & 3 SHEET 5



7000 SERIES LMI REINFORCED SGD
2 TRACK LAYOUT

REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 4, 5 & 6 SHEET 5

REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

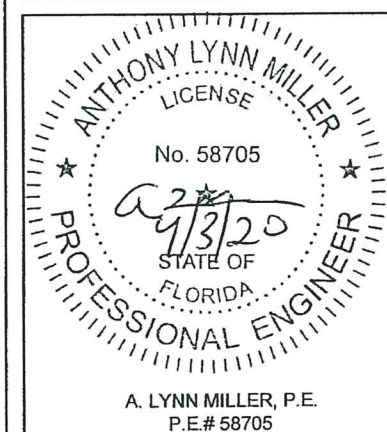
WITH SILL ITEMS 4, 9 & 14
FOR ADDITIONAL SIZES SEE CHARTS 7, 8 & 9 SHEET 6

PANEL AND D.L.O. FORMULA
PANEL HEIGHT = UNIT HEIGHT - 1 9/16"
D.L.O. HEIGHT = PANEL HEIGHT - 7.9375"
D.L.O. WIDTH = PANEL WIDTH - 6.625"

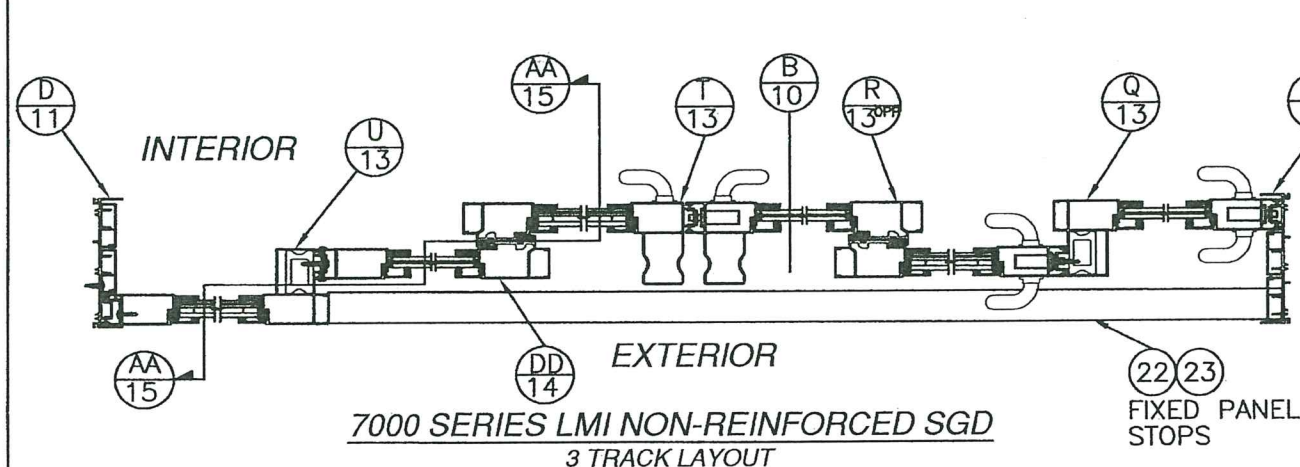
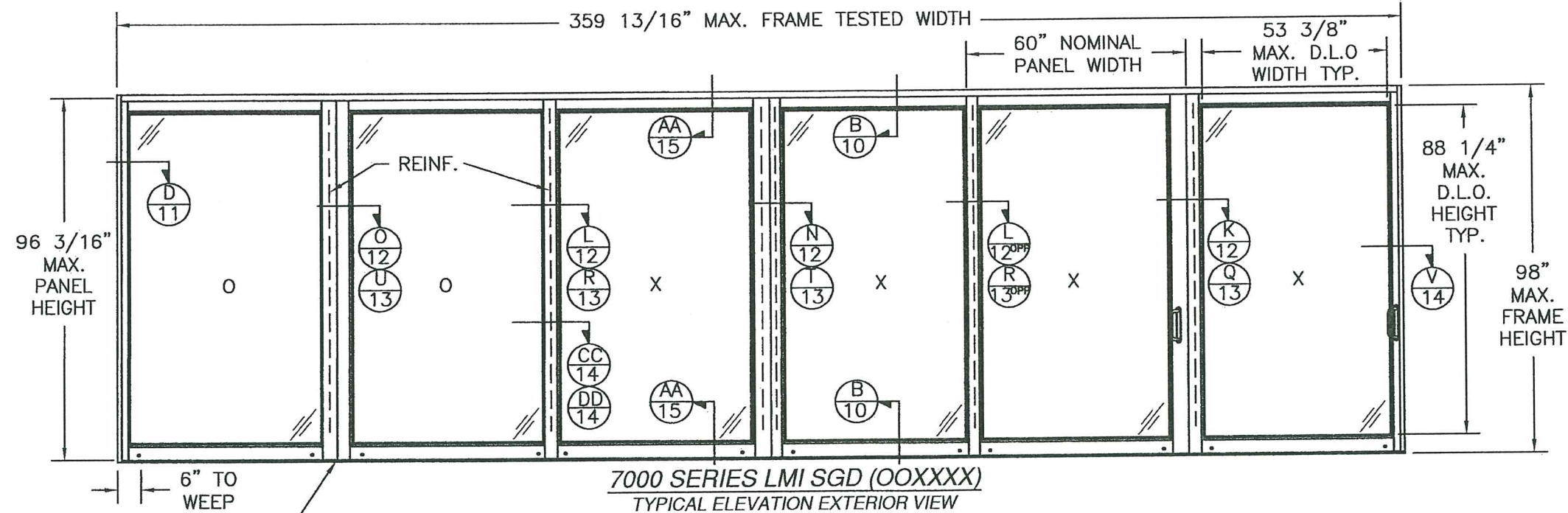
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 20-0466.09
Expiration Date 6/2/25
By Anthony L. Miller
Miami Dade Product Control

Revision:

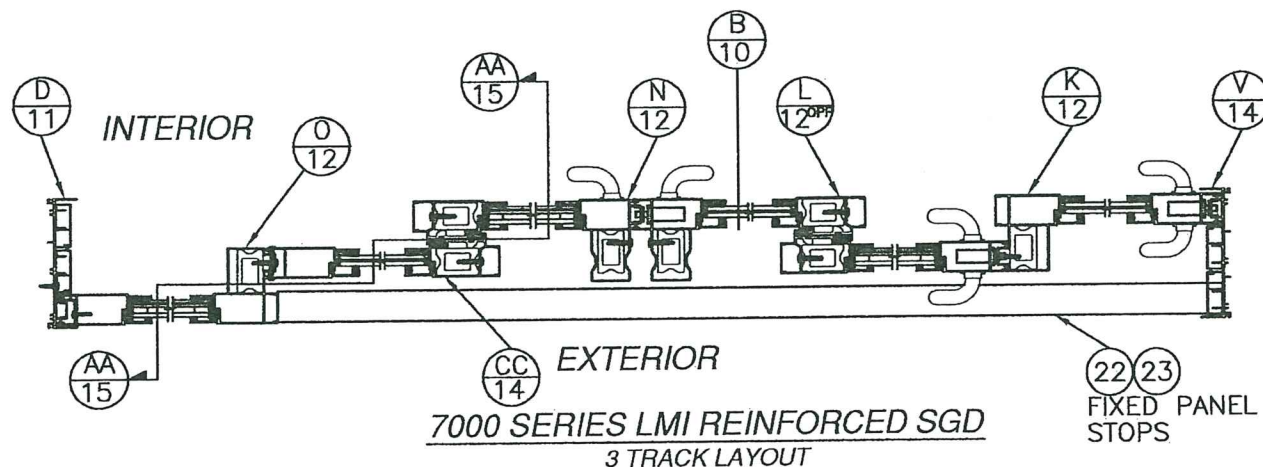
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	4/03/2020	Rev.	SGD7000LMI-NOA
			Date	
			By	
WINDOOR® INCORPORATED WINDOOR INCORPORATED 7600 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	7000 SERIES LMI REINFORCED & NON-REINFORCED (50 X 8'2 PANEL) ELEVATION, HORIZONTAL CROSS SECTIONS & NOTES	2 OF 21	Sheet	SGD7000LMI



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



NON-REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	LARGE MISSILE IMPACT
WITH SILL ITEMS 3, 8 & 13 FOR ADDITIONAL SIZES SEE CHARTS 1, 2 & 3 SHEET 5	



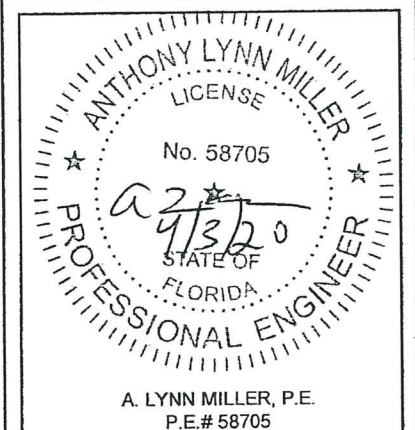
REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT
WITH SILL ITEMS 3, 8 & 13 FOR ADDITIONAL SIZES SEE CHARTS 4, 5 & 6 SHEET 5	

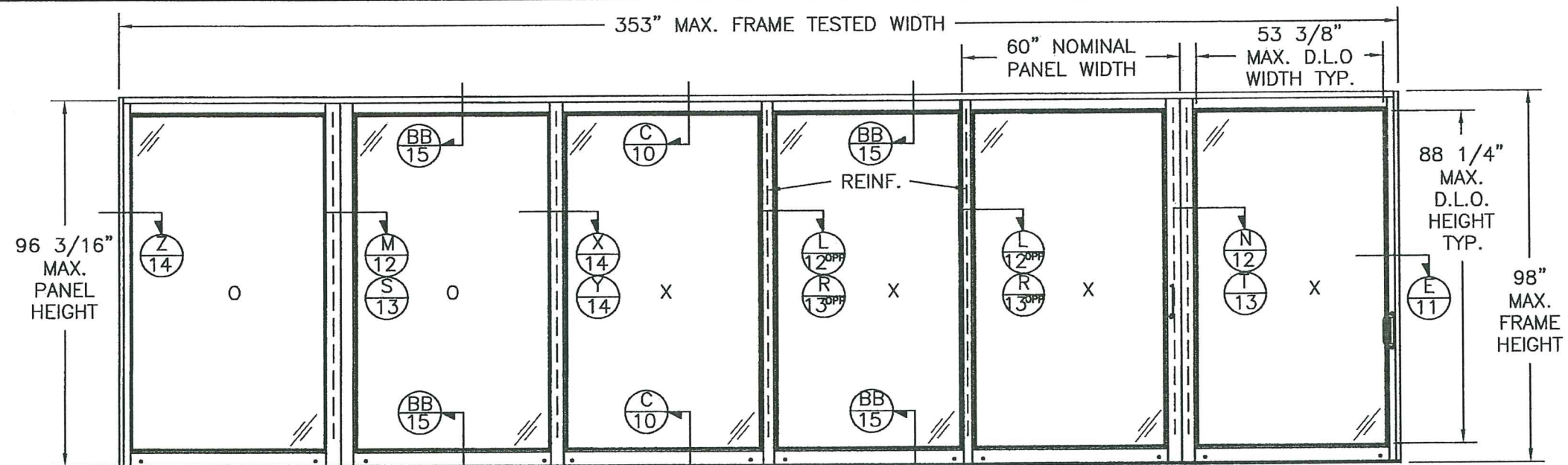
REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT
WITH SILL ITEMS 4, 9 & 14 FOR ADDITIONAL SIZES SEE CHARTS 7, 8 & 9 SHEET 6	

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406.09
Expiration Date 6/2/25
By Ishag I. Linares
Miami Dade Product Control

Revision:

<div>WINDOOR® INCORPORATED</div> <div>WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400</div>		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600						
		REGISTRATION #29296						
Series	SGD7000LMI	Sheet	3 OF 21		DWG No.	SGD7000LMI-NOA	Rev.	
7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0 X 8'2 PANEL)		ELEVATION & HORIZONTAL CROSS SECTIONS		Drawn By	ALAN KINNE		Date	4/03/2020

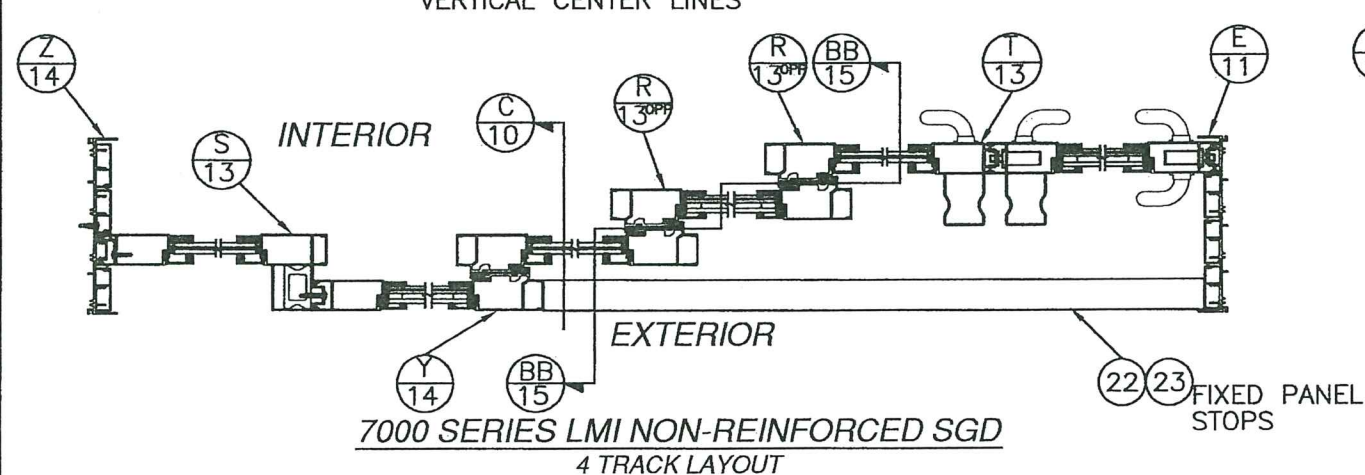




7000 SERIES LMI SGD (OOXXXX)
TYPICAL ELEVATION EXTERIOR VIEW

6" TO
WEEP
WEEP SLOT 1" x .1875"
TYP. LOCATED AT ALL
VERTICAL CENTER LINES

(6) PANELS SHOWN. NUMBER OF PANELS IN LIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS
INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL WIDTH & HEIGHT AND MAXIMUM FRAME
AREA DOES NOT EXCEED TESTED AREA = 240.24FT² AND USE VERTICAL CONDITIONS AS SHOWN.

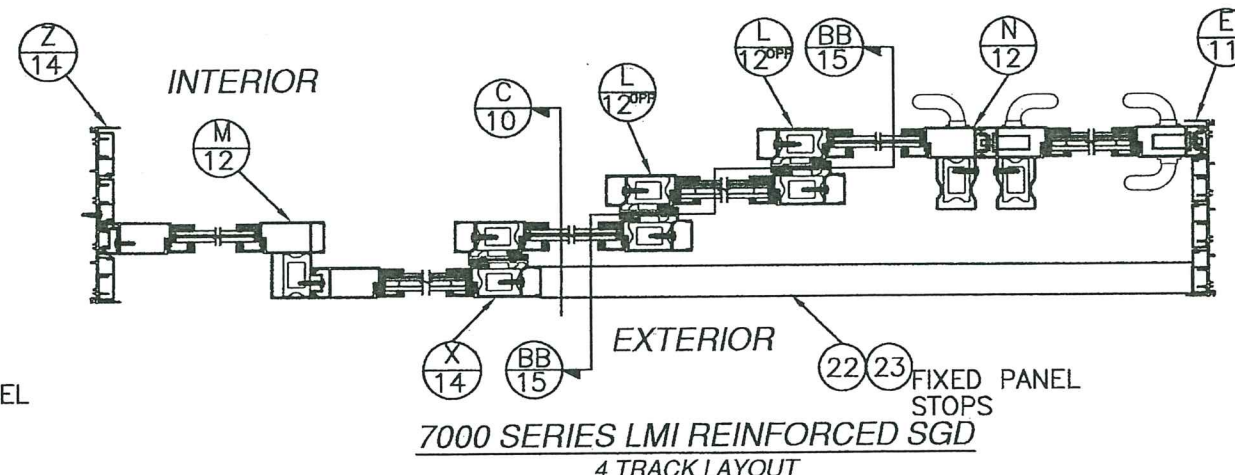


7000 SERIES LMI NON-REINFORCED SGD
4 TRACK LAYOUT

NON-REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 1, 2 & 3 SHEET 5



7000 SERIES LMI REINFORCED SGD
4 TRACK LAYOUT

REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 4, 5 & 6 SHEET 5

REINFORCED

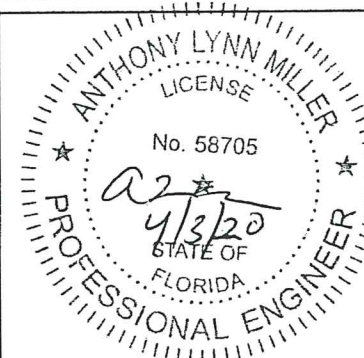
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 4, 9 & 14
FOR ADDITIONAL SIZES SEE CHARTS 7, 8 & 9 SHEET 6

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406-09
Expiration Date 6/2/25
By Anthony L. Miller
Miami Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	4/03/2020	Rev.	
		By	ALAN KINNE	DWG No.	SGD7000LMI-NOA
WINDOOR® INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0" X 8'2" PANEL) ELEVATION & HORIZONTAL CROSS SECTIONS	Sheet	4 OF 21	DWC	SGD7000LMI



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

Chart #1 - Design pressure capacity (psf)
7000 Series Impact Non-reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Units installed in masonry/concrete

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.8	58.8
84.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.6	59.6	56.7	56.7
96.0	60.0	60.0	60.0	60.0	60.0	60.0	58.3	58.3	53.1	53.1	49.3	49.3	46.4	46.4
98.0	60.0	60.0	60.0	60.0	60.0	60.0	56.8	56.8	51.7	51.7	47.9	47.9	45.0	45.0

Chart #2 - Design pressure capacity (psf)
7000 Series Impact Non-Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Units installed into wood framing

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	60.0	60.0	60.0	60.0	53.3	53.3	39.2	39.2	49.7	49.7	46.5	46.5	38.4	38.4
84.0	60.0	60.0	60.0	60.0	53.3	53.3	39.2	39.2	48.0	48.0	44.9	44.9	38.4	38.4
96.0	60.0	60.0	56.9	56.9	49.2	49.2	39.2	39.2	40.0	40.0	37.1	37.1	34.9	34.9
98.0	60.0	60.0	55.5	55.5	48.0	48.0	39.2	39.2	38.9	38.9	36.1	36.1	33.9	33.9

Chart #3
7000 Series Impact Non-Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Number of anchor locations required for wood framing and masonry/concrete installation
Two (2) Anchors per location

Frame Height (in)	Single Panel Width (in)																				
	24.0			30.0			36.0			42.0			48.0			54.0			60.0		
	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster
82.0	1	7	4	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	4
84.0	1	7	4	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	4
96.0	1	8	4	1	8	4	1	8	4	1	8	4	2	8	4	2	8	4	2	8	4
98.0	1	8	4	1	8	4	1	8	4	1	8	4	2	8	4	2	8	4	2	8	4

Chart #4 - Design pressure capacity (psf)
7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Units installed in masonry/concrete

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	58.8	75.0
84.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	59.6	75.0	56.7	75.0
96.0	60.0	75.0	60.0	75.0	60.0	75.0	58.3	75.0	53.1	70.8	49.3	65.7	46.4	61.8
98.0	60.0	75.0	60.0	75.0	60.0	75.0	56.8	75.0	51.7	68.9	47.9	63.8	45.0	60.0

Chart #5 - Design pressure capacity (psf)
7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Units installed into wood framing

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	60.0	75.0	60.0	68.8	53.3	53.3	54.0	54.0	49.7	49.7	47.4	47.4	57.6	57.6
84.0	60.0	75.0	60.0	66.8	53.3	53.3	52.2	52.2	48.0	48.0	47.4	47.4	56.7	57.6
96.0	60.0	68.6	56.9	56.9	49.2	49.2	58.3	65.8	53.1	60.0	47.4	47.4	46.4	52.4
98.0	60.0	67.0	55.5	55.5	48.0	48.0	56.8	64.1	51.7	58.4	47.4	47.4	38.4	38.4

Chart #6
7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Number of anchor locations required for wood framing and masonry/concrete installation
Two (2) Anchors per location

Frame Height (in)	Single Panel Width (in)																				
	24.0			30.0			36.0			42.0			48.0			54.0			60.0		
	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster
82.0	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	6	3	7	6
84.0	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	6	3	7	6
96.0	1	8	4	1	8	4	1	8	4	2	8	6	2	8	6	2	8	6	3	8	6
98.0	1	8	4	1	8	4	1	8	4	2	8	6	2	8	6	2	8	6	2	8	6

S = SILL
H = HEAD
IL = INTERLOCK
MS = MEETING STILE

NOTE:

- TWO (2) ANCHORS PER LOCATION IS REQUIRED. TOTAL NUMBER OF ANCHORS MUST BE TWICE THE NUMBER OF ANCHORS SHOWN IN CHARTS. EXCEPT FOR POCKET JAMB ANCHORS.

EXAMPLE:

ANCHORS FOR A UNIT WITH 24" WIDE PANELS AND 98" FRAME HEIGHT (SEE CHARTS #3 AND #10 POCKET JAMB).

- HEAD INTERMEDIATE ANCHOR LOCATIONS: 1
- JAMB ANCHOR LOCATIONS: 8
- SILL INTERMEDIATE ANCHOR LOCATIONS: 1
- IL/MS CLUSTER ANCHOR LOCATIONS: 4
- POCKET ANCHOR LOCATIONS: 9

- TOTAL HEAD ANCHORS: 2
- TOTAL JAMB ANCHORS: 16
- TOTAL SILL ANCHORS: 2
- TOTAL IL/MS CLUSTER ANCHORS: 8
- TOTAL POCKET ANCHORS: 9

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 20-0406-09
Expiration Date 6/2/25
By Anthony Lynn Miller
Miami Dade Product Control

Revision:

WINDOOR® INCORPORATED WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	4/03/2020 Date 4/03/2020 By ALAN KINNE Drawn SGD7000LMI-NOA	5 OF 21 Sheet SGD7000LMI

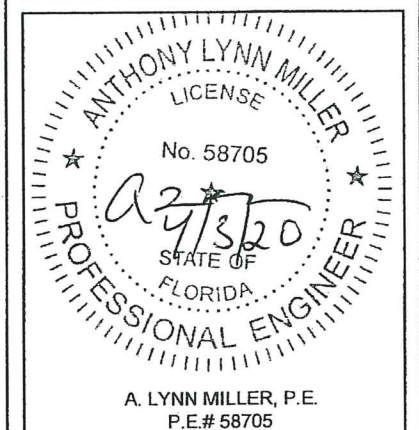


Chart #7 - Design pressure capacity (psf)

7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 3 1/8" high sill riser with items 4, 9 & 14
Units installed in masonry/concrete

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
84.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
96.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	70.8	70.8	65.7	65.7	61.8	61.8
98.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	68.9	68.9	63.8	63.8	60.0	60.0

Chart #8 - Design pressure capacity (psf)

7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 3 1/8" high sill riser with items 4, 9 & 14
Units installed into wood framing

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	75.0	75.0	68.8	68.8	53.3	53.3	54.0	54.0	49.7	49.7	47.4	47.4	57.6	57.6
84.0	75.0	75.0	66.8	66.8	53.3	53.3	52.2	52.2	48.0	48.0	47.4	47.4	57.6	57.6
96.0	68.6	68.6	56.9	56.9	49.2	49.2	65.8	65.8	60.0	60.0	47.4	47.4	52.4	52.4
98.0	67.0	67.0	55.5	55.5	48.0	48.0	64.1	64.1	58.4	58.4	47.4	47.4	38.4	38.4

Chart #9

7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Number of anchor locations required for wood framing and masonry/concrete installation
Two (2) Anchors per location

Frame Height (in)	Single Panel Width (in)																				
	24.0			30.0			36.0			42.0			48.0			54.0			60.0		
	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster
82.0	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	6	3	7	6
84.0	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	6	3	7	6
96.0	1	8	4	1	8	4	1	8	4	2	8	6	2	8	6	2	8	6	3	8	6
98.0	1	8	4	1	8	4	1	8	4	2	8	6	2	8	6	2	8	6	2	8	6

Chart #10

Pocket Jamb Anchor Locations

Number of anchor locations required for wood framing and masonry/concrete installation
(1) Anchor per location

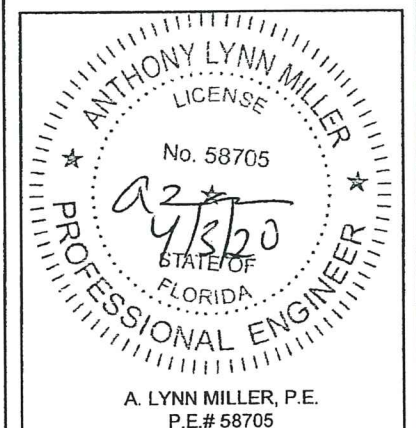
Frame Height (in)	Single Panel Width (in)						
	24.0	30.0	36.0	42.0	48.0	54.0	60.0
	Hook	Hook	Hook	Hook	Hook	Hook	Hook
82.0	8	8	8	8	8	8	8
84.0	8	8	8	8	8	8	8
96.0	9	9	9	9	9	9	9
98.0	9	9	9	9	9	9	9

**FOR NOMENCLATURE AND ANCHOR EXAMPLE
SEE SHEET 5**

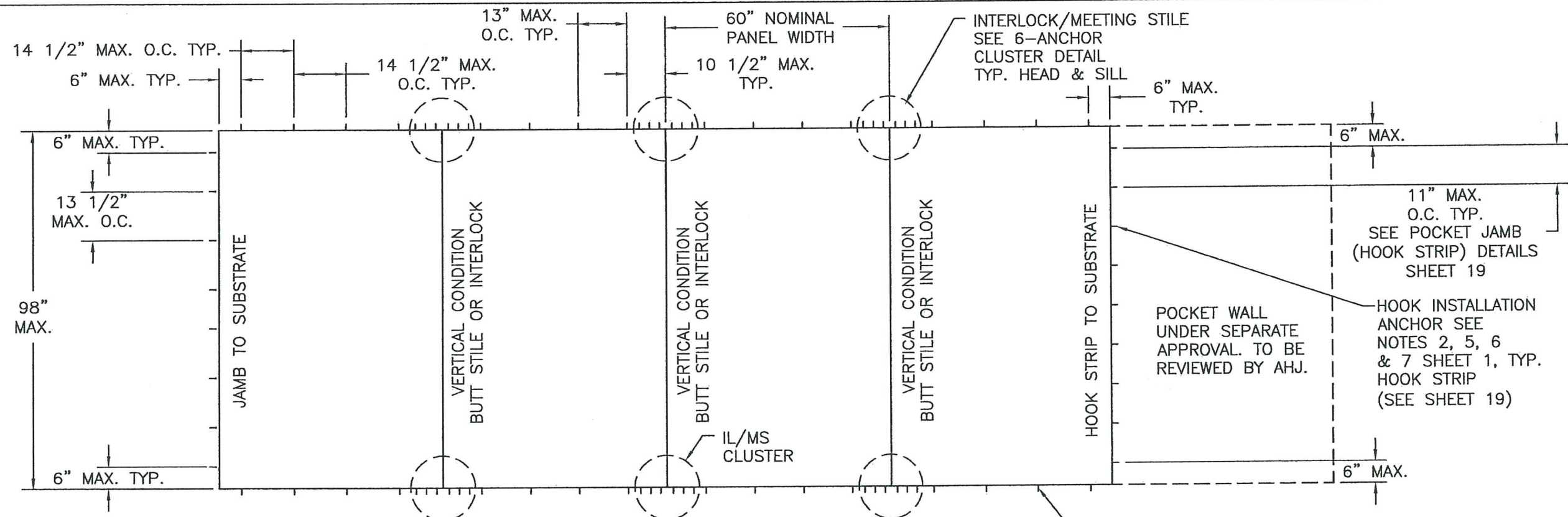
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406.09
Expiration Date 6/2/25
By 166-9116-1
Miami Dade Product Control

Revision:

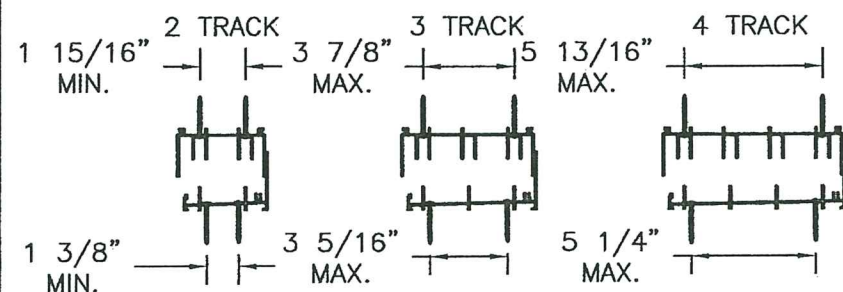
WINDOOR® INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400 7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0 X 8'2 PANEL)	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		4/03/2020		ALAN KINNE		SGD7000LMI-NOA	
	CHARTS		SGD7000LMI		6 OF 21		DWG		No.	
	Title		Desc.		By		Date		Rev.	
	Sheet		No.		Title		Desc.		Rev.	



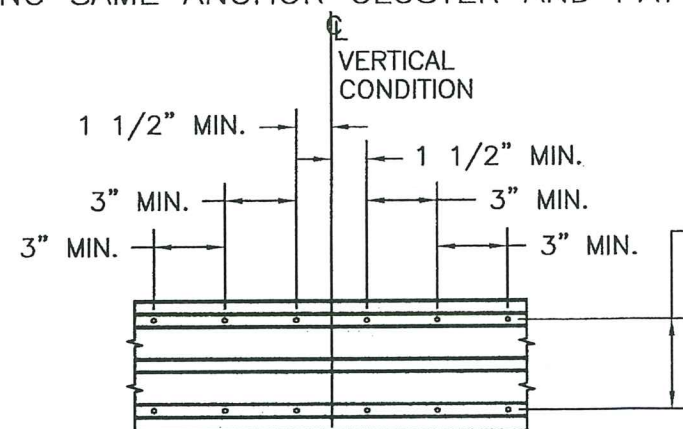
A. LYNN MILLER, P.E.
P.E.# 58705



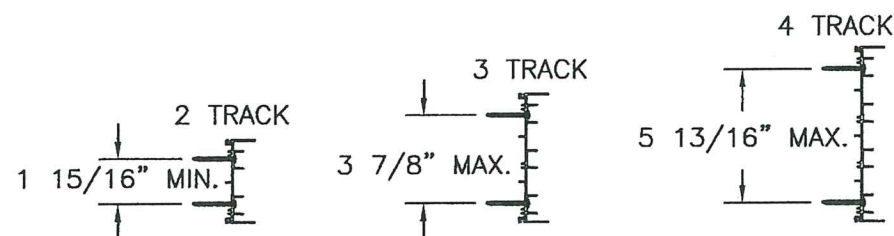
ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS
INSTALLATION 4-PANEL UNIT SHOWN, APPLICABLE TO ALL
CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN



HEAD & SILL ANCHORAGE LOCATIONS
NON-REINFORCED AND REINFORCED AT HEAD AND SILL
(FOR FURTHER DETAILS SEE SHEETS 16, 17 AND 18)



6-ANCHOR CLUSTER (TOTAL 12 ANCHORS)
DETAIL AT INTERLOCK/MEETING STILE
TYP. 2 TRACK, 3 TRACK AND 4 TRACK NON-REINFORCED
AND REINFORCED AT HEAD & SILL

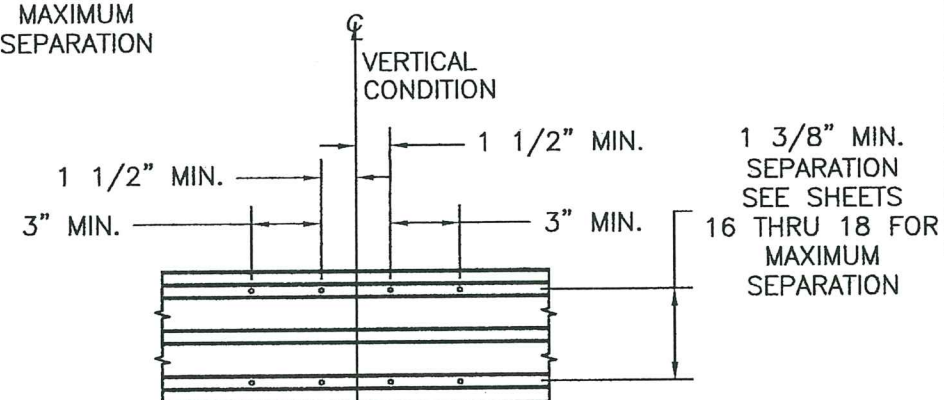


JAMB ANCHORAGE LOCATIONS
NON-REINFORCED AND REINFORCED AT JAMBS. (FOR
FURTHER DETAILS SEE SHEETS 16, 17 AND 18)



POCKET
ANCHORAGE LOCATIONS
NON-REINFORCED AND REINFORCED
AT HOOK STRIP
(FOR FURTHER DETAILS SEE SHEET 19)

TWO (2) INSTALLATION ANCHORS
PER LOCATION (EXCEPT HOOK STRIP)
SEE NOTES 1, 3, 4, 5
& 6 SHEET 1, TYP. HEAD
SILL AND JAMBS

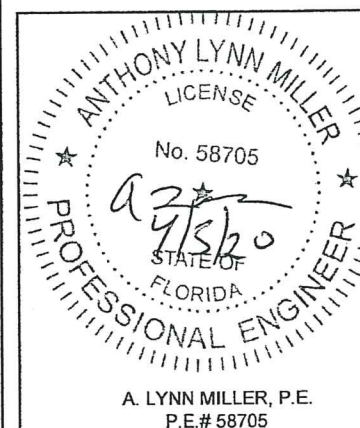


4-ANCHOR CLUSTER DETAIL
(8 ANCHORS TOTAL) AT INTERLOCK/MEETING STILE
TYP. 2 TRACK, 3 TRACK AND 4 TRACK
NON-REINFORCED AND REINFORCED AT HEAD & SILL

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-04609
Expiration Date 6/2/25
By [Signature]
Miami Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date 4/03/2020	By ALAN KINNE	Dwg No. SGD7000LMI-NOA	Rev.
WINDOOR® INCORPORATED WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	7000 SERIES LMI REINFORCED & NON-REINFORCED (50 X 82 PANEL)	ANCHORING LAYOUT & NOTES	Sheet 7 OF 21	Series SGD7000LMI	



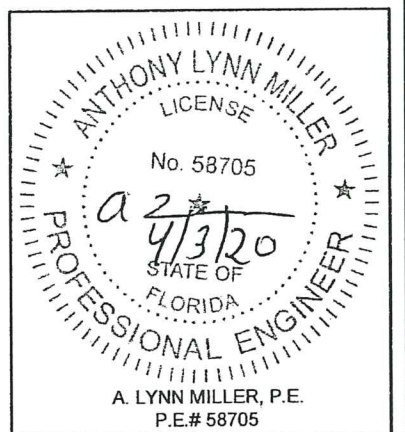
A. LYNN MILLER, P.E.
P.E.# 58705

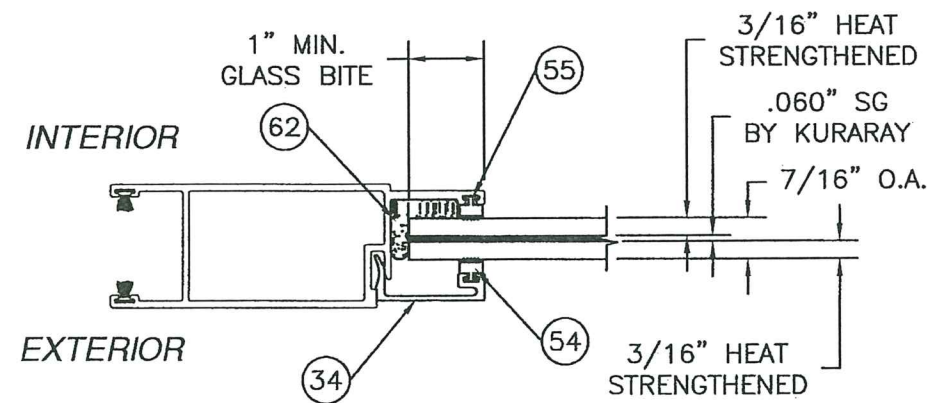
PARTS LIST								
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL				
1	FS-04522	2 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6	43	PJS-7623-09-SN	SCREEN ROLLER	SULLIVAN
2	FS-04531	2 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6	44		GLAZING, SEE SHT. 9 FOR DETAILS	
3	FS-04525	2 TRACK SILL PAN W/2 1/2" RISER	KEYMARK	ALUMINUM 6063-T6	45		#8 x 1/4" PH TYPE F SCREW	STAINLESS STEEL
4	FS-04526	2 TRACK SILL PAN W/3 1/8" RISER	KEYMARK	ALUMINUM 6063-T6	46		#8 x 3/4" PH TEK SCREW	410 STAINLESS
5	FS-04529	2 TRACK FRAME SILL PAN INSERT	KEYMARK	ALUMINUM 6063-T6	47		#10 x 1 1/4" SQ. DRIVE SCREW	18-8 STAINLESS
6	FS-04511	3 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6	48		#8 x 1" PH TYP F SCREW	STAINLES STEEL
7	FS-04510	3 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6	49		#10 x 1" PH TEK SCREW	ALUMINUM 6063-T6
8	FS-04506	3 TRACK SILL PAN W/2 1/2" RISER	KEYMARK	ALUMINUM 6063-T6	50		#10 CUT THREAD WOOD SCREW	
9	FS-04507	3 TRACK SILL PAN W/3 1/8" RISER	KEYMARK	ALUMINUM 6063-T6	51		3/16" ITW TAPCON	ITW BUILDEX CARBON STAINLESS
10	FS-04508	3 TRACK FRAME SILL PAN INSERT	KEYMARK	ALUMINUM 6063-T6	52	FH-02300	WS SCREEN BOTTOM RAIL	KEYMARK ALUMINUM 6063-T6
11	FS-04523	4 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6	53	FH-02300	WS SCREEN TOP RAIL	KEYMARK ALUMINUM 063-T6
12	FS-04532	4 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6	54	GS-VN-07A	3/16" GLASS STOP VINYL	VINYL
13	FS-04527	4 TRACK SILL PAN W/2 1/2" RISER	KEYMARK	ALUMINUM 6063-T6	55	GS-VN-06A	1/4" GLASS STOP VINYL	VINYL
14	FS-04528	4 TRACK SILL PAN W/3 1/8" RISER	KEYMARK	ALUMINUM 6063-T6	56	GS-VN-05A	3/4" GLASS STOP VINYL & FIXED	VINYL
15	FS-04530	4 TRACK FRAME SILL PAN INSERT	KEYMARK	ALUMINUM 6063-T6	57	FH-02395	WS SCREEN STILE	KEYMARK ALUMINUM 6063-T6
16	FS-04313	FRAME HEAD TRACK COVER	KEYMARK	ALUMINUM 6063-T6	58	W332217K0000	.220" FIN WEATHERSTRIP	
17	FS-04501	RECESSED JAMB TRACK COVER	KEYMARK	ALUMINUM 6063-T6	59	W234017K0000	.400" FIN WEATHERSTRIP	
18	FS-04509	FLUSH JAMB COVER	KEYMARK	ALUMINUM 6063-T6	60	W333517K0000	.350" FIN WEATHERSTRIP	
19	FS-03684	HOOK STRIP BASE	KEYMARK	ALUMINUM 6063-T6	61		GLASS SETTING BLOCK	
20	FS-04476	HOOK STRIP WALL COVER	KEYMARK	ALUMINUM 6063-T6	62	SIKAFAST 552	GLAZING COMPOUND	SIKA CORP. POLYURETHANE
21	FS-04477	HOOK STRIP WALL MOUNT	KEYMARK	ALUMINUM 6063-T6	63		SILICONE CAULK	PECORA SILICONE
22	FS-04535	PANEL STOP SILL COVER	KEYMARK	ALUMINUM 6063-T6	64		WEEP COVER/GATE	
23	FS-04332	PANEL STOP HEAD COVER	KEYMARK	ALUMINUM 6063-T6	65		#8 x 3/8" PH TYPE F SCREW	STAINLESS STEEL
24	FS-04631	TOP AND BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6	66		#8 x 3/4" PH TEX SCREW	STAINLESS STEEL
25	FS-04327	PANEL LOCK/PLAIN STILE	KEYMARK	ALUMINUM 6063-T6	67	FS-02209	WS SCREEN SWEEP	KEYMARK ALUMINUM 6063-T6
26	FS-04516	PANEL INTERLOCK STILE LEFT	KEYMARK	ALUMINUM 6063-T6	68	SGD200	SCREEN HANDLE & LOCK	SULIVAN
27	FS-04515	PANEL INTERLOCK STILE RIGHT	KEYMARK	ALUMINUM 6063-T6	69		FIBERGLASS SCEEN MESH	FIBERGLASS
28	FS-04789	MALE BUTT STILE	KEYMARK	ALUMINUM 6063-T6	70		SCREEN SPLINE	
29	FS-04790	LOCKING BUTT STILE	KEYMARK	ALUMINUM 6063-T6	71		ALUMINUM 3/8" NOMINAL SPACER	HELIMA ALUMINUM
30	FS-04505	INTERIOR FIXED BUTT STILE	KEYMARK	ALUMINUM 6063-T6	72	FS-04791	FIXED PANEL Z-CLIP	KEYMARK ALUMINUM 6063-T6
31	FS-04504	EXTERIOR FIXED BUTT STILE	KEYMARK	ALUMINUM 6063-T6	73		#10 x 3/4" PPH TEK SCREW	STAINLESS STEEL
32	FS-04503	INTERLOCK REINF. BAR, FULL LENGTH	KEYMARK	ALUMINUM 6005-T5				
33	FS-04312	BUTT STILE/INTERLOCK COVER	KEYMARK	ALUMINUM 6063-T6				
34	FS-04533	9/16" GLASS STOP	KEYMARK	ALUMINUM 6063-T6				
35	FS-04524	3/4" GLASS STOP	KEYMARK	ALUMINUM 6063-T6				
36	5000 SS PDR	TANDEM ROLLER SS						
37	2186MI-INT	TRADITIONAL INTERNAL HANDLE						
38	2186MI-DM	TRADITIONAL EXTERIOR HANDLE						
39	7014 SS DLPA	DUAL POINT MORTISE LOCK SET						
40	OW11023BOR750375	RUBBER PANEL BUMPER						
41	V-INT TP 876	INTERLOCK BUMPER						
42		#8 x 1 1/4" SQ. DRIVE SCREW		18-8 STAINLESS				

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 20-040609
Expiration Date 6/2/25
By Ishag I. Chinn
Miami Dade Product Control

Revision:

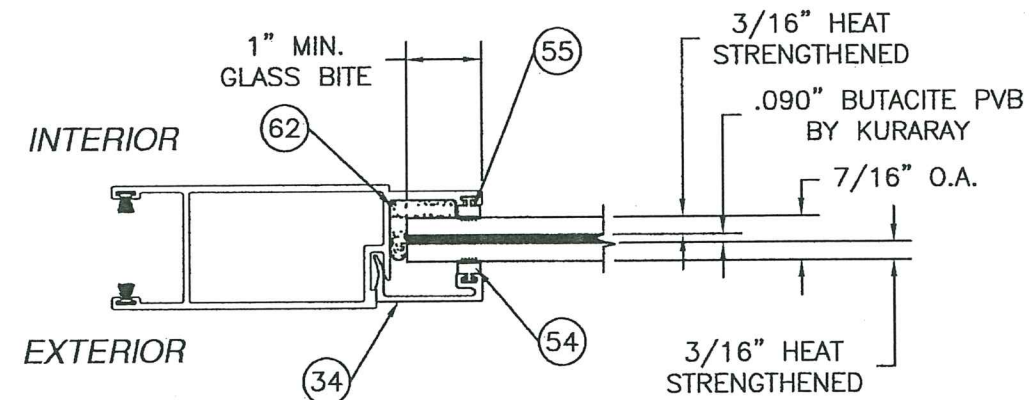
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	4/03/2020	Rev.	
		By	ALAN KINNE	DWG	SGD7000LMI-NOA
		7000 SERIES LMI REINFORCED & NON-REINFORCED (50 X 82 PANEL)		8 OF 21	
		BILL OF MATERIALS		Sheet	SGD7000LMI
WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400		Series Desc. Title 7000 SERIES LMI REINFORCED & NON-REINFORCED (50 X 82 PANEL)			





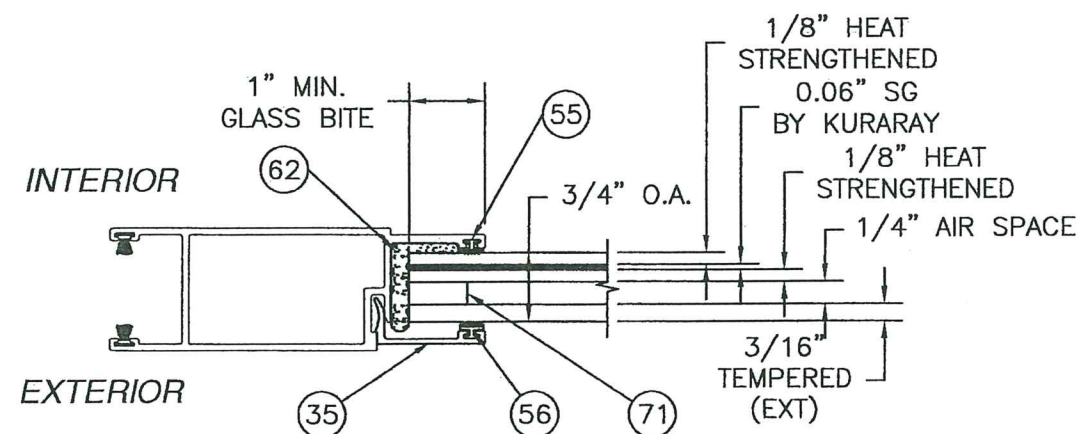
GLAZING TYPE A

7/16" LAMINATED HEAT STRENGTHENED W/.060" SG BY KURARAY = CONSISTS OF 3/16" HS + .060" SG BY KURARAY + 3/16" HS



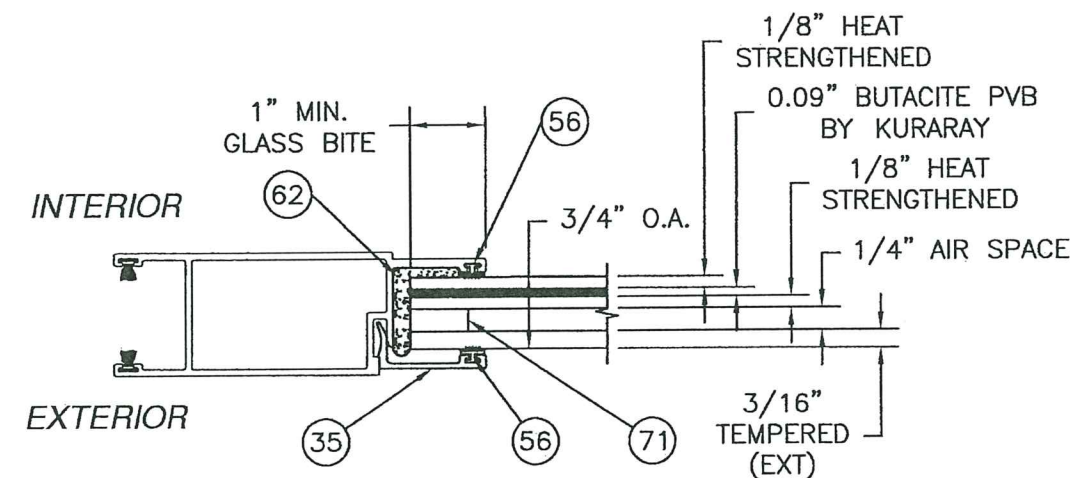
GLAZING TYPE B

7/16" (.465" NOMINAL) LAMINATED HEAT STRENGTHENED W/.090" BUTACITE PVB BY KURARAY = CONSISTS OF 3/16" HS + .090" BUTACITE PVB BY KURARAY + 3/16" HS



GLAZING TYPE C

3/4" I.G. TEMPERED/HEAT STRENGTHENED W/.060" SG BY KURARAY = CONSISTS OF 3/16" TEMP EXT + 1/4" AIR + 1/8" HS + .060" SG BY KURARAY + 1/8" HS



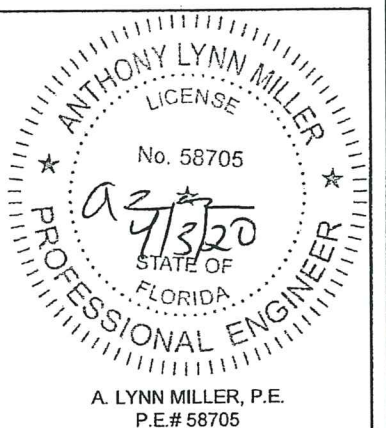
GLAZING TYPE D

3/4" I.G. TEMPERED/HEAT STRENGTHENED W/.090" BUTACITE PVB BY KURARAY = CONSISTS OF 3/16" TEMP EXT + 1/4" AIR + 1/8" HS + .090" BUTACITE PVB BY KURARAY + 1/8" HS

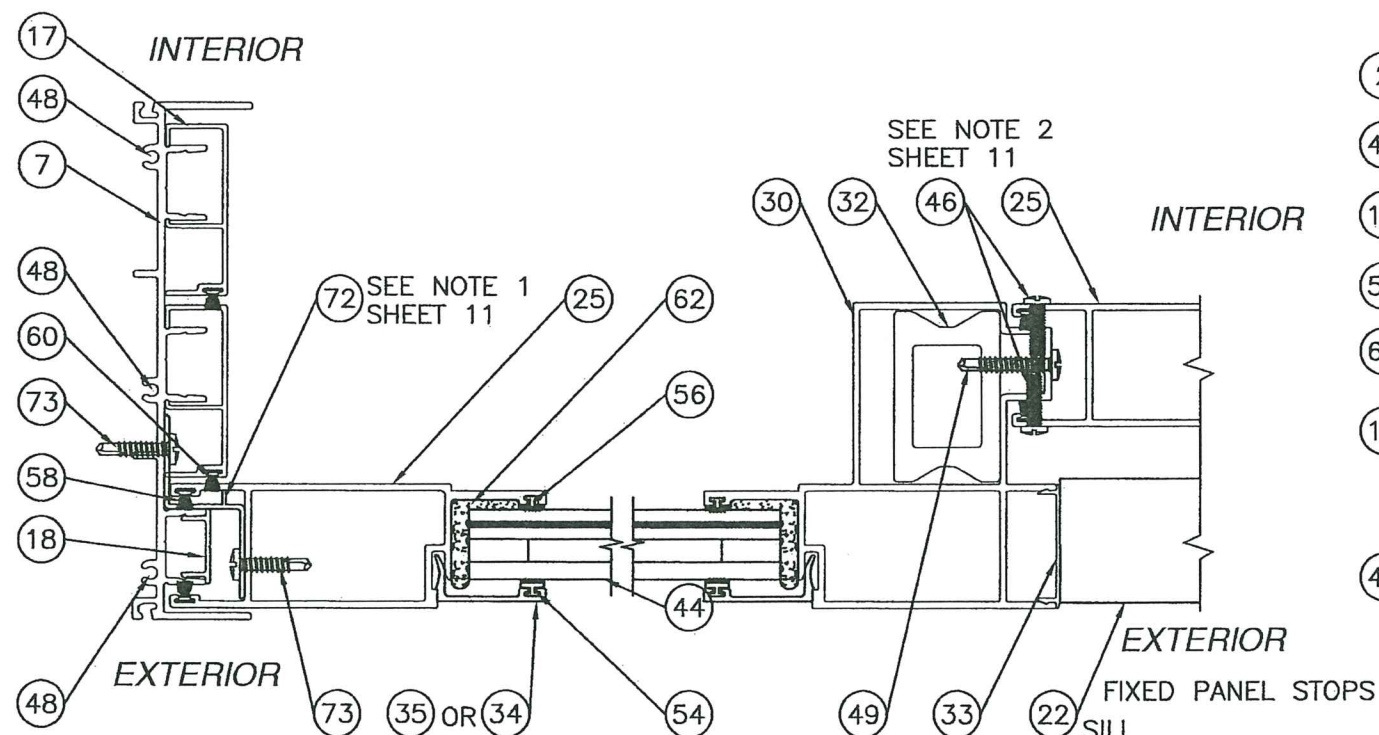
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406-09
Expiration Date 6/2/25
By 16-7-1-11-11
Miami Dade Product Control

Revision:

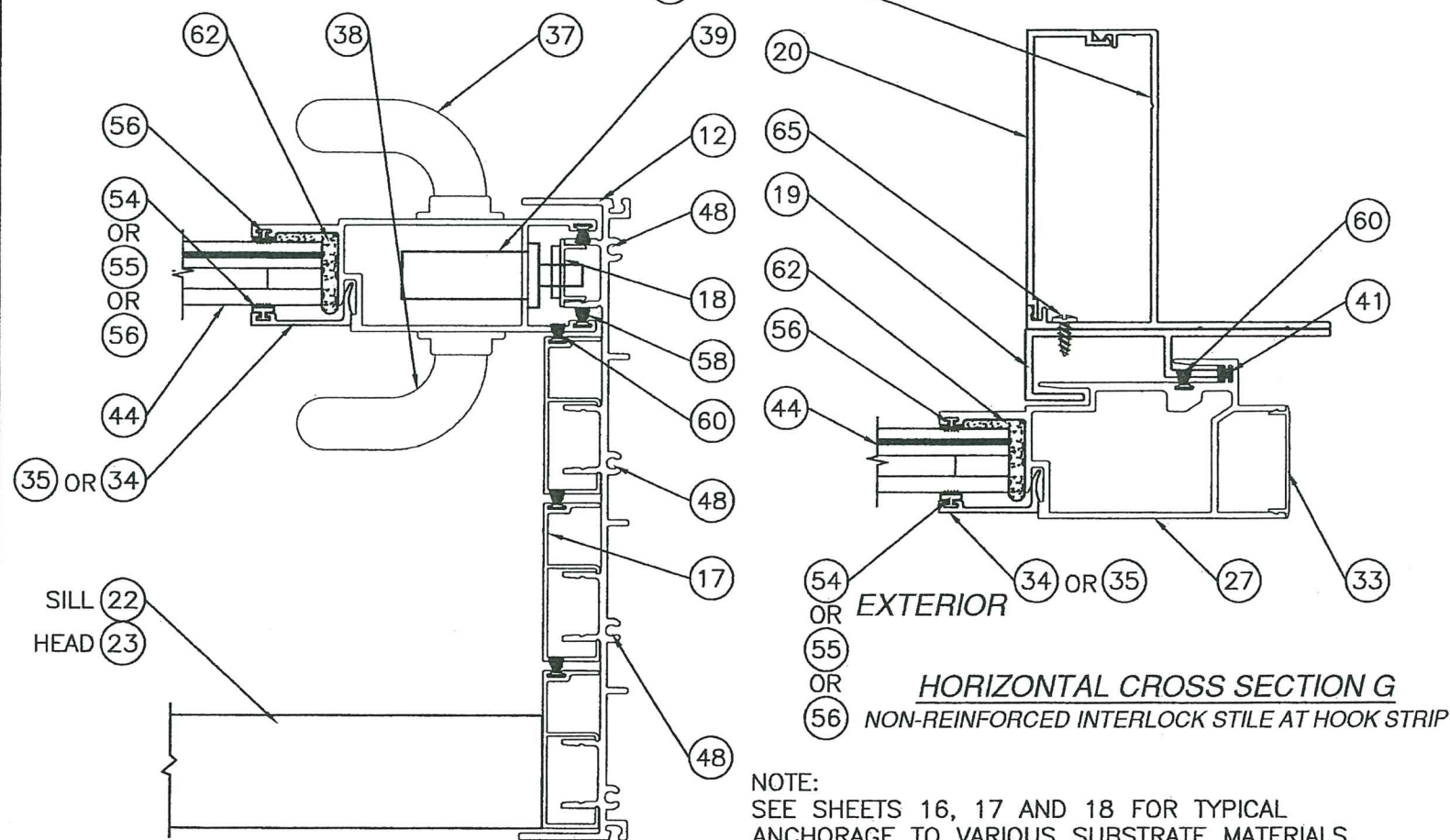
WINDOOR® INCORPORATED WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date 4/03/2020	By ALAN KINNE	DWG No. SGD7000LMI-NOA	Rev.
7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0" X 8'2" PANEL)	GLAZING DETAILS	SGD7000LMI	9 OF 21	Sheet	Title	Series



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

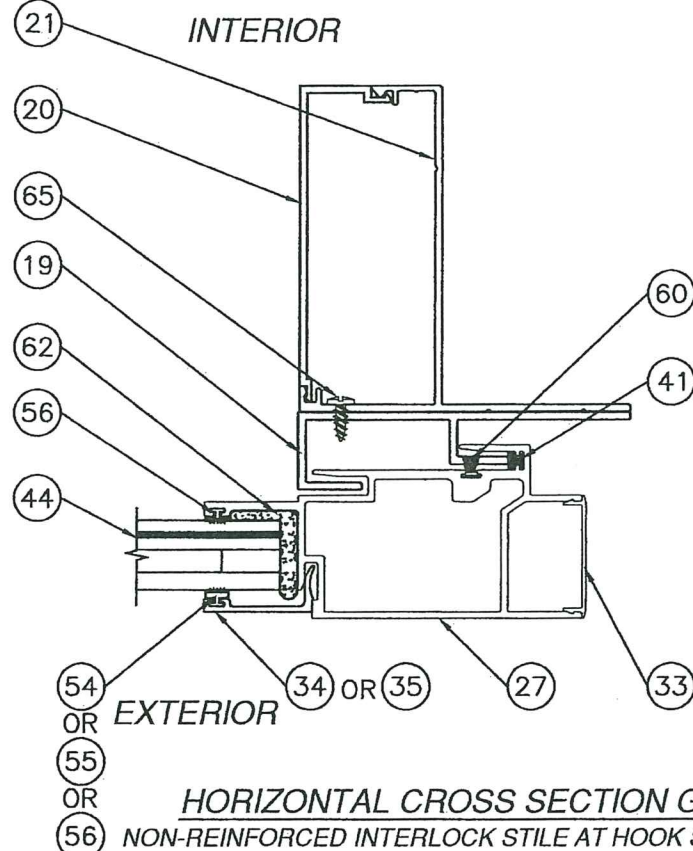


HORIZONTAL CROSS SECTION D
PLAIN STILE AT 3 TRACK JAMB

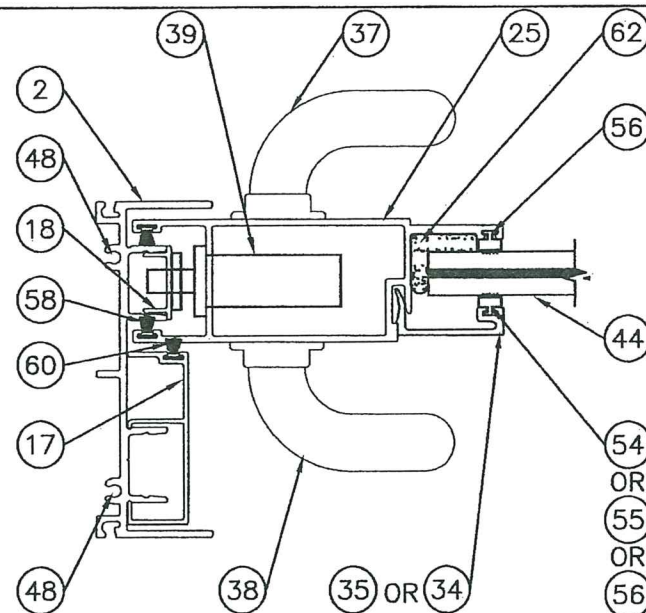


HORIZONTAL CROSS SECTION E
LOCK STILE AT 4 TRACK JAMB

NOTE:
SEE SHEETS 16, 17 AND 18 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH TRACK SYSTEM. OTHER TRACK SYSTEMS ARE SIMILAR. SEE SHEET 7.

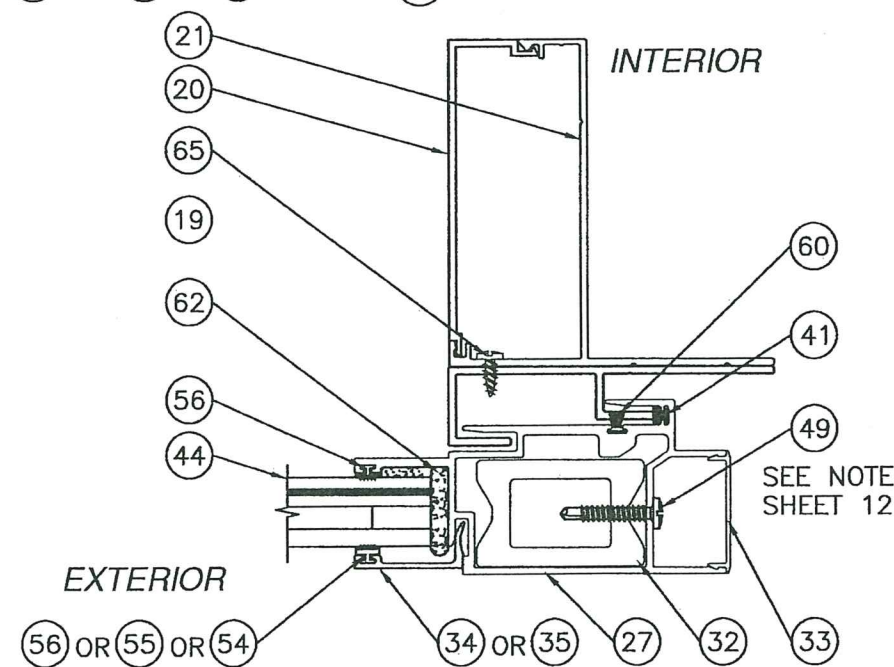


HORIZONTAL CROSS SECTION G
NON-REINFORCED INTERLOCK STILE AT HOOK STRIP



HORIZONTAL CROSS SECTION F
LOCK STILE AT 2 TRACK JAMB

NOTE:
HORIZONTAL SECTIONS
ILLUSTRATED WITHOUT
SUBSTRATE.



HORIZONTAL CROSS SECTION H
REINFORCED INTERLOCK STILE AT HOOK STRIP

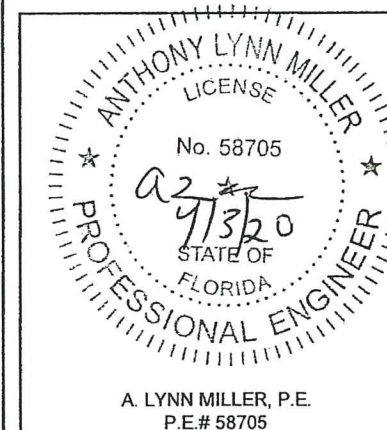
FIXED PANEL NOTES:
1. FIXED PANEL TO JAMB CONDITION:
FIXED PANEL IS SECURED TO JAMB USING (2) Z-CLIPS, ITEM #72, Z-CLIPS ARE LOCATED 24" FROM TOP OF PANEL DOWN AND 24" FROM BOTTOM OF PANEL UP. EACH Z-CLIP IS ATTACHED TO PANEL AND JAMB WITH (3) #10 x 3/4" PPH TEK SCREWS, ITEM #73. REFER TO SHEET 11 SECTION D AND FIXED PANEL STOPS, SILL COVER (ITEM #22) & HEAD COVER (ITEM #23) AND SHEET 14 AND SECTION Z.
2. FIXED PANEL TO FIXED PANEL CONDITION:
FIXED PANELS ARE SECURED TOGETHER USING #8 x 3/4" PH TEK SCREW, ITEM #46, SCREWS ARE INSTALLED ON PANELS INTERIOR AND EXTERIOR AND ARE LOCATED 4" FROM TOP AND BOTTOM AND IN THE CENTER. REFER TO SHEET 11 SECTION D, AND FIXED PANEL STOPS, SILL COVER (ITEM #22) & HEAD COVER (ITEM #23) SHEET 12 SECTION O, SHEET 13 SECTION U, SHEET 14 SECTION CC AND DD.

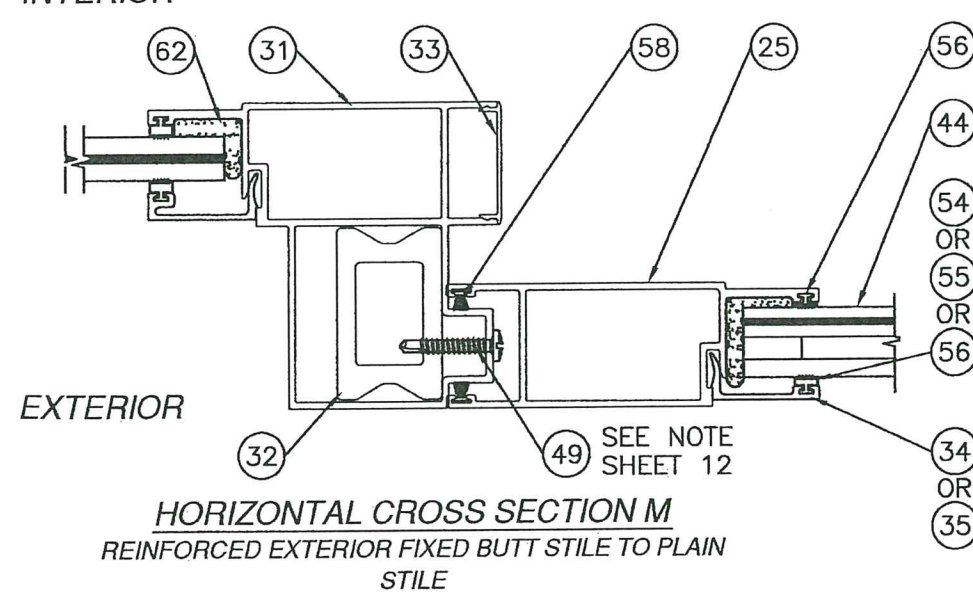
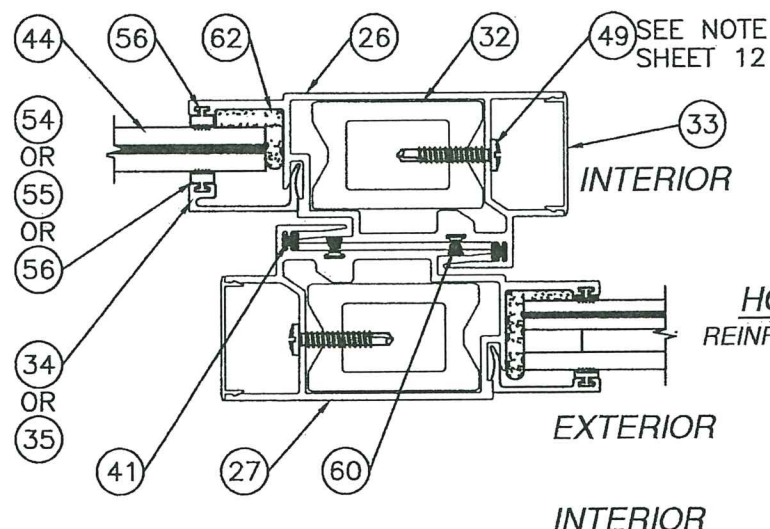
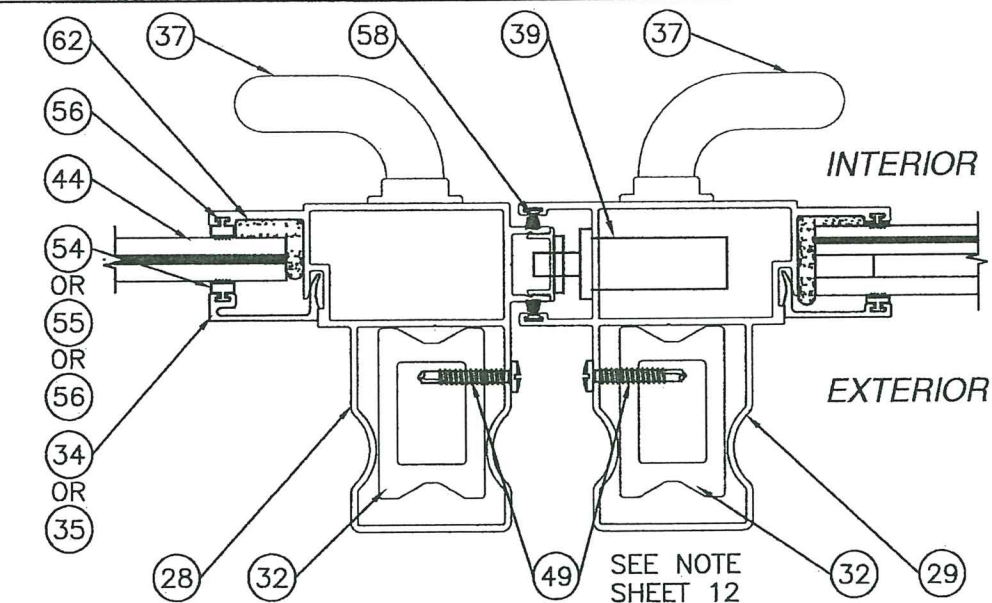
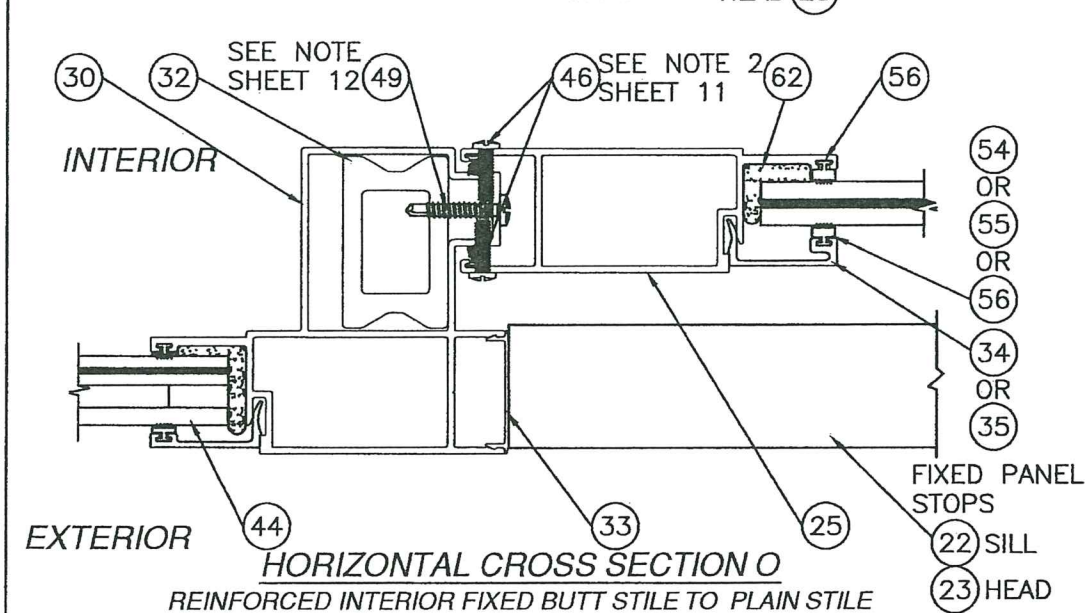
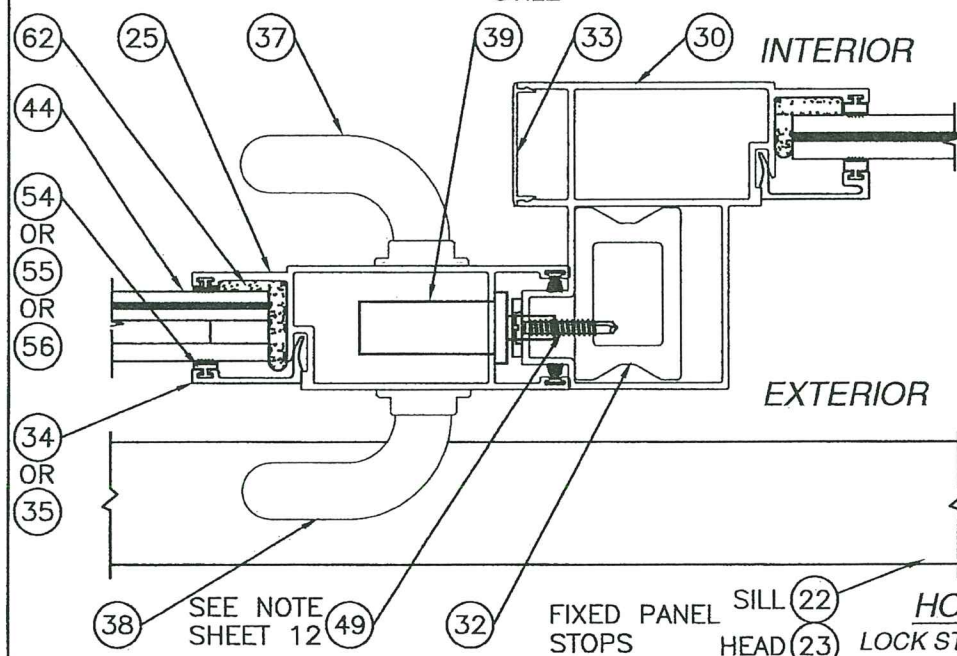
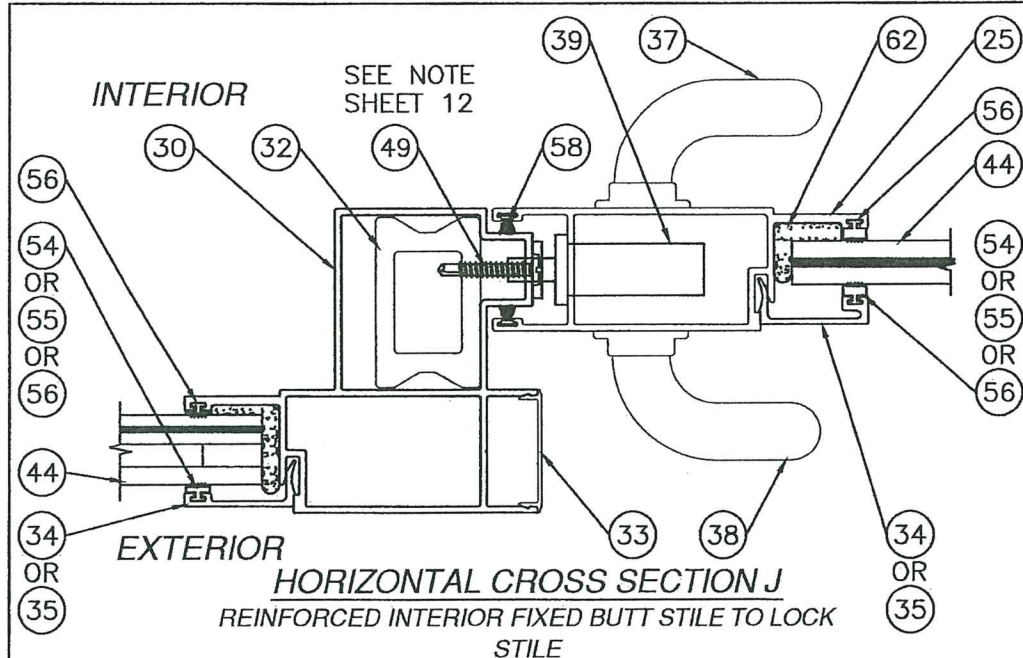
NON-REINFORCED/
REINFORCED UNITS
OPERABLE JAMB CONDITION

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406-09
Expiration Date 6/2/25
By *[Signature]*
Miami Made Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date 4/03/2020	By ALAN KINNE	DWC No. SGD7000LMI-NOA
WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0" X 8'2" PANEL)	Horizontal Cross Sections	11 OF 21	Sheet SGD7000LMI





NOTE:
HORIZONTAL SECTIONS
ILLUSTRATED WITHOUT
SUBSTRATE.

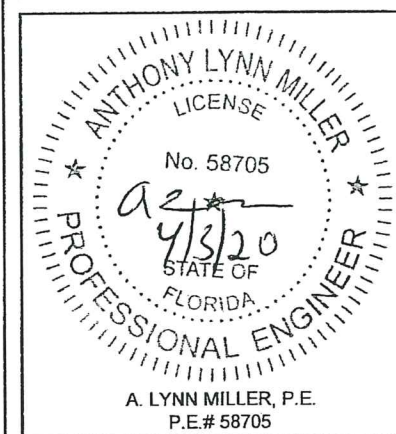
REINFORCING BAR NOTE:
ITEM #32, INTERLOCK REINFORCING BAR, IS
SECURED TO THE INTERLOCK LEFT #26,
INTERLOCK RIGHT #27, MALE BUTT STILE #28,
LOCKING BUTT STILE #29 INTERIOR FIXED BUTT
STILE #30 AND EXTERIOR FIXED BUTT STILE #31
WITH ITEM #49, #10 x 1" TEK SCREW SPACED
6" FROM TOP AND BOTTOM AND ONE IN THE
CENTER.

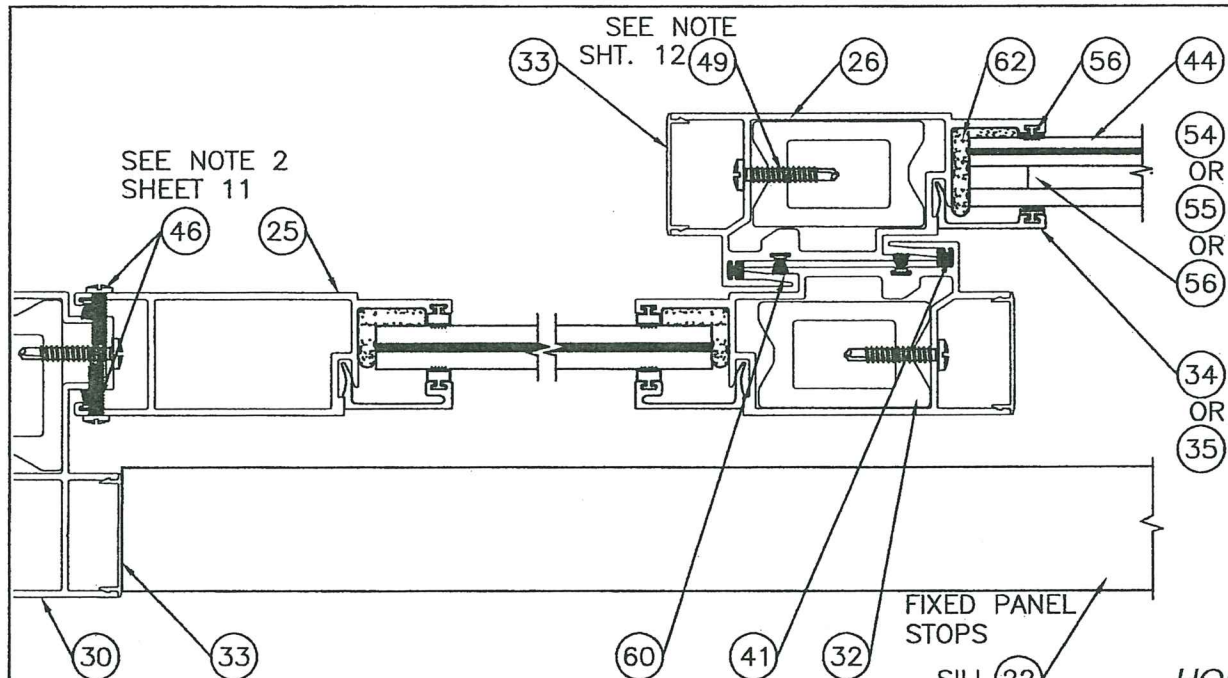
REINFORCED UNITS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406.09
Expiration Date 6/2/25
By [Signature]
Miami Dade Product Control

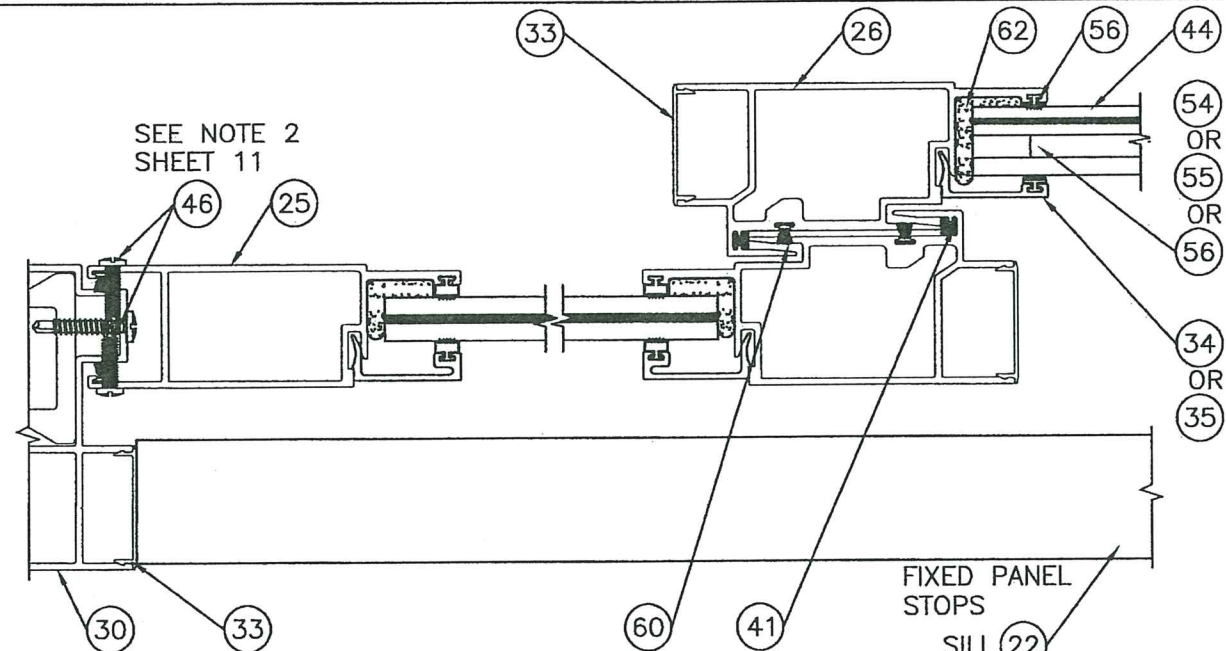
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	4/03/2020	By	ALAN KINNE	Rev.	SGD7000LMI-NOA
WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0 X 8'2 PANEL)	Title	HORIZONTAL CROSS SECTIONS	Sheet	12 OF 21	Dwg	SGD7000LMI

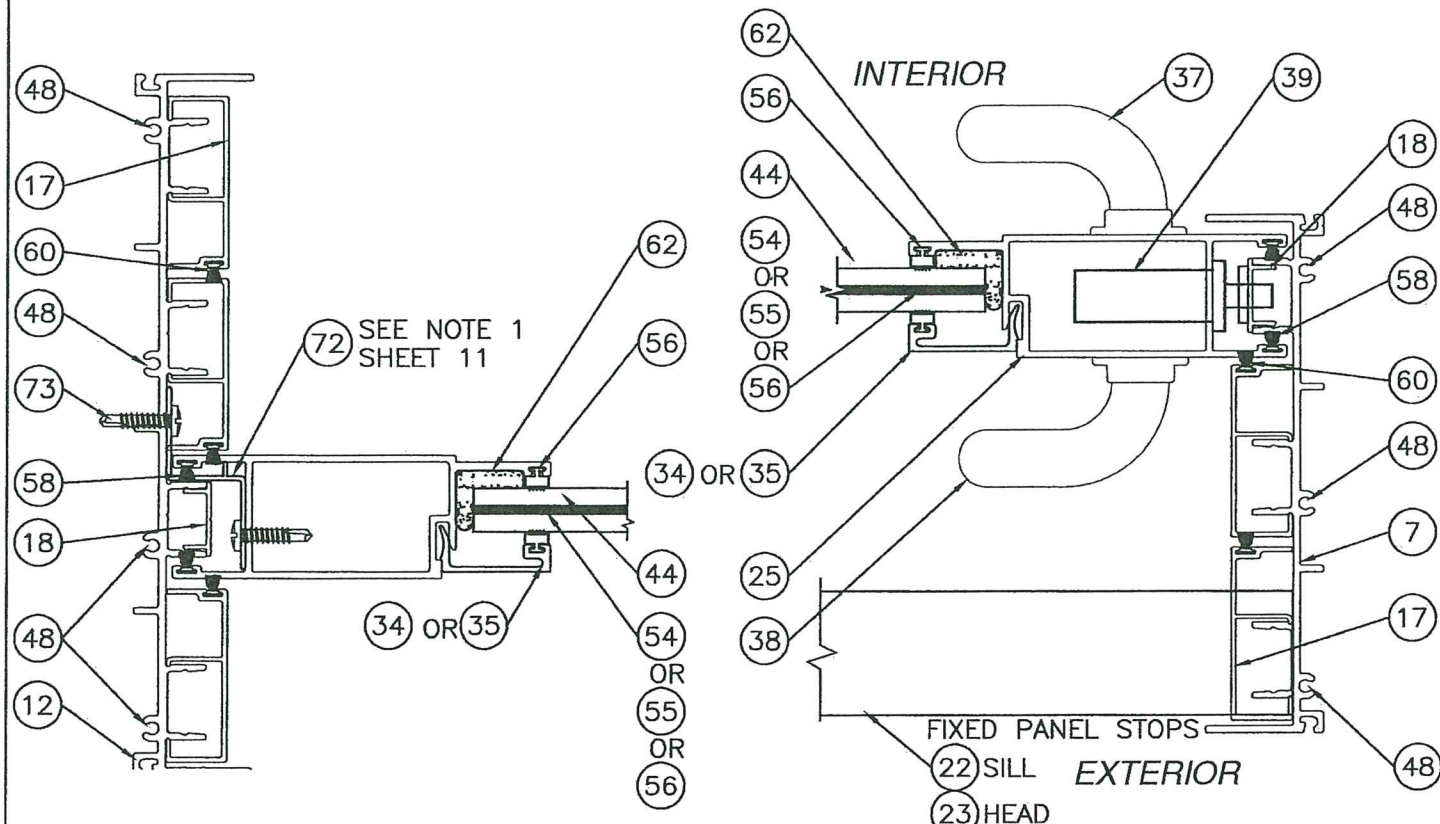




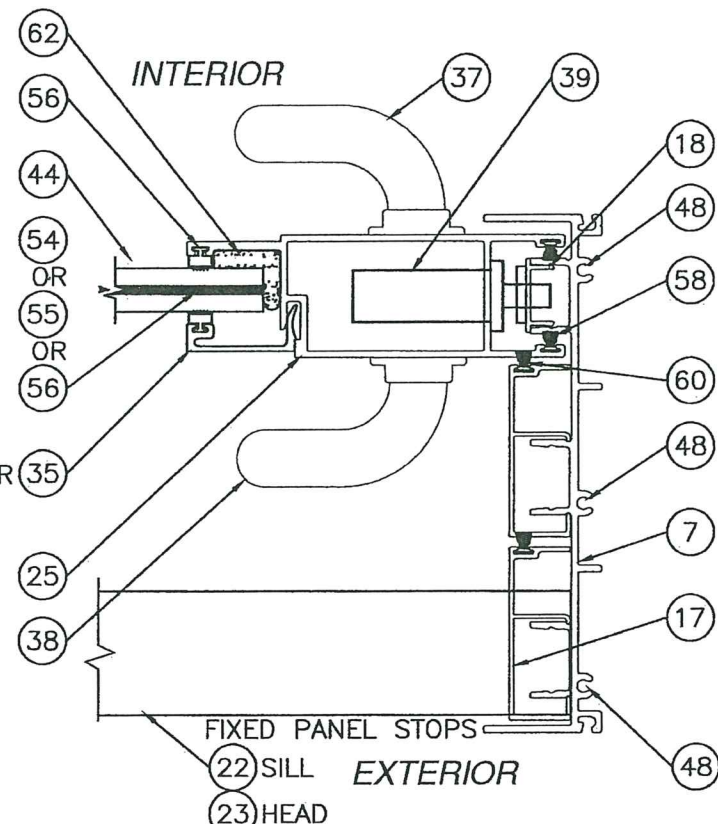
HORIZONTAL CROSS SECTION CC
REINFORCED INTERLOCK STILE TO REINFORCED
INTERLOCK STILE



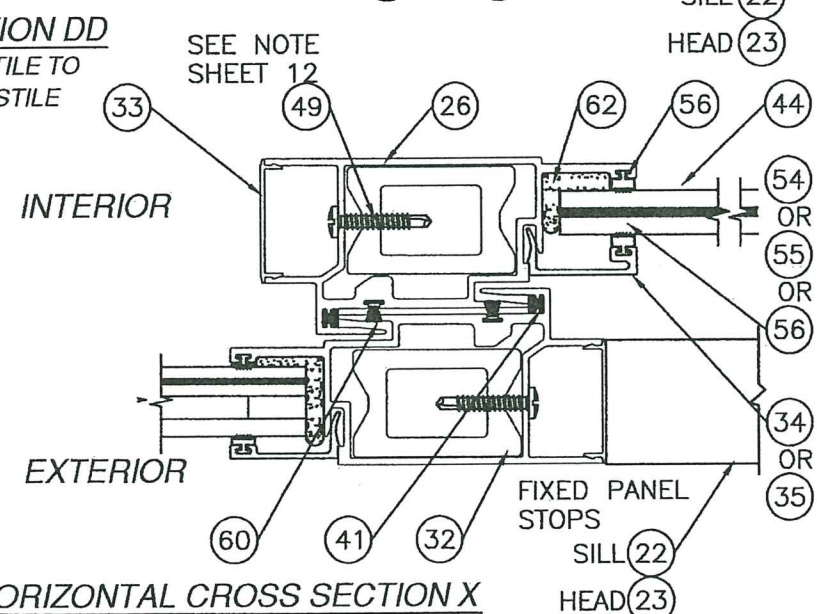
HORIZONTAL CROSS SECTION DD
NON-REINFORCED INTERLOCK STILE TO
NON-REINFORCED INTERLOCK STILE



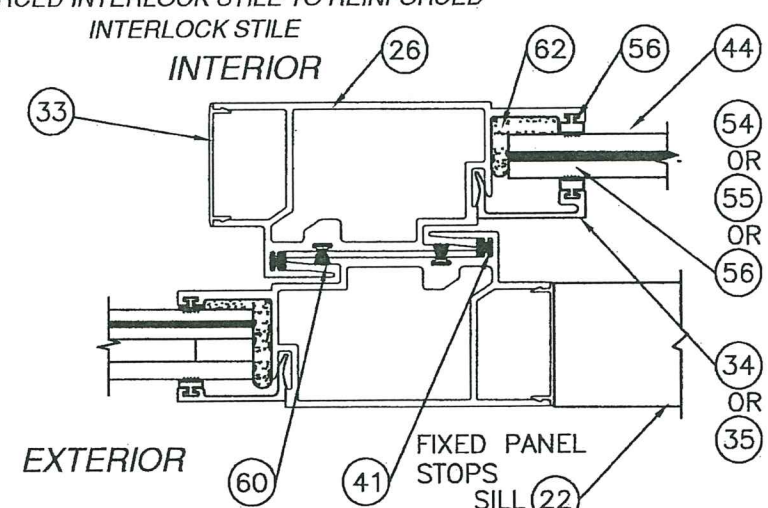
HORIZONTAL CROSS SECTION Z
PLAIN STILE AT 4 TRACK JAMB



HORIZONTAL CROSS SECTION V
LOCK STILE AT 3 TRACK JAMB



HORIZONTAL CROSS SECTION X
REINFORCED INTERLOCK STILE TO REINFORCED
INTERLOCK STILE

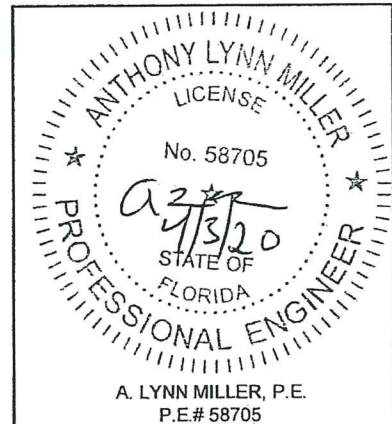


HORIZONTAL CROSS SECTION Y
NON-REINFORCED INTERLOCK STILE TO
NON-REINFORCED INTERLOCK STILE

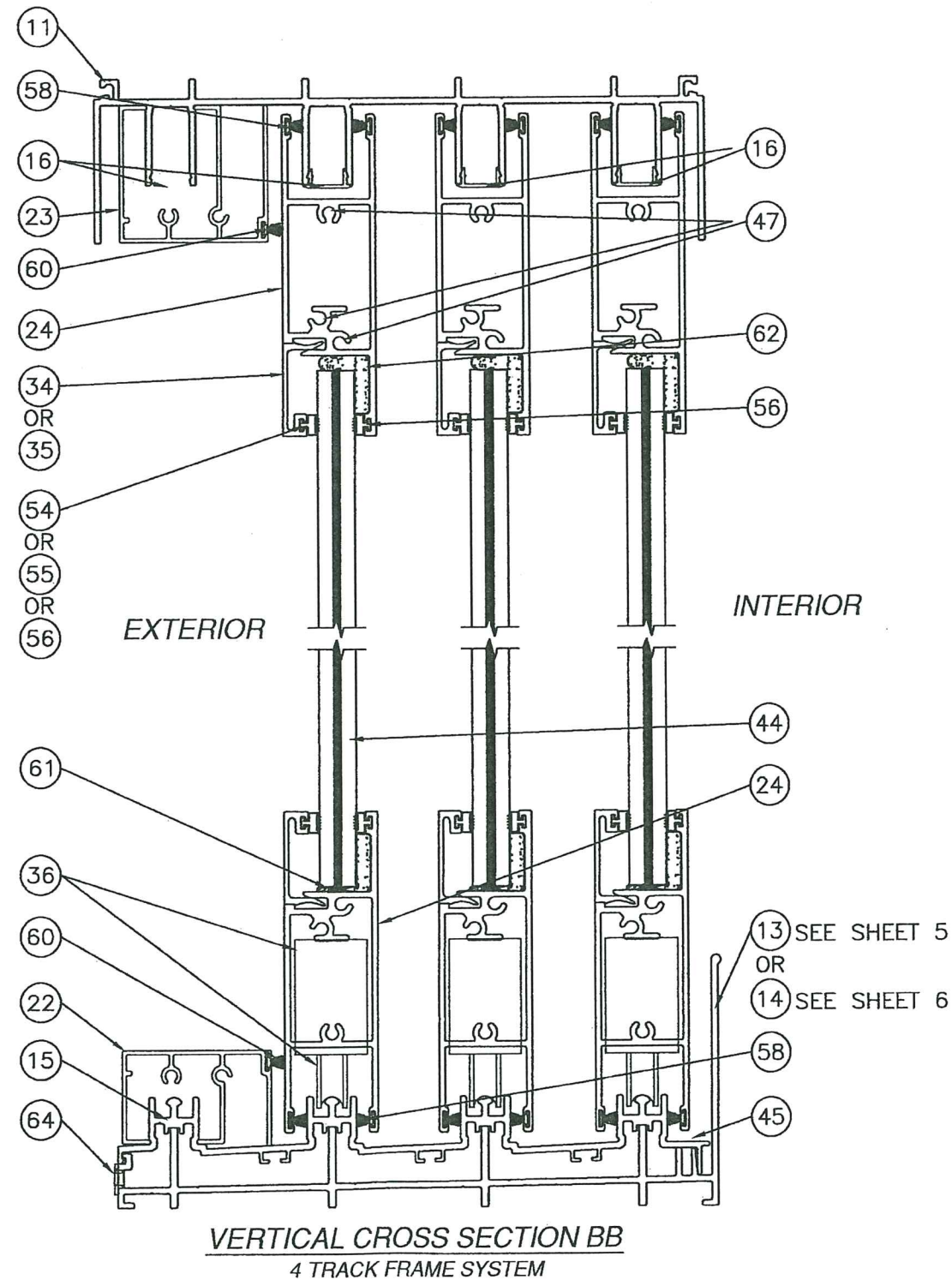
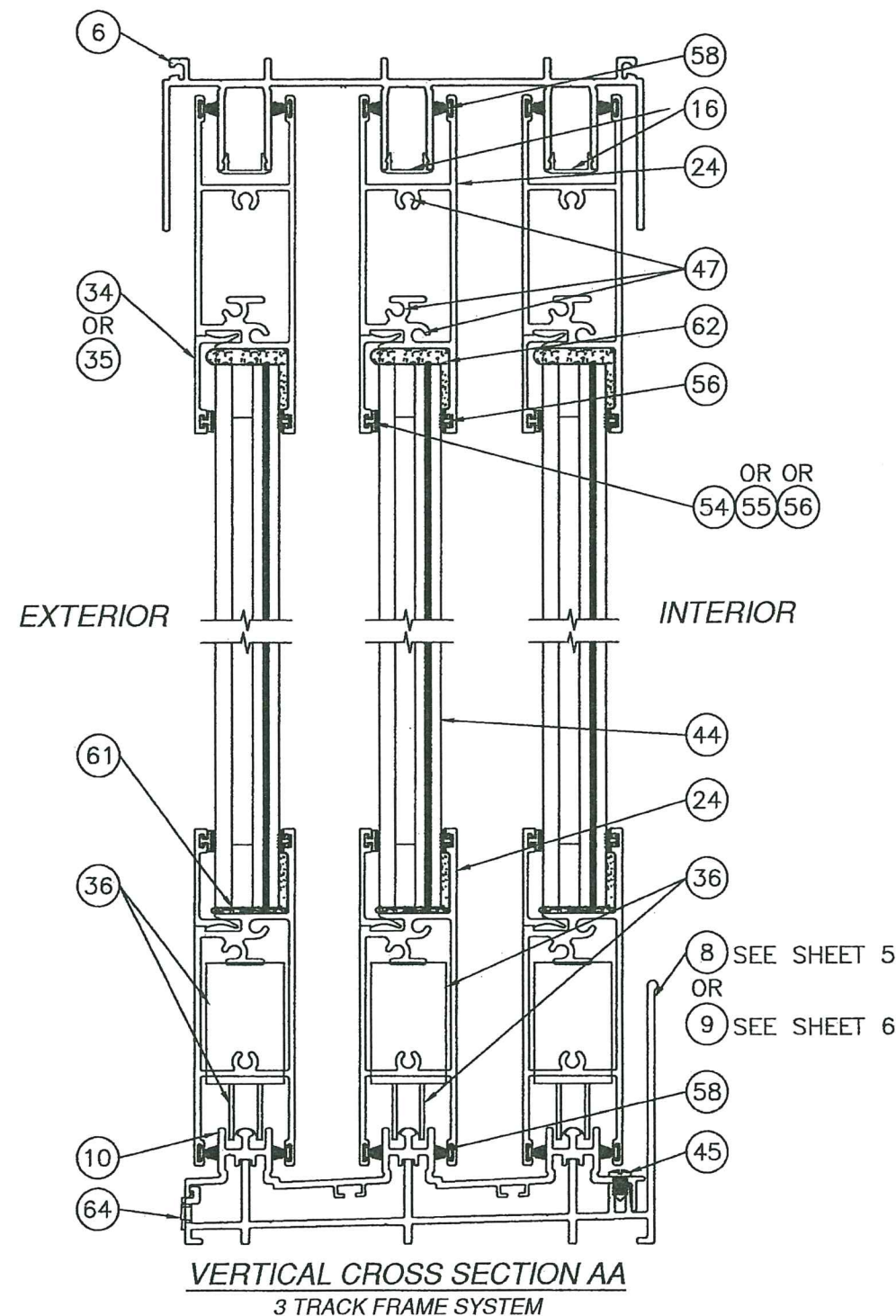
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406-09
Expiration Date 6/2/25
By Anthony Lynn Miller
Miami Dade Product Control

Revision:

<div>WINDOOR®</div> <div>INCORPORATED</div>	<div>WINDOOR INCORPORATED</div> <div>7500 AMSTERDAM DRIVE</div> <div>ORLANDO, FL 32832</div> <div>(407) 481-8400</div>		7000 SERIES LMI REINFORCED &		4/03/2020	
			NON-REINFORCED (5'0 X 8'2 PANEL)		Date	
			HORIZONTAL CROSS SECTIONS		By	
			ALAN KINNE		Drawn	
SGD7000LMI	14 OF 21	DWG No.	SGD7000LMI-NOA		Rev.	



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



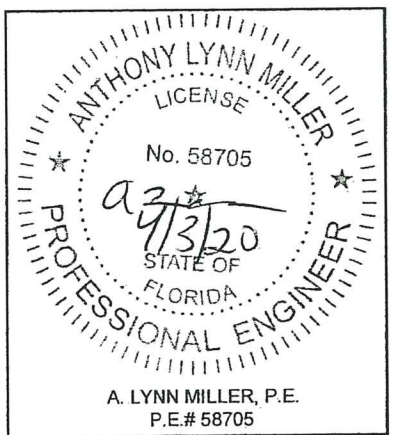
NOTE:
VERTICAL SECTIONS
ILLUSTRATED WITHOUT
SUBSTRATE.

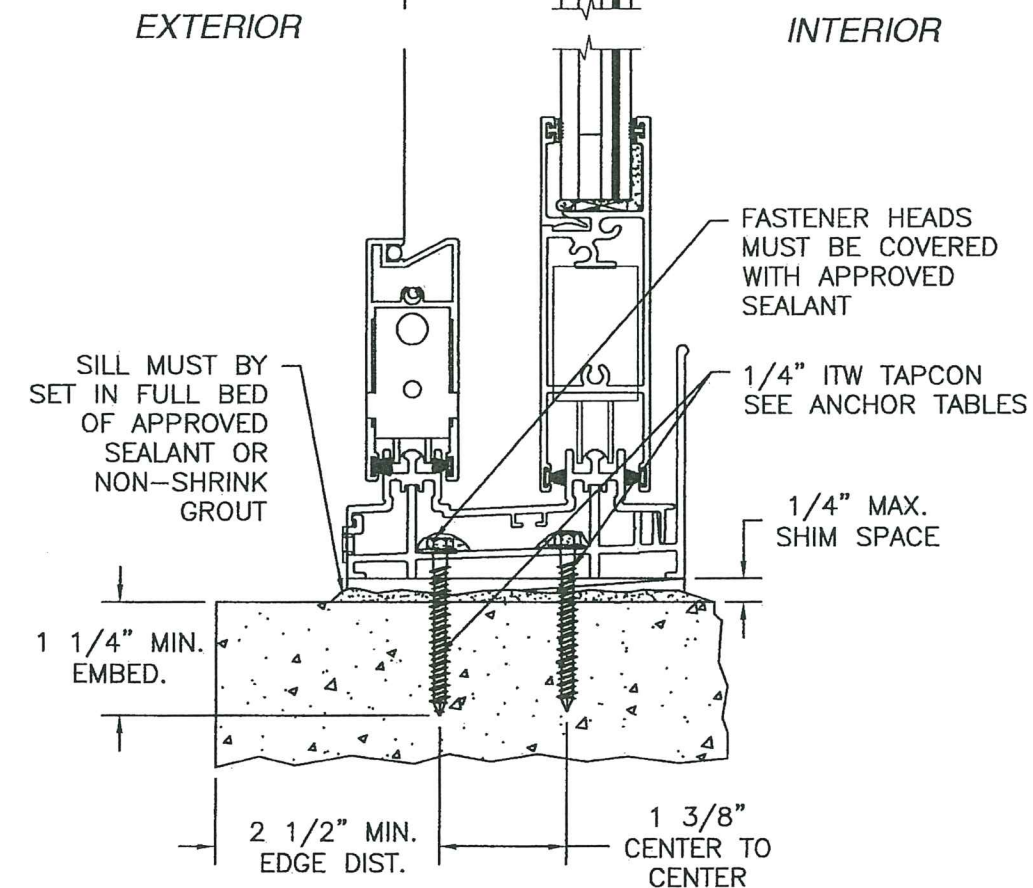
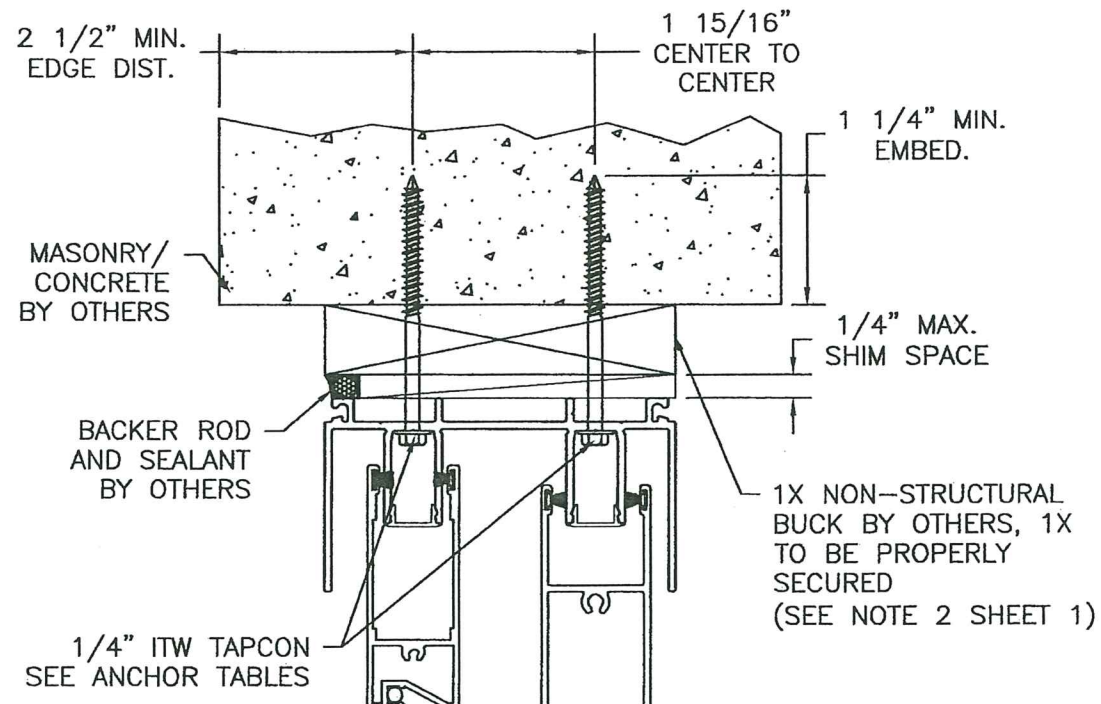
NOTE:
SEE SHEETS 16, 17 AND 18 FOR TYPICAL ANCHORAGE TO
VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS
INDICATED ON EACH HEAD AND TRACK SYSTEM. OTHER HEAD AND
TRACK SYSTEMS ARE SIMILAR.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406-01
Expiration Date 6/2/25
By *Anthony Lynn Miller*
Miami Dade Product Controls

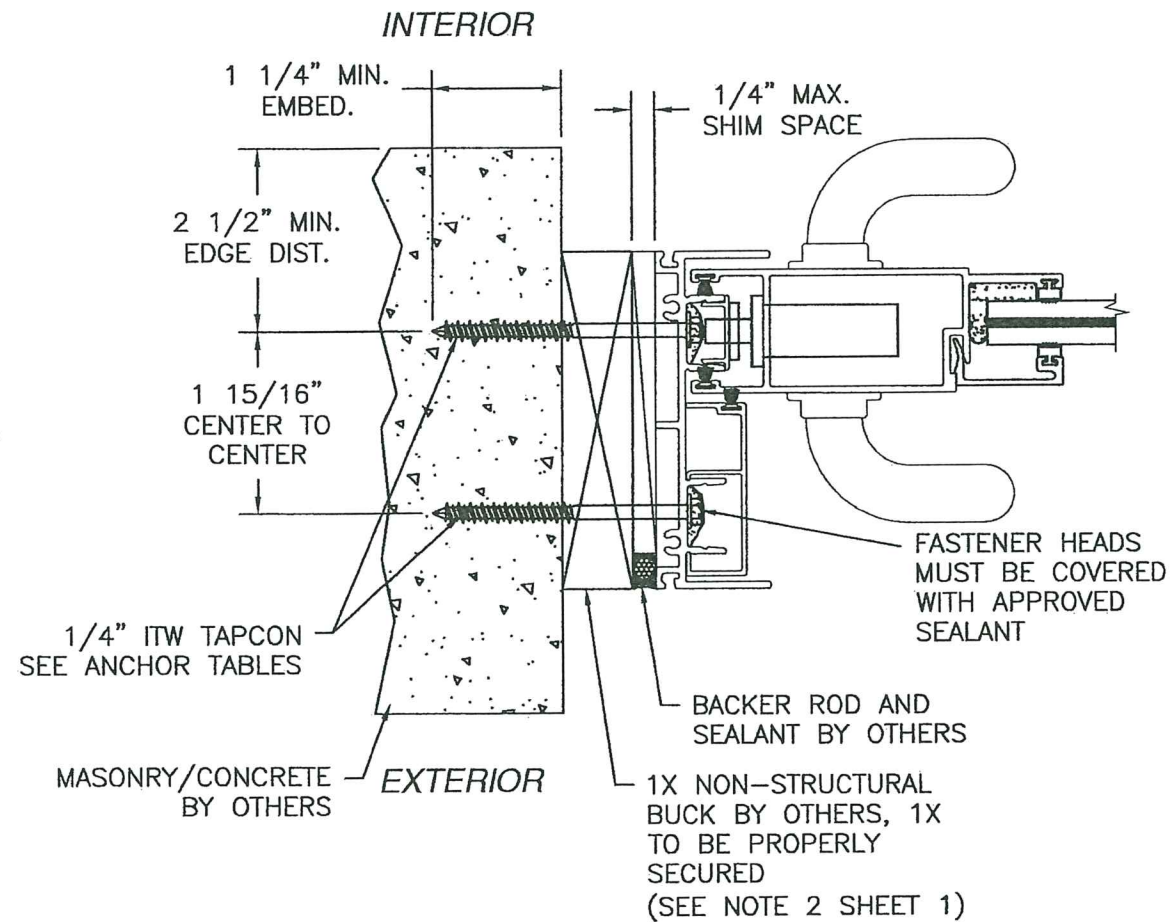
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	4/03/2020	By ALAN KINNE	DWC No.	SGD7000LMI-NOA	Rev.
WINDOOR® INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	7000 SERIES LMI REINFORCED & NON-REINFORCED (50 X 8'2 PANEL)	Title	VERTICAL CROSS SECTIONS	Sheet	15 OF 21	SGD7000LMI	Series





2 TRACK FRAME VERTICAL INSTALLATION
MASONRY/CONCRETE INSTALLATION, 2 TRACK SHOWN 3
TRACK & 4 TRACK SIMILAR (SEE SHEET 7)



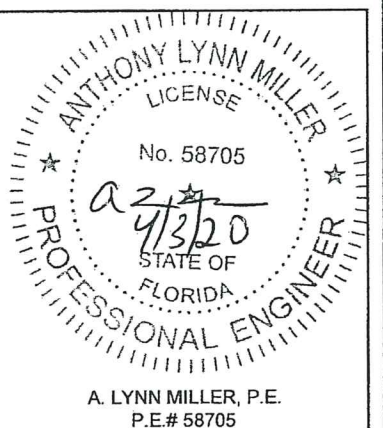
2 TRACK FRAME JAMB INSTALLATION
1X BUCK TO MASONRY/CONCRETE INSTALLATION, 2
TRACK SHOWN 3 TRACK &
4 TRACK SIMILAR (SEE SHEET 7)

NOTE:
CONCRETE SUBSTRATE SHOWN. ANCHORAGE IN EXTERIOR &
INTERIOR TRACK LOCATIONS IS TYPICAL FOR 3 TRACK AND 4
TRACK SYSTEMS.

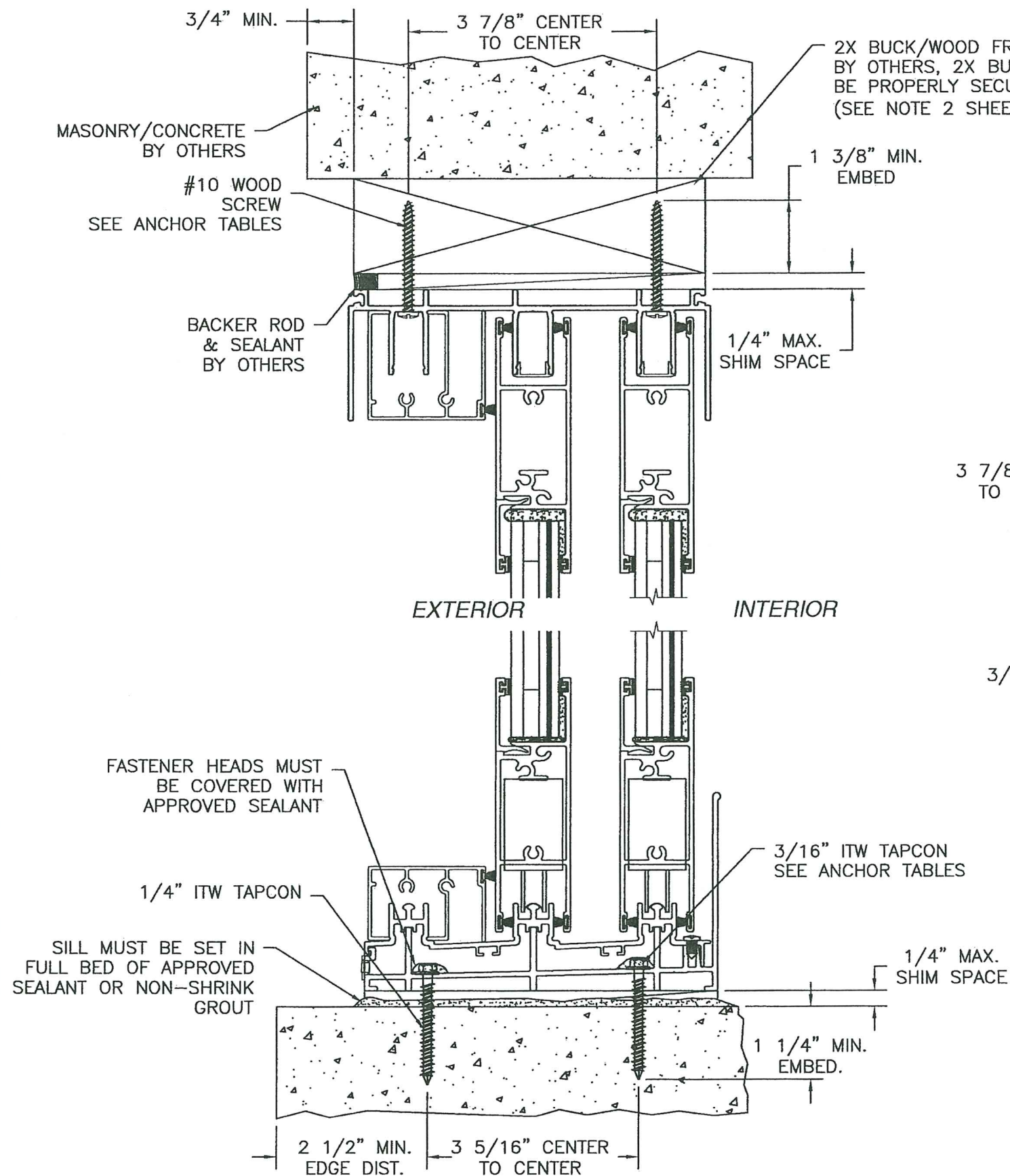
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 200406-09
Expiration Date 6/2/25
By Anthony Lynn Miller
Miami Dade Product Control

Revision:

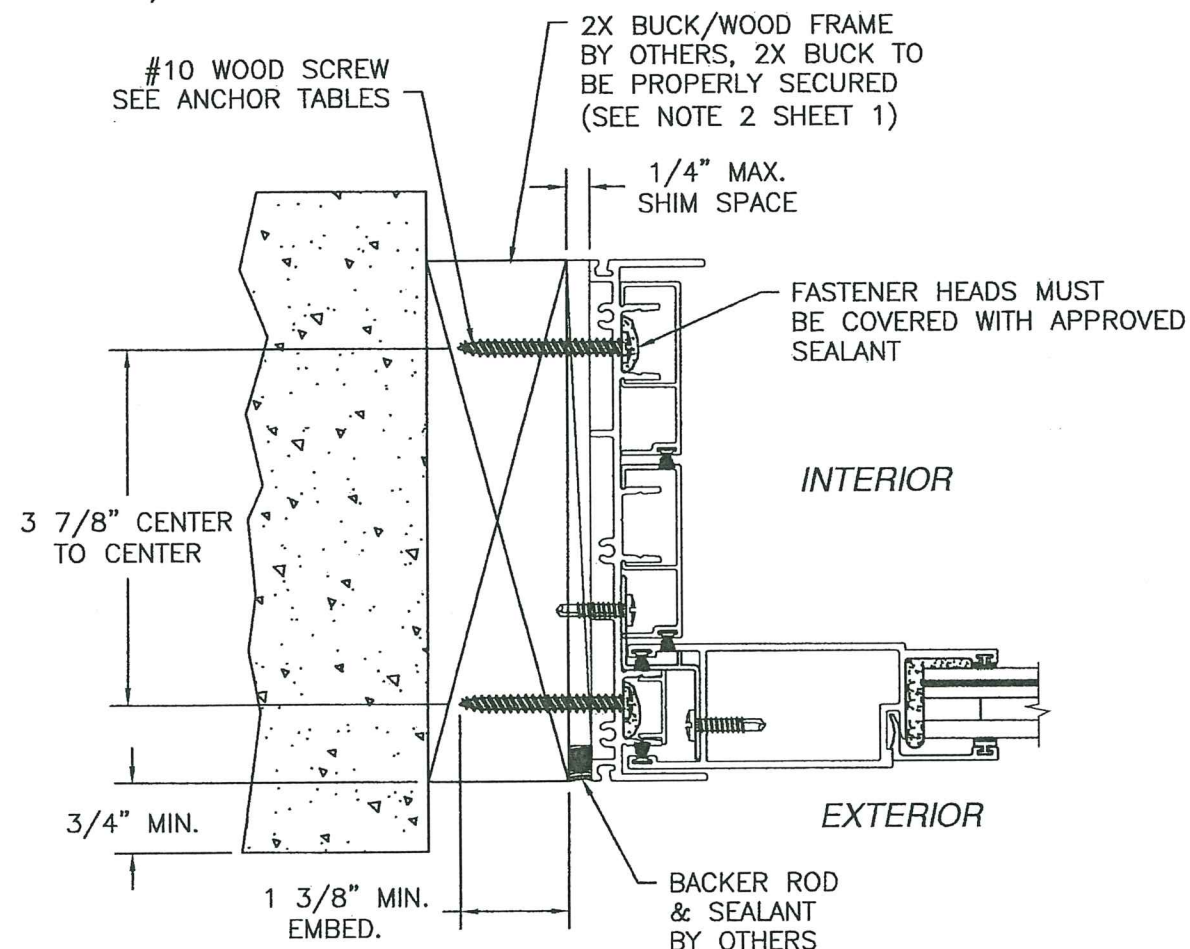
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	4/03/2020	By	ALAN KINNE	Dwg No.	SGD7000LMI-NOA	Rev.
WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	7000 SERIES LMI REINFORCED & NON-REINFORCED (50 X 82 PANEL)	Title	INSTALLATION DETAILS	Sheet	16 OF 21	Series	SGD7000LMI	



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



3 TRACK FRAME VERTICAL INSTALLATION
2X BUCK/WOOD FRAME INSTALLATION, 3 TRACK SHOWN 2 TRACK & 4 TRACK SIMILAR (SEE SHEET 7)



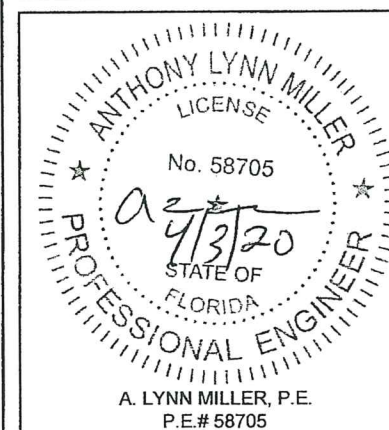
3 TRACK FRAME JAMB INSTALLATION
2X BUCK/WOOD FRAME INSTALLATION, 3 TRACK SHOWN 2 TRACK & 4 TRACK SIMILAR (SEE SHEET 7)

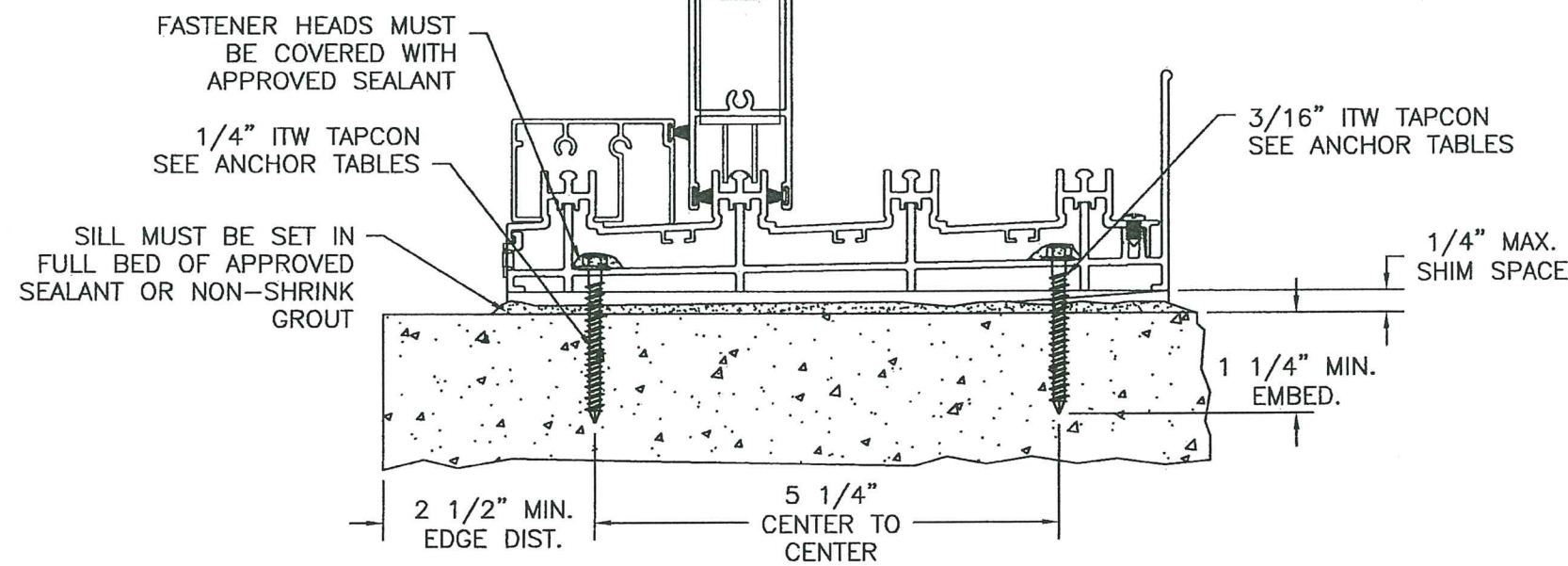
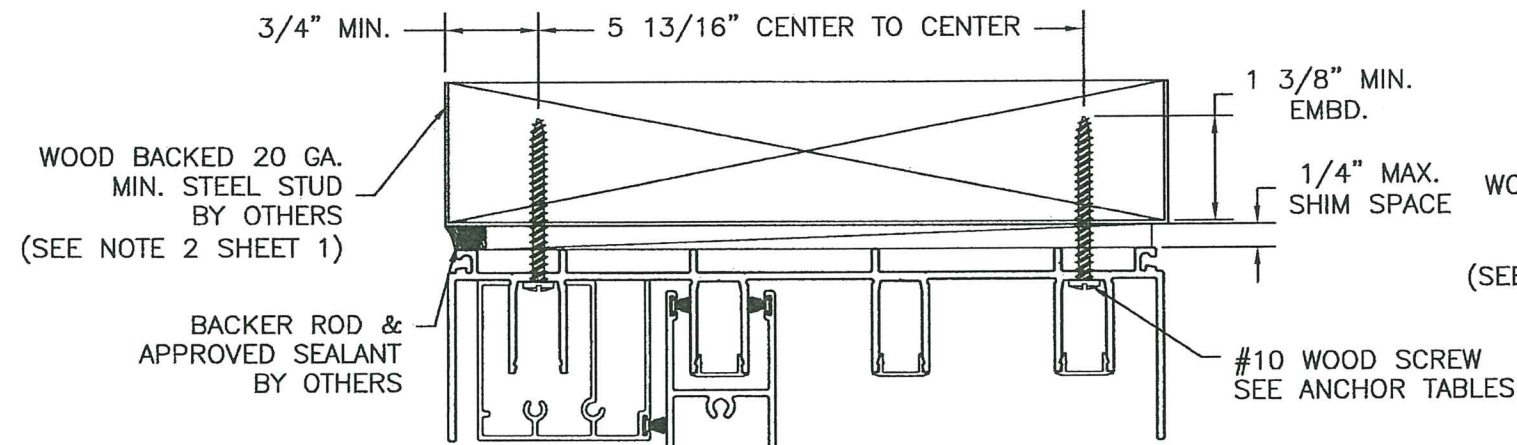
NOTE:
2X BUCK/WOOD FRAME SUBSTRATE SHOWN. ANCHORAGE IN EXTERIOR TRACK LOCATIONS IS TYPICAL FOR 2 TRACK AND 4 TRACK SYSTEMS.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 200406-09
Expiration Date 6/2/21
By [Signature]
Miami Dade Product Control

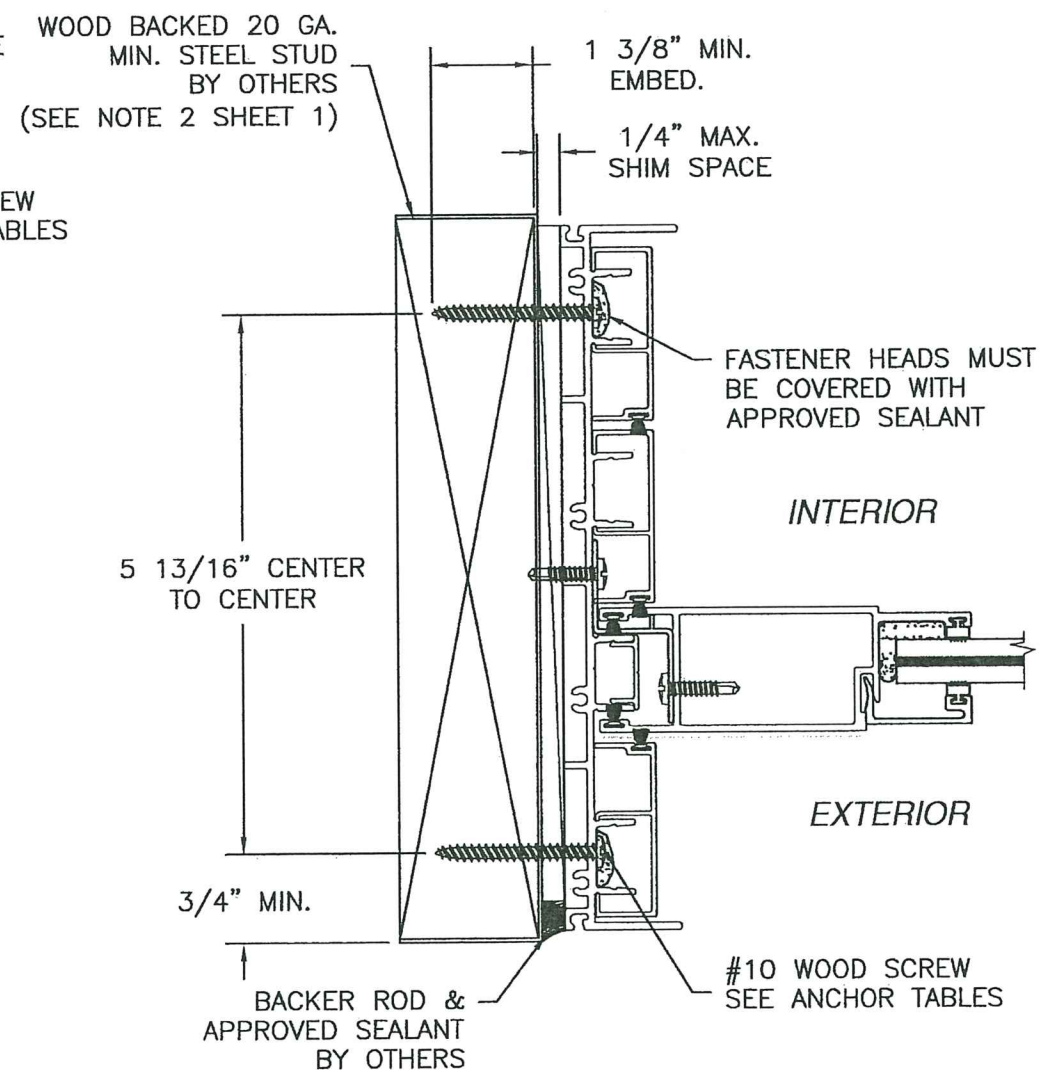
Revision:

WINDOOR® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296	
WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400		7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0 X 8'2 PANEL)		Date	4/03/2020
INSTALLATION DETAILS		Drawn By		ALAN KINNE	
SGD7000LMI	17 OF 21	DWG No.	SGD7000LMI-NOA		
Sheet	Rev.				





4 TRACK FRAME VERTICAL INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION, 4 TRACK
SHOWN 2 TRACK & 3 TRACK SIMILAR (SEE SHEET 7)



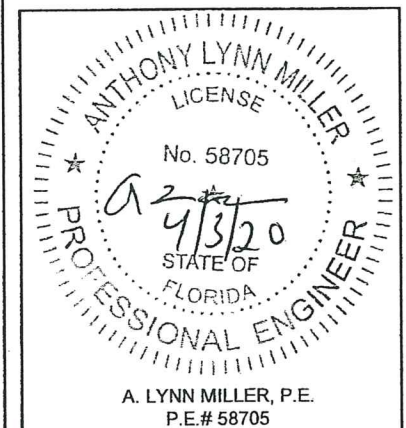
4 TRACK FRAME JAMB INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION, 4 TRACK
SHOWN 2 TRACK & 3 TRACK SIMILAR (SEE SHEET 7)

NOTE:
WOOD BACKED 20 GA. STEEL STUD SUBSTRATE SHOWN.
ANCHORAGE IN EXTERIOR TRACK LOCATIONS IS TYPICAL FOR 2
TRACK AND 3 TRACK SYSTEMS.

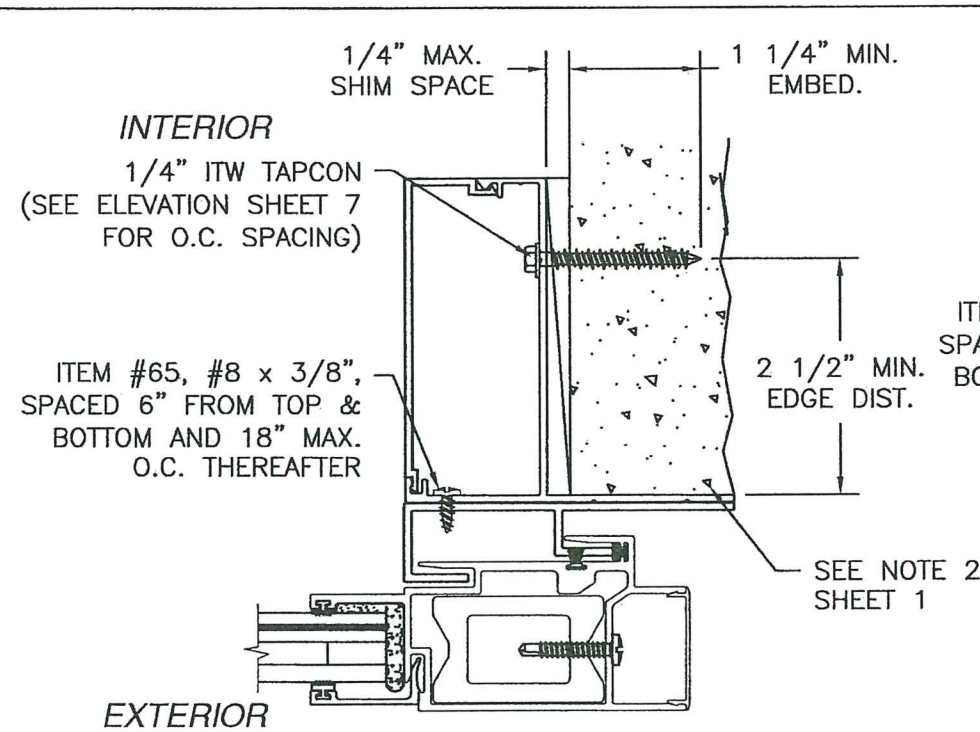
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406-09
Expiration Date 6/2/25
By Anthony Lynn Miller
Miami Dade Product Control

Revision:

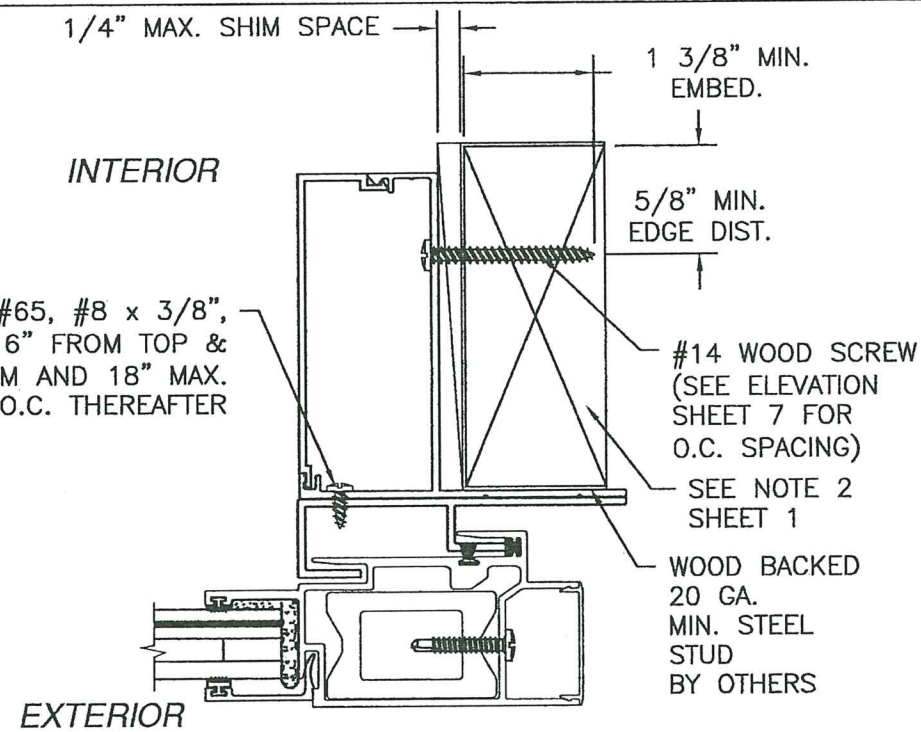
WINDOOR® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400		REGISTRATION #29296	
7000 SERIES LMI REINFORCED & NON-REINFORCED (50 X 82 PANEL)		Date	4/03/2020
INSTALLATION DETAILS		ALAN KINNE	
Series	SGD7000LMI	By	
Desc.			
Sheet	18 OF 21	DWG No.	SGD7000LMI-NOA
		Rev.	



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

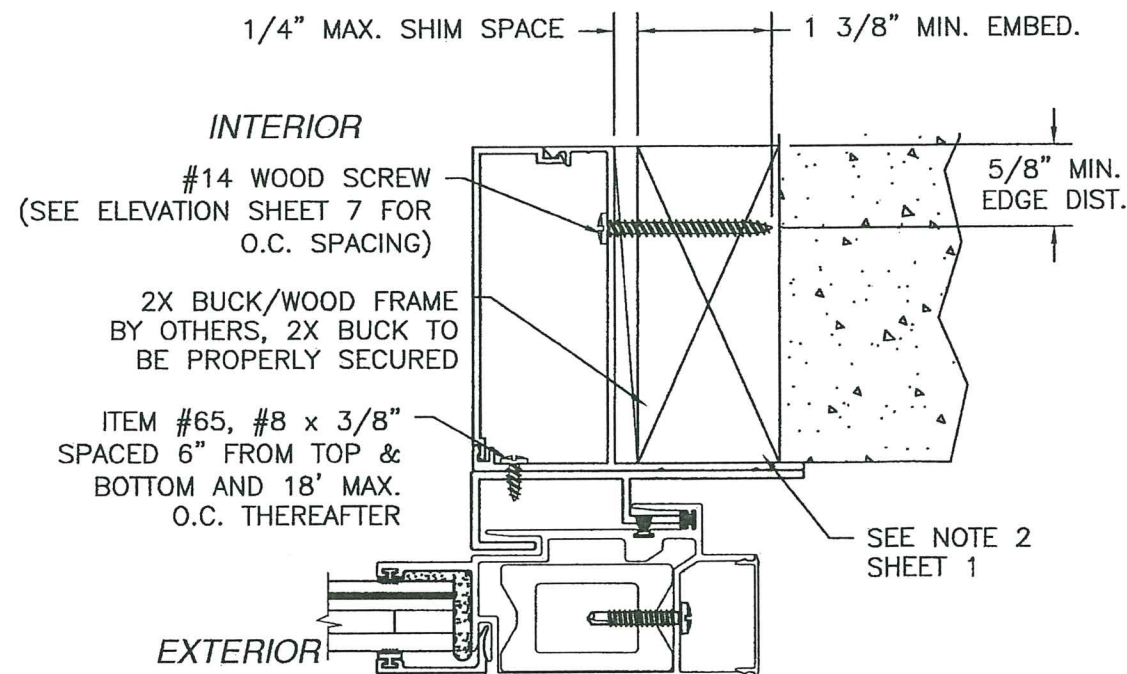


POCKET HOOK STRIP
MASONRY/CONCRETE INSTALLATION
REINFORCED SHOWN, NON-REINFORCED SIMILAR.



POCKET HOOK STRIP
WOOD BACKED 20 GA. STEEL STUD INSTALLATION REINFORCED
SHOWN, NON-REINFORCED SIMILAR.

SEE POCKET JAMB (POCKET STRIP) ELEVATION IN SHEET 7 AND POCKET JAMB ANCHOR CHART #10 IN SHEET 6.

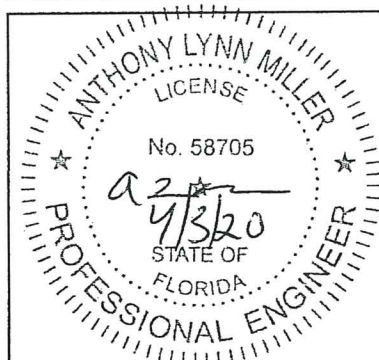


POCKET HOOK STRIP
2X BUCK/WOOD FRAME INSTALLATION REINFORCED SHOWN,
NON-REINFORCED SIMILAR.

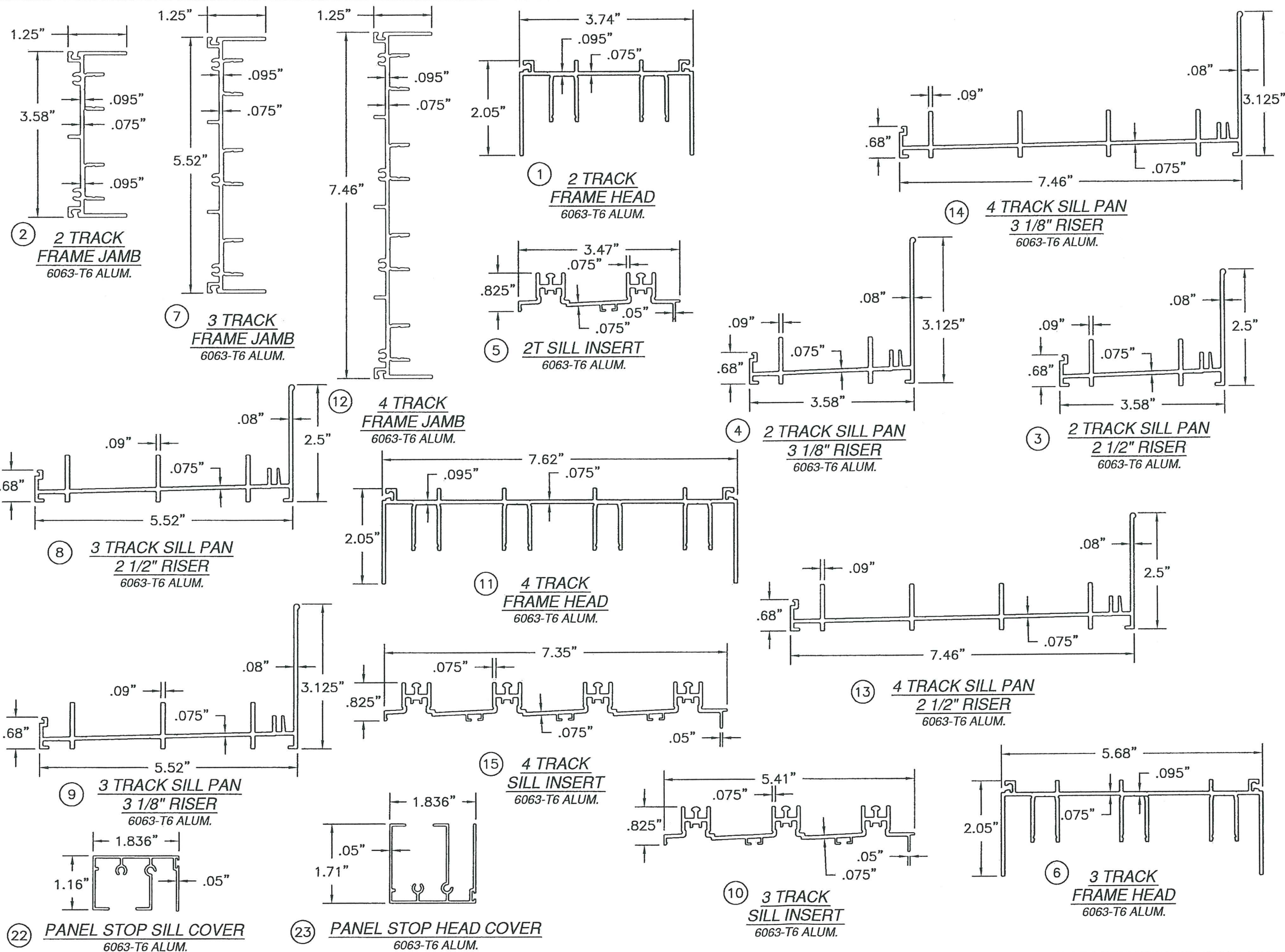
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0406-09
Expiration Date 6/2/25
By Anthony L. Miller
Miami Dade Product Council

Revision:

<div>WINDOOR[®]</div> <div>INCORPORATED</div>	<div>WINDOOR INCORPORATED</div> <div>7500 AMSTERDAM DRIVE</div> <div>ORLANDO, FL 32832</div> <div>(407) 481-8400</div>	7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0 X 8'2 PANEL)		4/03/2020		Rev.	SGD7000LMI-NOA
		Date		By		DWG	No.
		Drawn		ALAN KINNE		Sheet	19 OF 21
		Less.		INSTALLATION DETAILS		Series	SGD7000LMI



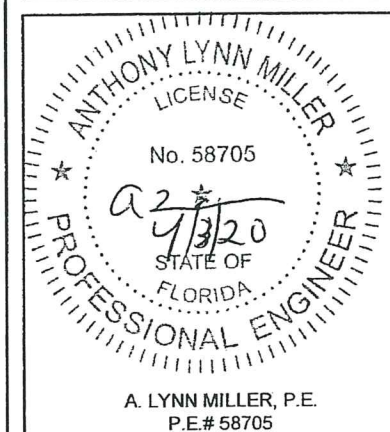
A. LYNN MILLER, P.E.
P.E.# 58705

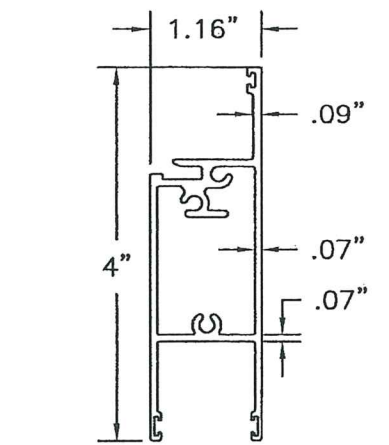


PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-046609
Expiration Date 6/2/25
By Anthony L. Miller
Miami Dade Product Control

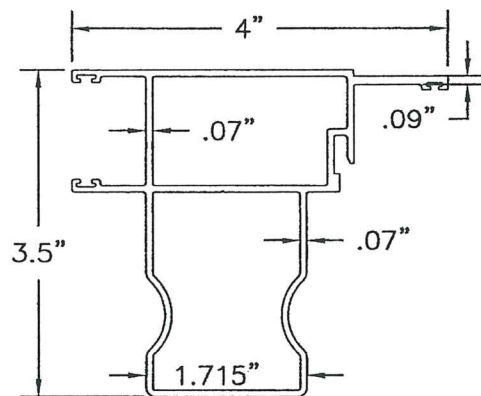
Revision:

WINDOOR® <u>INCORPORATED</u> WINDOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			REGISTRATION #29296		
	7000 SERIES LMI REINFORCED & NON-REINFORCED (5'0 X 8'2 PANEL)			Date	4/03/2020	
	COMPONENTS			Drawn By	ALAN KINNE	
Sheet 20 OF 21	SGD7000LMI	DWG No.	SGD7000LMI-NOA			Rev.

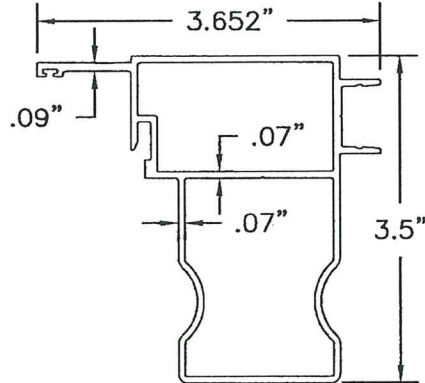




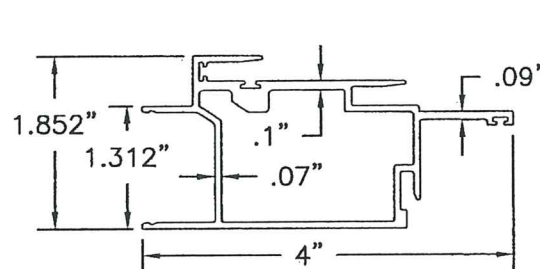
24 TOP & BOTTOM RAIL
6063-T6 ALUM.



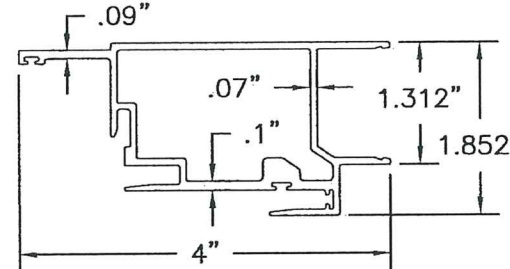
29 LOCKING BUTT STILE
6063-T6 ALUM.



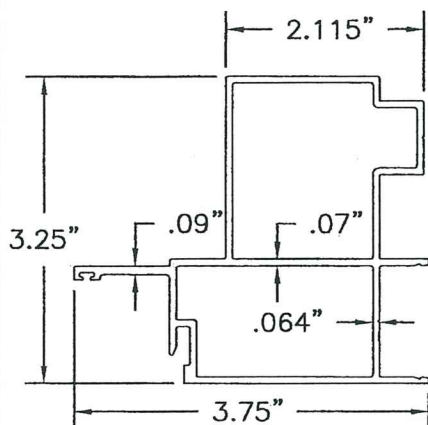
28 MALE BUTT STILE
6063-T6 ALUM.



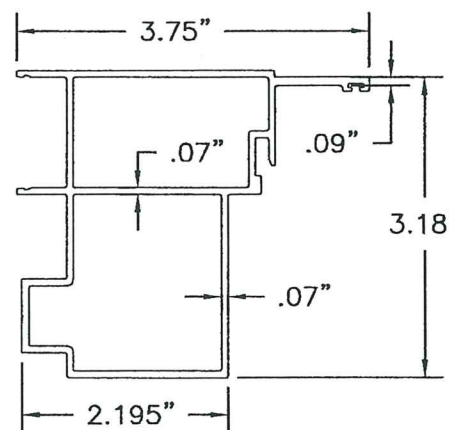
27 INTERLOCK STILE RIGHT
6063-T6 ALUM.



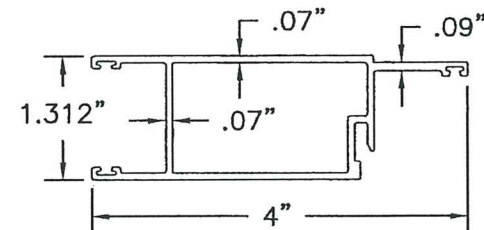
26 INTERLOCK STILE LEFT
6063-T6 ALUM.



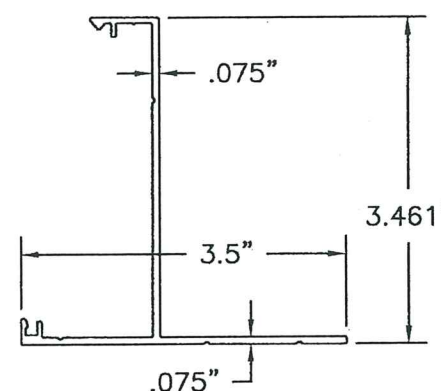
30 INTERIOR FIXED BUTT STILE
6063-T6 ALUM.



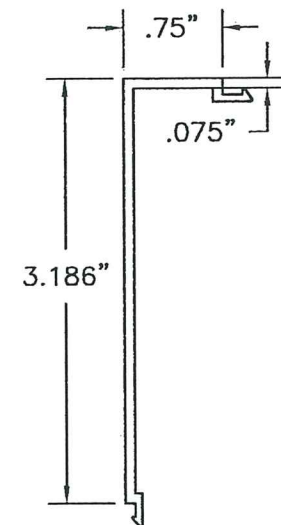
31 EXTERIOR FIXED BUTT STILE
6063-T6 ALUM.



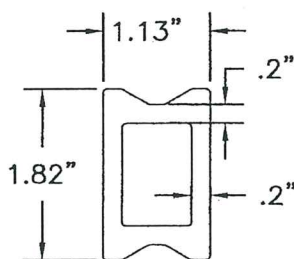
25 LOCK/PLAIN STILE
6063-T6 ALUM.



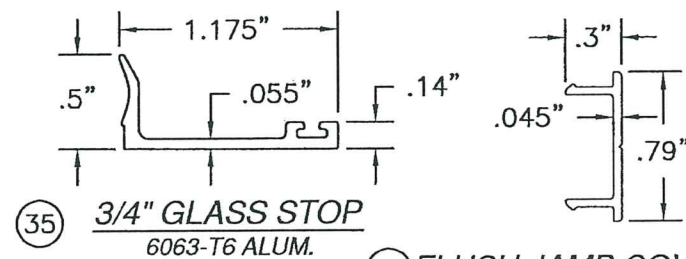
21 HOOK STRIP WALL MOUNT
6063-T6 ALUM.



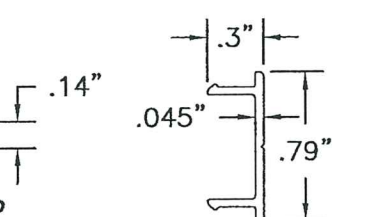
20 HOOK STRIP WALL
COVER
6063-T6 ALUM.



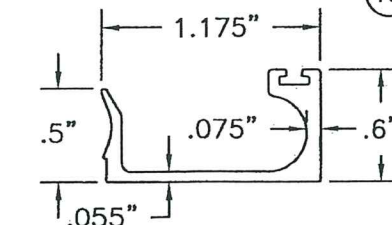
32 INTERLOCK
REINFORCING BAR
6005-T5 ALUM.



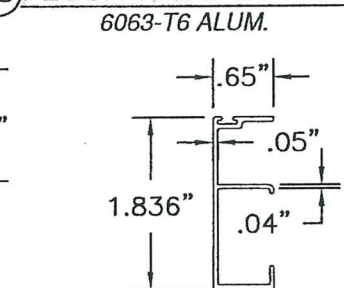
35 3/4" GLASS STOP
6063-T6 ALUM.



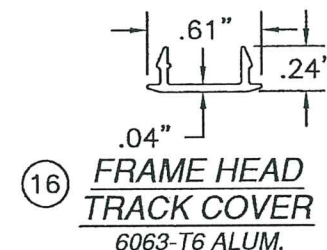
18 FLUSH JAMB COVER
6063-T6 ALUM.



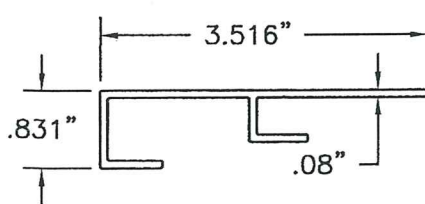
34 1/4" AND 3/16" GLASS
STOP
6063-T6 ALUM.



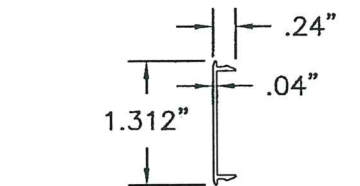
17 RECESSED JAMB COVER
6063-T6 ALUM.



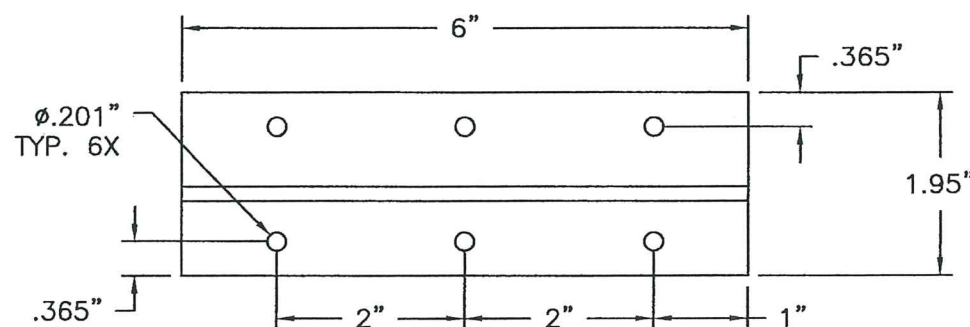
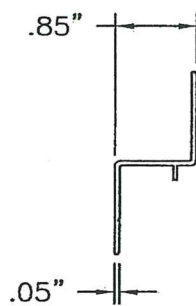
16 FRAME HEAD
TRACK COVER
6063-T6 ALUM.



19 HOOK STRIP BASE
6063-T6 ALUM.



33 BUTT STILE &
INTERLOCK COVER
6063-T6 ALUM.

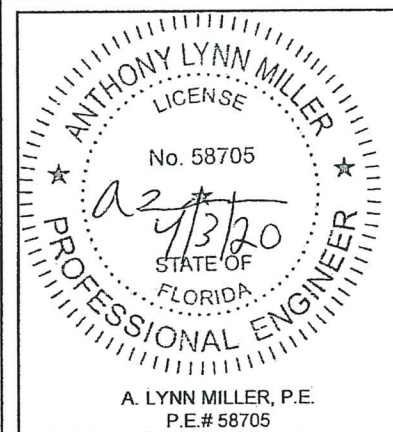


72 FIXED PANEL Z-CLIP
6063-T6 ALUM.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20,0406,09
Expiration Date JUNE 04, 2015
By Lsh-gl-hn-2
Miami Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	4/03/2020	ALAN KINNE	SGD7000LMI-NOA
WINDOOR INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	7000 SERIES LMI REINFORCED & NON-REINFORCED (50 X 82 PANEL)	21 OF 21	COMPONENTS	SGD7000LMI



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