



MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

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

www.miamidade.gov/building

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

PGT Industries, Inc.
1070 Technology Drive,
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 “SGD-770W” Aluminum Horizontal Sliding Window w/ 90° & 135° corners – L.M.I.

APPROVAL DOCUMENT: Drawing No. **PGT0129**, titled “Aluminum Sliding Glass Window (LM)”, sheets 1 through 22 of 22, dated 02/28/22, with revision **G** dated 06/06/23, prepared by manufacturer, 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

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.

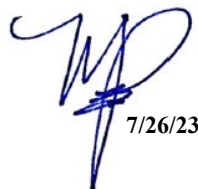
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 **revises** NOA No. **22-0727.07** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




7/26/23

NOA No. 23-0710.08
Expiration Date: February 12, 2025
Approval Date: August 03, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 14-0320.03)
2. Drawing No. **PGT0129**, titled "Alum. Sliding Glass Window (LM)", sheets 1 through 22 of 22, dated 02/28/22, with revision **F** dated 07/21/22, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 22-0727.07)

B. TESTS

1. 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 and installation diagram of series "770" aluminum sliding glass door, prepared by QAI Laboratories, Test Report No. **NOK-0003**, dated 07/21/22, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 22-0727.07)
2. 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 and installation diagram of series "770" aluminum sliding glass door and a series "5570" vinyl sliding glass door, prepared by QAI Laboratories, Test Report No. **QAI-22-1040**, dated 04/03/22, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 22-0407.11)
3. 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 and installation diagram of series "770" aluminum sliding glass door, prepared by QAI Laboratories, Test Report No. **QAI-21-1218**, dated 01/27/22, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 22-0407.11)
4. 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 and installation diagram of series "5570" vinyl sliding glass door, prepared by QAI Laboratories, Test Report No. **QAI-21-1241**, dated 01/21/22, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 22-0407.11)


Manuel Perez, P.E.
Product Control Examiner
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

5. 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 ASTM F588 and TAS 202-94

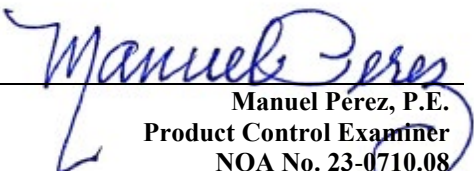
along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **FTL-7897**, PGT PW5520 PVC Fixed Window (unit 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) dated 07/13/20, all signed 07/13/20, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-0406.07)

6. 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 and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8970** and **FTL-8968**, dated 02/15/16, 06/07/16 and 06/20/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 14-0320.03)

7. 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 and TAS 202-94

along with marked-up drawings and installation diagram of aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7554**, dated 11/01/13, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 14-0320.03)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0710.08
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

8. 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) Forced Entry Test, Per FBC 2411.3.2.1 (b) TAS 202-94
5) Small Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5980, FTL-5993, FTL-6036, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033** and **FTL-6036**, all dated 08/10/09 and signed and sealed by Julio Gonzalez, P.E.
(Submitted under NOA No. 09-0826.10)
9. Additional, Reference Fixed Window Test Report No. **FTL-7897** (Cardinal spacer) per TAS 201, 202 & 203-94, issued by Fenestration Testing Laboratory, Inc.
(Submitted under NOA No. 15-0430.08)

C. CALCULATIONS

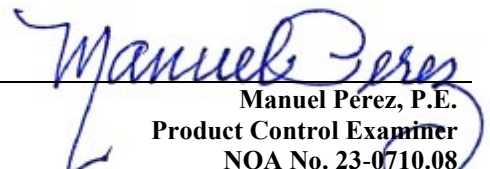
1. Anchor verification calculations and structural analysis, complying with **FBC 7th Edition (2020)**, dated 04/02/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0406.07)
2. Glazing complies with **ASTM E 1300-09**.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **20-0915.21** issued to **Kuraray America, Inc.** for their "**Trosifol® Extra Stiff (ES) PVB Glass Interlayer**" dated 11/19/20, expiring on 02/08/23.
3. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 11/19/20, expiring on 07/04/23.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0710.08
Expiration Date: February 12, 2025
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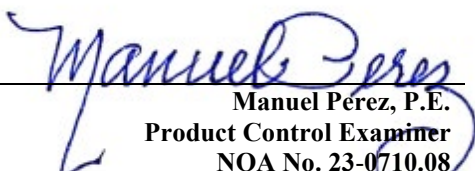
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** dated July 26, 2022, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 22-0727.07)
2. Statement letter of no financial interest, dated July 26, 2022, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.
(Submitted under NOA No. 22-0727.07)
3. Letter of lab. compliance, part of the above test reports.
(Submitted under NOA No. 20-0406.07)
4. Proposal No. **19-1155** issued by the Product Control Section, dated 01/10/20, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 20-0406.07)
5. Proposal No. **16-0125** issued by the Product Control Section, dated 03/09/16, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 16-0629.09)

G. OTHERS

1. Notice of Acceptance No. **22-0407.11**, issued to PGT Industries, Inc., for their Series "SGD-770" Aluminum Horizontal Sliding Window w/90° & 135° corners – L.M.I., approved on 04/21/22 and expiring on 02/12/25.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0710.08
Expiration Date: February 12, 2025
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **PGT0129**, titled “Aluminum Sliding Glass Window (LM)”, sheets 1 through 22 of 22, dated 02/28/22, with revision **G** dated 06/06/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.03** issued to Kuraray America, Inc. for their “**Trosifol® Extra Stiff (ES) PVB Glass Interlayer**” dated 12/15/22, expiring on 02/08/28.
3. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/15/22, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, and with **FBC 8th Edition (2023)** dated June 06, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest dated June 06, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. Notice of Acceptance No. **22-0727.07**, issued to PGT Industries, Inc., for their Series “**SGD-770A**” Aluminum Horizontal Sliding Window w/90° & 135° corners – L.M.I., approved on 08/11/22 and expiring on 02/12/25.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0710.08
Expiration Date: February 12, 2025
Approval Date: August 03, 2023

SERIES 770W IMPACT RESISTANT SLIDING GLASS WINDOW
INCLUDING POCKETS & 90° / 135° CORNERS

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS. FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, THE OUTBOARD LITE (CAP) MUST BE TEMPERED.
- 3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.
- 4) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).
- 5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE REQUIRED MIN. EMBEDMENT. SILL ANCHORS MUST BE SEALED. INSTALLATION SCREWS, FRAME AND PANEL CORNERS TO BE SEALED WITH NARROW JOINT SEALANT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 6) 1/4" MAX. SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

- 7) DESIGN PRESSURES:
- A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TESTING AND GLASS PER ASTM E1300.
- B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TESTING AND GLASS PER ASTM E1300.
- C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

DLO WIDTH = NOM. PANEL WIDTH - 7"
PANEL HEIGHT = WINDOW UNIT HEIGHT - 1-7/8"
DLO HEIGHT = WINDOW UNIT HEIGHT - 10-1/8"
DLO HEIGHT = PANEL HEIGHT - 8-1/4"

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CODES / STANDARDS USED:

- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2020
- AISI S100-16
- AISC 360-16

DESIGN PRESSURE RATING	IMPACT RATING
SEE TABLES 1-3 ON SHEETS 6-8	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

- 8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

10) APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

11) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

12) REFERENCES: TEST REPORTS: FTL-5980, FTL-5993, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6022, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033, FTL-6036, FTL-7554, QAI 21-1218, QAI 21-1241 & QAI 22-1040; DEWALT ULTRACON+ NOA; ELCO ULTRACON NOA; DEWALT/ELCO CRETEFLEX NOA AND AGGREGATOR NOA

TABLE A:

Anchor Group	Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment or Metal Thickness
A	#12 18-8 SMS or #12 410 SS SMS (min. of 3 threads beyond metal substrate)	All	Southern Pine (SG = 0.55)	9/16"	7/8"	1-3/8"
			6063-T5 Aluminum	3/8"	9/16"	0.071" (20 Ga)
			A36 Steel	3/8"	9/16"	0.050"
			Gr. 33 Steel Stud	3/8"	9/16"	0.045" (18 Ga)
	1/4" DeWalt/Elco Aggre-Gator®	All	Concrete (min. 2.22 ksi)	1-1/2"	3"	1-3/8"
		Jamb / P-hook	Filled Block (ASTM C90)	2"	3"	2"
		Jamb / P-hook	Hollow Block (ASTM C90)	2"	3"	1-1/4"
B	#12 Steel SMS (Gr. 5) (min. of 3 threads beyond metal substrate)	All	Southern Pine (SG = 0.55)	9/16"	7/8"	1-3/8"
			6063-T5 Aluminum	3/8"	9/16"	0.071" (20 Ga)
			A36 Steel	3/8"	9/16"	0.050"
			Gr. 33 Steel Stud	3/8"	9/16"	0.045" (18 Ga)
	1/4" DeWalt UltraCon® +	Head / Sill	Concrete (min. 3 ksi)	1-5/16"	4"	1-3/8"
		Jamb / P-hook	Concrete (min. 3 ksi)	1"	4"	1-3/8"
		Jamb / P-hook	Hollow Block (ASTM C90)	1"	3"	1-1/4"
C	1/4" 410 SS DeWalt/Elco CreteFlex®	All	Southern Pine (SG = 0.55)	1"	1"	1-3/8"
		Head / Sill	Concrete (min. 3.35 ksi)	1"	4"	1-3/4"
		Jamb / P-hook	Concrete (min. 3.35 ksi)	1"	6"	1-3/4"
		Jamb / P-hook	Hollow Block (ASTM C90)	2-1/2"	6"	1-1/4"
D	1/4" 410 SS DeWalt/Elco CreteFlex®	All	Southern Pine (SG = 0.55)	1"	1"	1-3/8"
		Head / Sill	Concrete (min. 3.35 ksi)	1"	4"	1-3/4"
		Jamb / P-hook	Concrete (min. 3.35 ksi)	1"	6"	1-3/4"
		Jamb / P-hook	Hollow Block (ASTM C90)	2-1/2"	6"	1-1/4"

- 1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP OF THE LOWEST LETTER FOR ALL TABLES IN THIS APPROVAL.
- 2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
- 3) FOR THE MINIMUM STRENGTHS OF ANCHORS AND SUBSTRATES, SEE TABLE 5, SHEET 20.
- 4) HOLLOW BLOCK VALUES MAY ALSO BE USED IN FILLED BLOCK APPLICATIONS.
- 5) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0710.08
Expiration Date: 02/12/2025
By: Manuel Perez
Miami-Dade Product Control

UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

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

Custom Windows and

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

WINDOWs

REGISTRATION #29296

ALUMINUM SLIDING GLASS WINDOW (LM)

GEN. NOTES AND ANCHOR

02/28/22

JENS ROSOWSKI

1 OF 22

SGD770W

Rev.

PGT0129

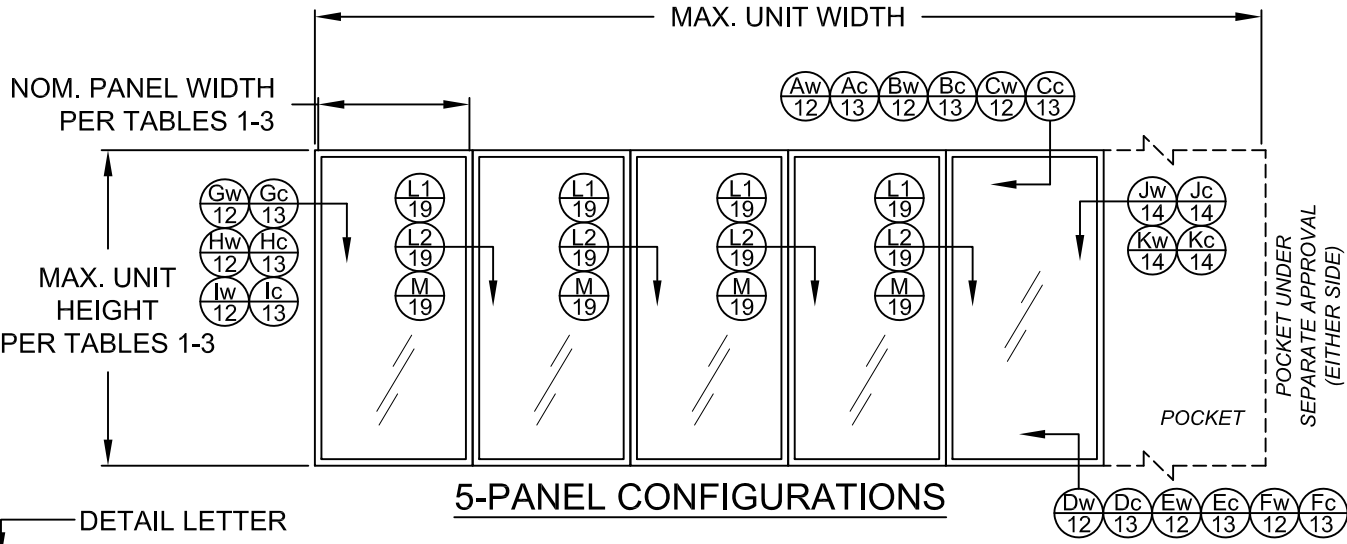
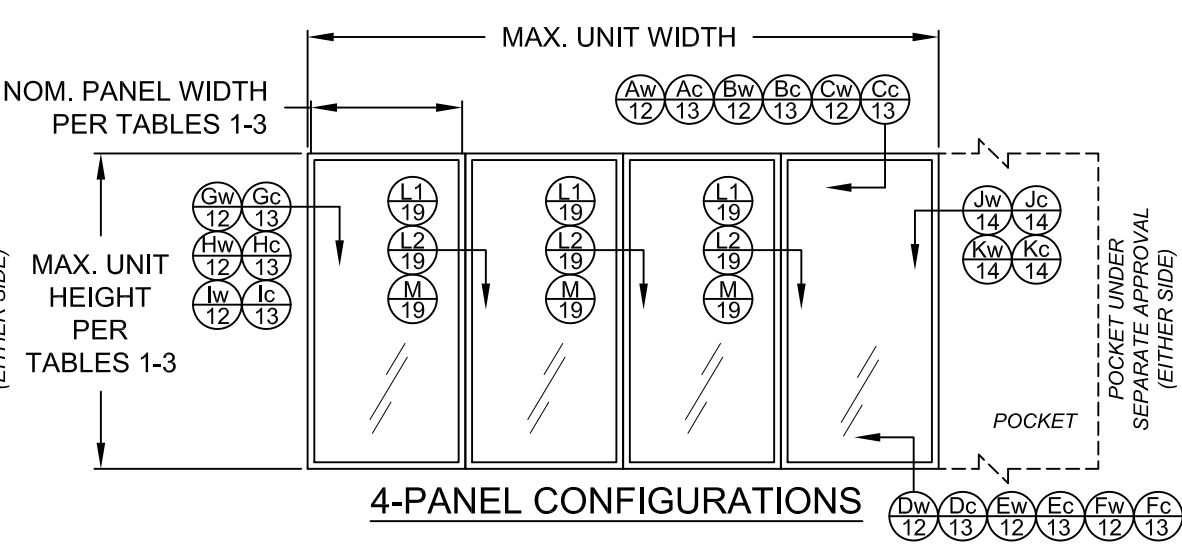
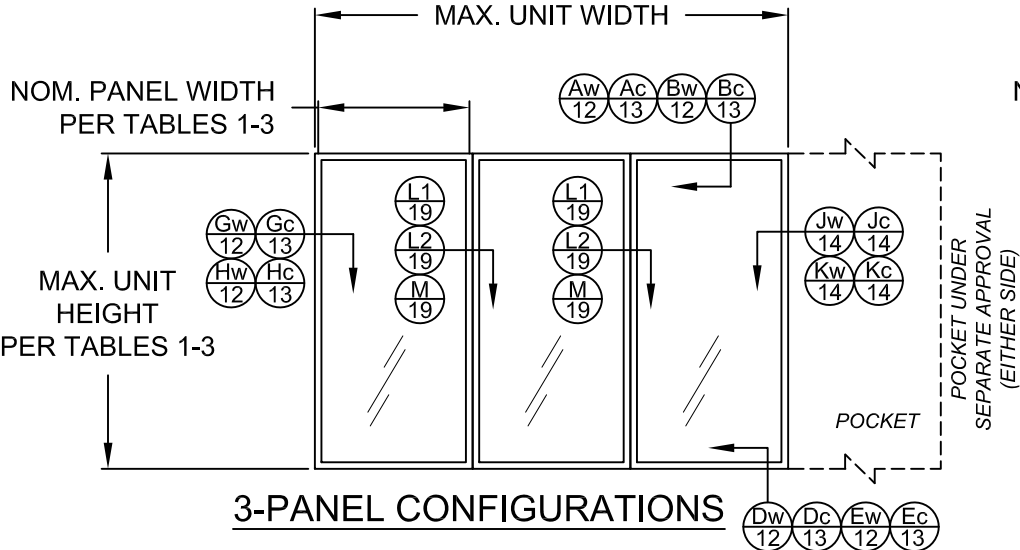
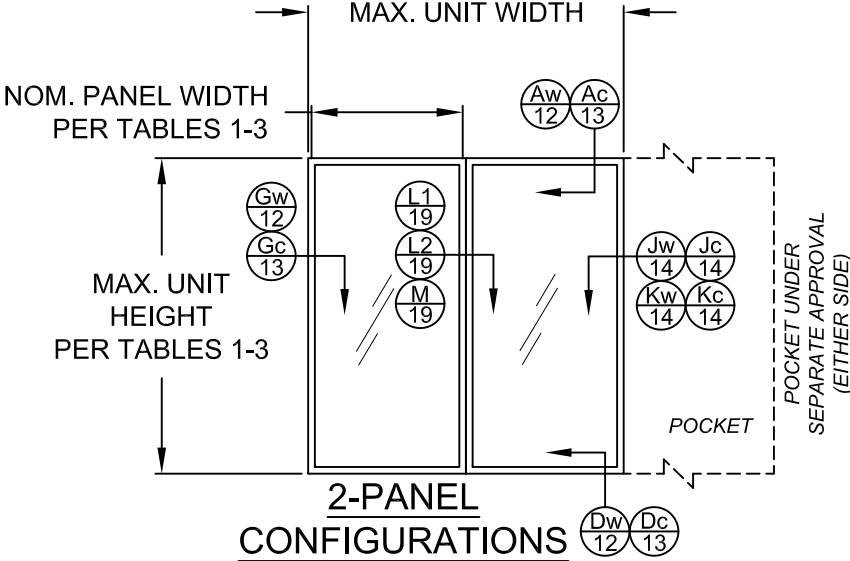
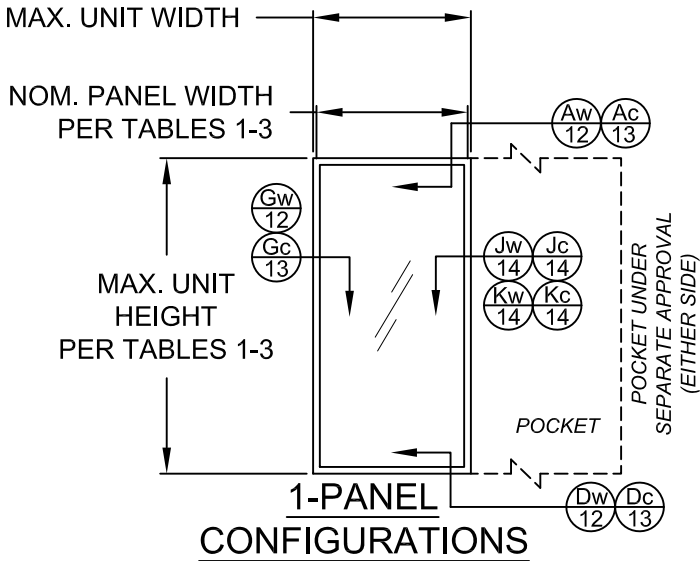
DWG No.

Sheet

Series Desc. Title

ANTHONY LYNN MILLER
LICENSE
No. 58705
06/18/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

EXAMPLE CONFIGURATIONS



DETAIL LETTER

"w" = WOOD OR METAL INSTALLATION

"c" = CONCRETE INSTALLATION

SHEET NUMBER

CONFIGURATIONS NOTES:

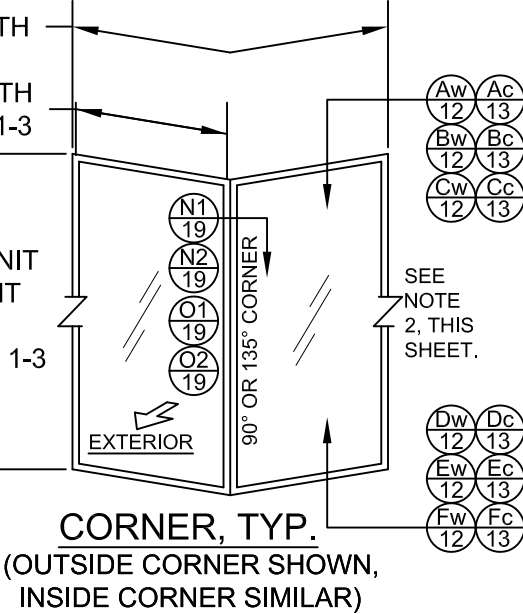
1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS CAN BE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

3) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

"X" = OPERABLE PANEL,
"O" = INOPERABLE PANEL,
"p" = POCKET

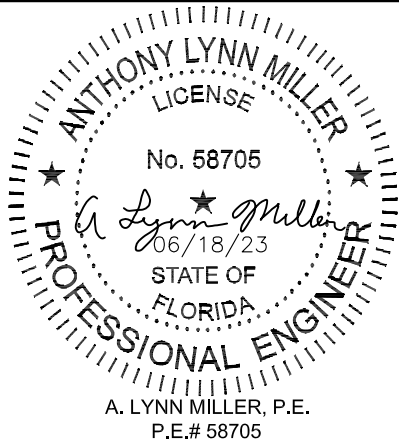
DLO WIDTH = NOM. PANEL WIDTH - 7"
PANEL HEIGHT = WINDOW UNIT HEIGHT - 1-7/8"
DLO HEIGHT = WINDOW UNIT HEIGHT - 10-1/8"
DLO HEIGHT = PANEL HEIGHT - 8-1/4"



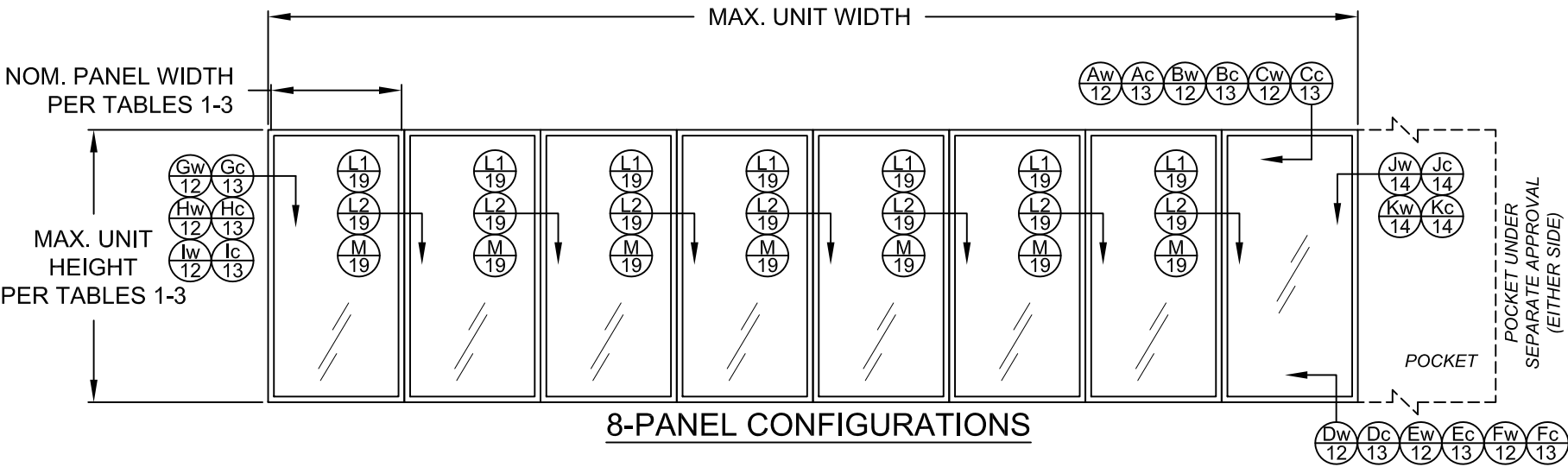
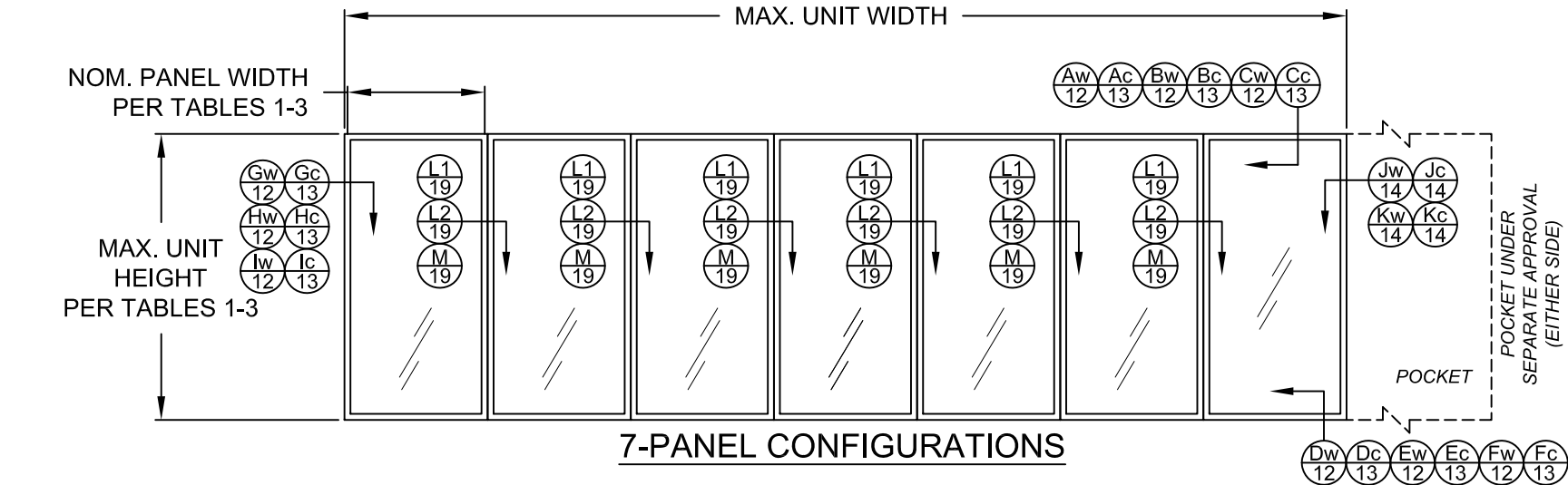
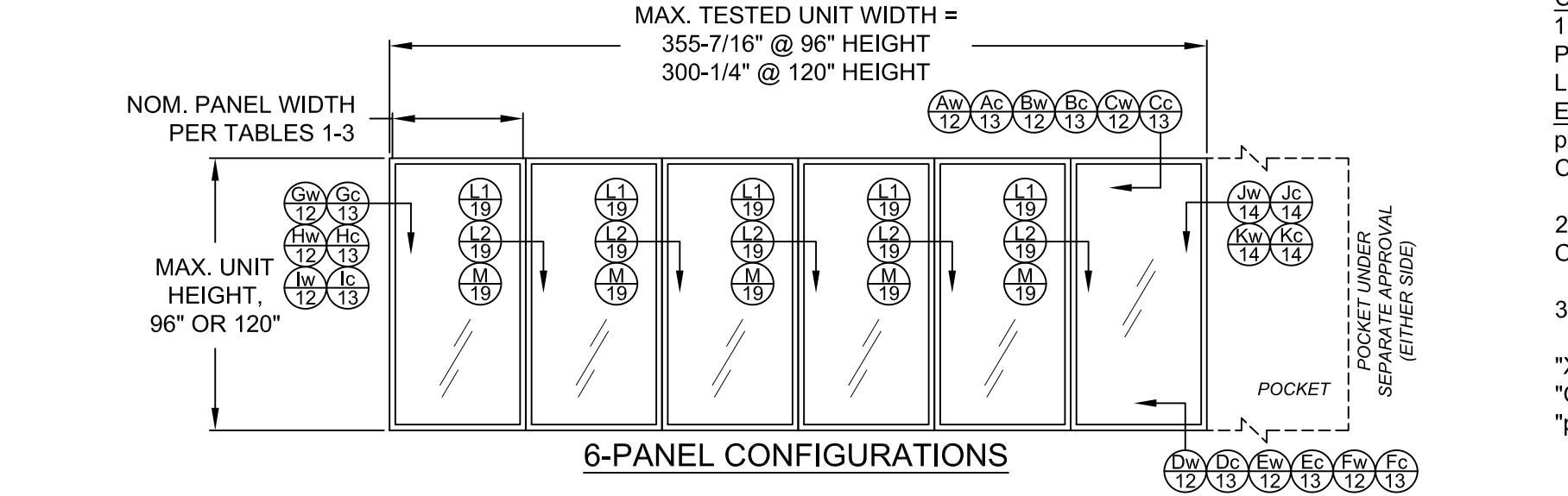
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0710.08**
Expiration Date: **02/12/2025**
By: *Manuel Perez*
Miami-Dade Product Control

UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 WINDOWS	REGISTRATION #29296	Date	02/28/22	Rev.	G
		By	JENS ROSOWSKI	No.	PGT0129
ALUMINUM SLIDING GLASS WINDOW (LM)	EXAMPLE CONFIGURATIONS	Sheet	2 OF 22	DWG	
		Series	SGD770W		



EXAMPLE CONFIGURATIONS

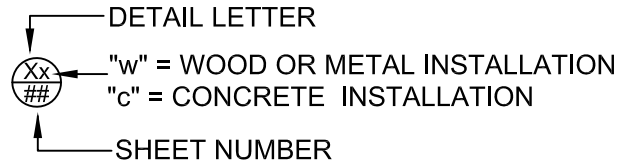


CONFIGURATIONS NOTES:
1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS
POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB
LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION.
EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE
pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION
CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS CAN BE A COMBINATION
OF ANY 2 STRAIGHT CONFIGURATIONS.

3) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

"X" = OPERABLE PANEL,
"O" = INOPERABLE PANEL,
"p" = POCKET



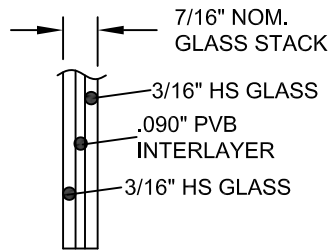
DLO WIDTH = NOM. PANEL WIDTH - 7"
PANEL HEIGHT = WINDOW UNIT HEIGHT - 1-7/8"
DLO HEIGHT = WINDOW UNIT HEIGHT - 10-1/8"
DLO HEIGHT = PANEL HEIGHT - 8-1/4"

PRODUCT REVISED
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NOA-No. 23-0710.08
Expiration Date: 02/12/2025
By: Manuel Perez
Miami-Dade Product Control

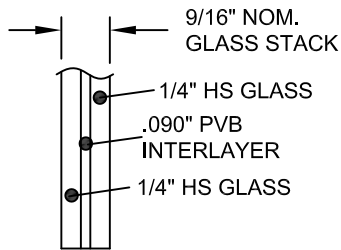
UPDATED TO 2023 FBC,
REFORMATED TITLE
BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 CUSTOM WINDOWS and ALUMINUM SLIDING GLASS WINDOW (LM)	REGISTRATION #29296	02/28/22	JENS ROSOWSKI	PGT0129	G
PGT Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS WINDOW (LM)	EXAMPLE CONFIGURATIONS	SGD770W	3 OF 22	Sheet
A. LYNN MILLER P.E.# 58705	STATE OF FLORIDA	06/18/23	No. 58705	ANTHONY LYNN MILLER LICENSE	Professional Engineer

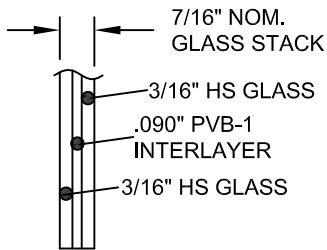
GLAZING DETAILS



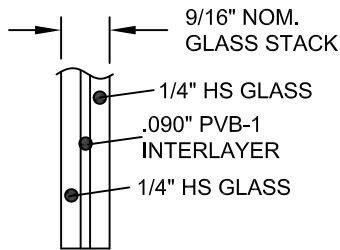
GLASS TYPE 3



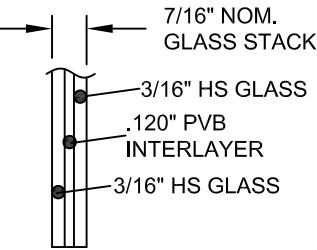
GLASS TYPE 3A



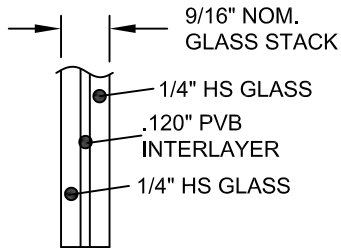
GLASS TYPE 3B



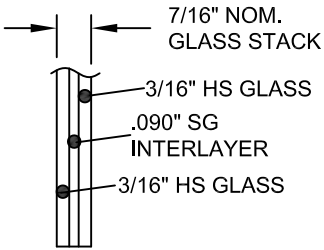
GLASS TYPE 3C



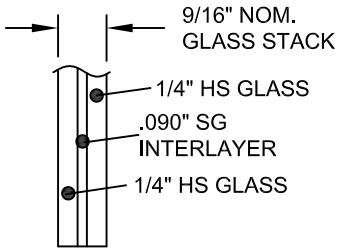
GLASS TYPE 3D



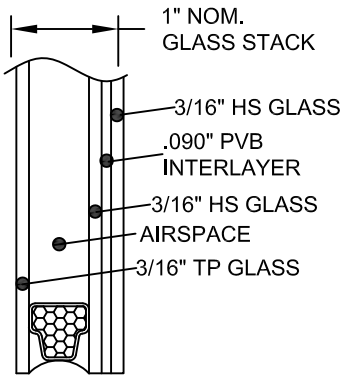
GLASS TYPE 3E



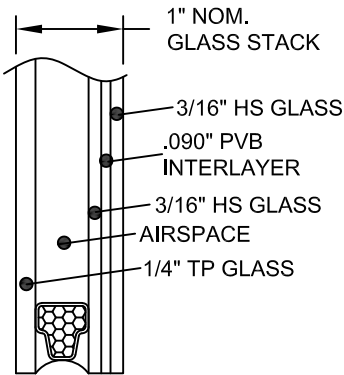
GLASS TYPE 4



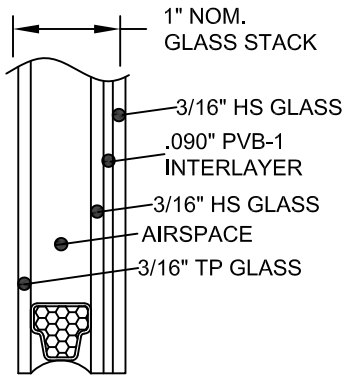
GLASS TYPE 4A



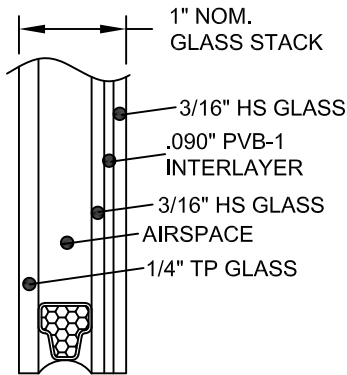
GLASS TYPE 5



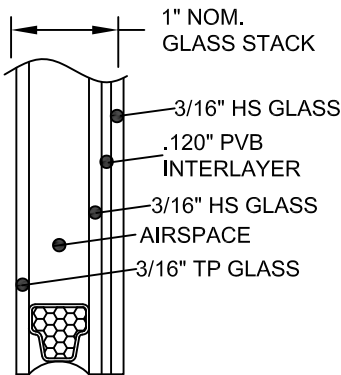
GLASS TYPE 5A



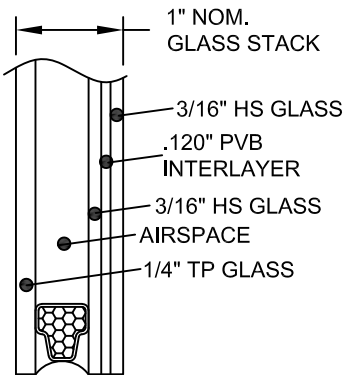
GLASS TYPE 5B



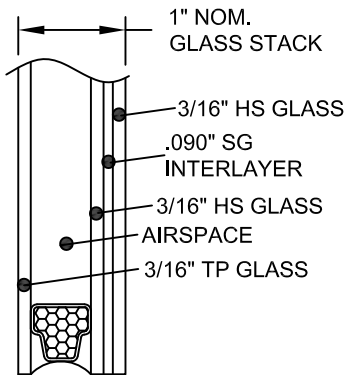
GLASS TYPE 5C



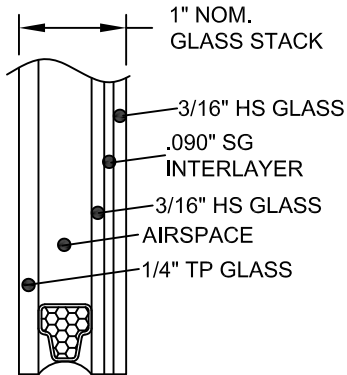
GLASS TYPE 5D



GLASS TYPE 5E



GLASS TYPE 6



GLASS TYPE 6A

TABLE B:

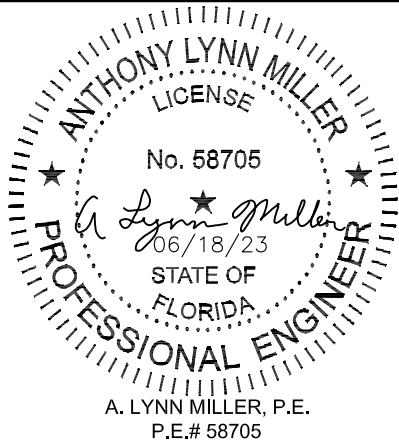
Glass Type	Description (Listed from Exterior to Interior)
3	7/16" LAMI: 3/16" HS, .090" PVB, 3/16" HS
3A	9/16" LAMI: 1/4" HS, .090" PVB, 1/4" HS
3B	7/16" LAMI: 3/16" HS, .090" PVB-1, 3/16" HS
3C	9/16" LAMI: 1/4" HS, .090" PVB-1, 1/4" HS
3D	7/16" LAMI: 3/16" HS, .120" PVB, 3/16" HS
3E	9/16" LAMI: 1/4" HS, .120" PVB, 1/4" HS
4	7/16" LAMI: 3/16" HS, .090" SG, 3/16" HS
4A	9/16" LAMI: 1/4" HS, .090" SG, 1/4" HS
5	1" LAMI IG: 3/16" TP CAP, AIRSPACE, 3/16" HS, .090" PVB, 3/16" HS
5A	1" LAMI IG: 1/4" TP CAP, AIRSPACE, 3/16" HS, .090" PVB, 3/16" HS
5B	1" LAMI IG: 3/16" TP CAP, AIRSPACE, 3/16" HS, .090" PVB-1, 3/16" HS
5C	1" LAMI IG: 1/4" TP CAP, AIRSPACE, 3/16" HS, .090" PVB-1, 3/16" HS
5D	1" LAMI IG: 3/16" TP CAP, AIRSPACE, 3/16" HS, .120" PVB, 3/16" HS
5E	1" LAMI IG: 1/4" TP CAP, AIRSPACE, 3/16" HS, .120" PVB, 3/16" HS
6	1" LAMI IG: 3/16" TP CAP, AIRSPACE, 3/16" HS, .090" SG, 3/16" HS
6A	1" LAMI IG: 1/4" TP CAP, AIRSPACE, 3/16" HS, .090" SG, 3/16" HS
7	7/16" LAMI: 3/16" AN, .090" SG, 3/16" AN
7A	9/16" LAMI: 1/4" AN, .090" SG, 1/4" AN
8	1" LAMI IG: 3/16" TP CAP, AIRSPACE, 3/16" AN, .090" SG, 3/16" AN
8A	1" LAMI IG: 1/4" TP CAP, AIRSPACE, 3/16" AN, .090" SG, 3/16" AN

AN = ANNEALED
HS = HEAT STRENGTHENED
TP = TEMPERED
PVB = TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.
PVB-1 = MODIFIED TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.
SG = SENTRYGLAS PVB INTERLAYER BY KURARAY AMERICA, INC.

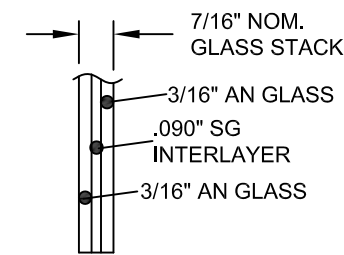
PRODUCT REVISED
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Expiration Date: **02/12/2025**
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Miami-Dade Product Control

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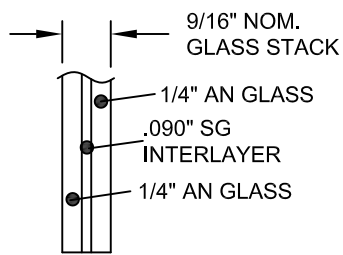
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 WINDOWs	REGISTRATION #29296	Date	02/28/22	By	JENS ROSOWSKI	DWG No.	PGT0129	Rev.	G
		ALUMINUM SLIDING GLASS WINDOW (LM)		GLAZING DETAILS		4 OF 22		SGD770W	
		CUSTOM WINDOWS and		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		P		T	
		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SLIDING GLASS WINDOW (LM)		GLAZING DETAILS		SGD770W	



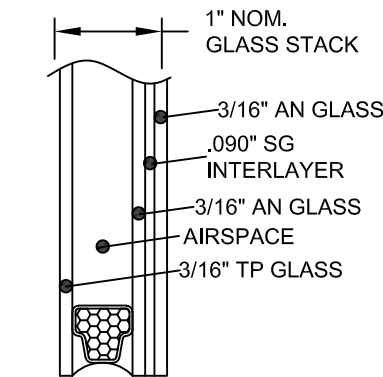
GLAZING DETAILS, CONT.



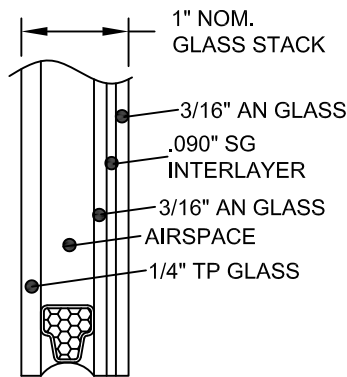
GLASS TYPE 7



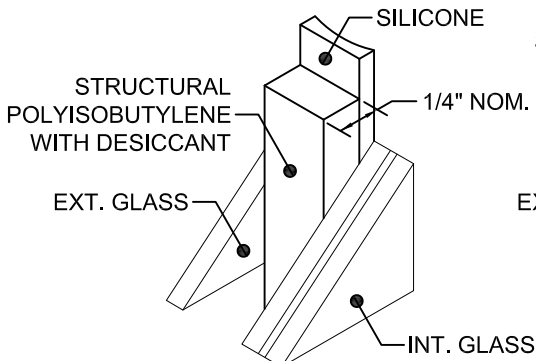
GLASS TYPE 7A



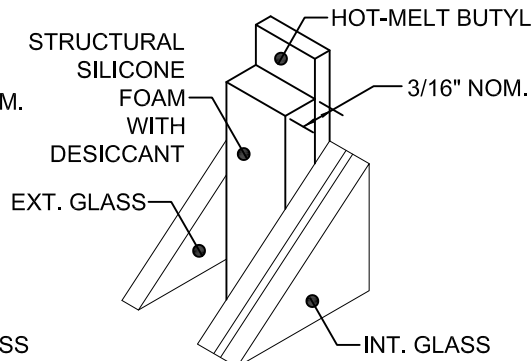
GLASS TYPE 8



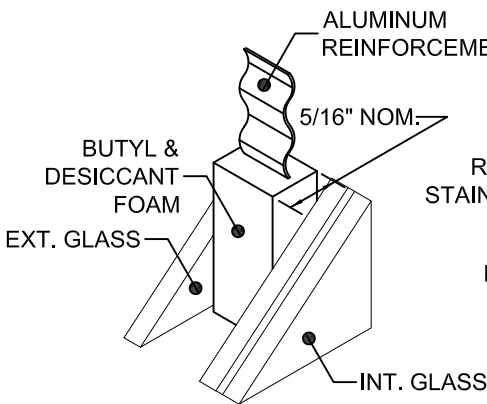
GLASS TYPE 8A



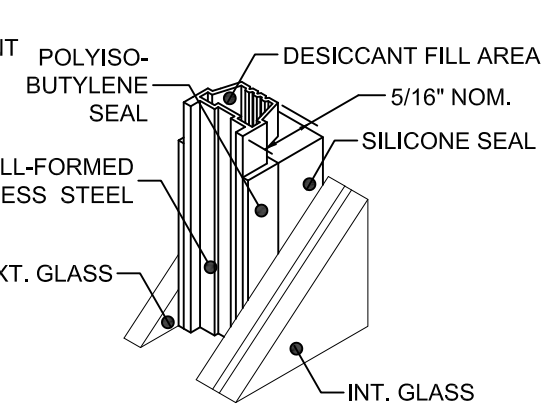
124 KODISPACE 4SG TPS



125 SUPER SPACER[®] NXT[™]



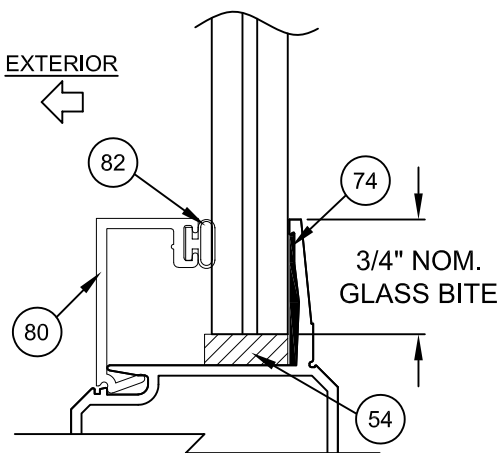
126 DURASEAL[®] SPACER



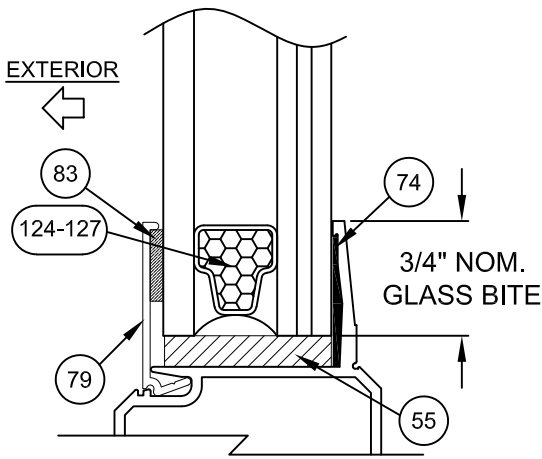
127 XL EDGE[™] SPACER

Part #	Description	Material
124	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
125	Quanex Super Spacer nXT with Hot Melt Butyl	
126	Quanex Duraseal Spacer	
127	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970



LAMI. GLAZING DETAIL



LAMI. IG GLAZING DETAIL

PRODUCT REVISED
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Miami-Dade Product Control

Revision: UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	CUSTOM WINDOWS and WINDOW S	REGISTRATION #29296	Date	02/28/22	Rev.	G
			By	JENS ROSOWSKI	DWG No.	PGT0129
			Series	GLAZING DETAILS	Sheet	SGD770W
			Title	ALUMINUM SLIDING GLASS WINDOW (LM)	5 OF 22	

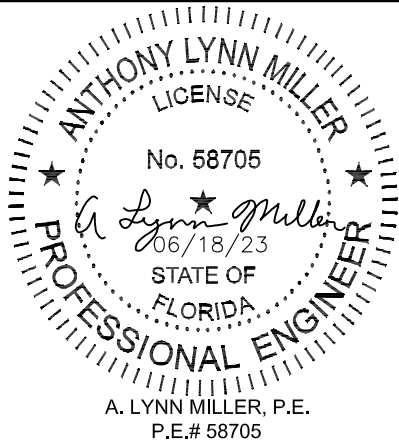


TABLE 1:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3) For corner astragal anchorage on 90° or 135° corner units, see sheet 11																				Maximum DP for all sizes: +60 / -60 (May be limited by Table 1A)							
Applies to Inter./Glass Types: .090" PVB: 3, 3A, 5 & 5A .090" SG: 7, 7A, 8 & 8A and the Stile/Astragal types shown below.				Window Unit Height (in)																							
				42				48				60				72				80				96			
				31-7/8" DLO				37-7/8" DLO				49-7/8" DLO				61-7/8" DLO				69-7/8" DLO				85-7/8" DLO			
				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width (in)	24	17" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	36	29" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	42	35" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	48	41" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	10	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8

FOR EXAMPLE ON USING TABLE, SEE SHEET 8.

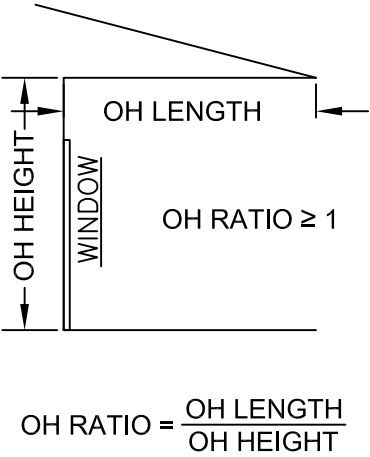
NOTES:

- 1) POSITIVE PRESSURES IN TABLE 1 ARE BASED ON THE USE OF THE 3-1/4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A.
- 3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 1 MAY BE USED WHEN THE WINDOW IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
- 4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) WINDOW SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
- 6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

TABLE 1A:

Sill Height to Max. (+) DP (Water Infiltration Rating)	
Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 60.0

SEE NOTES 1-3



THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 1, SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Standard Stiles	Standard Stile	Standard Stile	Standard Stile	Standard Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
			Standard Astragal		Outside Corner	Outside Corner	Inside Corner	
					Inside Corner	Inside Corner	Outside Corner	
Part #60 (x2)	Part #60	Part #60	Part #60 (Stile) Part #67 (Astragal)	Part #60	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

DLO WIDTH =
NOM. PANEL WIDTH - 7"

PANEL HEIGHT =
WINDOW UNIT HEIGHT - 1-7/8"

DLO HEIGHT =
WINDOW UNIT HEIGHT - 10-1/8"

DLO HEIGHT =
PANEL HEIGHT - 8-1/4"

PRODUCT REVISED
As complying with the Florida Building Code
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Expiration Date: **02/12/2025**
By: *Manuel Perez*
Miami-Dade Product Control

UPDATED TO 2023 FBC,
REFORMATED TITLE
BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 WINDOWs	REGISTRATION #29296	02/28/22	JENS ROSOWSKI	PGT0129	G
		ALUMINUM SLIDING GLASS WINDOW (LM)	DP & ANCHORAGE	6 OF 22	DWG
PGT Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS WINDOW (LM)	DP & ANCHORAGE	SGD770W	Sheet	Series

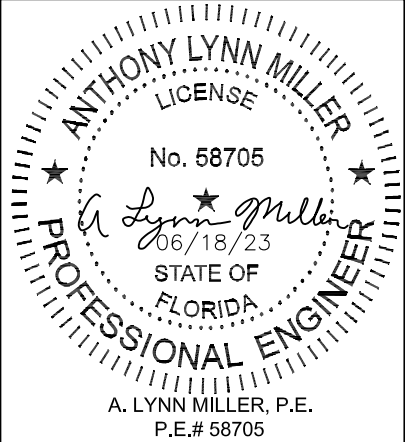


TABLE 2:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)																			Maximum DP for all sizes: +60 / -60 (May be limited by Table 2A)								
For corner astragal anchorage on 90° or 135° corner units, see sheet 11																											
Applies to Interlayer/Glass Types: .090" PVB-1: 3B, 3C, 5B & 5C .120" PVB: 3D, 3E, 5D & 5E .090" SG: 4, 4A, 6, 6A, 7, 7A, 8, 8A and the Stile/Astragal Types shown below.				Window Unit Height (in)																							
				42				48				60				72				80				96			
				31-7/8" DLO				37-7/8" DLO				49-7/8" DLO				61-7/8" DLO				69-7/8" DLO				85-7/8" DLO			
				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width (in)	24	17" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	36	29" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	42	35" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	48	41" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	10	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	54	47" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	10	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	60	53" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	10	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8

FOR EXAMPLE ON USING TABLE, SEE SHEET 8.

- NOTES:
1) POSITIVE PRESSURES IN TABLE 2 ARE BASED ON THE USE OF THE 3-1/4" SILL.

2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX (NEGATIVE PRES. UNCHANGED). SEE TABLE 2A.

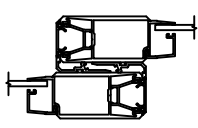
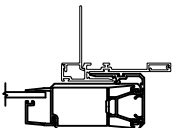
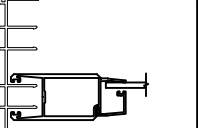

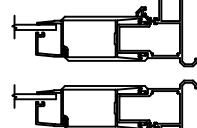
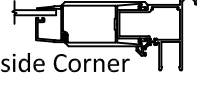
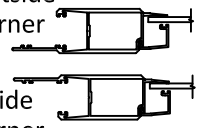
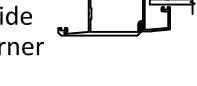
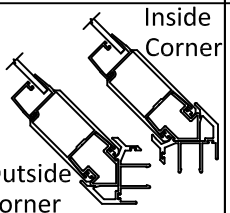


3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT
- REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 2 MAY BE USED WHEN THE WINDOW IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FBC (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.

4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.

5) WINDOW SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.

6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 2, SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
			Standard Astragal		Outside Corner  Inside Corner 	Outside Corner  Inside Corner 	Inside Corner  Outside Corner 	
Part #61 (x2)	Part #61	Part #61	Part #61 (Stile) Part #67 (Astragal)	Part #61	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

DLO WIDTH =
NOM. PANEL WIDTH - 7"

PANEL HEIGHT =
WINDOW UNIT HEIGHT - 1-7/8"

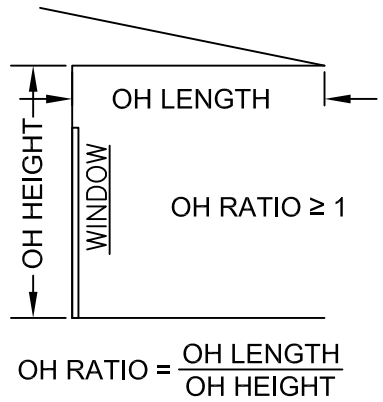
DLO HEIGHT =
WINDOW UNIT HEIGHT - 10-1/8"

DLO HEIGHT =
PANEL HEIGHT - 8-1/4"

TABLE 2A:

Sill Height to Max. (+) DP (Water Infiltration Rating)	
Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 60.0

SEE NOTES 1-3



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0710.08**
Expiration Date: **02/12/2025**
By: *Manuel Perez*
Miami-Dade Product Control

UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

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

Custom Windows and
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

ALUMINUM SLIDING GLASS WINDOW (LM)

DP & ANCHORAGE

SGD770W


02/28/22

JENS ROSOWSKI

7 OF 22

PGT0129

G



ANTHONY LYNN MILLER
LICENSE
No. 58705
06/18/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 3:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3) For corner astragal anchorage on 90° or 135° corner units, see sheet 11																				Maximum DP for all sizes: +90 / -90 (May be limited by Table 3A & Note A below)							
Applies to Inter./Glass Types: .090" SG: 4, 4A, 6, 6A, 7, 7A, 8 & 8A .090" PVB-1: 3B, 3C, 5B & 5C and the Stile/Astragal types shown below.				Window Unit Height (in)																							
				42				48				60				72				80				96			
				31-7/8" DLO				37-7/8" DLO				49-7/8" DLO				61-7/8" DLO				69-7/8" DLO				85-7/8" DLO			
				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width (in)	24	17" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	36	29" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C5+1	C5+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	10	8	8	8	12	10	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	8+9	8+9	8+9	8+9
	42	35" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C5+2	C5+2	C5+2	C5+2	
			Jamb	4	4	4	4	6	6	6	6	8	6	6	6	8	8	8	8	10	8	8	8	12	10	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9
	48	41" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C5+2	C5+2	C4+2	C4+2	See Note A below.				
			Jamb	4	4	4	4	6	6	6	6	8	6	6	6	10	8	8	8	10	8	8	8	14	12	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	9+10	9+10	9+10	9+10

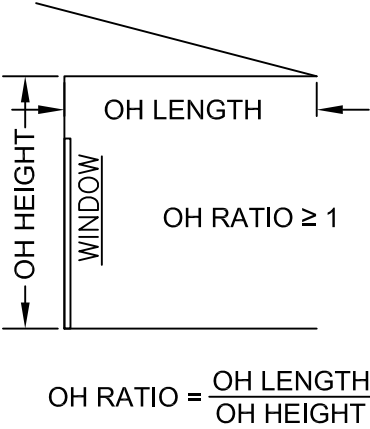
NOTE A: +/-90.0 PSF FOR GLASS TYPES 3B, 3C, 4, 4A, 5B, 5C, 6, 6A, 7A, 8 & 8A; +/-87.1 FOR GLASS TYPE 7

- NOTES:
- 1) POSITIVE PRESSURES IN TABLE 3 ARE BASED ON THE USE OF THE 4" SILL.
 - 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 3A.
 - 3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 3 MAY BE USED WHEN THE WINDOW IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
 - 4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
 - 5) WINDOW SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
 - 6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

TABLE 3A:

Sill Height to Max. (+) DP (Water Infiltration Rating)	
Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 90.0

SEE NOTES 1-3



THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 3, SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
			Heavy-duty Astragal 		Outside Corner Inside Corner 	Outside Corner Inside Corner 		
Part #61 (x2)	Part #61	Part #61	Part #61 (Stile) Part #68 (Astragal)	Part #61	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

- DLO WIDTH =
NOM. PANEL WIDTH - 7"
- PANEL HEIGHT =
WINDOW UNIT HEIGHT - 1-7/8"
- DLO HEIGHT =
WINDOW UNIT HEIGHT - 10-1/8"
- DLO HEIGHT =
PANEL HEIGHT - 8-1/4"

PRODUCT REVISED

As complying with the Florida Building Code

NOA-No. 23-0710.08

Expiration Date: 02/12/2025

By: *Manuel Perez*

Miami-Dade Product Control

Revision:

UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.

JR - 06/06/23

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1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

Custom Windows and

PGT

REGISTRATION #29296

ALUMINUM SLIDING GLASS WINDOW (LM)

DP & ANCHORAGE

02/28/22

JENS ROSOWSKI

8 OF 22

SGD770W

PGT0129

G

ANTHONY LYNN MILLER

LICENSE

No. 58705

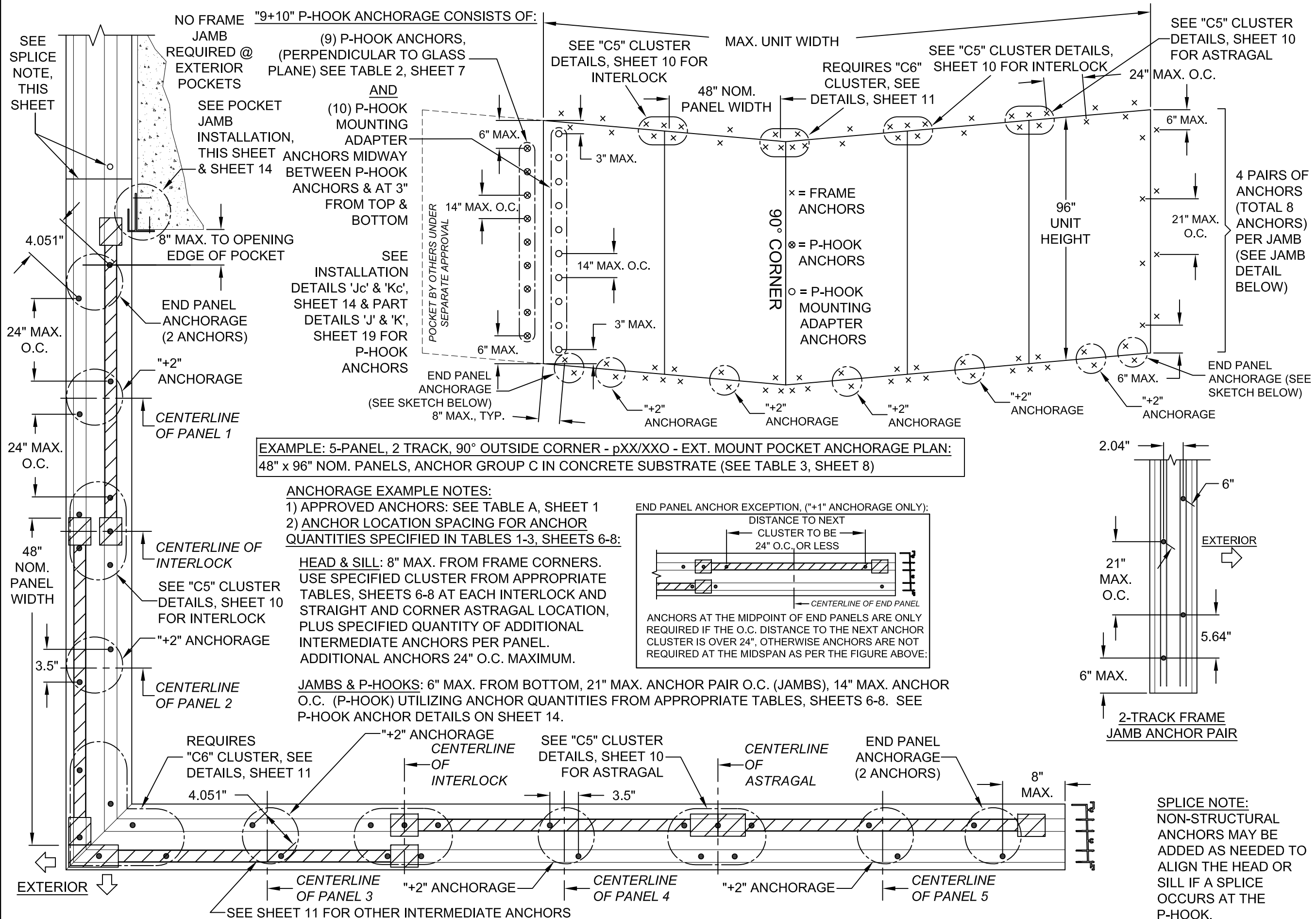
06/18/23

STATE OF FLORIDA

PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.

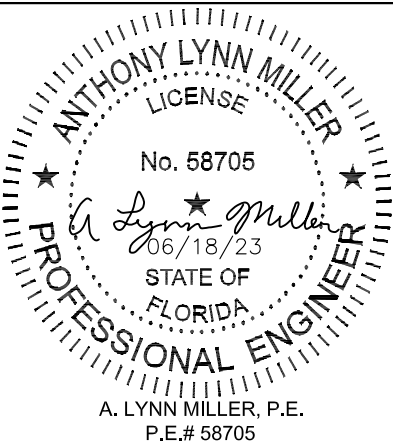
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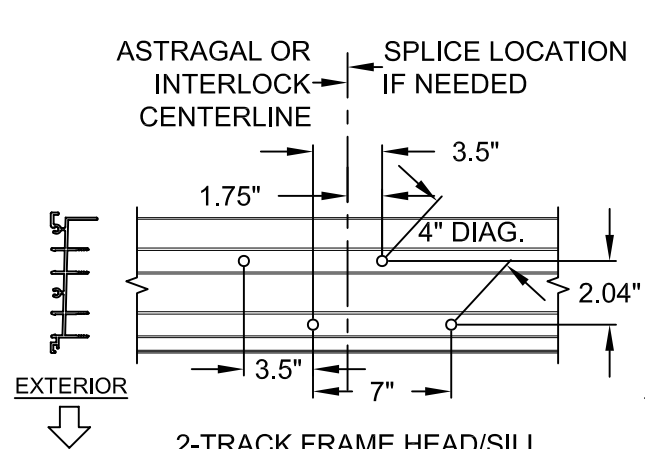


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Expiration Date: **02/12/2025**
By: *Manuel Perez*
Miami-Dade Product Control

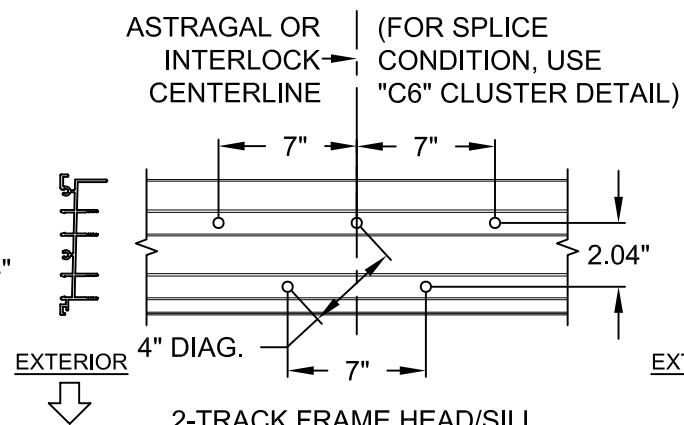
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ALUMINUM SLIDING GLASS WINDOW (LM)	EXAMPLE SPACING & EXAMPLE	SGD770W	9 OF 22	DWG	No.	Rev.

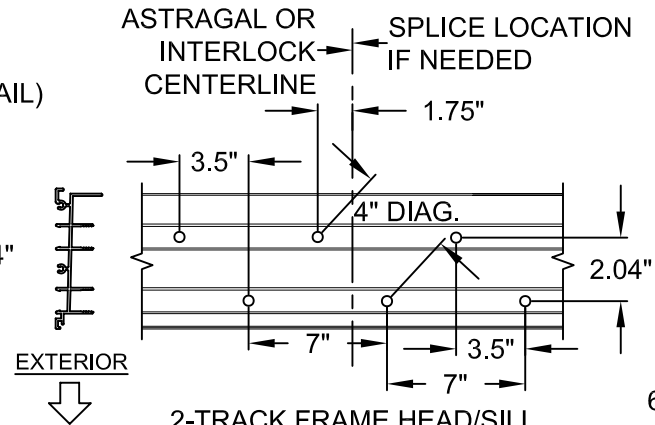




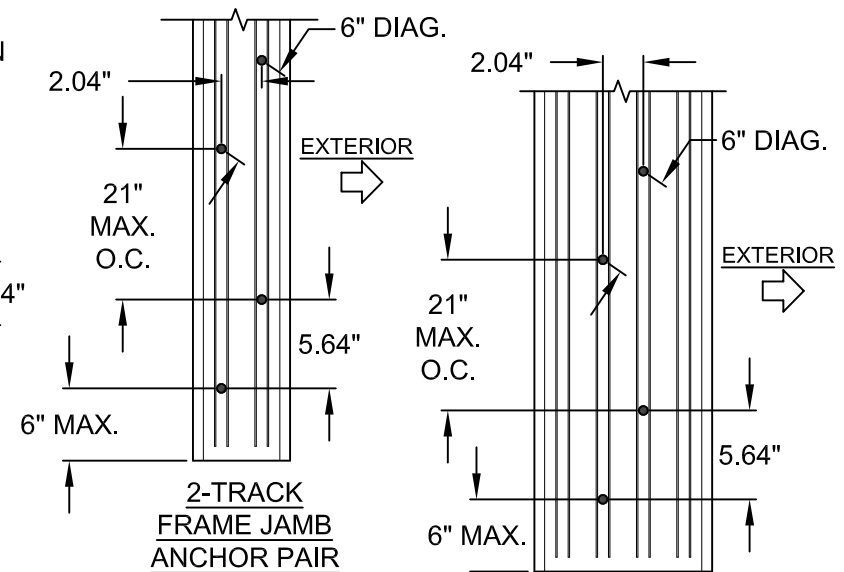
2-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 4 CLUSTER
ANCHORS ARE REQUIRED, "C4")



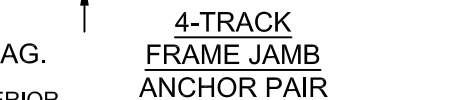
2-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 5 CLUSTER
ANCHORS ARE REQUIRED, "C5")



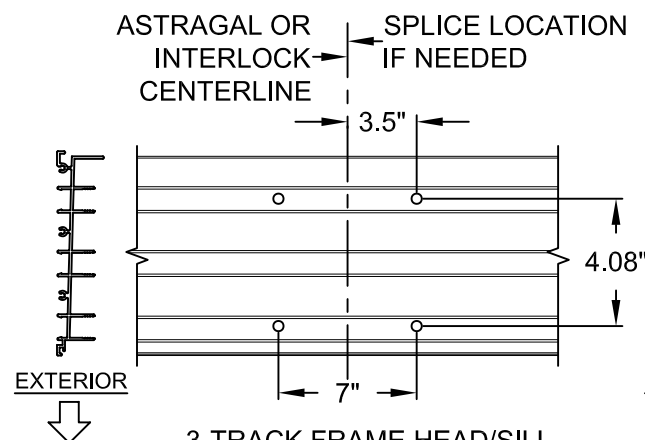
2-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 6 CLUSTER
ANCHORS ARE REQUIRED, "C6")



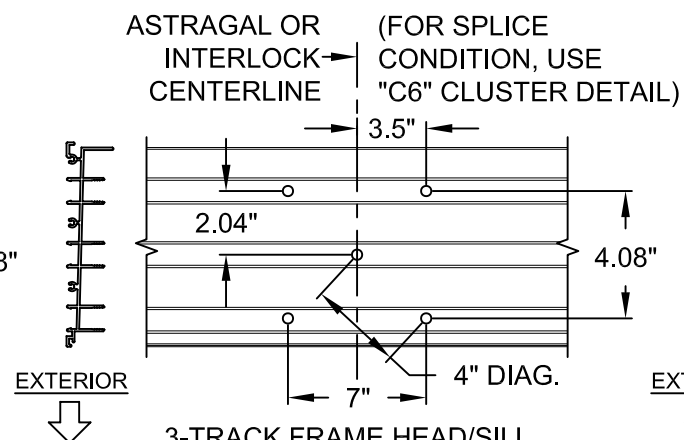
2-TRACK
FRAME JAMB
ANCHOR PAIR



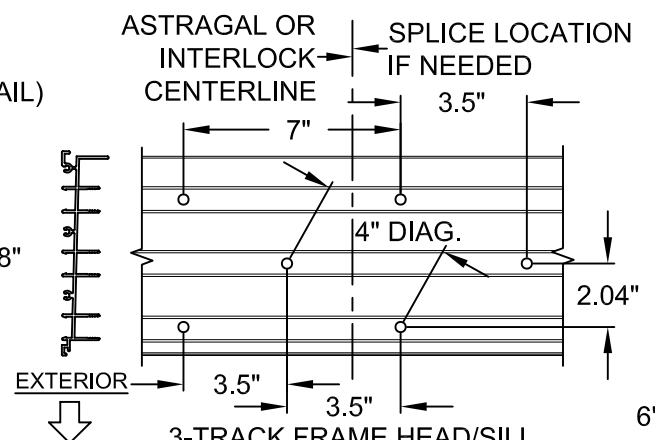
4-TRACK
FRAME JAMB
ANCHOR PAIR



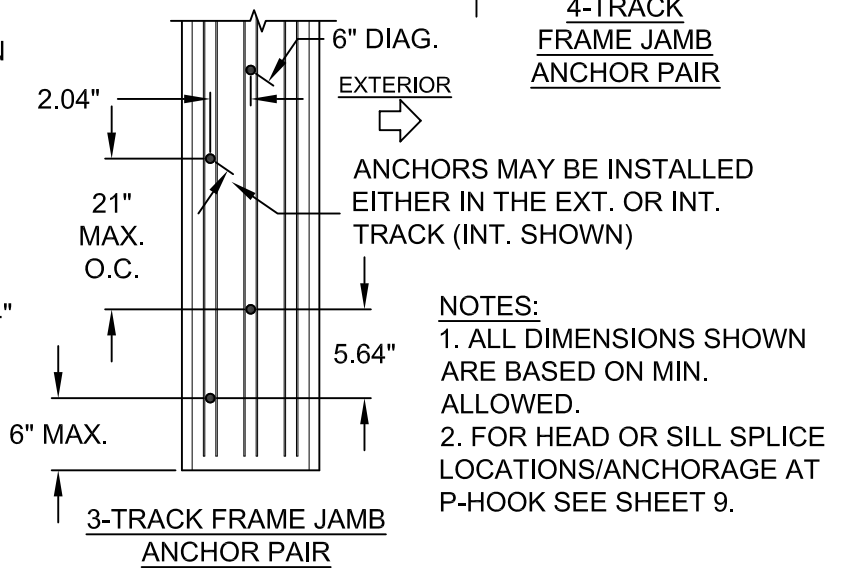
3-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 4 CLUSTER
ANCHORS ARE REQUIRED, "C4")



3-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 5 CLUSTER
ANCHORS ARE REQUIRED, "C5")

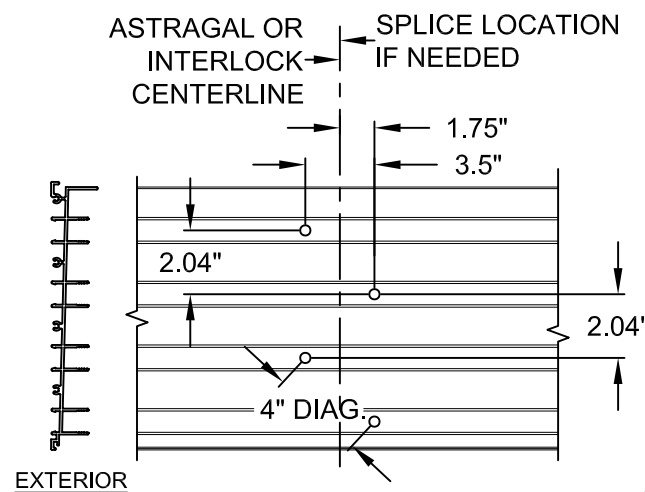


3-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 6 CLUSTER
ANCHORS ARE REQUIRED, "C6")

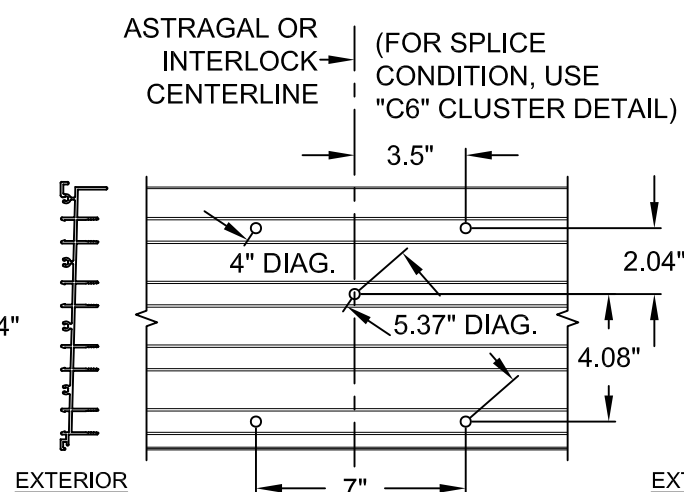


3-TRACK FRAME JAMB
ANCHOR PAIR

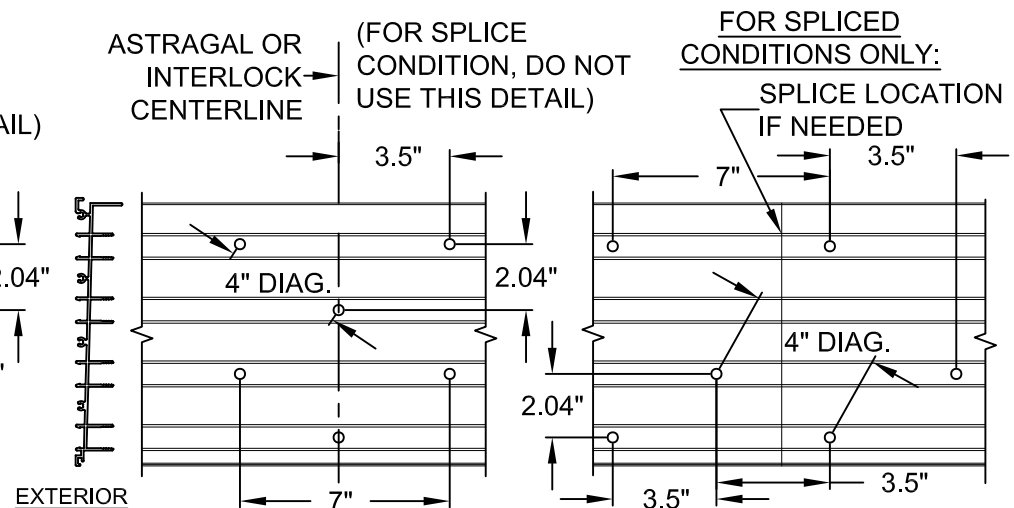
NOTES:
1. ALL DIMENSIONS SHOWN
ARE BASED ON MIN.
ALLOWED.
2. FOR HEAD OR SILL SPLICE
LOCATIONS/ANCHORAGE AT
P-HOOK SEE SHEET 9.



4-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 4 CLUSTER
ANCHORS ARE REQUIRED, "C4")



4-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 5 CLUSTER
ANCHORS ARE REQUIRED, "C5")

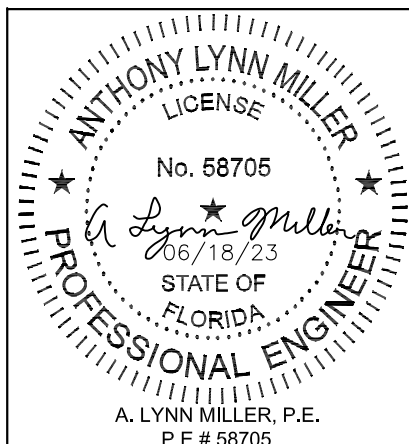


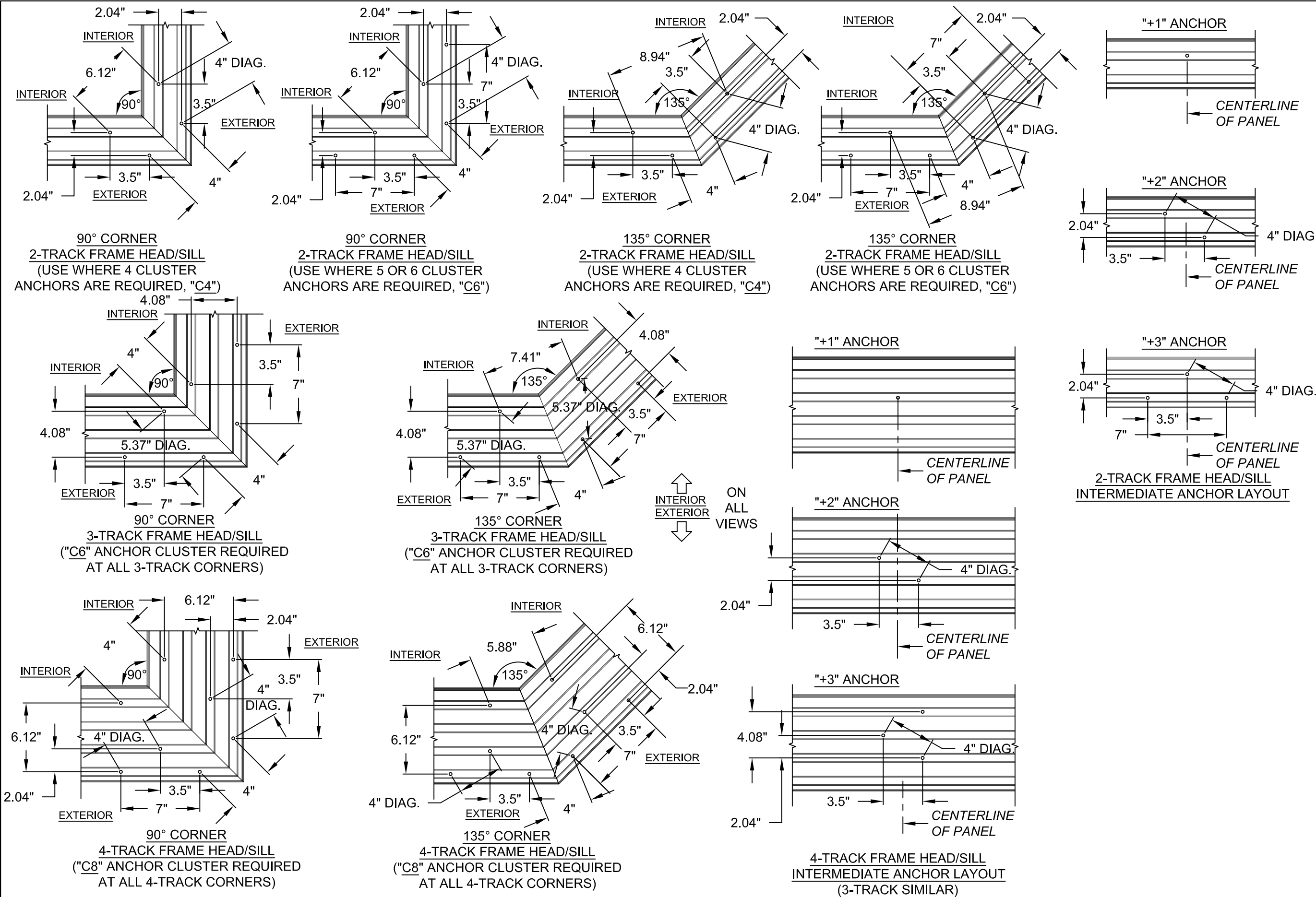
4-TRACK FRAME HEAD/SILL
@ ASTRAGAL OR INTERLOCK
(USE WHERE 6 CLUSTER ANCHORS ARE REQUIRED, "C6")
WITH & WITHOUT SPLICE CONDITION

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0710.08**
Expiration Date: **02/12/2025**
By: *Manuel Perez*
Miami-Dade Product Control

UPDATED TO 2023 FBC,
REFORMATED TITLE
BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 CUSTOM WINDOWS AND ALUMINUM SLIDING GLASS WINDOW (LM)	REGISTRATION #29296 DATE 02/28/22 BY JENS ROSOWSKI DRAWN ANCHORAGE - CLUSTERS	10 OF 22 DWG No. SGD770W Sheet	PGT0129 Rev. G




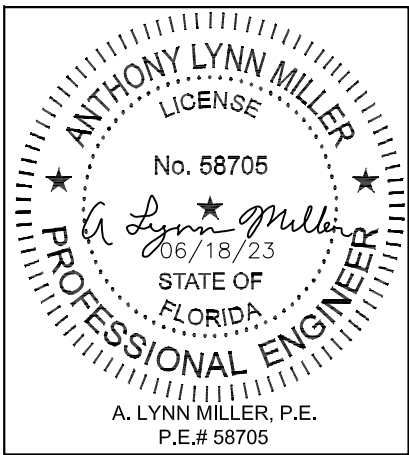


NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2. DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE IDENTICAL FOR EXTERIOR OR INTERIOR CORNER CONFIGURATIONS.

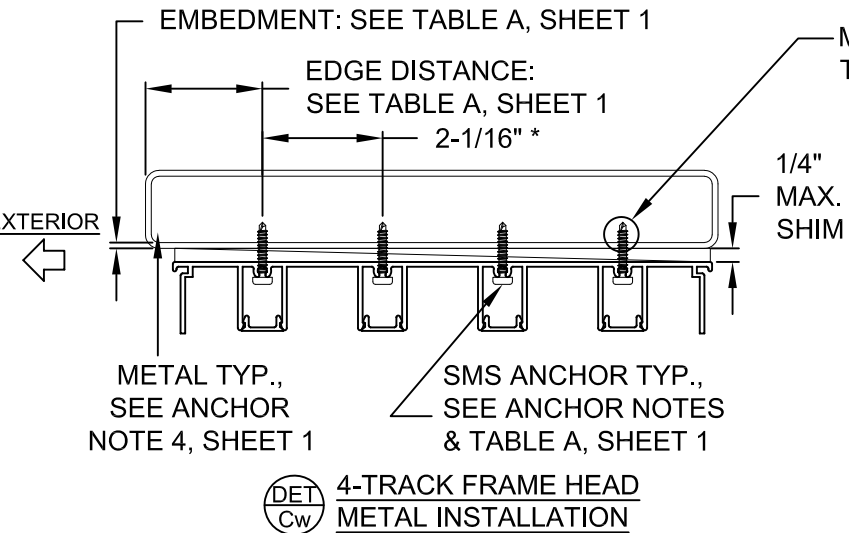
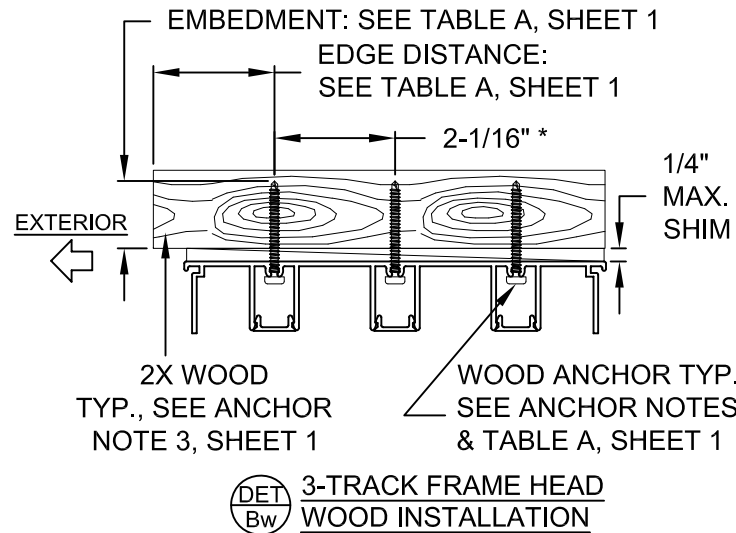
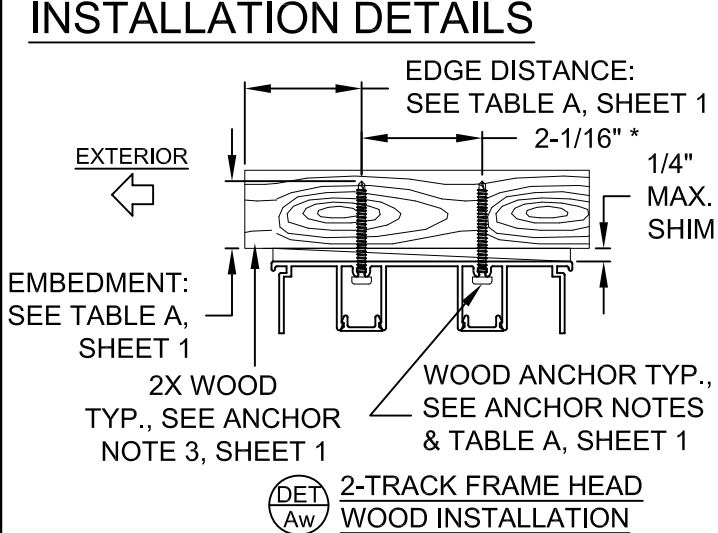
PRODUCT REVISED
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By: *Manuel Perez*
Miami-Dade Product Control

Revision: UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

 Custom Windows and		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 WINDOWS		
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		
Title	ALUMINUM SLIDING GLASS WINDOW (LM)		Date	02/28/22
ANCHORAGE - CLUSTERS		Drawn By	JENS ROSOWSKI	
Series	SGD770W	Sheet	11 OF 22	DWG No.
		PGT0129		Rev.
				G



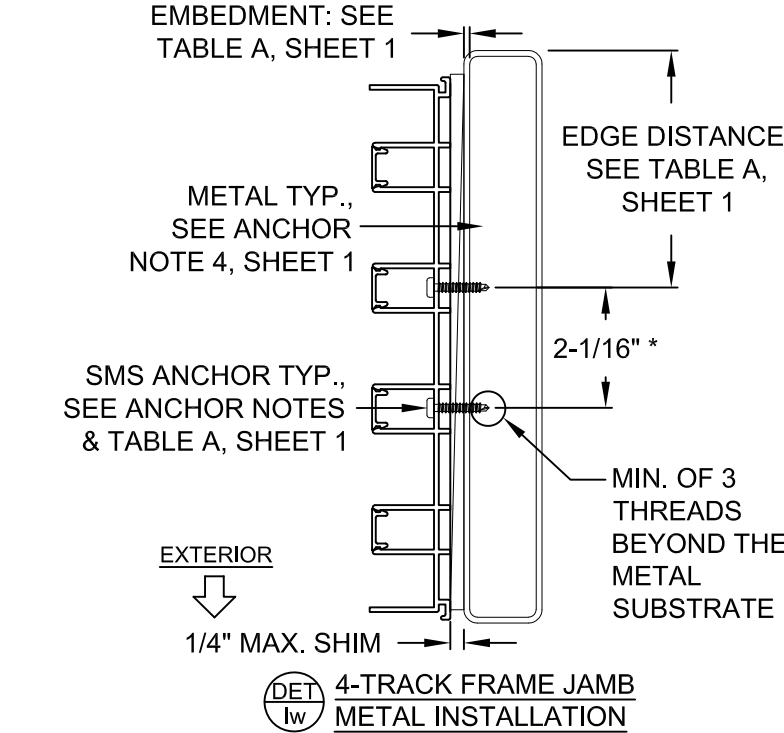
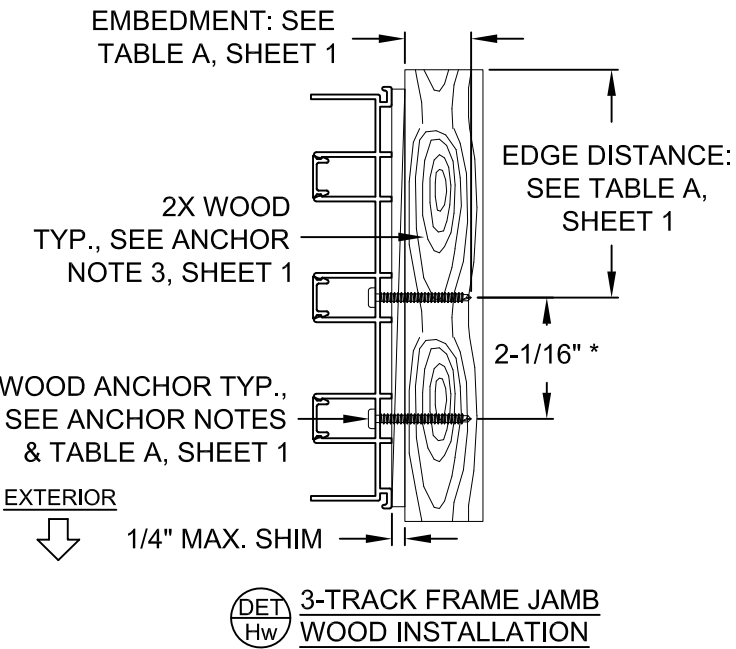
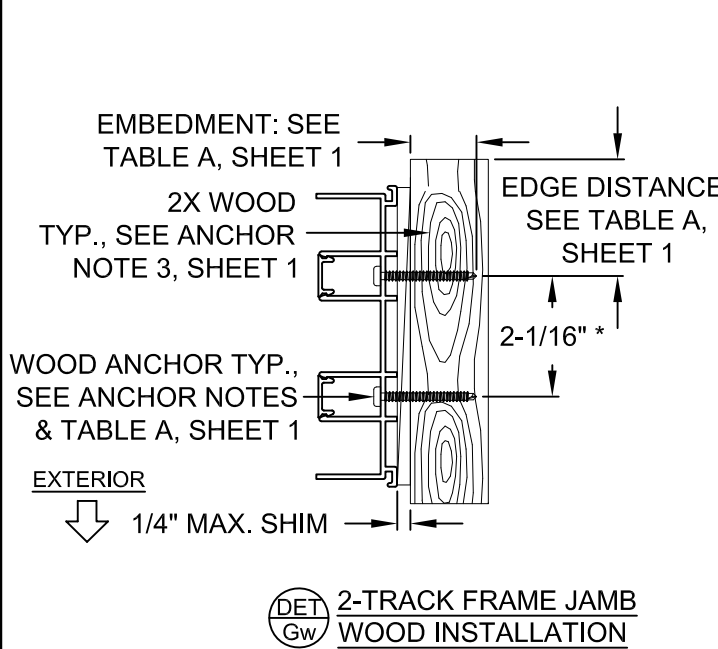
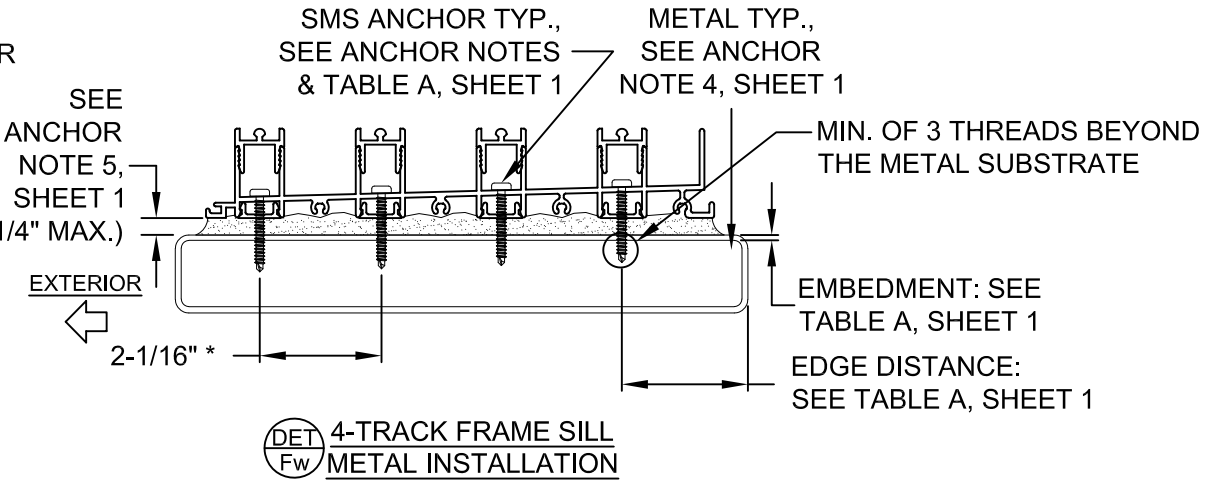
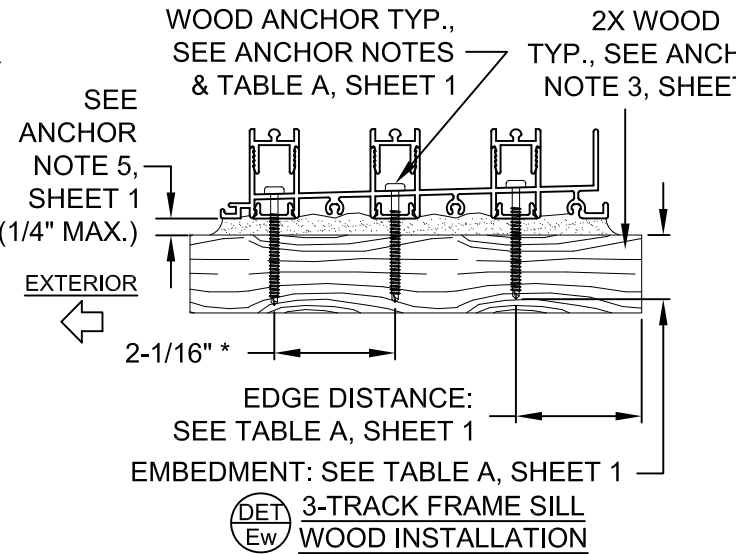
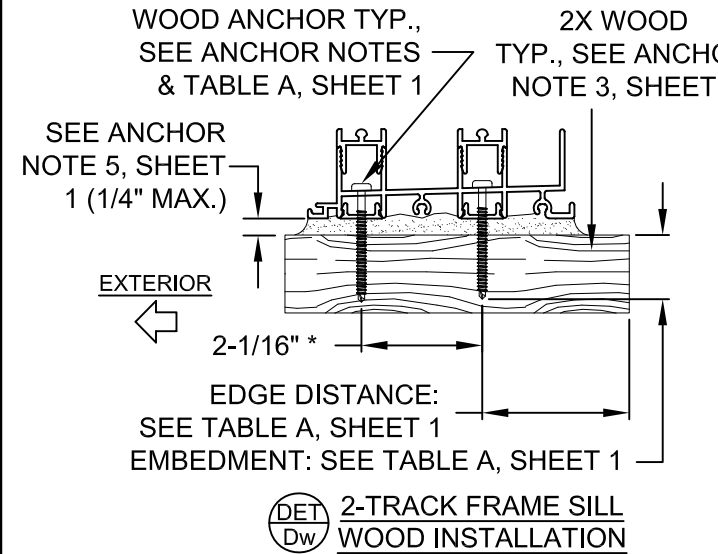
INSTALLATION DETAILS



MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE

NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
2. METAL OR WOOD SUBSTRATES MAY BE USED FOR ALL FRAME TYPES PER TABLE A, SHEET 1.

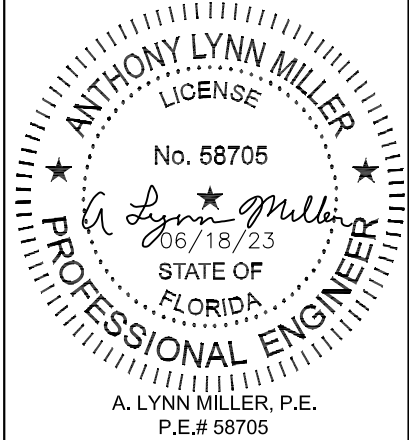
* DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 10 & 11.



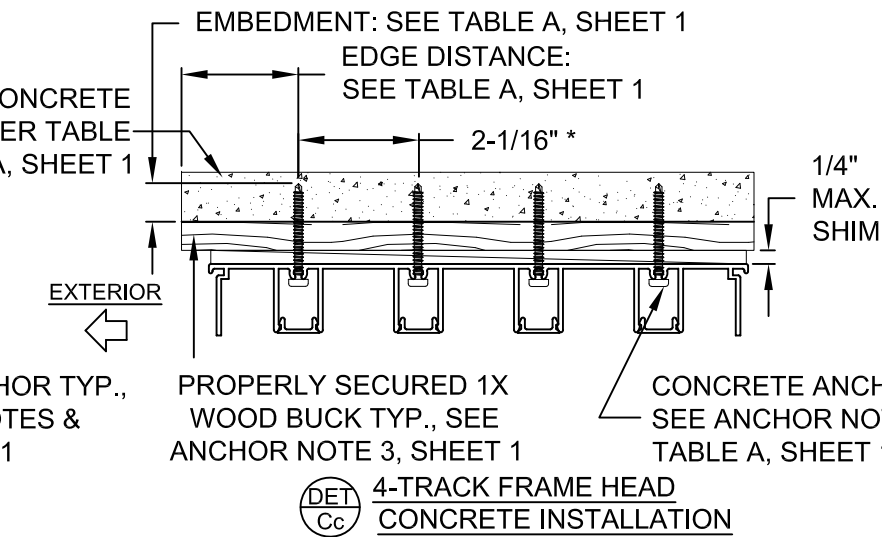
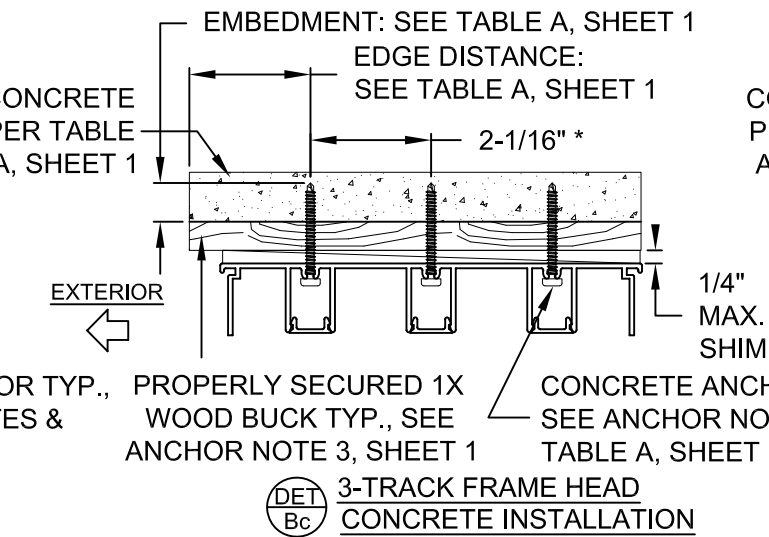
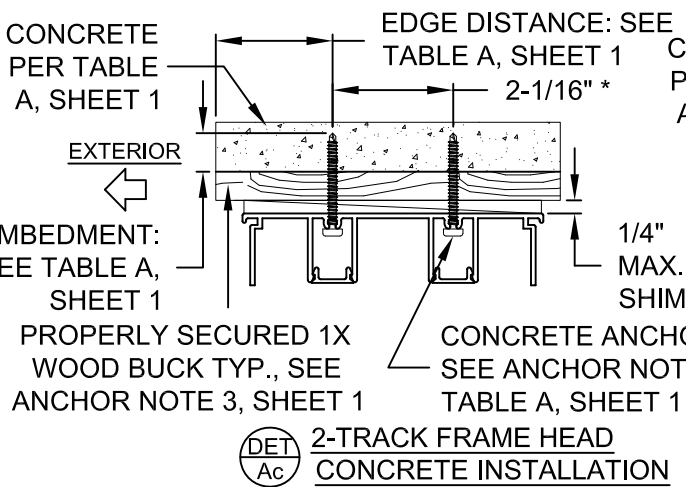
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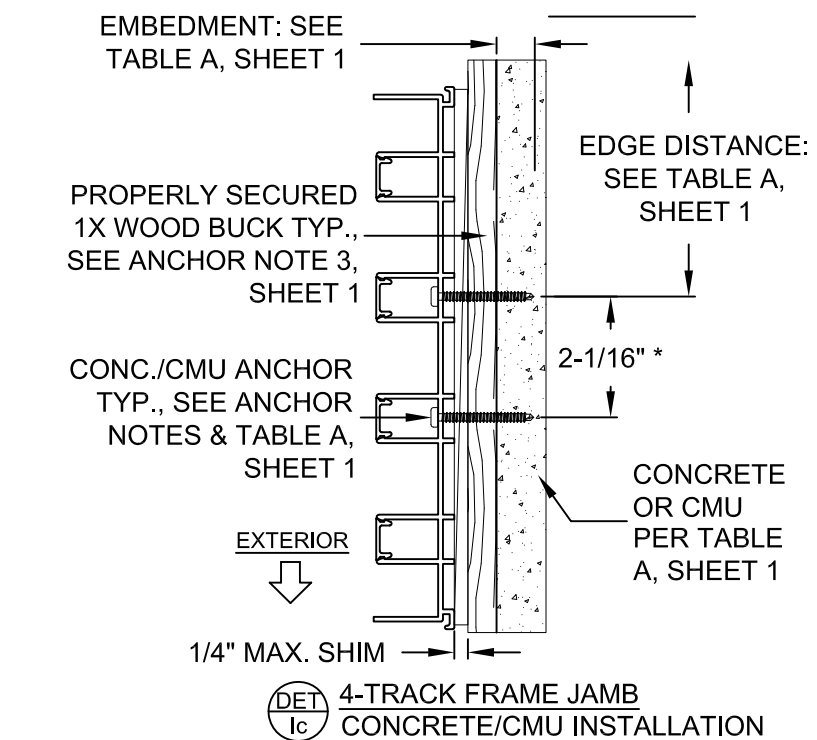
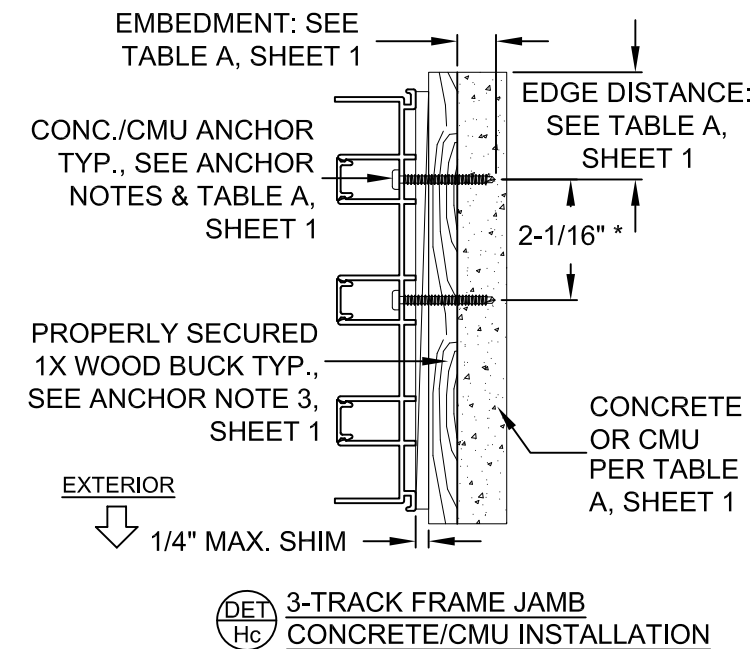
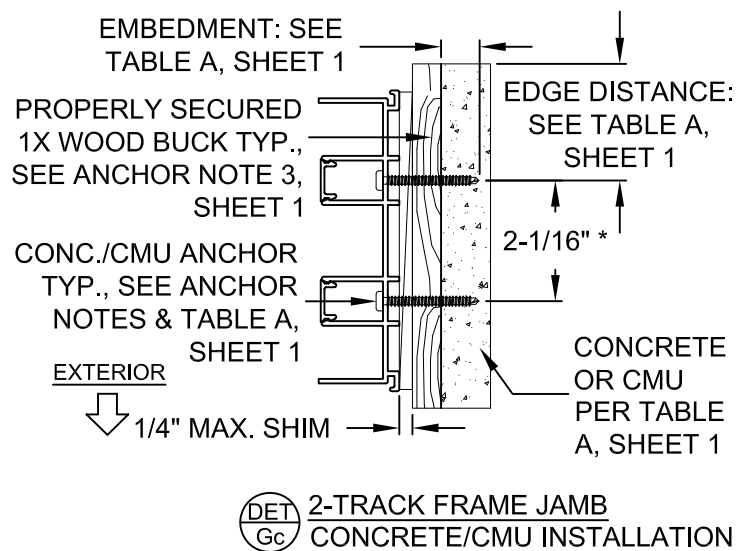
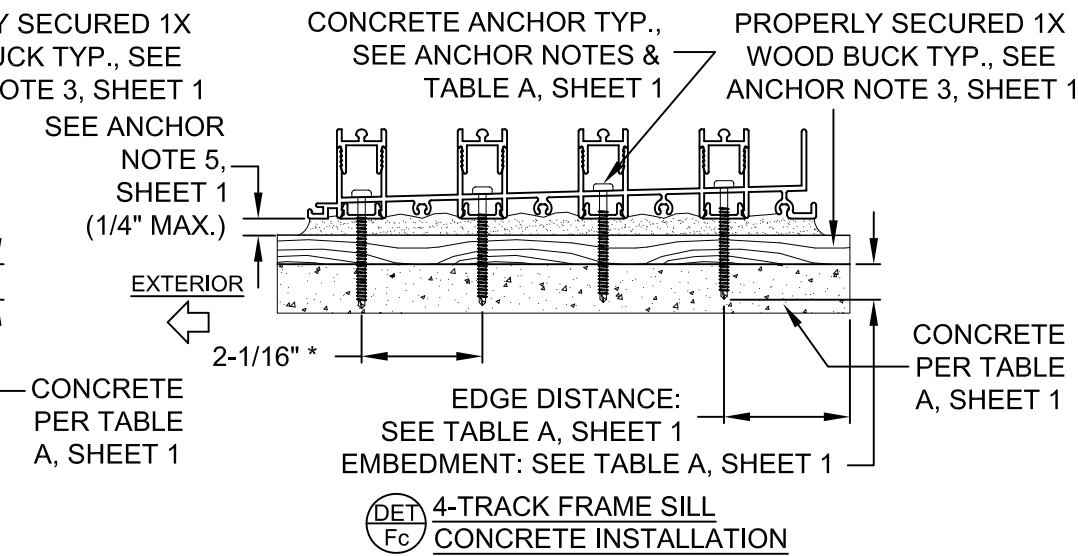
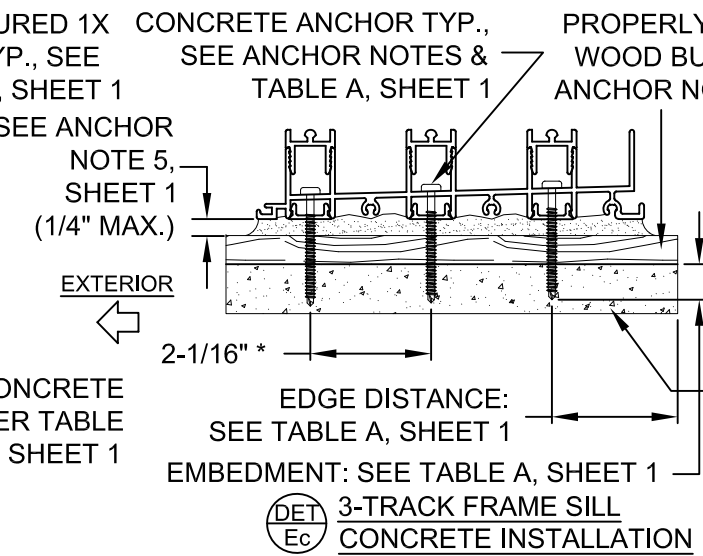
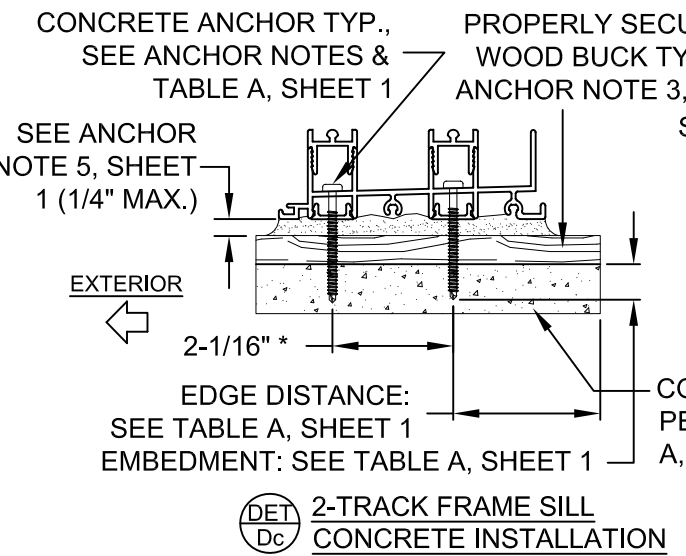
<div>PGT</div> <div>Custom Windows and</div>		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			WINDOWs		REGISTRATION #29296			
		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600								
		ALUMINUM SLIDING GLASS WINDOW (LM)								
		Title		Date		02/28/22				
Series Desc.		ANCHORAGE DETAILS		Drawn By		JENS ROSOWSKI				
Sheet		12 OF 22		DWG No.		PGT0129		Rev. G		
SGD770W										



INSTALLATION DETAILS



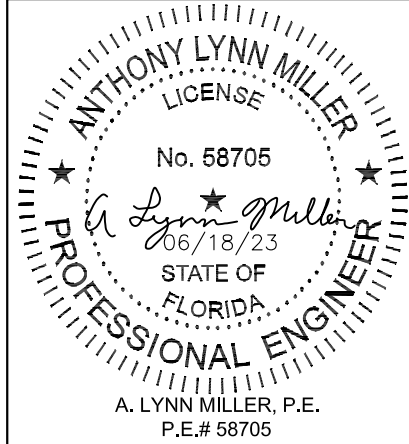
NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
* DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 10 & 11.



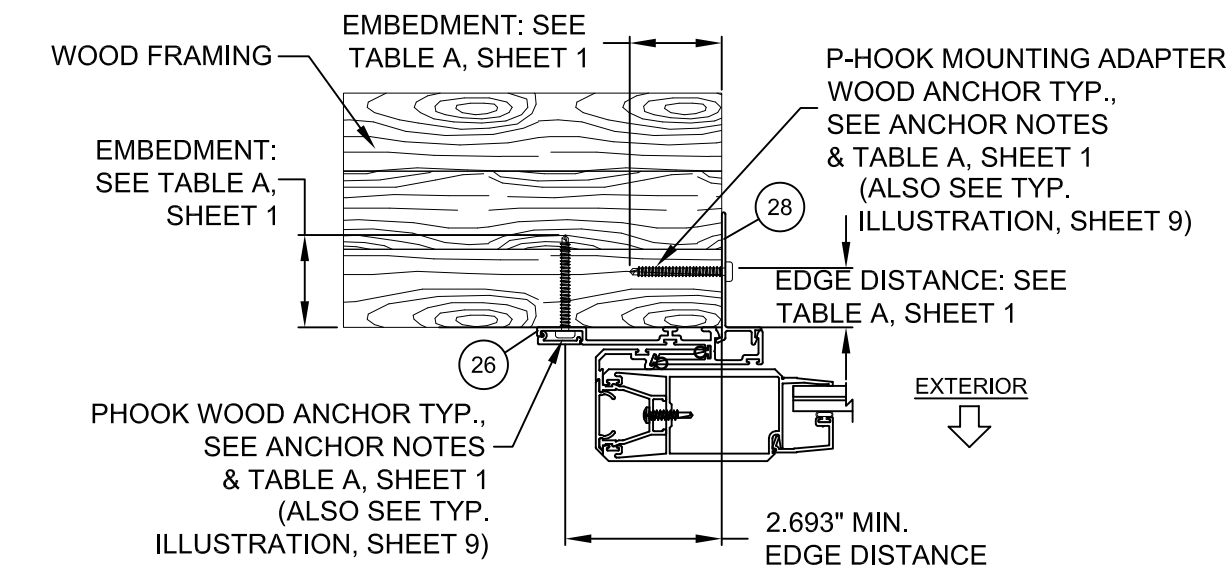
PRODUCT REVISED
As complying with the Florida Building Code
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By: *Manuel Perez*
Miami-Dade Product Control

UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 WINDOWS	REGISTRATION #29296	02/28/22	JENS ROSOWSKI	PGT0129	G
ALUMINUM SLIDING GLASS WINDOW (LM)	ANCHORAGE DETAILS	13 OF 22	SGD770W	Sheet	Title

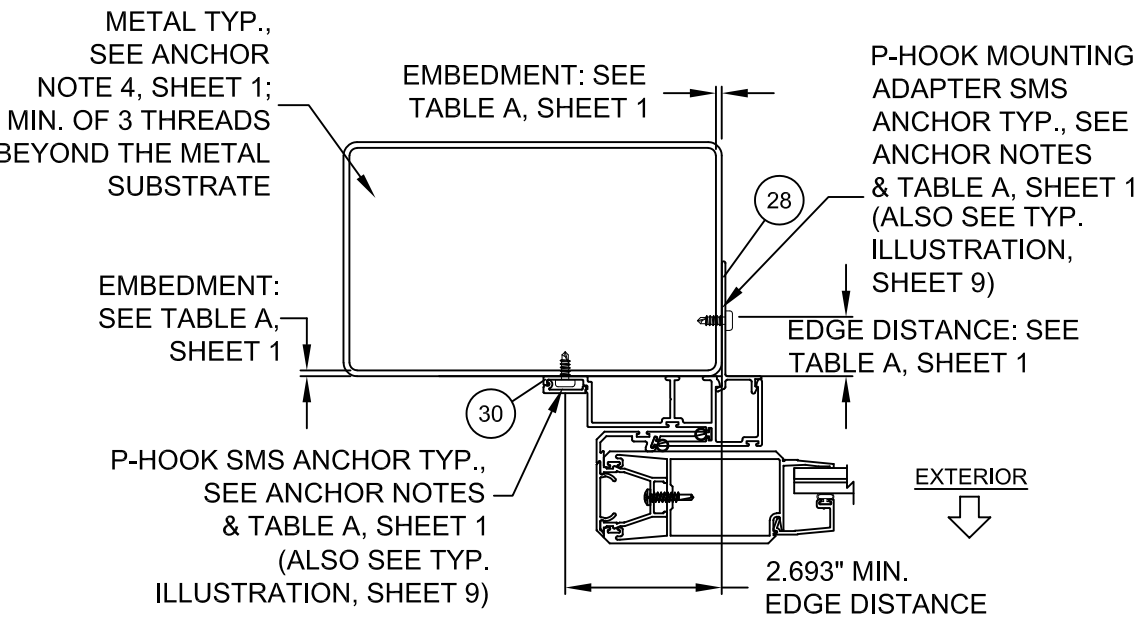


INSTALLATION DETAILS



DET Jw P-HOOK FOR USE WITH FLAT SILL RISERS
PARTS #18, #20, #22 OR #24,
WOOD INSTALLATION
(SEE TABLES 1A, 2A & 3A
FOR WATER RATINGS)

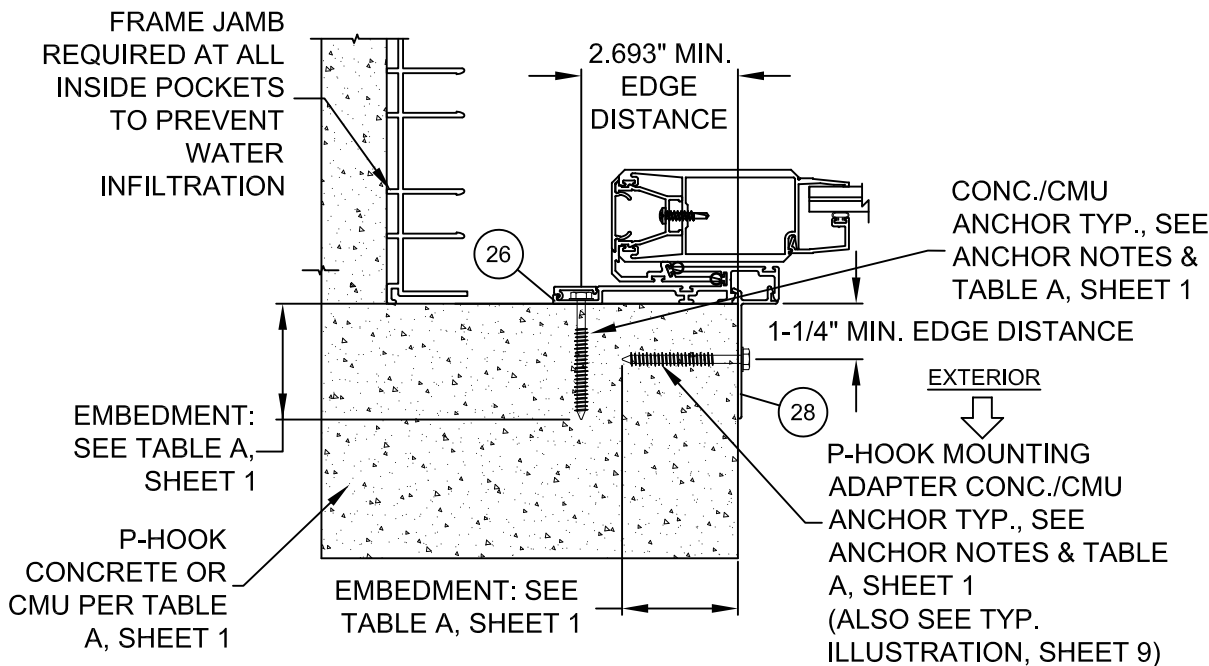
EXTERIOR MOUNT SHOWN,
MAY ALSO BE INSTALLED IN
INTERIOR CONDITION



DET Kw P-HOOK FOR USE WITH BOX SILL RISERS
PARTS #19, #21, #23 OR #25,
METAL INSTALLATION
(SEE TABLES 1A, 2A & 3A
FOR WATER RATINGS)

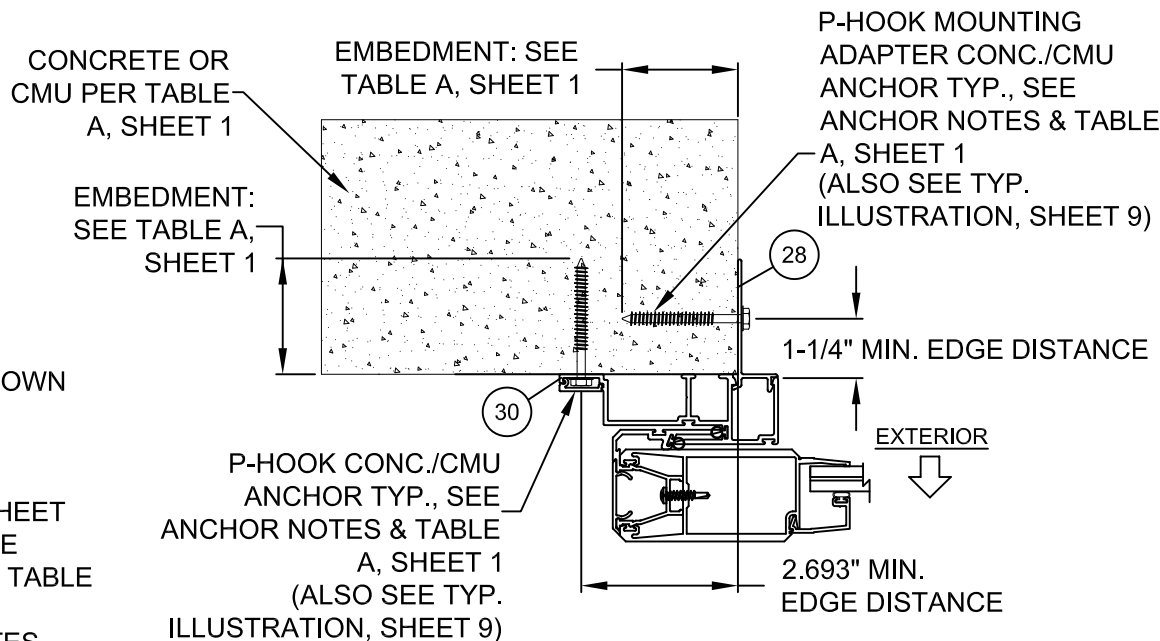
EXTERIOR
MOUNT
ONLY

- NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
 2. FIGURES ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE A, SHEET 1 FOR ALL APPROVED SUBSTRATES.
 3. SEE TABES 1-3, SHEETS 6-8 FOR REQUIRED P-HOOK AND P-HOOK MOUNTING ADAPTER ANCHOR QUANTITIES. ALSO SEE EXAMPLE ON SHEET 9.



DET Jc P-HOOK FOR USE WITH ANY SILL RISER
PARTS #18, #20, #22 OR #24,
CONCRETE/CMU INSTALLATION
(SEE TABLES 1A, 2A & 3A
FOR WATER RATINGS)

INTERIOR MOUNT SHOWN,
MAY ALSO BE INSTALLED IN
EXTERIOR CONDITION



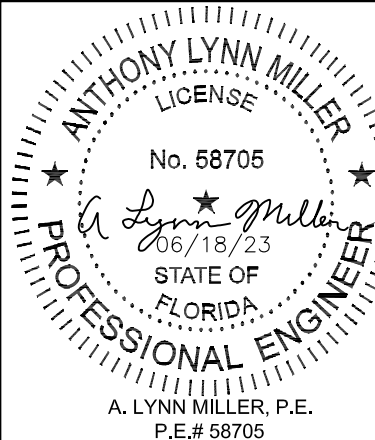
DET Kc P-HOOK FOR USE WITH BOX SILL RISERS
PARTS #19, #21, #23 OR #25,
CONCRETE INSTALLATION
(SEE TABLES 1A, 2A & 3A
FOR WATER RATINGS)

EXTERIOR
MOUNT
ONLY

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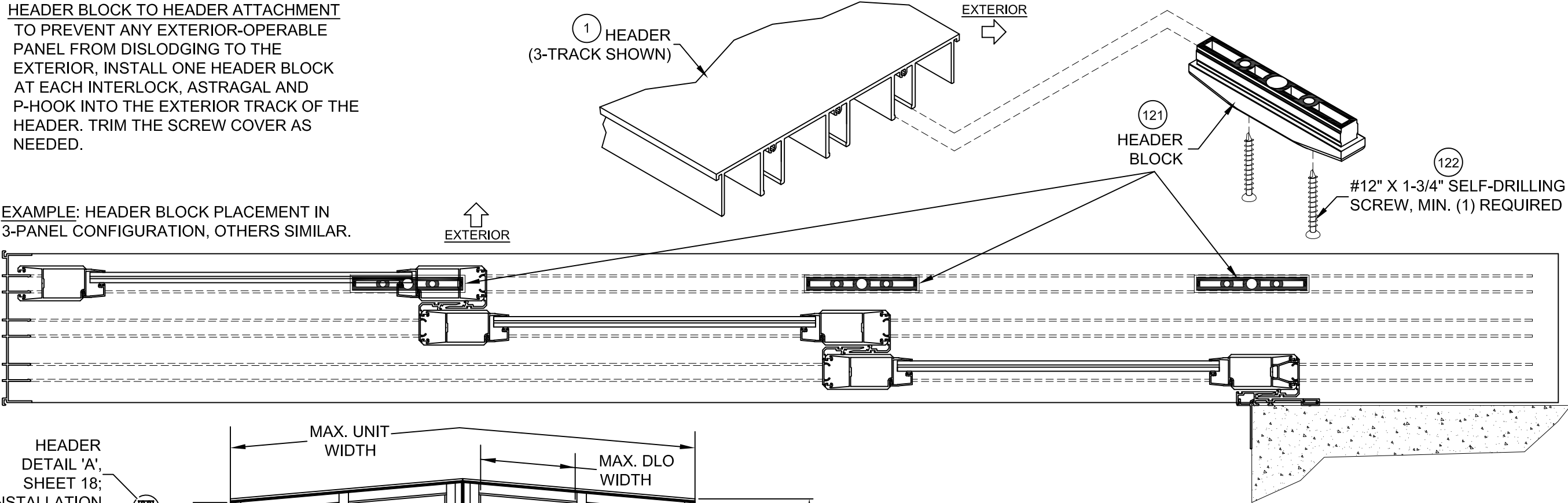
UPDATED TO 2023 FBC,
REFORMATED TITLE
BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 CUSTOM WINDOWS AND ALUMINUM SLIDING GLASS WINDOW (LM)	REGISTRATION #29296	02/28/22	JENS ROSOWSKI	PGT0129	G
PGT Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS WINDOW (LM)	ANCHORAGE DETAILS	14 OF 22	SGD770W	Sheet



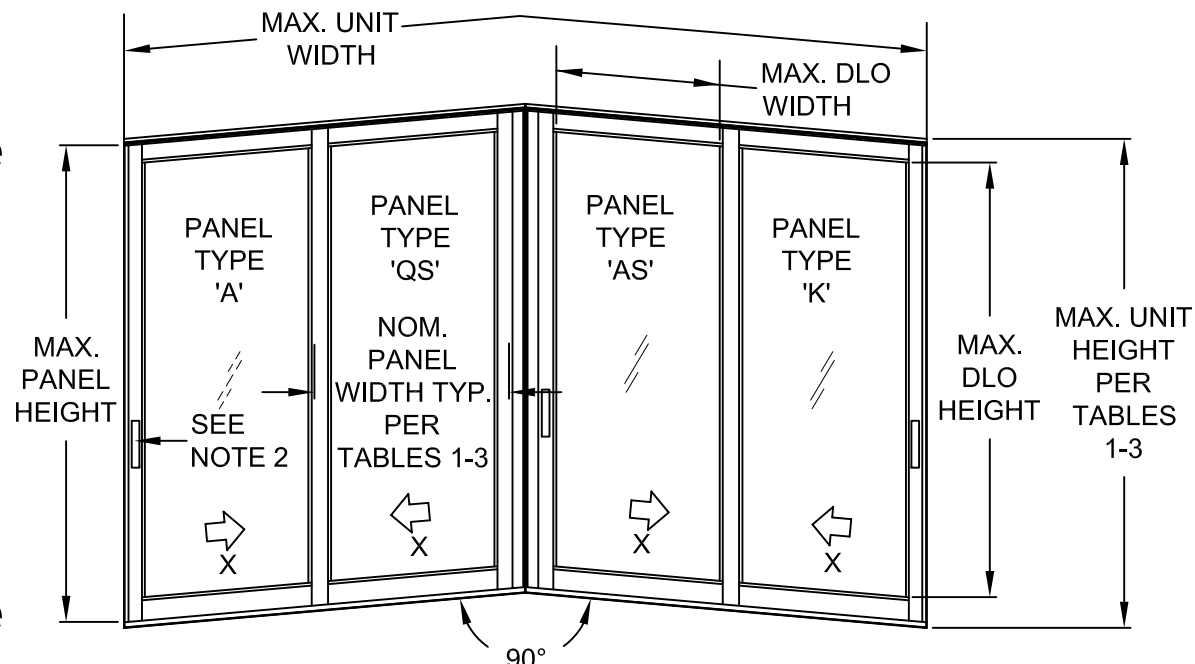
HEADER BLOCK TO HEADER ATTACHMENT
TO PREVENT ANY EXTERIOR-OPERABLE
PANEL FROM DISLODGING TO THE
EXTERIOR, INSTALL ONE HEADER BLOCK
AT EACH INTERLOCK, ASTRAGAL AND
P-HOOK INTO THE EXTERIOR TRACK OF THE
HEADER. TRIM THE SCREW COVER AS
NEEDED.

EXAMPLE: HEADER BLOCK PLACEMENT IN
3-PANEL CONFIGURATION, OTHERS SIMILAR.



HEADER
DETAIL 'A',
SHEET 18;
INSTALLATION
DETAILS
'Aw' & 'Ac',
SHEETS 12
& 13

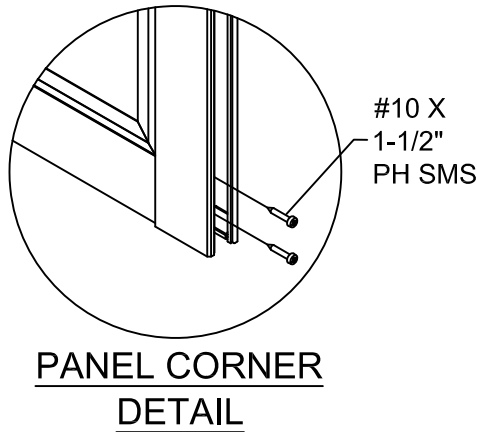
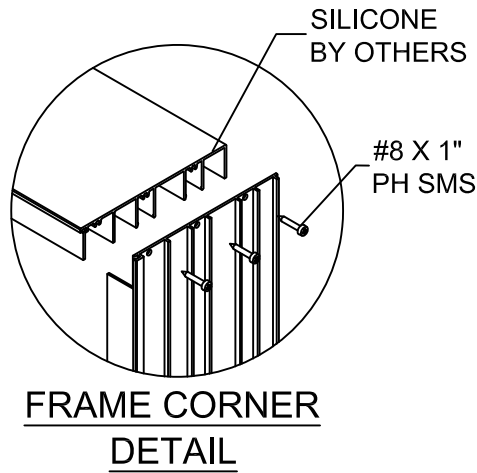
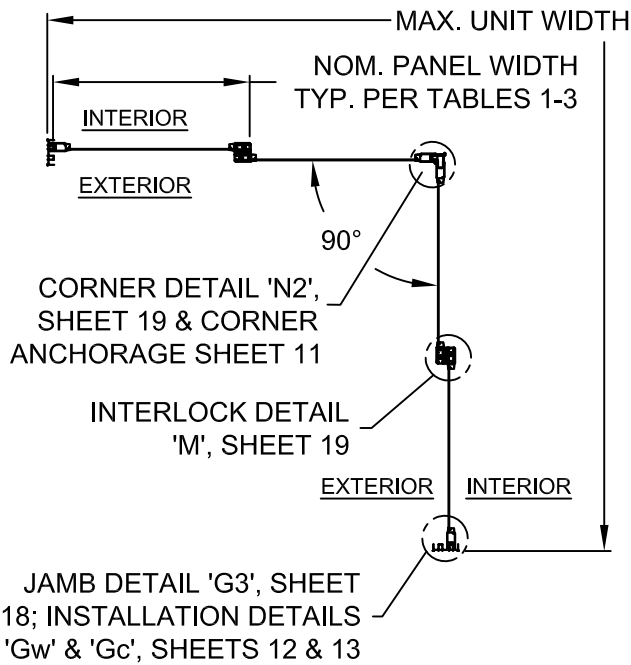
SILL
DETAIL 'D',
SHEET 18;
INSTALLATION
DETAILS
'Dw' & 'Dc',
SHEETS 12
& 13



EXAMPLE: 90° INSIDE CORNER, 4 PANELS - XX/XX

- NOTES:
- 1) SEE SHEET 17 FOR INDIVIDUAL PANEL CONFIGURATIONS AS APPLICABLE. SEE DP/ANCHOR TABLES, SHEETS 6-8 FOR MAX. PANEL HEIGHT AND WIDTH. SEE SHEETS 18 & 19 FOR SECTION DETAILS AND SHEETS 12-14 FOR INSTALLATION DETAILS.
 - 2) (1) LOCK (ITEMS 75 & 107-110) AT EACH LOCKSTILE, LOCKING INTO KEEPER (ITEM 103) AT FRAME JAMB OR ASTRAGAL.
 - 3) PLEASE SEE APPLICABLE ASTRAGAL & INTERLOCK COMBINATIONS PER DP/ANCHOR TABLES.

DLO WIDTH = NOM. PANEL WIDTH - 7"
DLO HEIGHT = WINDOW UNIT HEIGHT - 10.125"
PANEL HEIGHT = WINDOW UNIT HEIGHT - 1.866"



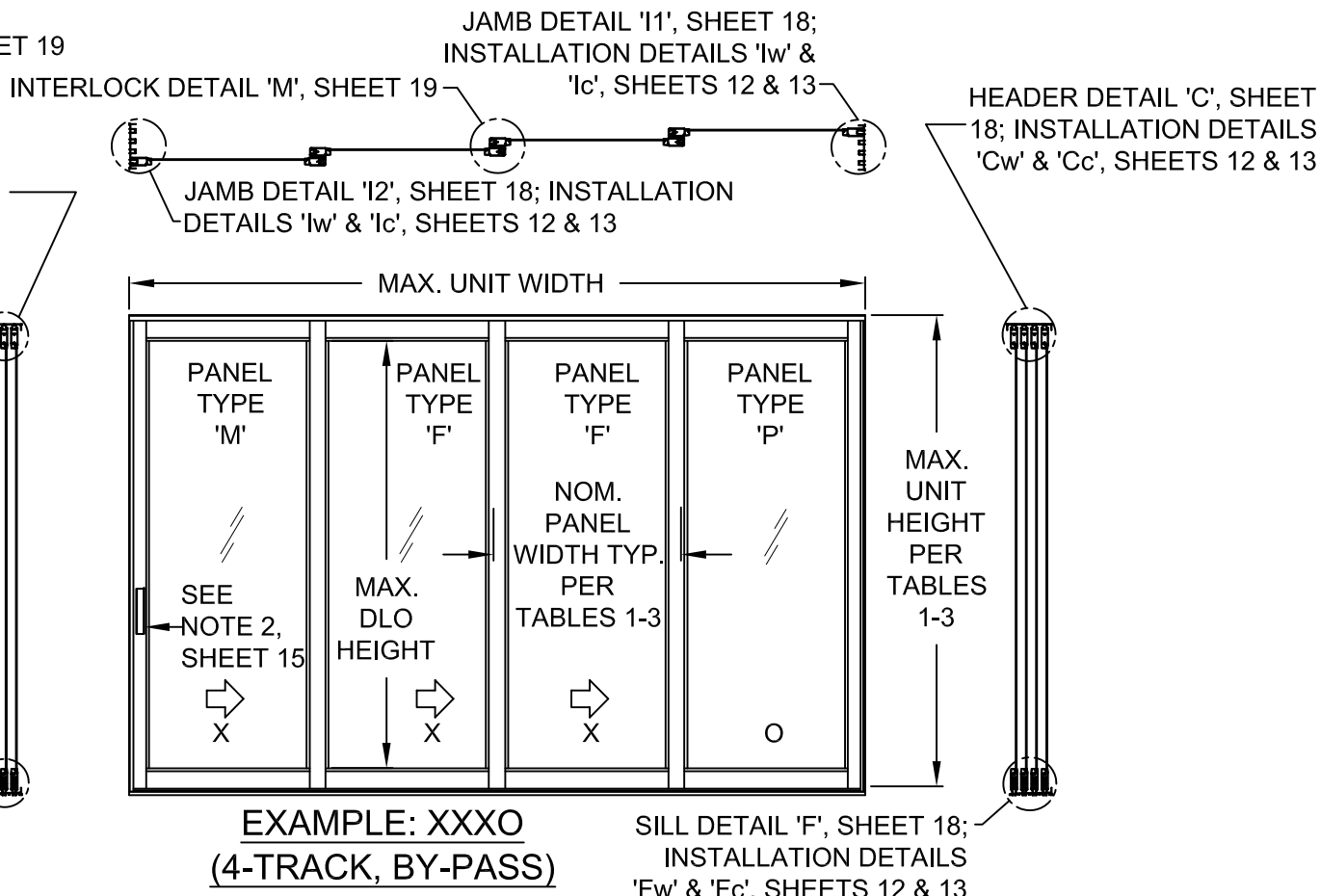
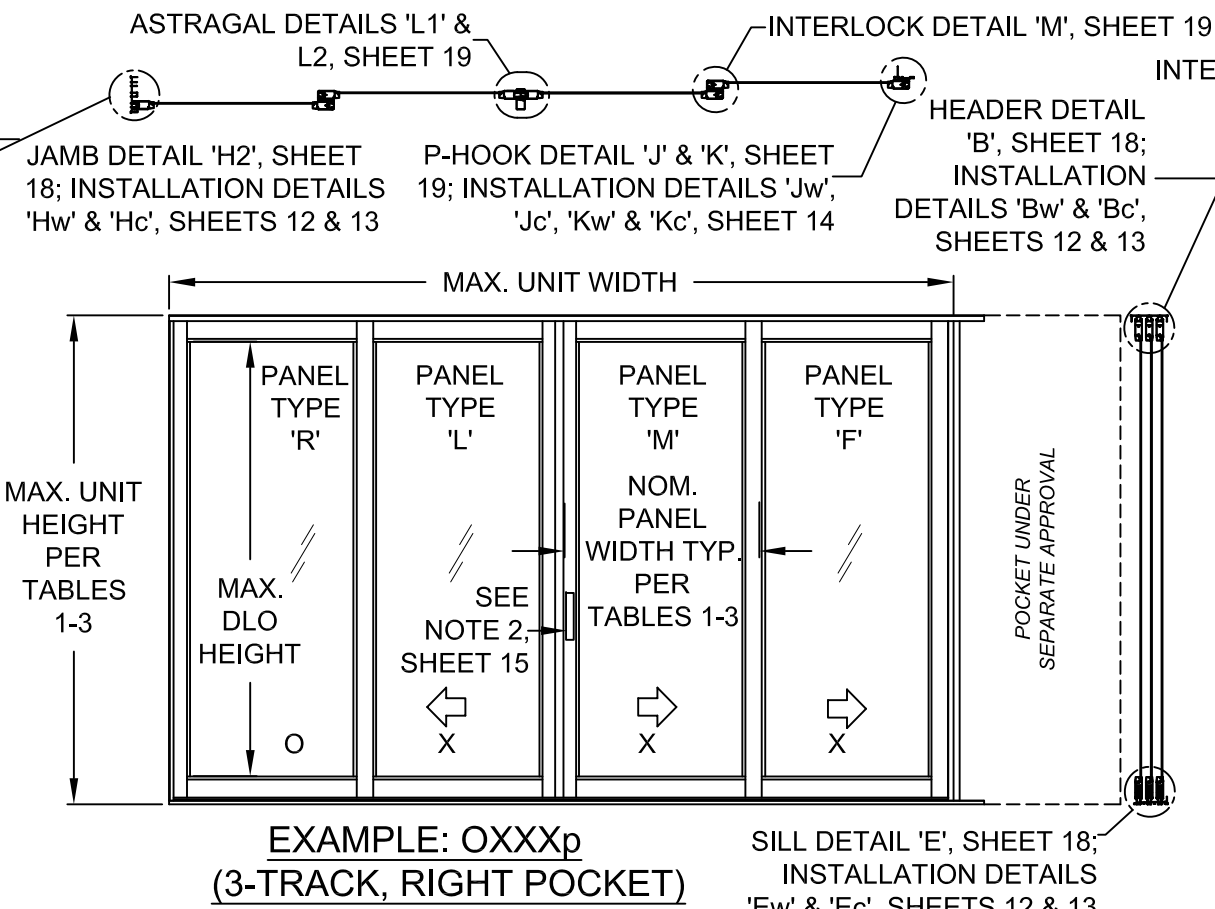
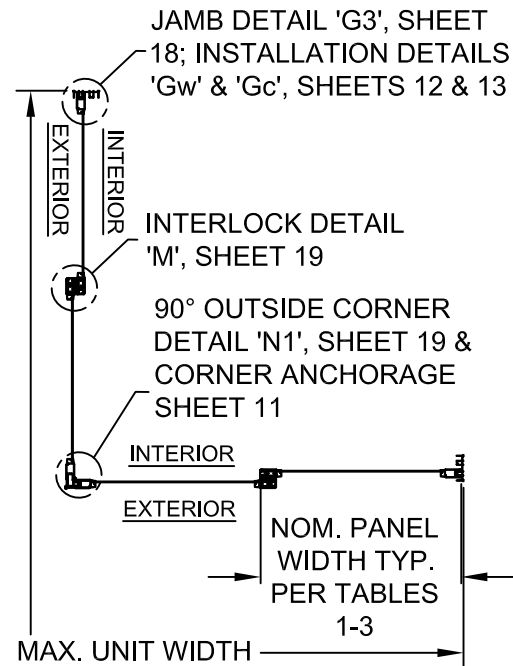
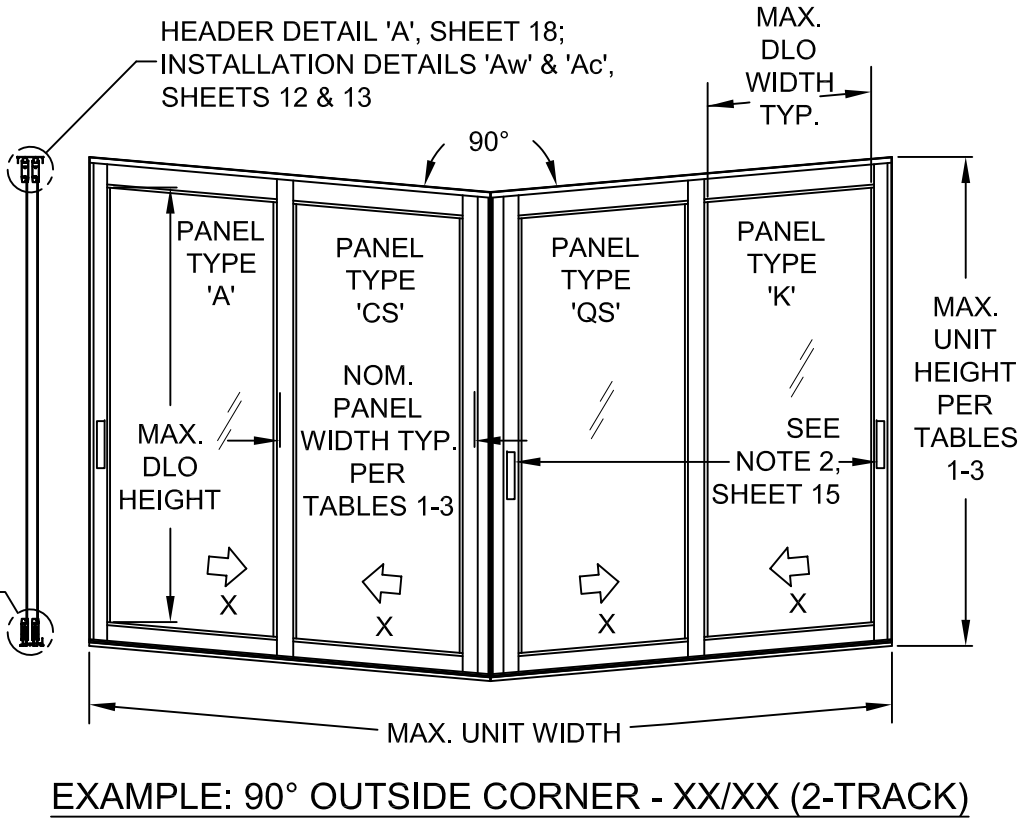
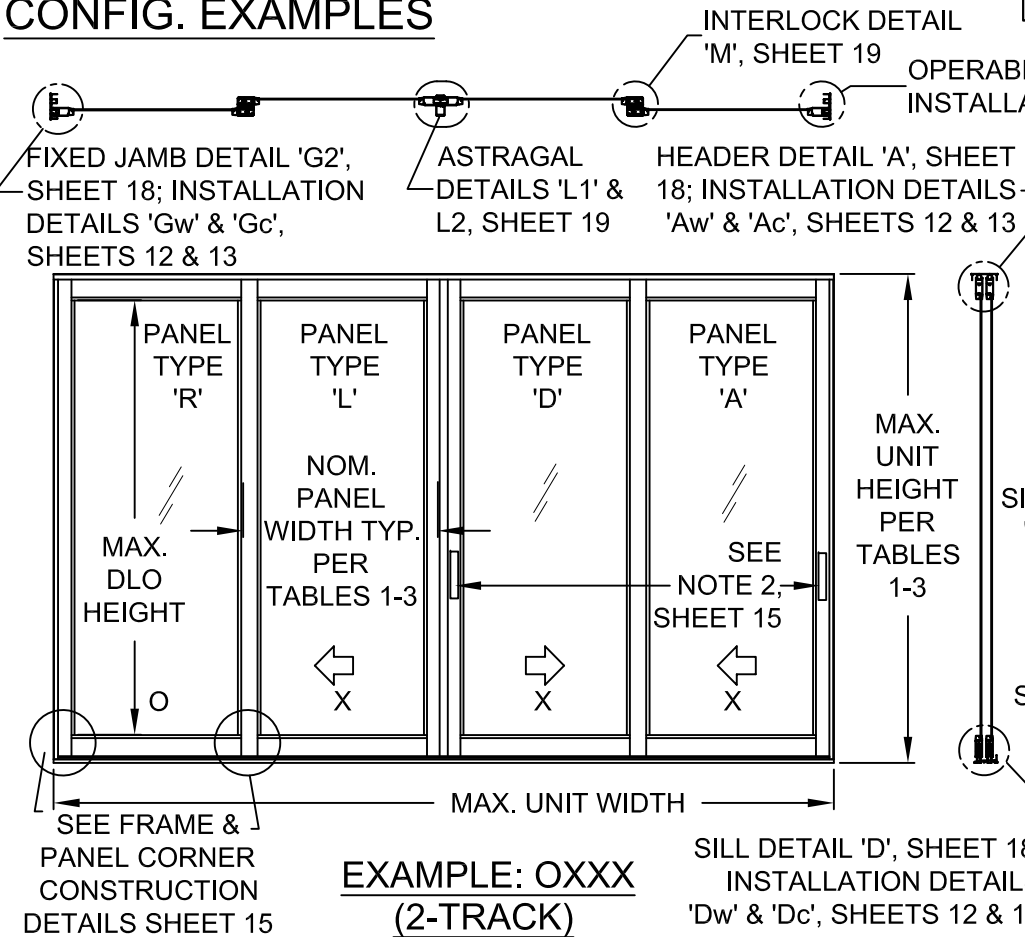
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Miami-Dade Product Control

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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 CUSTOM WINDOWS and ALUMINUM SLIDING GLASS WINDOW (LM)	REGISTRATION #29296	02/28/22	JENS ROSOWSKI	PGT0129	G
PGT Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS WINDOW (LM)	EXAMPLE ELAVATION	SGD770W	15 OF 22	Sheet
ANTHONY LYNN MILLER LICENSE No. 58705 06/18/23 STATE OF FLORIDA PROFESSIONAL ENGINEER A. LYNN MILLER, P.E. P.E.# 58705	CUSTOM WINDOWS and ALUMINUM SLIDING GLASS WINDOW (LM)	EXAMPLE ELAVATION	SGD770W	15 OF 22	Sheet

CONFIG. EXAMPLES

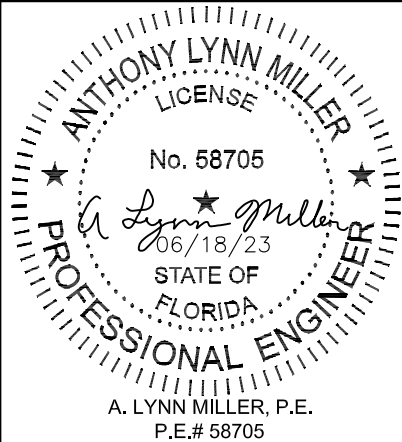
FOR ALL DETAILS ON THIS SHEET, SEE NOTES ON SHEET 15



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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	CUSTOM WINDOWS and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	02/28/22	Rev.	G
			By	JENS ROSOWSKI	PGT0129	
			No.	16 OF 22	SGD770W	
			Desc.	ALUMINUM SLIDING GLASS WINDOW (LM)	EXAMPLE ELEVATION	



PANEL TYPES		PANEL'S RIGHT STILE TYPE														
		SINGLE INTERLOCK OUT	SINGLE INTERLOCK IN	FIXED STILE	LOCKSTILE W/ HANDLE	ASTRAGAL BOX OUT	ASTRAGAL BOX IN	ASTRAGAL BOX OUT W/ HANDLE	ASTRAGAL BOX IN W/ HANDLE	INT CORNER 90 LOCKSTILE W/ HANDLE #120	EXT CORNER 90 LOCKSTILE W/ HANDLE #119	EXT CORNER 90 RECEIVER W/ HANDLE #61 #118	INT CORNER 90 RECEIVER W/ HANDLE #61 #118	EXT CORNER 90 RECEIVER #118 #61	EXT CORNER 135 RECEIVER W/ HANDLE #31 #61	INT CORNER 135 RECEIVER W/ HANDLE #31 #61
PANEL'S LEFT STILE TYPE	SINGLE INTERLOCK OUT		F	PP	K			L (BOX OUT)		TR	TQ	TC	TA		TV	TW
	SINGLE INTERLOCK IN	B	E	P	A			C (BOX OUT)	C (BOX IN)	IC	SQ	SC	SA		SV	SW
	FIXED STILE	RR	R			S (BOX OUT)	S (BOX IN)						FD	FC	FV	FW
	LOCKSTILE W/ HANDLE	D	M			J (BOX OUT)	J (BOX IN)									
	ASTRAGAL BOX OUT W/ HANDLE	LR (BOX OUT)														
	ASTRAGAL BOX IN W/ HANDLE		N (BOX IN)													
	ASTRAGAL BOX OUT			T (BOX OUT)	U (BOX OUT)											
	ASTRAGAL BOX IN			T (BOX IN)	U (BOX IN)											
	INT CORNER 90 LOCKSTILE W/ HANDLE #120	RT	CI													
	EXT CORNER 90 LOCKSTILE W/ HANDLE #119	QT	QS													
	EXT CORNER #61 90 RECEIVER W/ HANDLE #118	CT	CS													
	INT CORNER #61 90 RECEIVER W/ HANDLE #118	AT	AS	DF												
	EXT CORNER #118 90 RECEIVER #61			CF												
	EXT CORNER #31 135 RECEIVER W/ HANDLE #61	VT	VS	VF												
	INT CORNER #31 135 RECEIVER W/ HANDLE #61	WT	WS	WF												

PANEL NOTES:

- SEE DP TABLES 1-3, SHEETS 6-8 FOR PANEL SIZES & DESIGN PRESSURE.
- PANEL TYPES NOT SHOWN OR CROSSED OFF ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
- 90° ASTRAGALS TO USE HEAVY-DUTY STILES (#61), CORNER RECEIVER (#118) AND EITHER EXTERIOR (#119) OR INTERIOR (#120) CORNER ASTRAGALS.
- 135° ASTRAGALS TO USE HEAVY-DUTY STILES (#61) AND CORNER ADDON (#31).

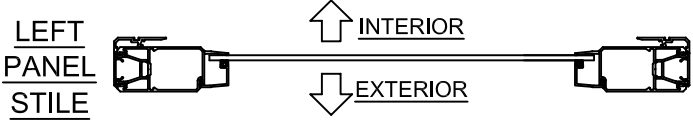
SILL RISERS OPTIONS

18* SILL RISER, FLAT * FLUSH, 1-1/2"

20 SILL RISER, FLAT LOW, 2-1/2"

22 SILL RISER, FLAT MEDIUM, 3-1/4"

24 SILL RISER, FLAT HIGH, 4"

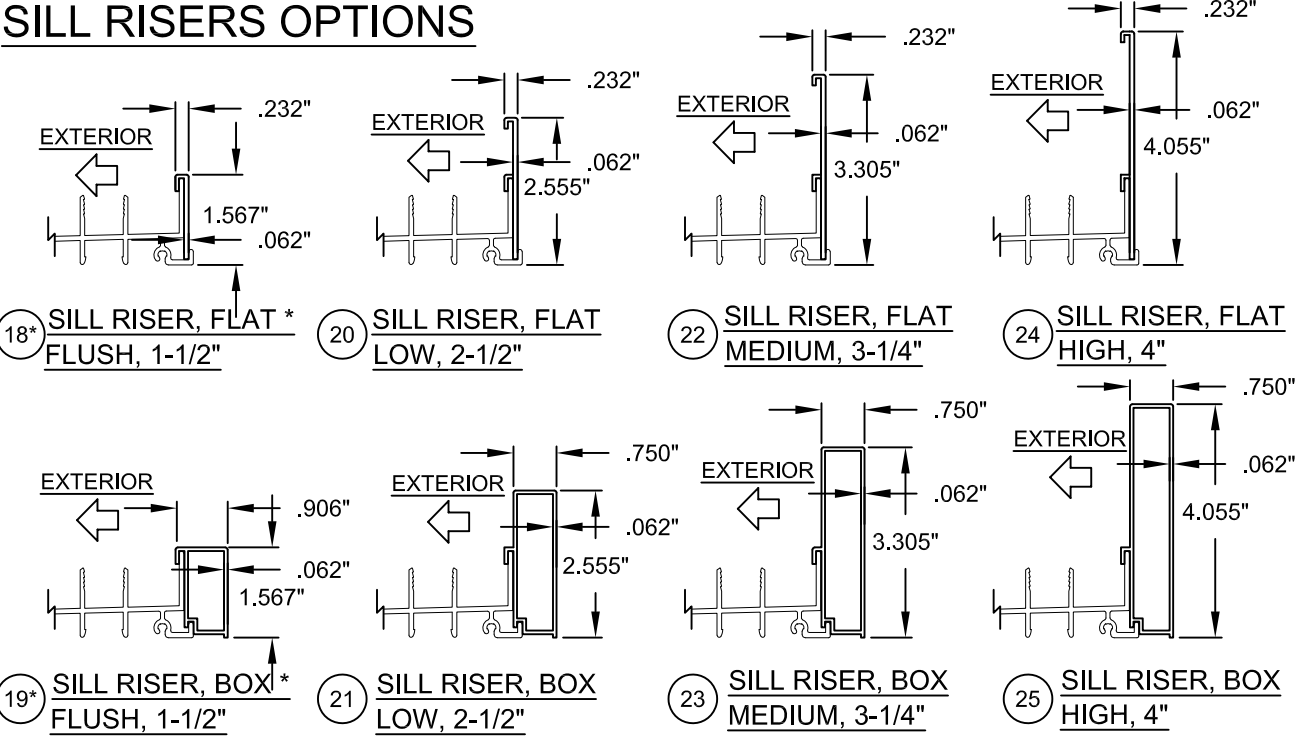


PANEL "E" SHOWN. SEE TABLE FOR OTHER PANEL TYPES AND APPLICABLE STILE/ASTRAGAL REQUIREMENTS.

PANEL NOTES:

1. SEE DP TABLES 1-3, SHEETS 6-8 FOR PANEL SIZES & DESIGN PRESSURE.
2. PANEL TYPES NOT SHOWN OR CROSSED OFF ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
3. 90° ASTRAGALS TO USE HEAVY-DUTY STILES (#61), CORNER RECEIVER (#118) AND EITHER EXTERIOR (#119) OR INTERIOR (#120) CORNER ASTRAGALS.
4. 135° ASTRAGALS TO USE HEAVY-DUTY STILES (#61) AND CORNER ADDON (#31).

SILL RISERS OPTIONS

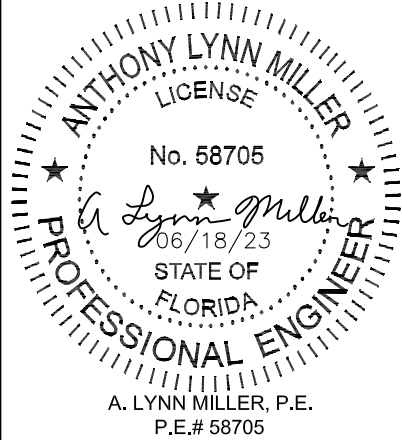


* NOT VALID FOR WATER INFILTRATION RESISTANCE REQUIREMENTS, SEE SHEETS 6-8

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0710.08**
Expiration Date: **02/12/2025**
By: *Manuel Perez*
Miami-Dade Product Control

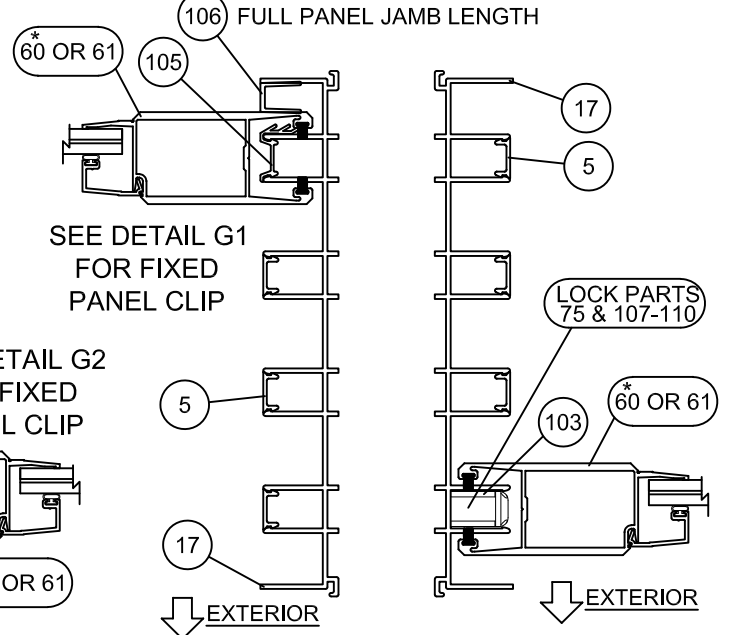
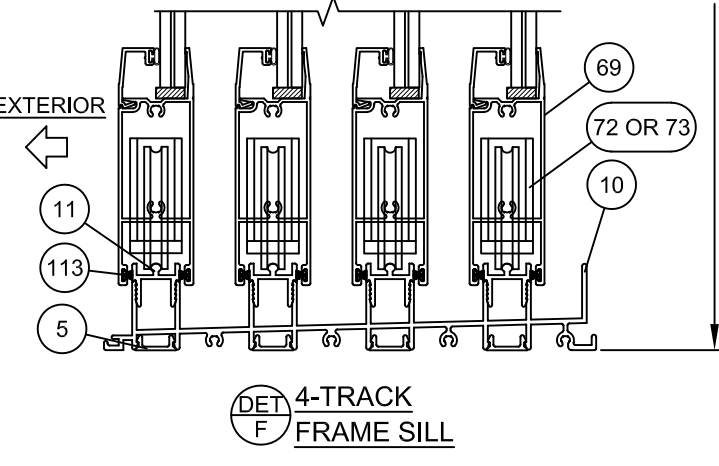
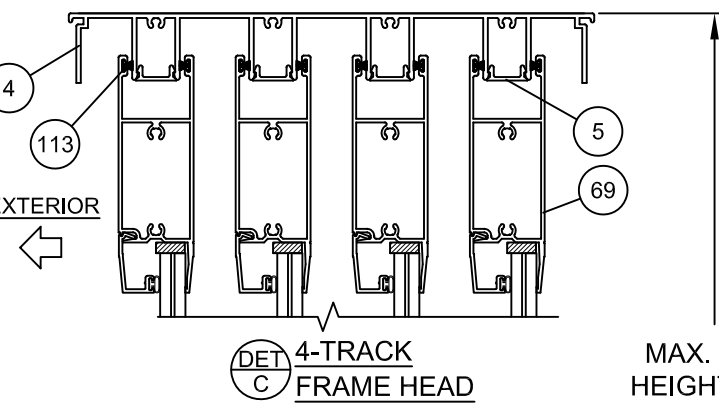
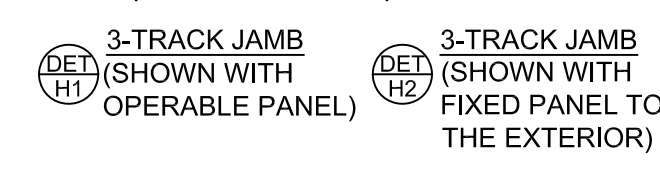
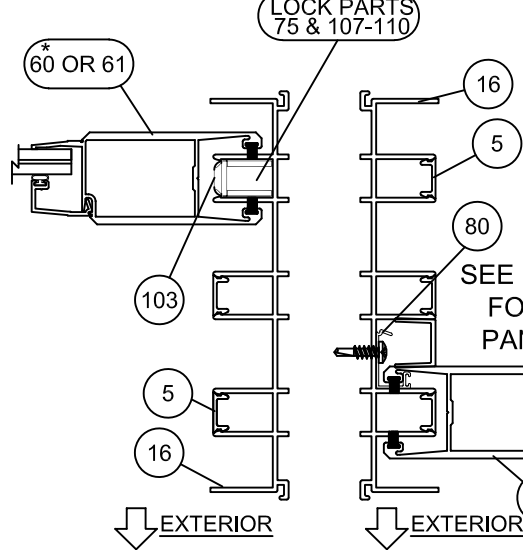
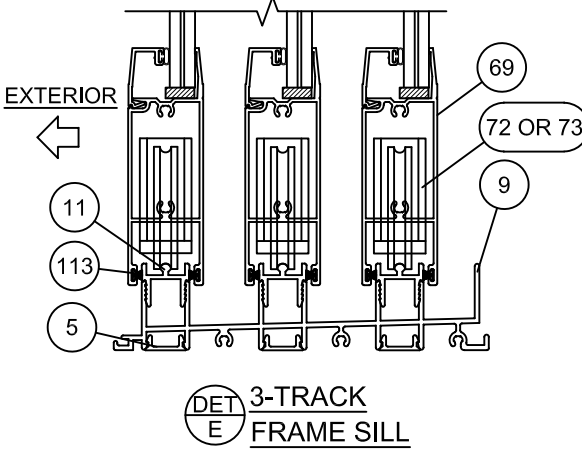
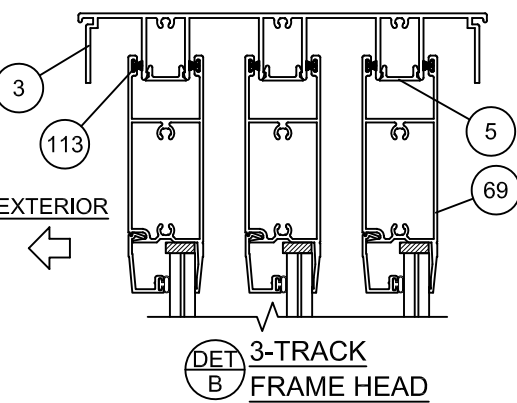
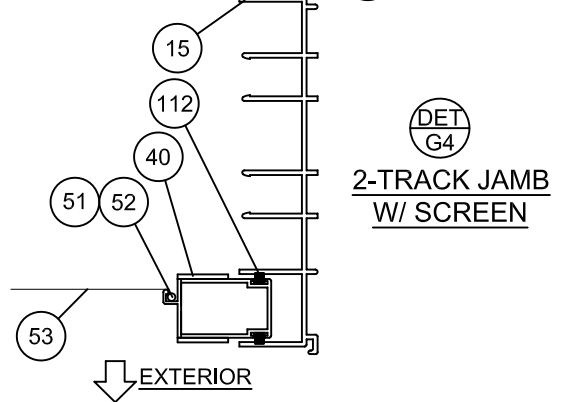
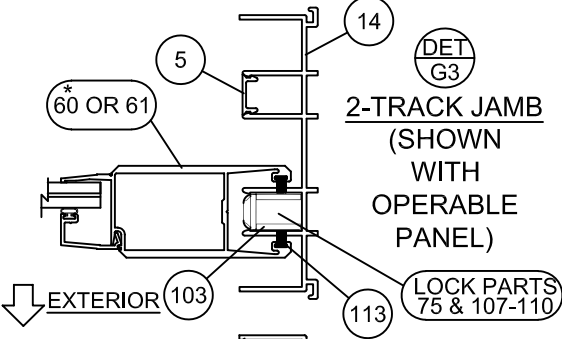
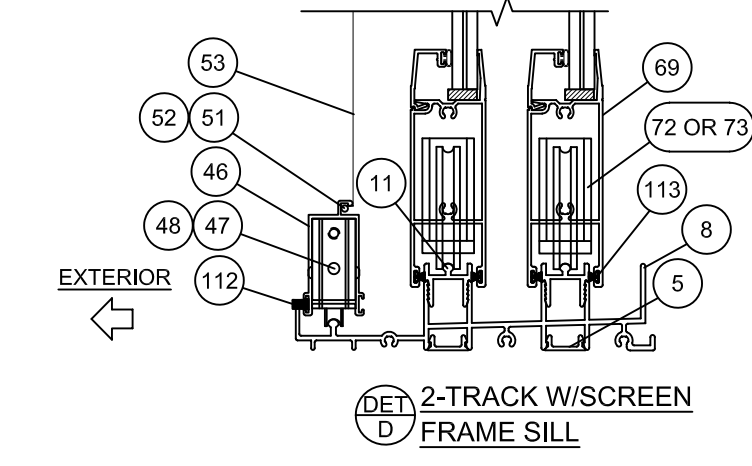
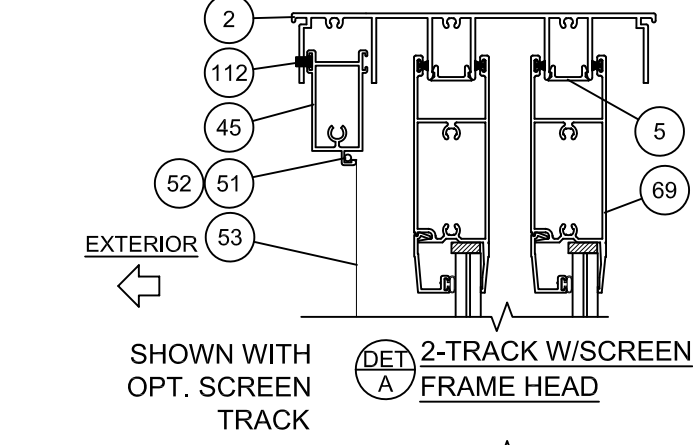
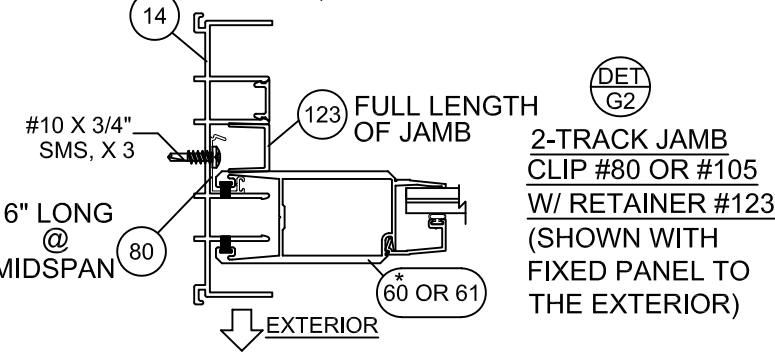
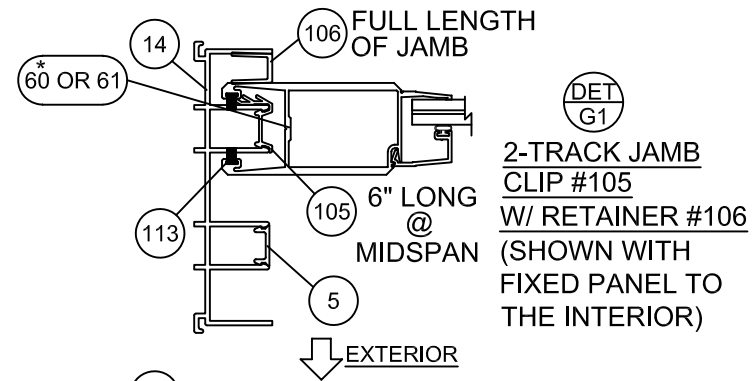
UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 CUSTOM WINDOWS AND ALUMINUM SLIDING GLASS WINDOW (LM)	REGISTRATION #29296	02/28/22	JENS ROSOWSKI	PGT0129	G
PANEL TYPES	SGD770W	17 OF 22	JENS ROSOWSKI	PGT0129	G



ASSEMBLY DETAILS


(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)

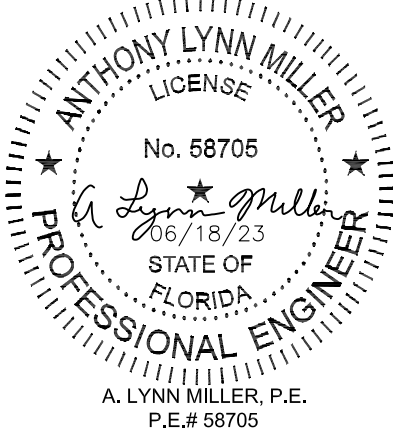


* ITEM 61 SHOWN, ITEM 60 ALSO APPLICABLE, SEE TABLES 1-3, SHEETS 6-8 FOR DP (PSF) ASSOCIATED WITH STILE.

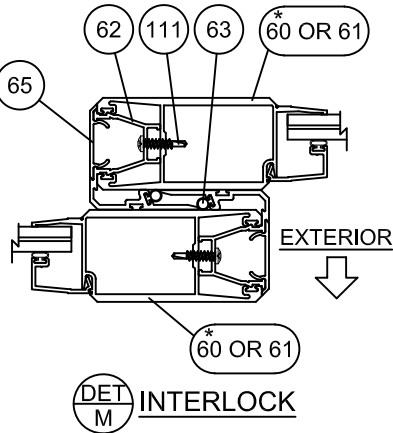
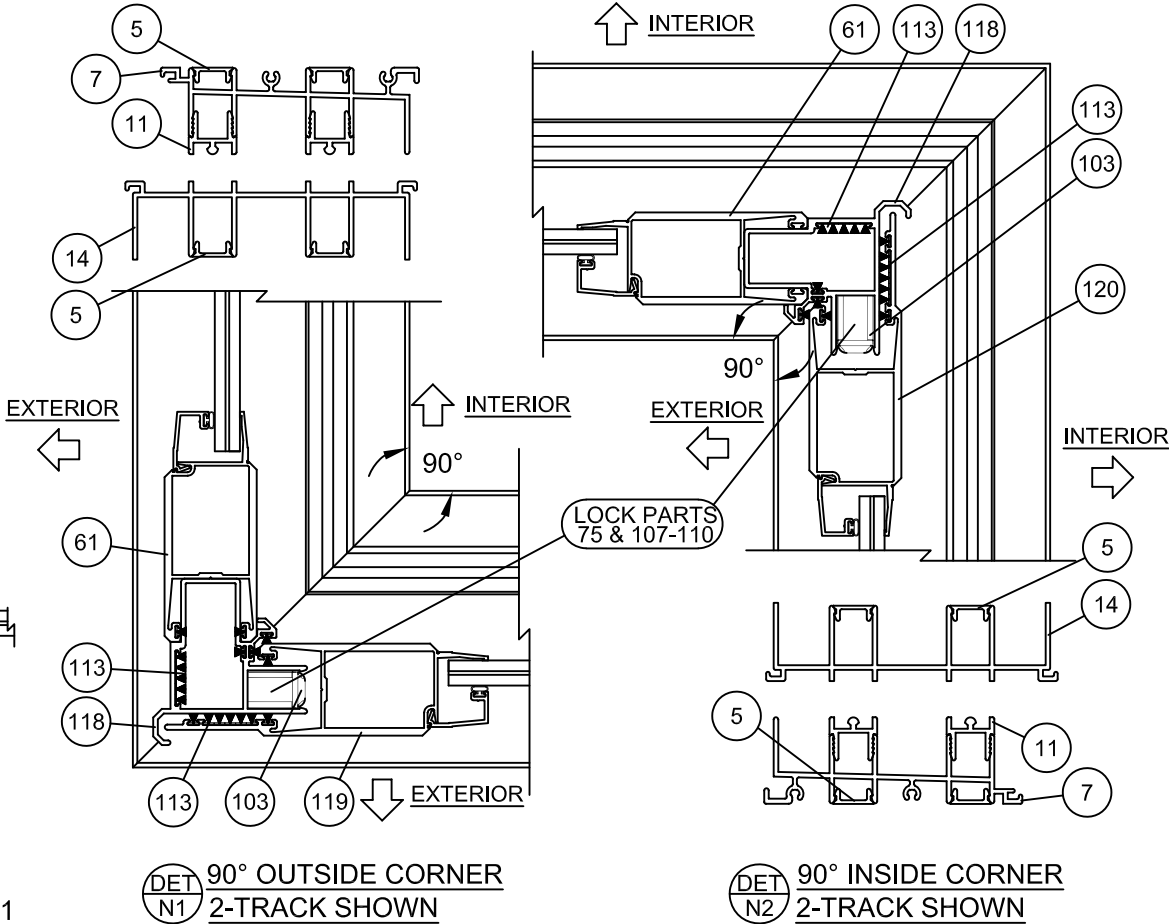
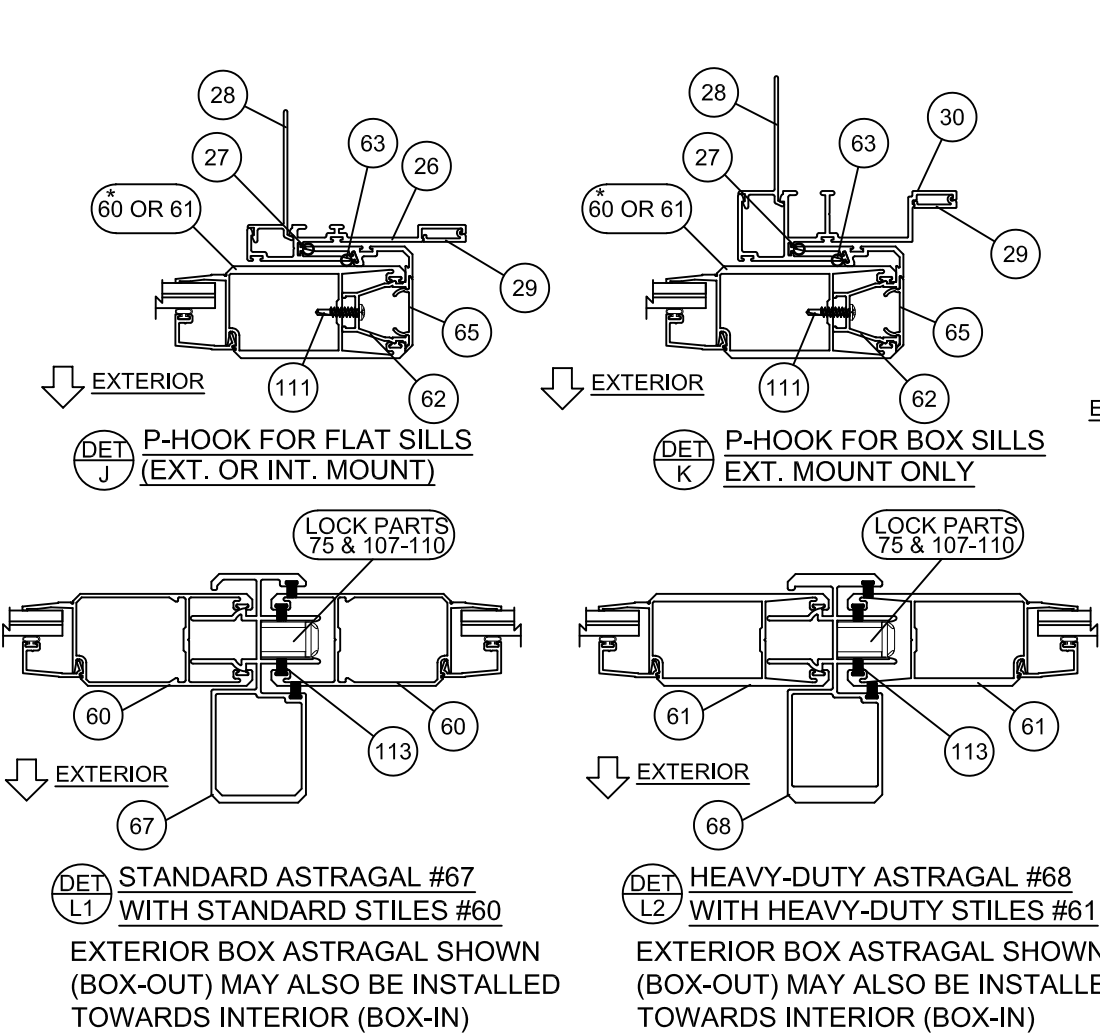
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0710.08**
Expiration Date: **02/12/2025**
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Miami-Dade Product Control

UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

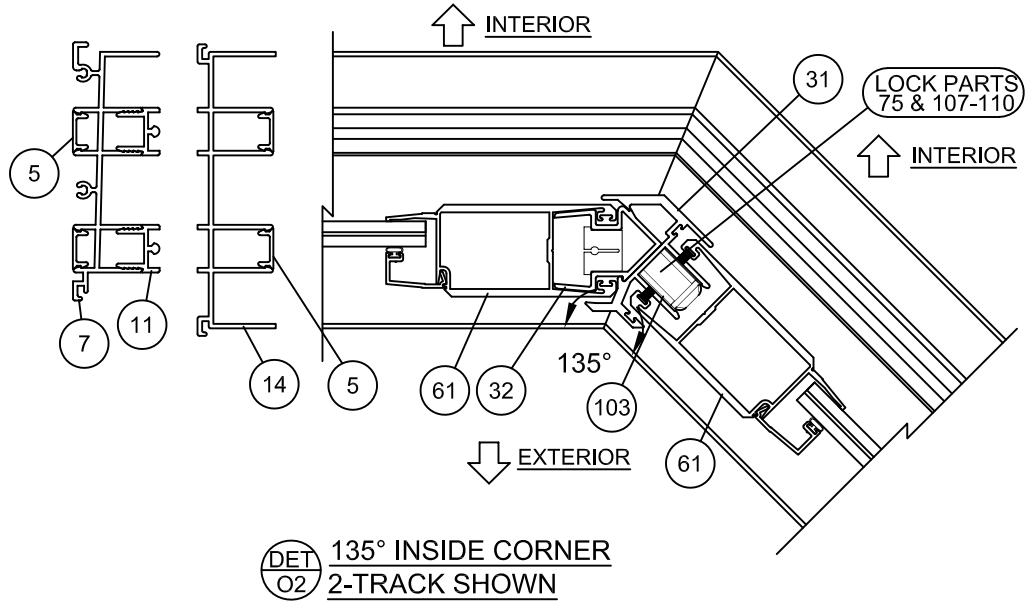
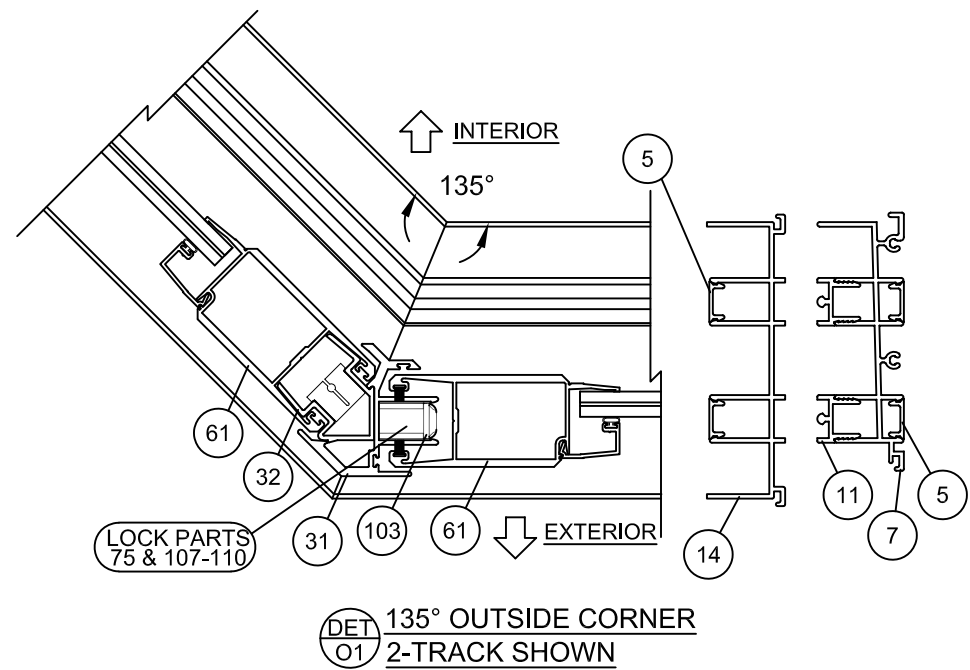
				PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600					
Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				WINDOWs		REGISTRATION #29296		02/28/22	
								Date	
ALUMINUM SLIDING GLASS WINDOW (LM)				By Brown		JENS ROSOWSKI		Rev.	
								G	
VERTICAL SECTION DETAILS				DWG No.		18 OF 22		PGT0129	
Desc. Title		Sheet		SGD770W		Series		18 OF 22	



ASSEMBLY DETAILS
(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)



* ITEM #61 (HEAVY-DUTY STILE) SHOWN, ITEM #60 (STANDARD STILE) ALSO APPLICABLE, SEE TABLES 1-3, SHEETS 6-8 FOR DP (PSF) ASSOCIATED WITH STILES.



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Miami-Dade Product Control

UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	02/28/22	JENS ROSOWSKI	PGT0129	G	
		ALUMINUM SLIDING GLASS WINDOW (LM)	By					
		HORIZONTAL SECTION DETAILS	DWG	No.				19 OF 22
		SGD770W	Sheet					

PGT
Custom Windows and
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

ALUMINUM SLIDING GLASS WINDOW (LM)

HORIZONTAL SECTION DETAILS

SGD770W

ANTHONY LYNN MILLER
LICENSE
No. 58705
06/18/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 5:

Item	PGT Dwg. #	PGT #	Description
1	17306	617306	2-TRACK HEAD
2	17303	617303	2-TRACK HEAD WITH SCREEN RAIL
3	17309	617309	3-TRACK HEAD
4	17312	617312	4-TRACK HEAD
5	17314	617314	FRAME SCREW COVER
6	17317	617317	FRAME HEAD/JAMB ADD-ON
7	17304	617304	2-TRACK SILL
8	17301	617301	2-TRACK SILL WITH SCREEN RAIL
9	17307	617307	3-TRACK SILL
10	17310	617310	4-TRACK SILL
11	17313	617313	FRAME SILL TRACK INSERT
12	17315	617315	FRAME SILL SCREEN ADD-ON (SEE NOTE 3)
13	17316	617316	FRAME SILL SCREEN END ADD-ON (SEE NOTE 3)
14	17305	617305	2-TRACK JAMB
15	17302	617302	2-TRACK JAMB WITH SCREEN RAIL
16	17308	617308	3-TRACK JAMB
17	17311	617311	4-TRACK JAMB
18	17322	617322	SILL RISER - FLAT, FLUSH, 1-1/2"
19	17319	617319	SILL RISER - BOX, FLUSH, 1-1/2"
20	17321	617321	SILL RISER - FLAT, LOW, 2-1/2"
21	17318	617318	SILL RISER - BOX, LOW, 2-1/2"
22	17355	617355	SILL RISER - FLAT, MEDIUM, 3-1/4"
23	17354	617354	SILL RISER - BOX, MEDIUM, 3-1/4"
24	17323	617323	SILL RISER - FLAT, HIGH, 4"
25	17320	617320	SILL RISER - BOX, HIGH, 4"
26	17333	617333	POCKET P-HOOK
27	7070	67070	NEOPRENE BULB WSTP FOR P-HOOK
28	17334	617334	POCKET P-HOOK MOUNT
29	17335	617335	P-HOOK COVER
30	17348	617348	POCKET P-HOOK FOR BOX RISER
31	17378	617378	135 CORNER
32	17376	617376	135 FIXED MOUNT
ITEMS 40-53 ARE SCREEN PARTS:			
40	4319	612258	SCREEN SIDE RAIL - LOCKSTILE
41		7LOCKWGSK	SCREEN LOCKSET
42		41818	SCREEN KEEPER SPACER SET
43	8152	68152	SCREEN INTERLOCK ADAPTER
44	4428	64428	SCREEN DOUBLE INTERLOCK
45	4317	612256	SCREEN TOP RAIL
46	4318	612257	SCREEN BOTTOM RAIL

TABLE 5:

Material	Min. F _y	Min. F _u
#12 Steel Screw	92 ksi	120 ksi
#12 18-8 Screw	60 ksi	95 ksi
#12 410 Screw	90 ksi	110 ksi
1/4" DeWalt/Elco Aggre-Gator®	57 ksi	96 ksi
1/4" Elco UltraCon®	155 ksi	177 ksi
1/4" DeWalt UltraCon+®	148 ksi	164 ksi
1/4" 410 SS DeWalt/Elco CreteFlex®	127.4 ksi	189.7 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

Item	PGT Dwg. #	PGT #	Description
47	668	7SRAZ	STANDARD ROLLER
48	668	7SRAX	STANDARD ROLLER - ST. STL.
49	4344	64344	SCREEN ASTRAGAL
50	17349	617349	OXO SCREEN ASTRAGAL ADAPTER
51	1692	61692	SCREEN SPLINE - .165"
52	1694	61694	SCREEN SPLINE - .150"
53		61816C20	SCREEN CLOTH
54	1725		1/2" X 4" X 1/16" SET. BLOCK, NEOPRENE 85 +/-5
55	1726		1" X 4" X 1/16" SET. BLOCK, NEOPRENE 85 +/-5
60	17325	617325	PANEL STILE
61	17326	617326	PANEL STILE (HEAVY DUTY)
62	17327	617327	INTERLOCK ADAPTOR
63	1225	6TP248	VINYL BULB WSTP. - THIN (INSIDE INTERLOCK)
64	1729	71729	SILL END WEATHERSTRIP PAD
65	17328	617328	INTERLOCK SCREW COVER
67	17329	617329	ASTRAGAL
68	17339	617339	HEAVY DUTY ASTRAGAL
69	17324	617324	TOP & BOTTOM RAIL
70	17350	417350	WEATHERSTRIP EXTENSION (INJECTION MOLDED)
71	1695	71695	1-1/2" X 1" X 3/4" HIGH FIN SEAL DUST PLUGS
72	8153	78153X	TANDEM ST. STL. ROLLER ASSY.
73	8153	78153N	TANDEM NYLON ROLLER ASSY.
74		SILICONE	DOW-791, 899, 983, 995 OR GE-7700
75	8185	78185X	GEMINI MORTICE 3-PLY DUAL LOCK W/LONG TRIM PLATE
76		71032X1FPFX	#10-32 X 1" FL. SS SCREW W/ TYPE "F" TIP
77		7103239	10-32 STEEL ZINC U-NUT
79	17357	617357	1" IG BEAD
80	17359	617359	7/16" BEAD / FIXED PANEL CLIP
81	17360	617360	9/16" BEAD
82	1224	6TP247K	VINYL BULB WEATHERSTRIP
83	61745	1745	LOWE INC, 1/2" X 1/16" SGL. SIDE ADH. TAPE, POLYETH.
100	8052	48052	ROLLER ADJ. HOLE PLUG
101		72087	JAMB BUMPER
102	1696	71696	DUST PLUG
103	8186	78186X	1" KEEPER
104	653	7SDKEEP	SCREEN LOCK KEEPER
105	17344	617344	FIXED PANEL CLIP - 6" LONG
106	17352	617352	FIXED PANEL RETAINER - 9/16"
107	1739	71739	HANDLE KIT - INTERIOR RAISED WITH THUMB TURN
108	1740	71740	HANDLE KIT - RAISED EXTERIOR HANDLE
109	1731	78162SN	HANDLE KIT - RECESSED INTERIOR WITH THUMB TURN
110	1732	78178	HANDLE KIT - RECESSED EXTERIOR PULL
111		710X34PPSDAX	#10 X 3/4" PH. PN. TEK - S.S.
112	1235	67S16	WSTP, .270 X .170 - FIN SEAL
113	1712	64066	.187" X .230" FINSEAL
114		710X115PPX	#10 X 1-1/2"
115		710XPPT	#10 X 1"
116		720X1X	#14-20 X 1" S.S.
117		720X112X	#14-20 X 1-1/2" S.S.
118	17336	617336	90 DEGREE CORNER RECEIVER
119	17337	617337	90 DEGREE OUTSIDE CORNER ASTRAGAL
120	17338	6117338	90 DEGREE INSIDE CORNER ASTRAGAL
123	17352	617352	FIXED PANEL RETAINER, 7/8"

NOTES:
1) ALL ALUMINUM = 6063-T6

2) ITEMS # 33-39, 56-59, 66, 78, 84-99, 121 & 122 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

3) USE OF #12 OR #13 REQUIRES MIN. #10 SMS OR 3/16" MASONRY ANCHORS @ 24" MAX. O.C.

PRODUCT REVISED
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By: *Manuel Perez*
Miami-Dade Product Control

Revision:

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JR - 06/06/23

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

Custom Windows and
PGT

WINDOWs
REGISTRATION #29296

02/28/22
Date

By
JENS ROSOWSKI

20 OF 22
DWG No.

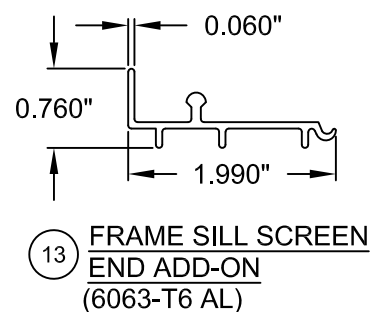
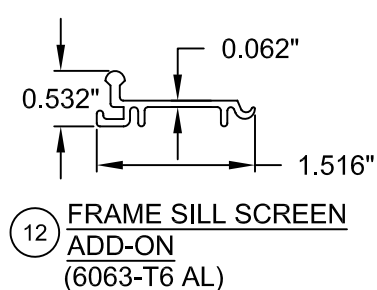
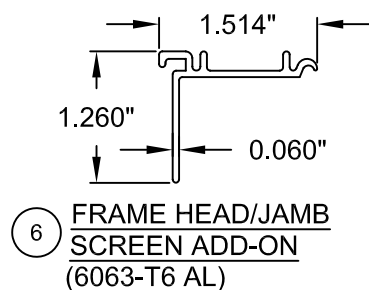
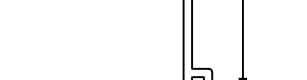
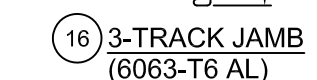
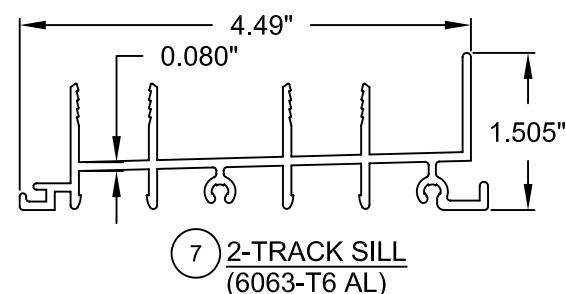
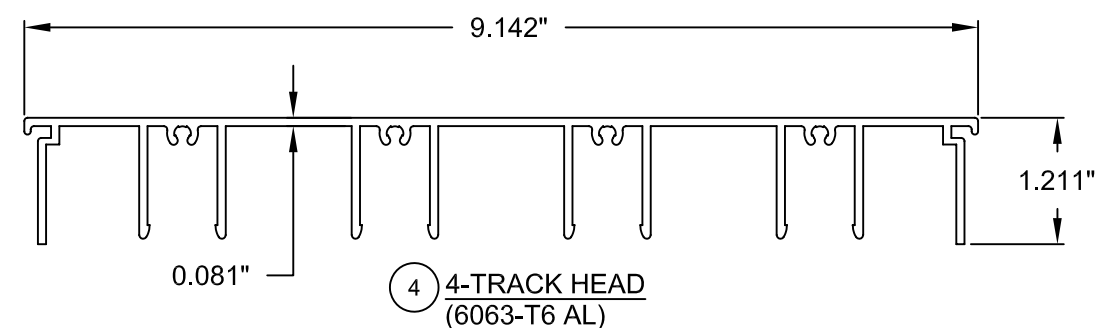
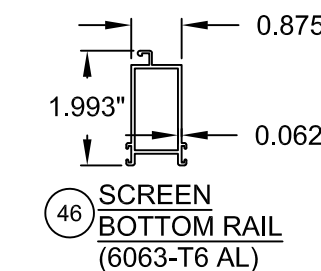
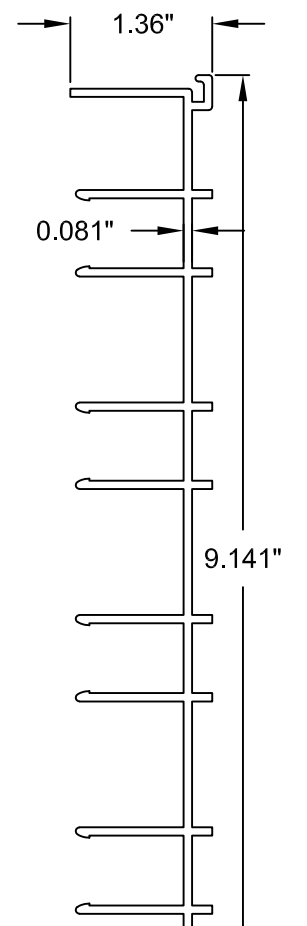
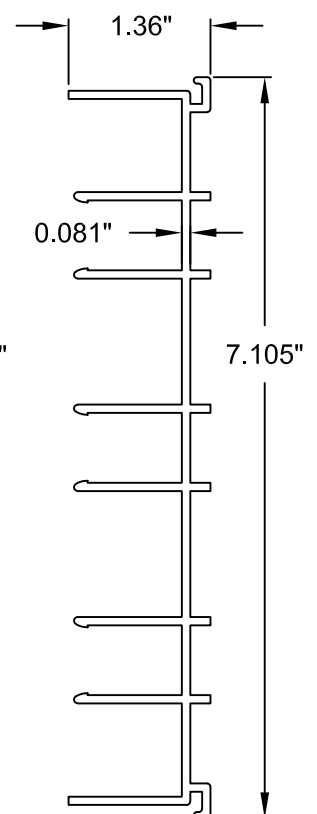
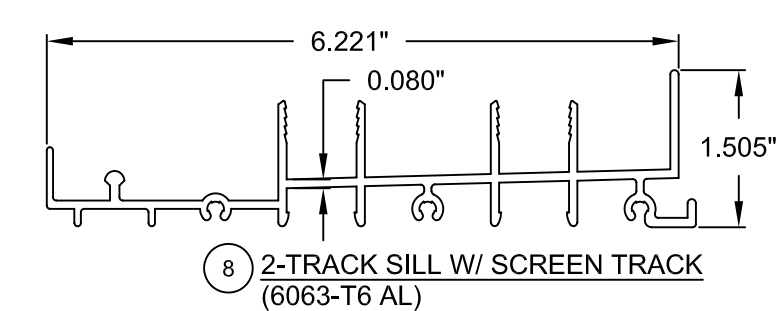
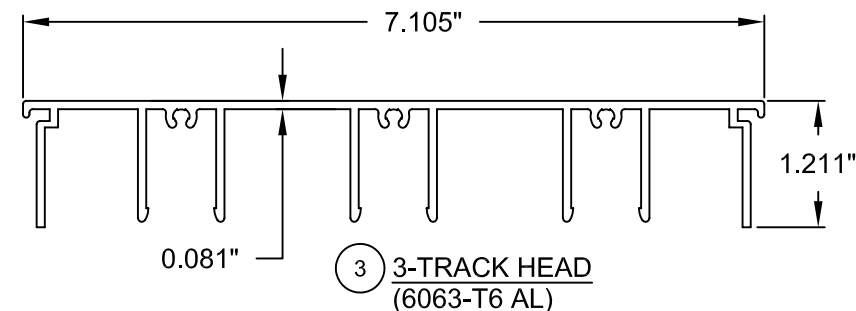
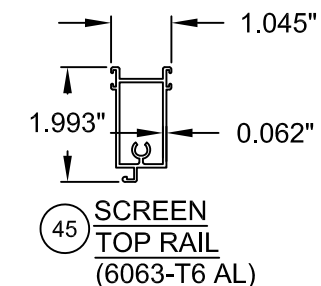
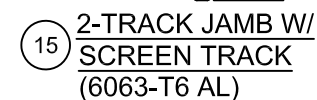
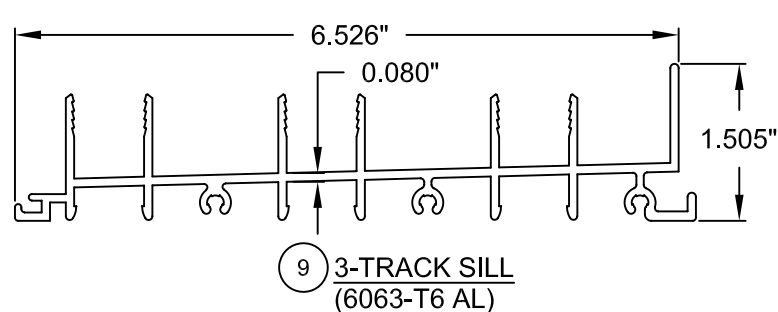
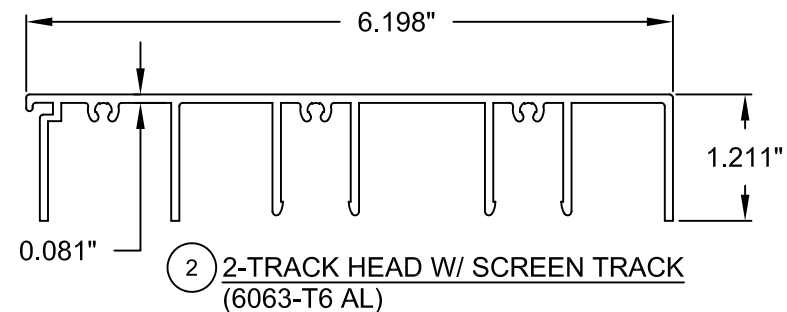
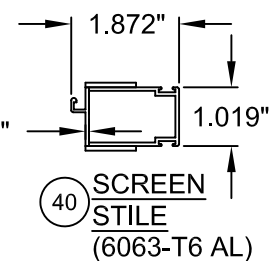
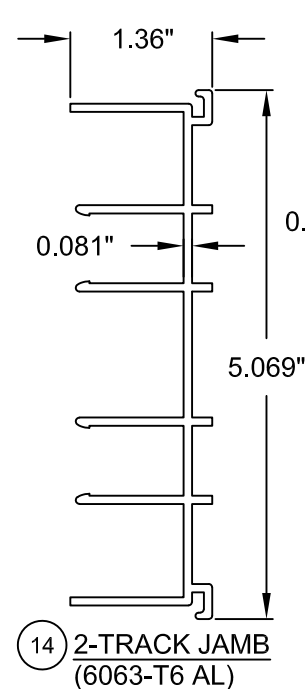
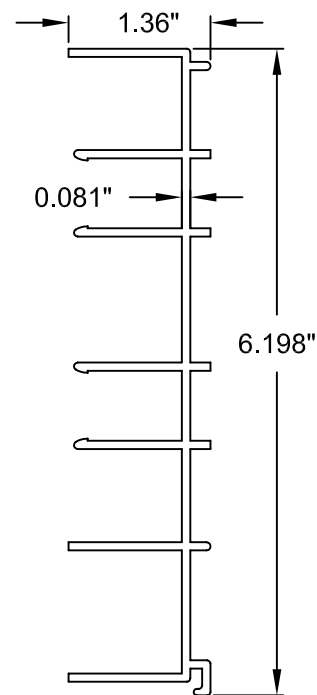
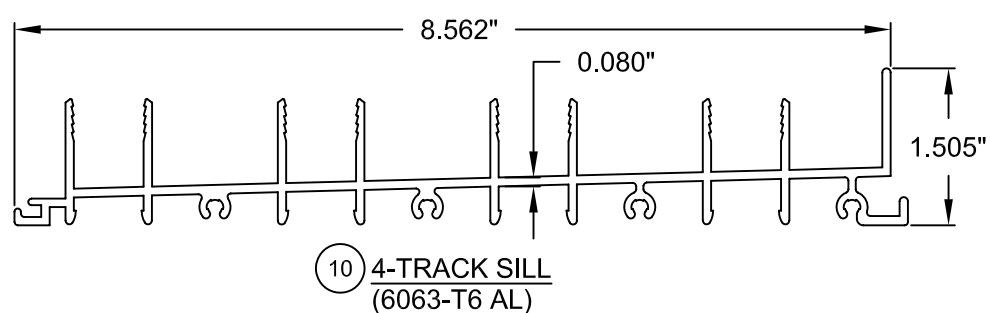
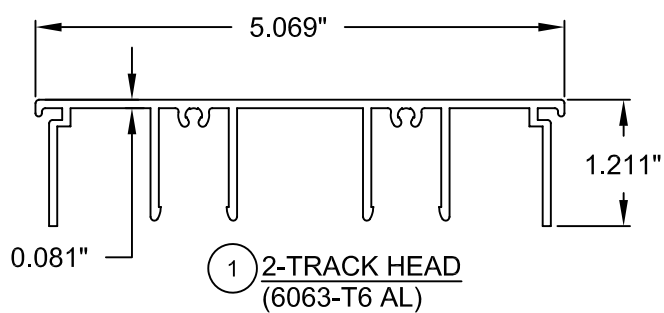
SGD770W
Sheet

ALUMINUM SLIDING GLASS WINDOW (LM)
Title

PGT0129

ANTHONY LYNN MILLER
LICENSE
No. 58705
06/18/23
STATE OF FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705

PROFESSIONAL ENGINEER



REQUIRES MIN. #10 SMS
OR 3/16" MASONRY
ANCHORS @ 24" MAX. O.C.

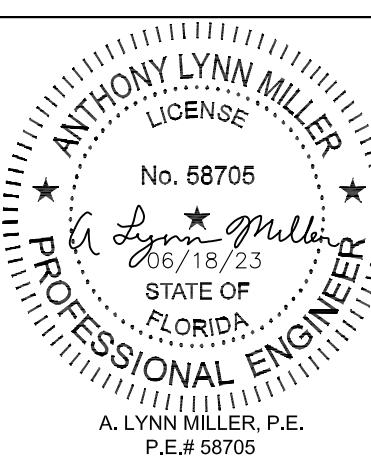
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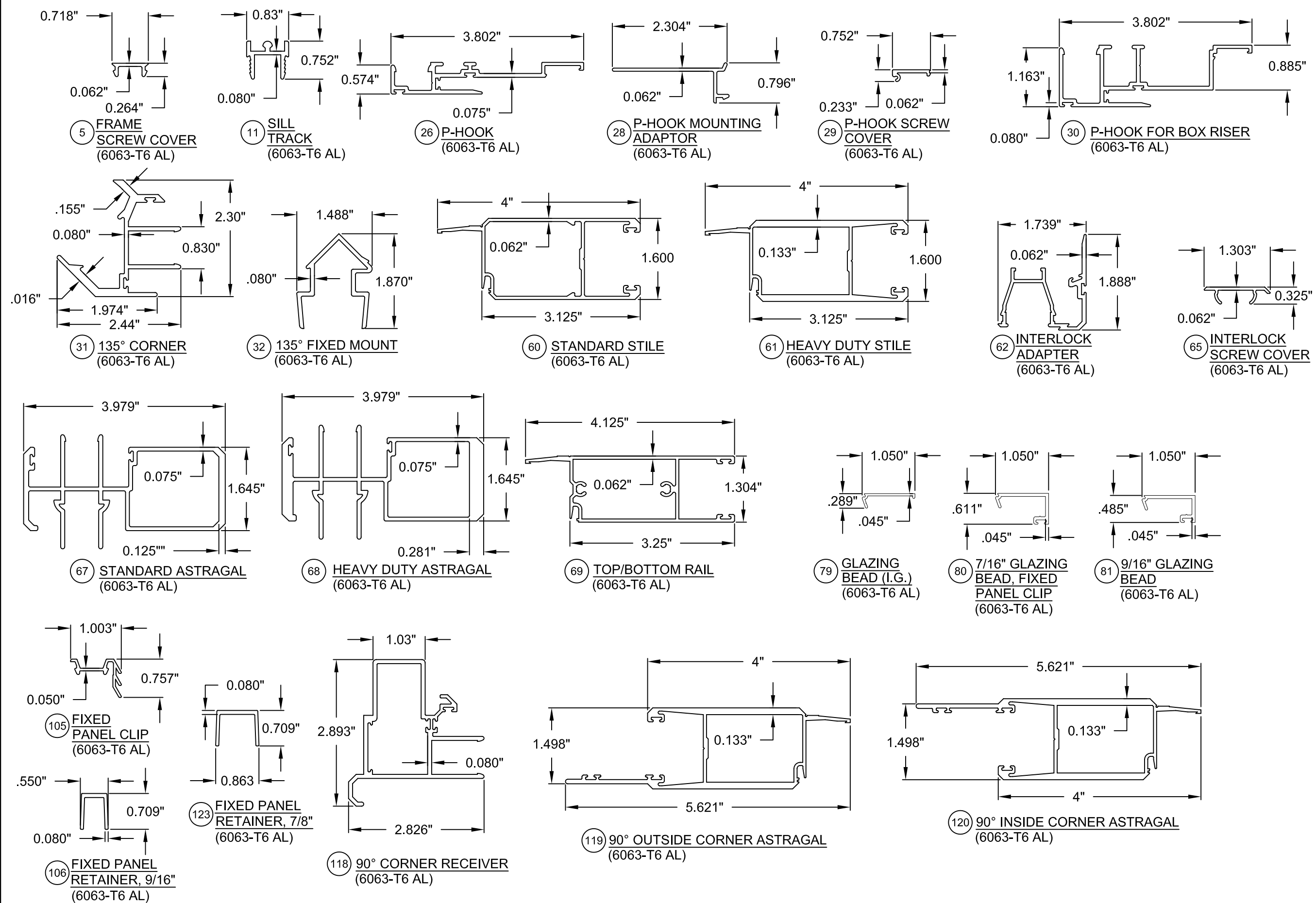
SEE SHEET 17 FOR SILL RISERS.

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By: *Manuel Perez*
Miami-Dade Product Control

UPDATED TO 2023 FBC,
REFORMATED TITLE
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JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	02/28/22	JENS ROSOWSKI	PGT0129	G
ALUMINUM SLIDING GLASS WINDOW (LM)	EXTRUSIONS	SGD770W	21 OF 22	Sheet	DWC
Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS WINDOW (LM)	EXTRUSIONS	SGD770W	21 OF 22	DWC
Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS WINDOW (LM)	EXTRUSIONS	SGD770W	21 OF 22	DWC
Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS WINDOW (LM)	EXTRUSIONS	SGD770W	21 OF 22	DWC
Custom Windows and 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS WINDOW (LM)	EXTRUSIONS	SGD770W	21 OF 22	DWC





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As complying with the Florida Building Code
NOA-No. **23-0710.08**
Expiration Date: **02/12/2025**
By: *Manuel Perez*
Miami-Dade Product Control

Revision: UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.
JR - 06/06/23

<div>PGT</div> <div>Custom Windows and</div>		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		WINDOWS			
		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296			
		ALUMINUM SLIDING GLASS WINDOW (LM)		Date	02/28/22		
		EXTRUSIONS		Drawn By	JENS ROSOWSKI		
Series Desc.	Sheet	22 OF 22		DWG No.	PGT0129	Rev.	G
SGD770W							

