



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-670" Aluminum Sliding Glass Doors w/ 90° & 135° corners -NI**

**APPROVAL DOCUMENT:** Drawing No. **PGT0128 Rev E**, titled "Series 670 Alum SGD-Non-Impact", sheets 1 through 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 06/18/23, signed and sealed by Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None:** Approved Hurricane Protection devices, complying w/ FBC, as applicable are required.

**Limitations:**

1. Max eight (8) panels configuration unit is allowed, having max nominal panel size not to exceed tested height & width per tables 1 thru 3. See sheets 6, 7 and 8 for Design Pressures (DP), glass types, Sill type for Positive DP limits, applicable Standard or Heavy-Duty parts and anchorage requirements. See Typ. Installation in sheet 10 for straight configured units, sheet 11 for corner units and sheet 14 for pocketed units. Pockets & Egress requirements to be reviewed by Building official.

**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 # 20-0429.07** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 & E-5, as well as approval document mentioned above.

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



*Ishaq I. Chanda*

**NOA No. 23-0710.03**  
**Expiration Date: April 07, 2025**  
**Approval Date: August 03, 2023**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under previous approvals**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (submitted under files See below)
2. Drawing No. **PGT0128 Rev B**, titled "Series 670 Alum SGD-Non-Impact", sheets 1 thru 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 06/08/16, signed and sealed by Lynn Miller, P.E.

**B. TESTS**

1. REF Test report on 1) Uniform Static Air Pressure Test, 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 Aluminum Sliding Glass Doors (w/ TPS, Super, Cardinal & Duraseal Spacers), prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL-8717, FTL-8970 and FTL-8968**, dated 02/15/16, 06/07/16 and 06/20/16, all signed & sealed by Idalmis Ortega, P.E.

2. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, 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) and TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL-5979, FTL-5980, FTL-5994, FTL-6002, FTL-6034 & FTL-6035**, dated 08/10/09, all signed & sealed by Julio Gonzales, P.E. (All above test reports submitted under files # **14-0123.11, #11-1018.17/#09-0826.13**)

2. Reference Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, 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 (b) and TAS 202-94

Along w/ marked-up drawings and installation diagram of Aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No**FTL-7554**, dated 11/01/13, signed & sealed by Marlin D. Brinson, P.E (This file has addendum letter dated 08/14/14 & marked-up drawings dated 08/19/14 & revised interior astragal marked-up Dwgs dated 11-11-13, all issued by Fenestration Testing

3. Additional REF supporting test # **FTL 5254, FTL 5980, FTL 5987** and **ATI72138.01-401-18**.
4. Additional, Reference Fixed window test report **FTL-7897** (cardinal spacer) per TAS 201, 202 & 203-94, issued by Fenestration Testing lab (Test report submitted under file **#15-0430.08**).

**C. CALCULATIONS (submitted under file #14-0123.11)**

1. Anchor verification and comparative analysis dated 03/18/14, 06/25/14 and last revised on 01/30/15, sheets 1 thru 67, prepared by PGT, signed and sealed by Lynn Miller, P. E.
2. Glazing complies with ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0710.03**  
**Expiration Date: April 07, 2025**  
**Approval Date: August 03, 2023**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS (submitted under file #14-0123.11)**

1. Statement letter dated 10/08/15 of compliance to FBC 2014 (5<sup>th</sup> Edition) and “No financial interest”, prepared by PGT, signed & sealed by Lynn Miller, P.E.
2. Letter of lab compliance, part of the above test reports.

**G. OTHER**

1. This NOA revises # 15-1013.14, expiring April 07, 2020.
2. Test proposal # 16-0125 dated 03/09/16 approved by RER.
3. AAMA’s Technical Paper for SGD & Bi-fold doors referenced to FBC 2014 (5<sup>th</sup> edition).
4. Test proposal dated 6/4/13 & 08/12/13 approved by Jaime Gascon, P.E.
5. Test proposals No(s) 09-0177, 0177-A, B & C approved by BCCO.

**2. Evidence submitted under previous submittal**

**A. DRAWINGS**

1. Drawing No. **PGT0128 Rev C**, titled “Series 670 Alum SGD-Non-Impact”, sheets 1 through 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 04/18/17, signed and sealed by Lynn Miller, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis dated 04/18/17 and last revised on 08/09/17, complying with FBC-217 (6<sup>th</sup> Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Glazing complies with ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2014(5<sup>th</sup> edition) & FBC 2017(6<sup>th</sup> Edition) and letter of no financial interest, prepared by PGT, dated 04/18/17, signed and sealed by Lynn Miller, P.E.

**G. OTHER**

1. This NOA revises NOA # 16-0629.03, expiring April 07, 2020.

**3. Evidence submitted under previous approval.**

**A. DRAWINGS**

1. Drawing No. **PGT0128 Rev C**, titled “Series 670 Alum SGD-Non-Impact”, sheets 1 through 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 11/22/19, signed and sealed by Lynn Miller, P.E.

**B. TESTS**

1. None.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0710.03**  
**Expiration Date: April 07, 2025**  
**Approval Date: August 03, 2023**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS (submitted under file #17-0420.09)**

1. None
2. Glazing complies with ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2017 (6<sup>th</sup> Edition) and letter of no financial interest, prepared by PGT, dated 11/22/19, signed and sealed by Lynn Miller, P.E.

**G. OTHER**

1. This NOA **renews NOA # 17-0420.09**, expiring April 07, 2025.

**4. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **PGT0128 Rev D**, titled "Series 670 Alum SGD-Non-Impact", sheets 1 through 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 04/22/20, signed and sealed by Lynn Miller, P.E.

**B. TESTS**

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

along with marked-up drawings and installation diagram of all PGT Industries, Inc. 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 and sealed by Idalmis Ortega, P.E.

**B. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 7<sup>th</sup> Edition (2020)**, dated 04/22/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04, -09, -12 and -16**.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0710.03**  
**Expiration Date: April 07, 2025**  
**Approval Date: August 03, 2023**



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letters of conformance to FBC 2020(7<sup>th</sup> Edition), dated 04/18/20, prepared, signed & sealed by Lynn Miller, P. E.

**G. OTHER**

1. This NOA revises NOA #19-1126.01, and updates to **FBC2020 (7<sup>th</sup> Edition)**, expiring 04/07/25.
2. RER Test proposals #19-1155 dated 01/10/20 approved by Ishaq I. Chanda, P.E, expiring 04/14/21expiring 04/07/25.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0710.03**  
**Expiration Date: April 07, 2025**  
**Approval Date: August 03, 2023**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**5. New Evidence submitted**

**A. DRAWINGS**

1. Drawing No. **PGT0128 Rev E**, titled “Series 670 Alum SGD-Non-Impact”, sheets 1 through 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 06/18/23, signed and sealed by Lynn Miller, P.E.

**B. TESTS (submitted under previous approval)**

1. None

**C. CALCULATIONS (submitted under previous approval)**

1. None

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 7<sup>th</sup> Edition (2020)** and the **FBC 8<sup>th</sup> Edition (2023)**, dated 06-06-23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of conformance to FBC 2017 (6<sup>th</sup> Edition) and letter of no financial interest, prepared by PGT, dated 11/22/19, signed and sealed by Lynn Miller, P.E.

**G. OTHER**

1. This NOA **revises NOA # 20.0429.07** by updating to FBC 2023 , expiring April 07, 2025.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0710.03**  
**Expiration Date: April 07, 2025**  
**Approval Date: August 03, 2023**

SERIES 670 NON-IMPACT RESISTANT SLIDING GLASS DOOR  
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 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 = DOOR UNIT HEIGHT - 1-7/8"  
DLO HEIGHT = DOOR 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	NOT RATED FOR 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-5254, FTL-5979, FTL-5980, FTL-5987, FTL-5994, FTL-6002, FTL-6034, FTL-6035, FTL-7554 AND ATI 72138.01-1401-18; 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. 23-0710.03  
Expiration Date 04/07/2025  
By *Isaac L. Chandra*  
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

REGISTRATION #29296

06/06/23

JENS ROSOWSKI

PGT0128

E

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

ALUMINUM SLIDING GLASS DOOR (NI)

GEN. NOTES AND ANCHOR

SGD670

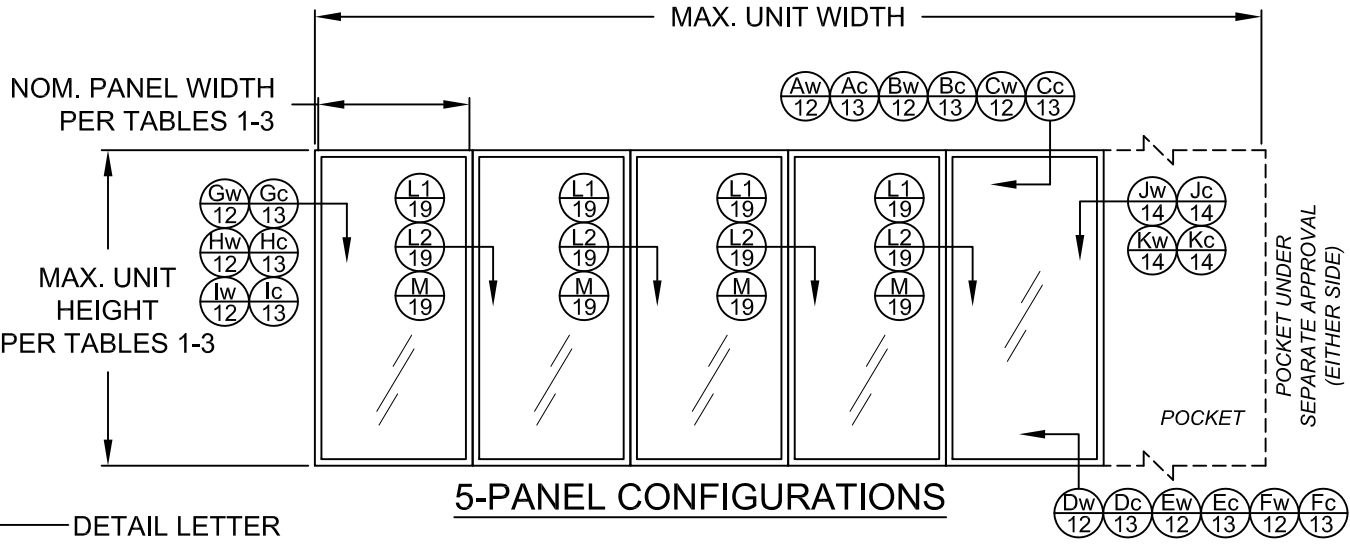
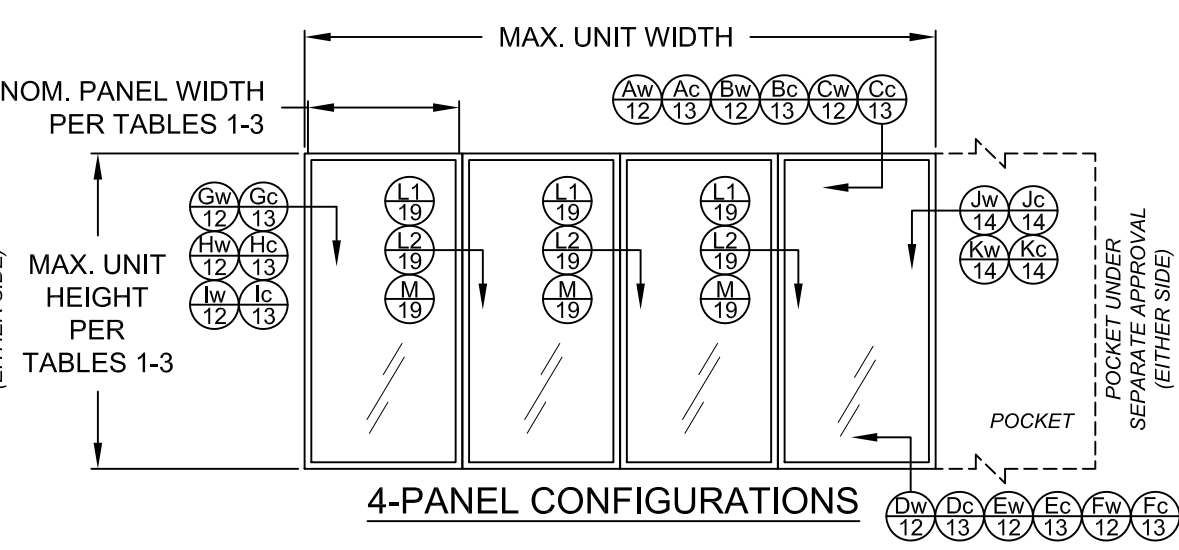
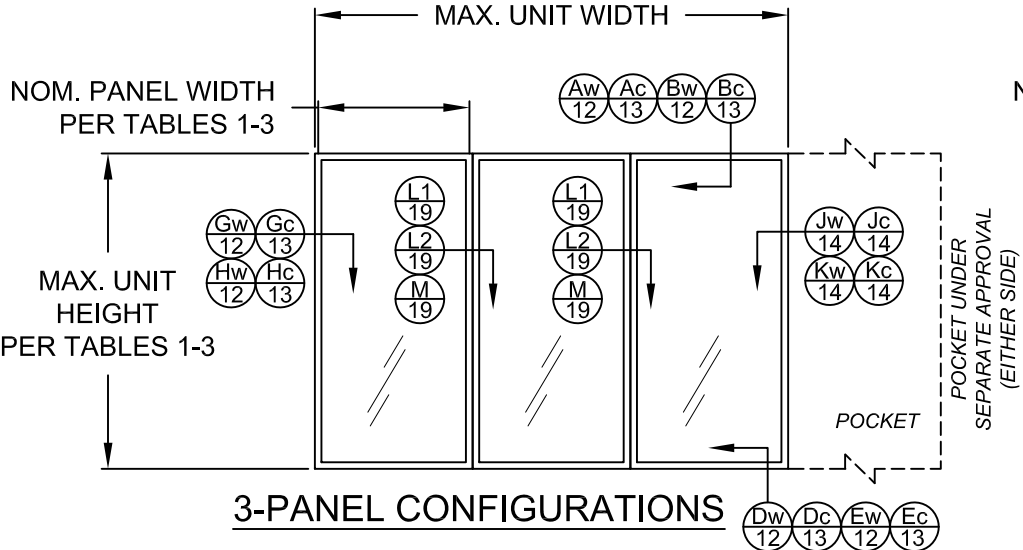
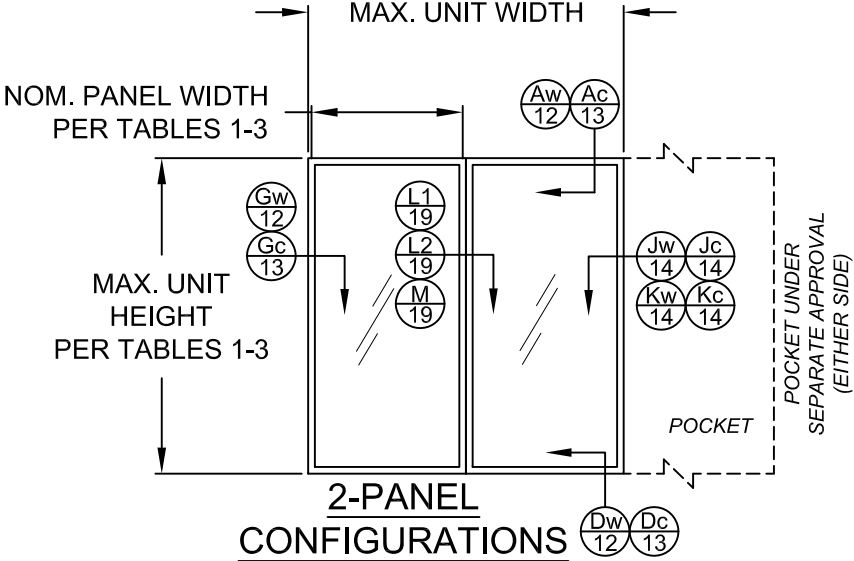
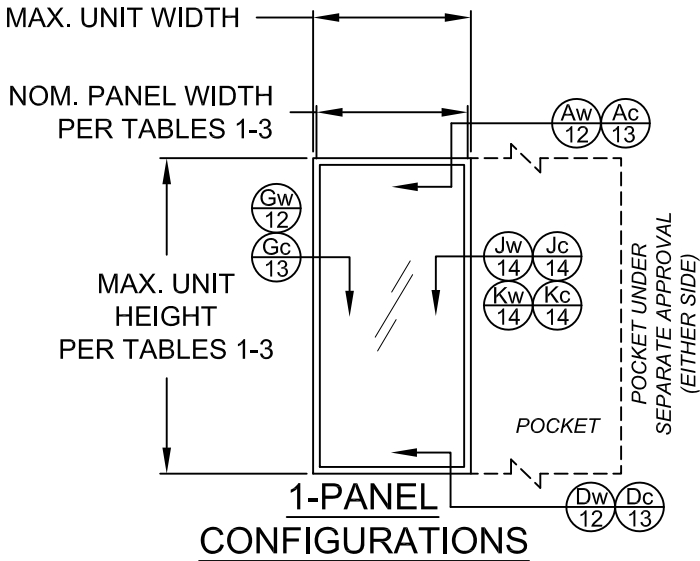
1 OF 22

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1

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:

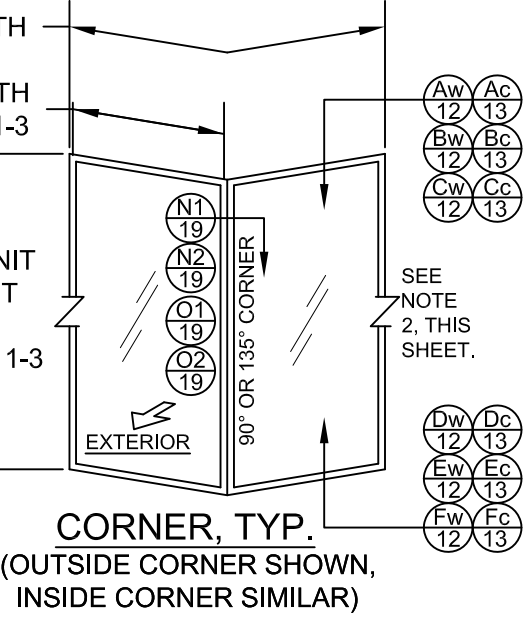
1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

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

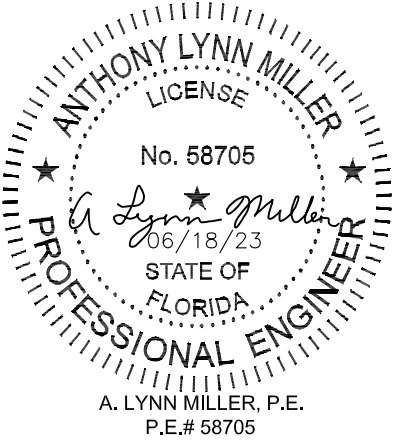
DLO WIDTH = NOM. PANEL WIDTH - 7"  
PANEL HEIGHT = DOOR UNIT HEIGHT - 1-7/8"  
DLO HEIGHT = DOOR UNIT HEIGHT - 10-1/8"  
DLO HEIGHT = PANEL HEIGHT - 8-1/4"



**PRODUCT REVISED**  
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NOA-No. 23-0710.03  
Expiration Date 04/07/2025  
By Ishag I. Chande  
Miami-Dade Product Control

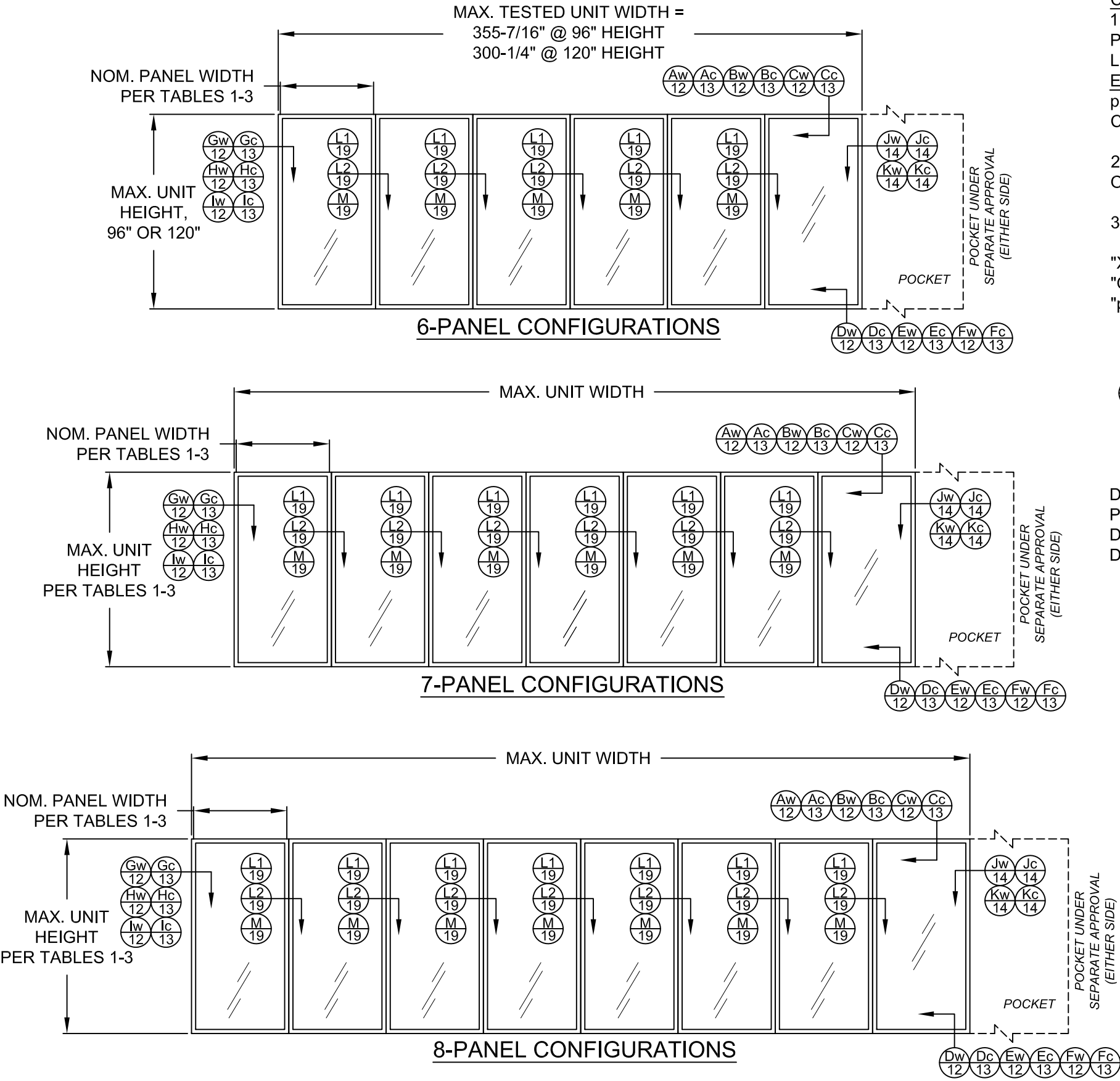
UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.  
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
ALUMINUM SLIDING GLASS DOOR (NI)	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
EXAMPLE CONFIGURATIONS	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
SGD670	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E





EXAMPLE CONFIGURATIONS

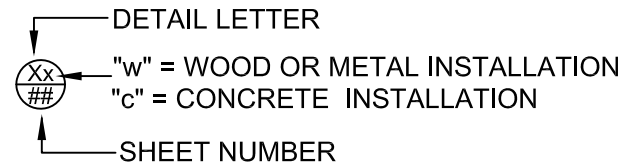


CONFIGURATIONS NOTES:  
1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS  
POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB  
LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION.  
EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE  
pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION  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

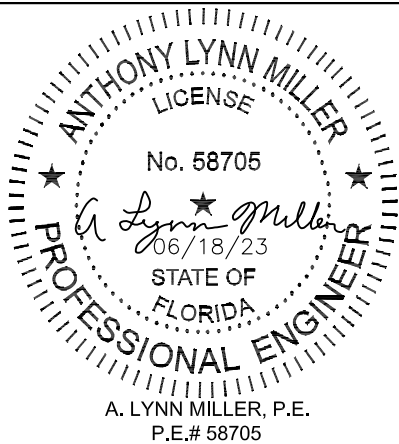


DLO WIDTH = NOM. PANEL WIDTH - 7"  
PANEL HEIGHT = DOOR UNIT HEIGHT - 1-7/8"  
DLO HEIGHT = DOOR UNIT HEIGHT - 10-1/8"  
DLO HEIGHT = PANEL HEIGHT - 8-1/4"

PRODUCT REVISED  
as complying with the Florida  
Building Code  
NOA-No. 23-0710.03  
Expiration Date 04/07/2025  
By *Isaac L. Chandra*  
Miami-Dade Product Control

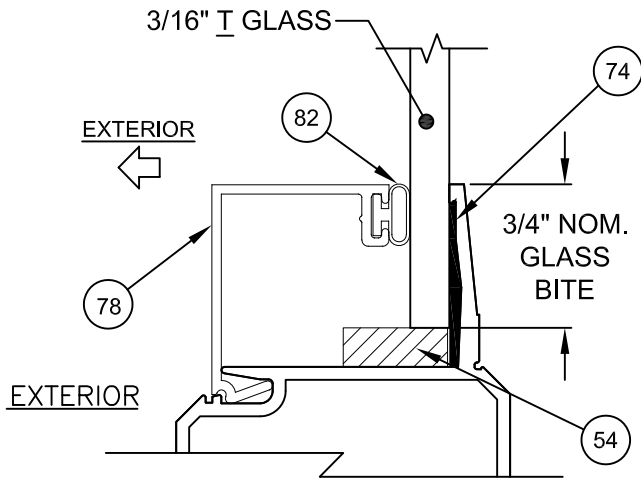
UPDATED TO 2023 FBC,  
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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
ALUMINUM SLIDING GLASS DOOR (NI)	EXAMPLE CONFIGURATIONS	SGD670	3 OF 22	DWG	No.
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	EXAMPLE CONFIGURATIONS	SGD670	3 OF 22	DWG

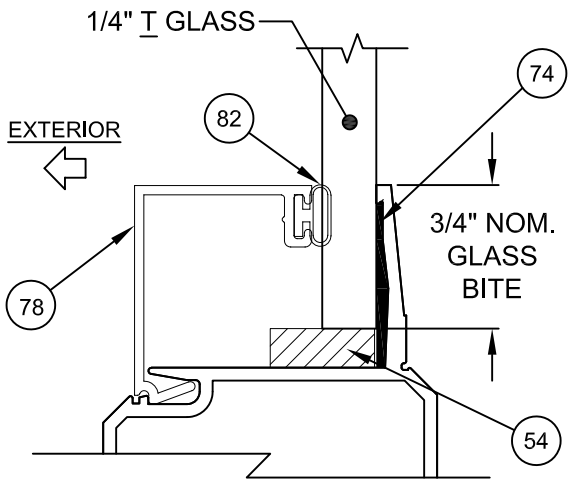




GLAZING DETAILS (G1 & G1A)



3/16" TEMPERED GLASS, TYPE G1



1/4" TEMPERED GLASS, TYPE G1A

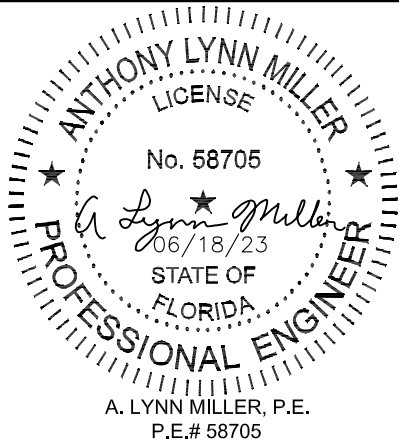
TABLE B, SEE DETAILS ON SHEETS 4 & 5:

Glass Type	Description (Listed from Exterior to Interior)
G1	3/16" TEMPERED GLASS
G1A	1/4" TEMPERED GLASS
G2	1" I.G.: 3/16" TEMPERED GLASS + 5/8" AIRSPACE + 3/16" TEMPERED GLASS
G2A	1" I.G.: 1/4" TEMPERED GLASS + 1/2" AIRSPACE + 1/4" TEMPERED GLASS

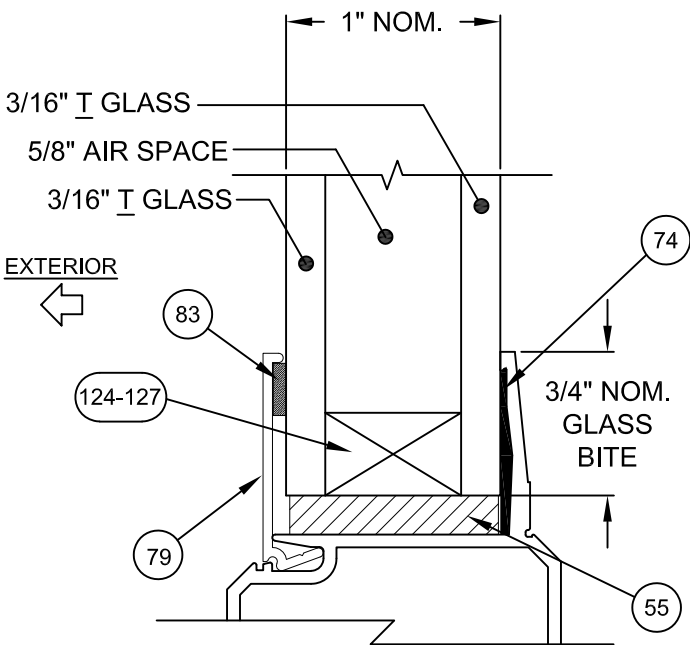
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Miami-Dade Product Control

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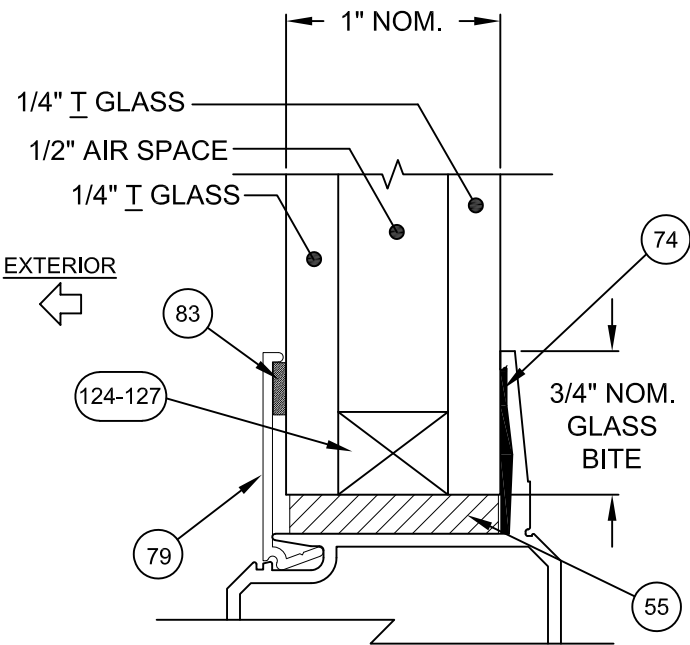
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	JENS ROSOWSKI	SGD670	4 OF 22	E



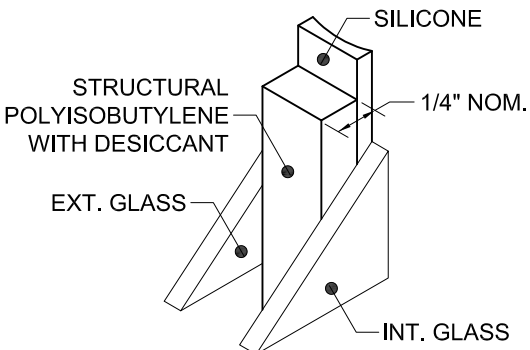
GLAZING DETAILS (G2 & G2A)



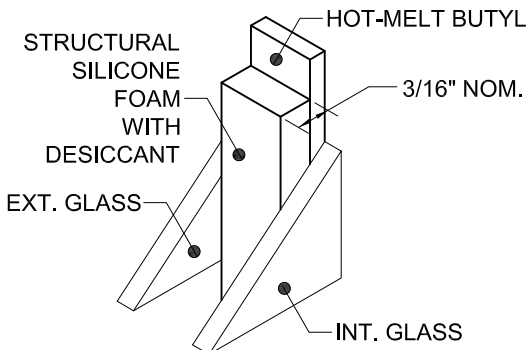
1" I.G. GLASS, TYPE G2



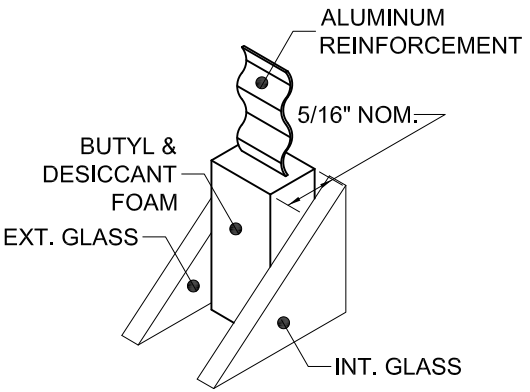
1" I.G. GLASS, TYPE G2A



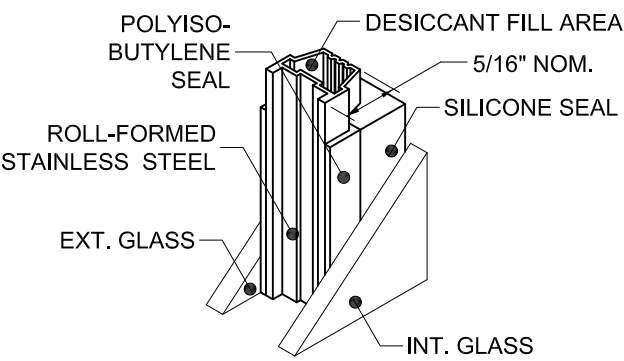
124 KODISPACE  
4SG TPS



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	
127	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

**PRODUCT REVISED**  
as complying with the Florida Building Code  
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By *Ishaq I. Chande*  
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	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	By	JENS ROSOWSKI	No.	5 OF 22
SGD670	GLAZING DETAILS	Date	JENS ROSOWSKI	DWG	5 OF 22
SGD670	GLAZING DETAILS	Date	JENS ROSOWSKI	DWG	5 OF 22

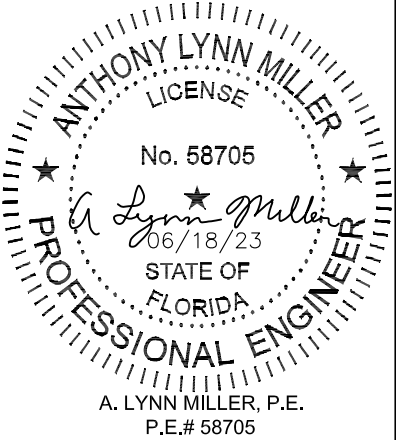


TABLE 1:

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																			
Table applies to all Glass types and the Stile/Astragal types shown below. Positive (+) DP may be limited by Table 1A.				Door Unit Height															
				80"				84"				90"				96"			
				69-7/8" DLO				73-7/8" DLO				79-7/8" DLO				85-7/8" DLO			
				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width	24"	17" DLO	Design Pressure	+90.0 / -127.1				+90.0 / -120				+90.0 / -110.8				+90.0 / -102.9			
			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	
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	30"	23" DLO	Design Pressure	+90.0 / -106.3				+90.0 / -100.2				+90.0 / -92.2				+85.3 / -85.3			
			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	
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	36"	29" DLO	Design Pressure	+90.0 / -92.9				+87.3 / -87.3				+80.0 / -80				+73.8 / -73.8			
			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	
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	42"	35" DLO	Design Pressure	+83.7 / -83.7				+78.4 / -78.4				+71.6 / -71.6				+65.8 / -65.8			
			Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+1	C4+1	C4+1	C4+1	C4+1	
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	48"	41" DLO	Design Pressure	+77.1 / -77.1				+72.0 / -72				+65.5 / -65.5				+60.0 / -60			
			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	
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	54"	47" DLO	Design Pressure	+72.5 / -72.5				+67.4 / -67.4				+61.0 / -61				+54.7 / -54.7			
			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	
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	60"	53" DLO	Design Pressure	+69.1 / -69.1				+64.0 / -64				+57.6 / -57.6				+50.6 / -50.6			
			Head/Sill	C4+3	C4+3	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	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8

FOR EXAMPLE ON USING TABLE, SEE SHEET 7.

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

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.

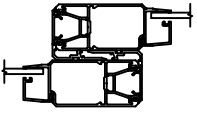
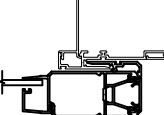
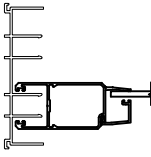

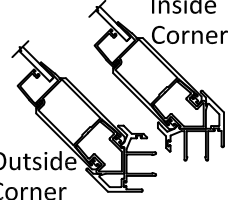

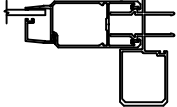
Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Standard Stiles	Standard Stile	Standard Stile	Standard Stile	Standard Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
			Standard Astragal		Outside Corner	Outside Corner		
					Inside Corner	Inside Corner		
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

TABLE 1A:

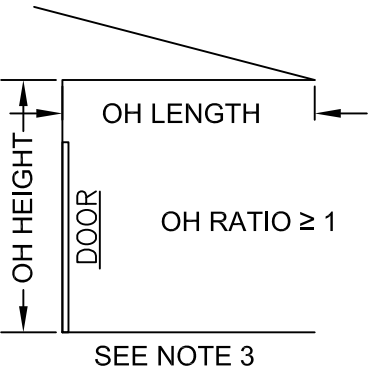
Sill Height to Max. (+) DP (Water Infiltration Rating)	
Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 90.0

SEE NOTES 1-3

NOTES:

- 1) POSITIVE PRESSURES IN TABLE 1 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 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 DOOR 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) DOOR 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.

OH RATIO =  $\frac{\text{OH LENGTH}}{\text{OH HEIGHT}}$



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

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

ALUMINUM SLIDING GLASS DOOR (NI)

DP & ANCHORAGE

REGISTRATION #29296

6 OF 22

06/06/23

JENS ROSOWSKI

SGD670

Rev.

PGT0128

No.

6 OF 22

Sheet

SGD670

UPDATED TO 2023 FBC,  
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Revision:

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Building Code  
**NOA-No.** 23-0710.03  
**Expiration Date** 04/07/2025  
**By** *Ishaq I. Chande*  
**Miami-Dade Product Control**

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



TABLE 2:

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																											
Table applies to all Glass types and the Stile/Astragal types shown below. Positive (+) DP may be limited by Table 2A.				Door Unit Height																							
				80"				84"				90"				96"				102"				108"			
				69-7/8" DLO				73-7/8" DLO				79-7/8" DLO				85-7/8" DLO				91-7/8" DLO				97-7/8" 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	24"	17" DLO	Design Pressure	+90.0 / -140.0				+90.0 / -133.0				+90.0 / -122.0				+90.0 / -114.0				+90.0 / -106.0				+90.0 / -99.0			
			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	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	10	10	10	10	10	10	10
			P-hook	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9
	30"	23" DLO	Design Pressure	+90.0 / -141.8				+90.0 / -133.6				+90.0 / -122.9				+90.0 / -113.8				+90.0 / -105.9				+90.0 / -99.1			
			Head/Sill	C5+2	C5+2	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1
			Jamb	12	10	8	8	12	10	8	8	12	10	8	8	12	10	8	8	12	10	10	10	12	10	10	10
			P-hook	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10
	36"	29" DLO	Design Pressure	+90.0 / -123.9				+90.0 / -116.4				+90.0 / -106.7				+90.0 / -98.5				+90.0 / -91.4				+85.3 / -85.3			
			Head/Sill	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1	C5+1
			Jamb	12	10	8	8	12	10	8	8	12	10	8	8	12	10	8	8	12	10	10	10	12	10	10	10
			P-hook	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10
	42"	35" DLO	Design Pressure	+90.0 / -111.6				+90.0 / -104.5				+90.0 / -95.4				+87.8 / -87.8				+81.3 / -81.3				+75.7 / -75.7			
			Head/Sill	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+1	C5+1
			Jamb	12	10	8	8	12	10	8	8	12	10	8	8	12	10	8	8	12	10	10	10	12	10	10	10
			P-hook	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10
	48"	41" DLO	Design Pressure	+90.0 / -102.9				+90.0 / -96.0				+87.3 / -87.3				+80.0 / -80.0				+73.8 / -73.8				+68.6 / -68.6			
			Head/Sill	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2
			Jamb	12	10	8	8	12	10	8	8	12	10	8	8	12	10	8	8	12	10	10	10	12	10	10	10
			P-hook	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10
	54"	47" DLO	Design Pressure	+83.0 / -83.0				+77.2 / -77.2				+69.8 / -69.8				+63.8 / -63.8				Not available in these sizes							
			Head/Sill	C4+3	C4+3	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	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8								
			P-hook	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8								
	60"	53" DLO	Design Pressure	+79.2 / -79.2				+73.3 / -73.3				+66.0 / -66.0				+60.0 / -60.0				Not available in these sizes							
			Head/Sill	C4+3	C4+3	C4+3	C4+3	C4+3	C4+3	C4+3	C4+3	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2								
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8								
			P-hook	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8								

EXAMPLE ON SHEET 9

NOTES:

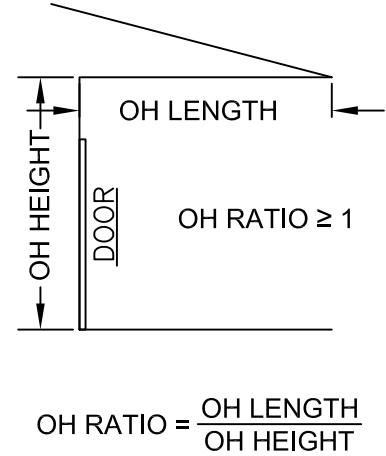
- 1) POSITIVE PRESSURES IN TABLE 2 ARE BASED ON THE USE OF THE 4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX (NEGATIVE PRES. UNCHANGED). SEE TABLE 2A.
- 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 DOOR 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) DOOR 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.

DLO WIDTH = NOM. PANEL WIDTH - 7"  
PANEL HEIGHT = DOOR UNIT HEIGHT - 1-7/8"  
DLO HEIGHT = DOOR 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"	+ 90.0

SEE NOTES 1-3



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	Outside Corner	Inside 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

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 23-0710.03

Expiration Date04/07/2025

By *Ishaq I. Chande*  
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	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
	Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	DP & ANCHORAGE	SGD670	7 OF 22

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																			
Table applies to all Glass types and the Stile/Astragal types shown below. Positive (+) DP may be limited by Table 3A.				Door Unit Height															
				80"				84"				90"				96"			
				69-7/8" DLO				73-7/8" DLO				79-7/8" DLO				85-7/8" DLO			
				Anchor Type				Anchor Type				Anchor Type				Anchor Type			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width	24"	17" DLO	Design Pressure	+90.0 / -140.0				+90.0 / -133.0				+90.0 / -122.0				+90.0 / -114.0			
			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	
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	30"	23" DLO	Design Pressure	+90.0 / -159.5				+90.0 / -150.3				+90.0 / -138.2				+90.0 / -128			
			Head/Sill	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+1	C5+1	C6+1	C6+1	C5+1	C5+1
			Jamb	14	12	8	8	14	12	8	8	14	12	8	8	14	12	8	8
			P-hook	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10
	36"	29" DLO	Design Pressure	+90.0 / -139.4				+90.0 / -130.9				+90.0 / -120				+90.0 / -110.8			
			Head/Sill	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2
			Jamb	14	12	8	8	14	12	8	8	14	12	8	8	14	12	8	8
			P-hook	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10
	42"	35" DLO	Design Pressure	+90.0 / -125.5				+90.0 / -117.6				+90.0 / -107.3				+90.0 / -98.7			
			Head/Sill	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2
			Jamb	14	12	8	8	14	12	8	8	14	12	8	8	14	12	8	8
			P-hook	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10
	48"	41" DLO	Design Pressure	+90.0 / -115.7				+90.0 / -108				+90.0 / -98.2				+90.0 / -90			
			Head/Sill	C6+3	C6+3	C5+3	C5+3	C6+3	C6+3	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2
			Jamb	14	12	8	8	14	12	8	8	14	12	8	8	14	12	8	8
			P-hook	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10
	54"	47" DLO	Design Pressure	+83 / -83				+77.2 / -77.2				+69.8 / -69.8				+62.6 / -62.6			
			Head/Sill	C4+3	C4+3	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	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	60"	53" DLO	Design Pressure	+79.2 / -79.2				+73.3 / -73.3				+66 / -66				+58 / -58			
			Head/Sill	C4+3	C4+3	C4+3	C4+3	C4+3	C4+3	C4+3	C4+3	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
			Jamb	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
			P-hook	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8

FOR EXAMPLE ON USING TABLE, SEE SHEET 7.

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

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.

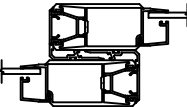
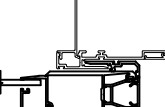
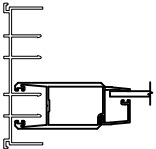
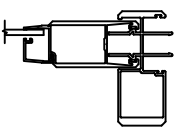
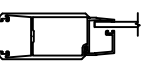
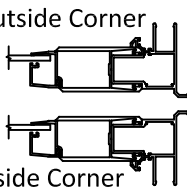
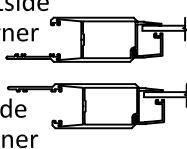
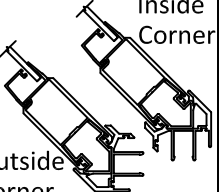
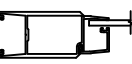
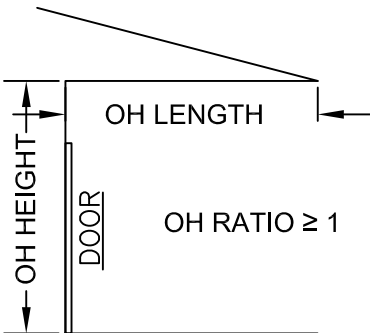
Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Astragal	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
								
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

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



OH RATIO =  $\frac{\text{OH LENGTH}}{\text{OH HEIGHT}}$

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 DOOR 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) DOOR 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.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 23-0710.03  
Expiration Date 04/07/2025  
By Ishaq I. Chande  
Miami-Dade Product Control

Revision:  
UPDATE GLASS DOOR FBC, BEFORE EFFECTIVE - 6/20/22 & LAYOUT.  
JR - 06/06/23

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

REGISTRATION #29296

06/06/23

ALUMINUM SLIDING GLASS DOOR (NI)

DP & ANCHORAGE

JENS ROSOWSKI

PGT0128

8 OF 22

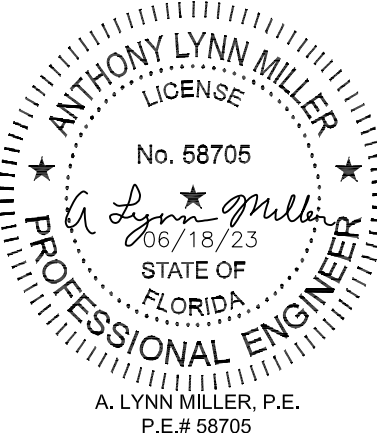
SGD670

Rev.

DWG No.

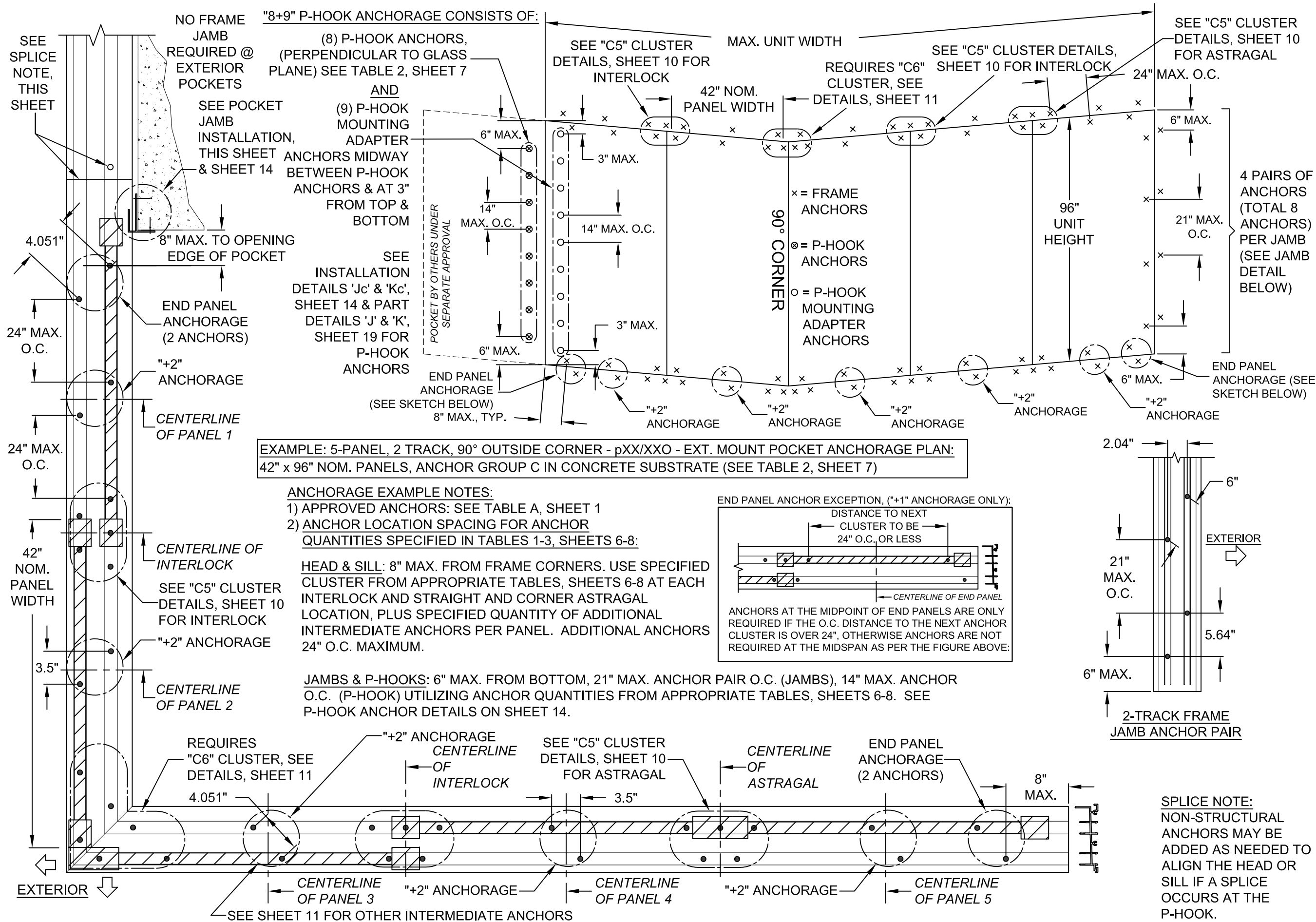
Sheet

Series



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





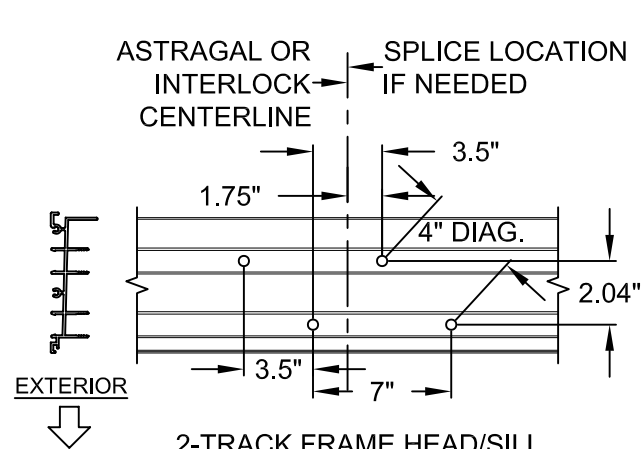
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0710.03

Expiration Date 04/07/2025

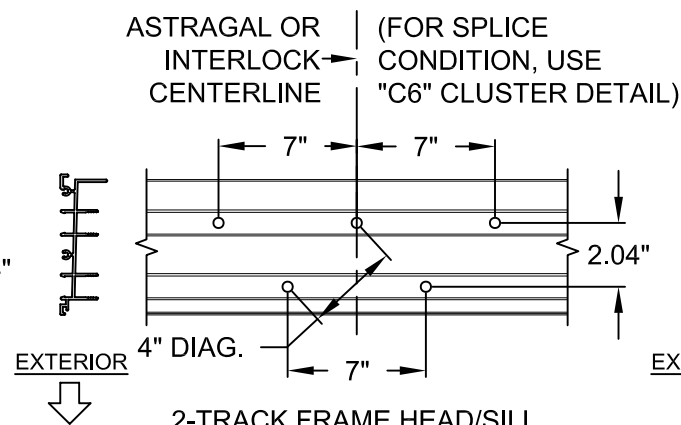
By *Ishaq I. Chandra*  
Miami-Dade Product Control

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

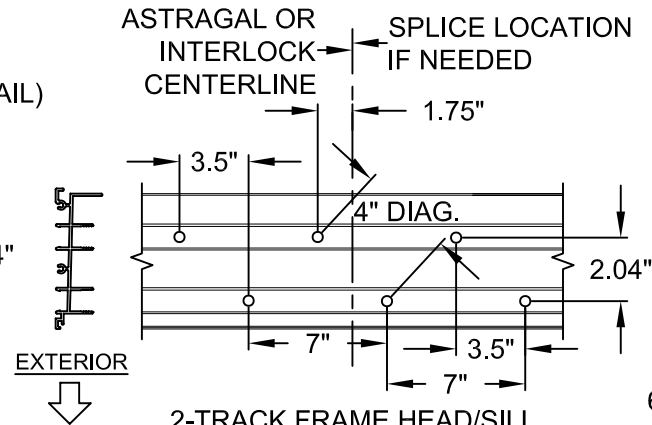
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	EXAMPLE SPACING & EXAMPLE	SGD670	9 OF 22	DWG No.
ANTHONY LYNN MILLER LICENSE No. 58705 06/18/23 STATE OF FLORIDA PROFESSIONAL ENGINEER A. LYNN MILLER, P.E. P.E.# 58705	ALUMINUM SLIDING GLASS DOOR (NI)	EXAMPLE SPACING & EXAMPLE	SGD670	9 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	ALUMINUM SLIDING GLASS DOOR (NI)	EXAMPLE SPACING & EXAMPLE	SGD670	9 OF 22	Series



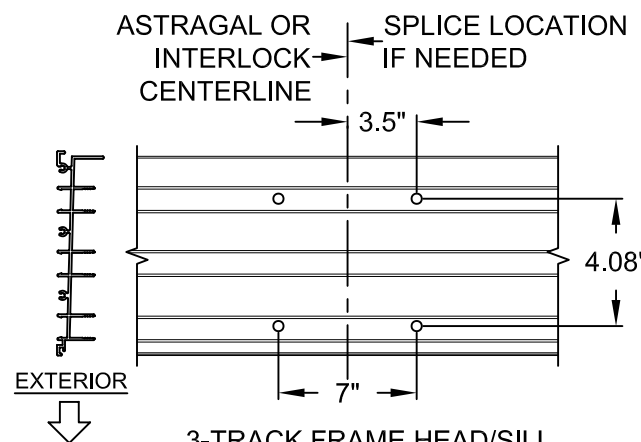
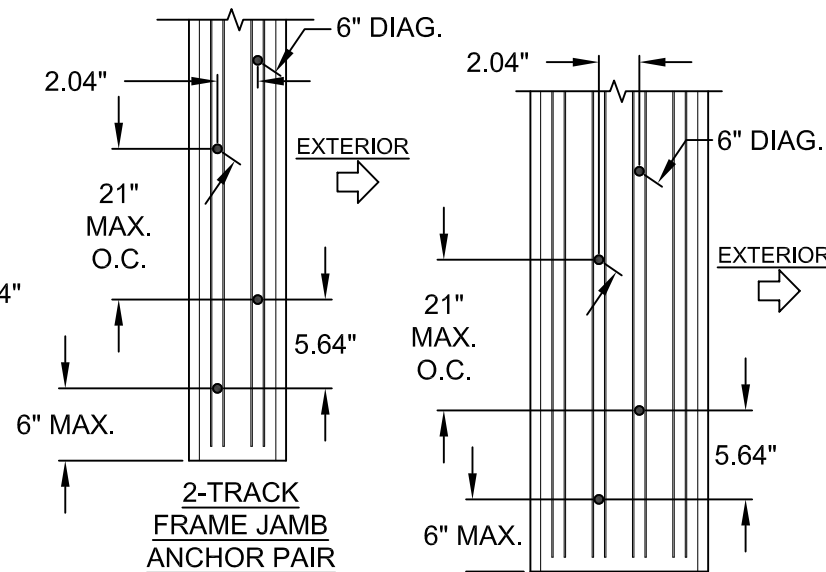
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@ ASTRAGAL OR INTERLOCK  
(USE WHERE 4 CLUSTER  
ANCHORS ARE REQUIRED, "C4")



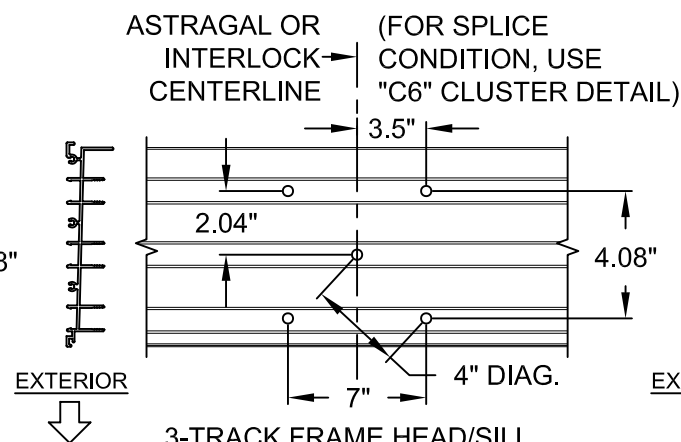
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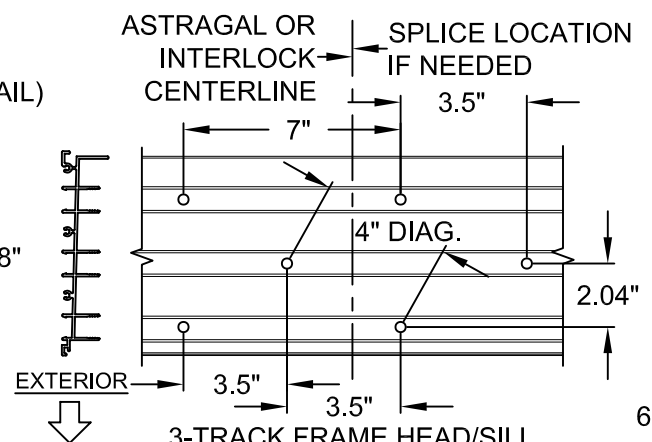
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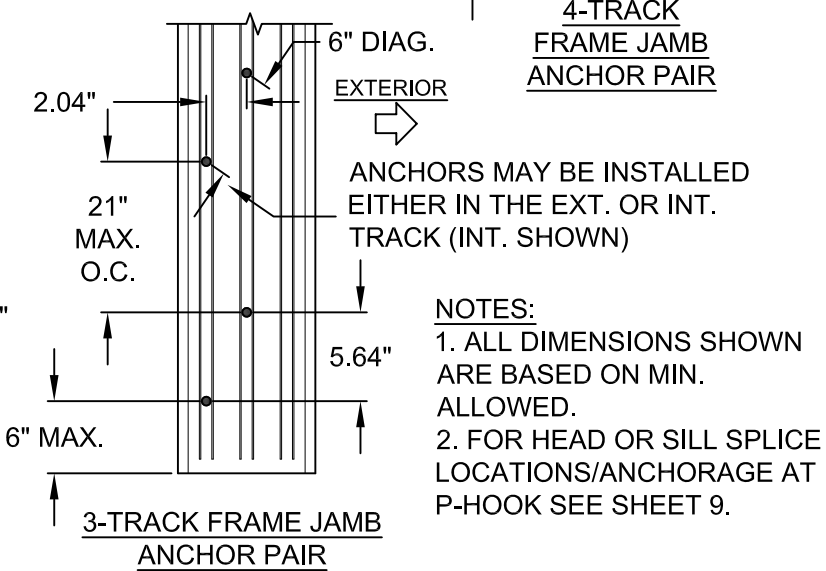
3-TRACK FRAME HEAD/SILL  
@ ASTRAGAL OR INTERLOCK  
(USE WHERE 4 CLUSTER  
ANCHORS ARE REQUIRED, "C4")



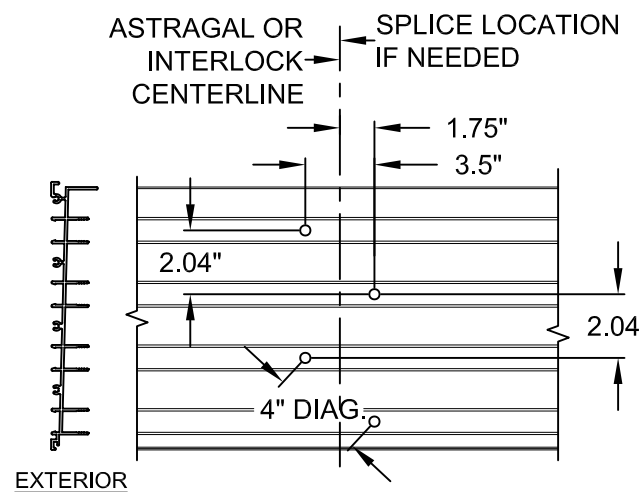
3-TRACK FRAME HEAD/SILL  
@ ASTRAGAL OR INTERLOCK  
(USE WHERE 5 CLUSTER  
ANCHORS ARE REQUIRED, "C5")



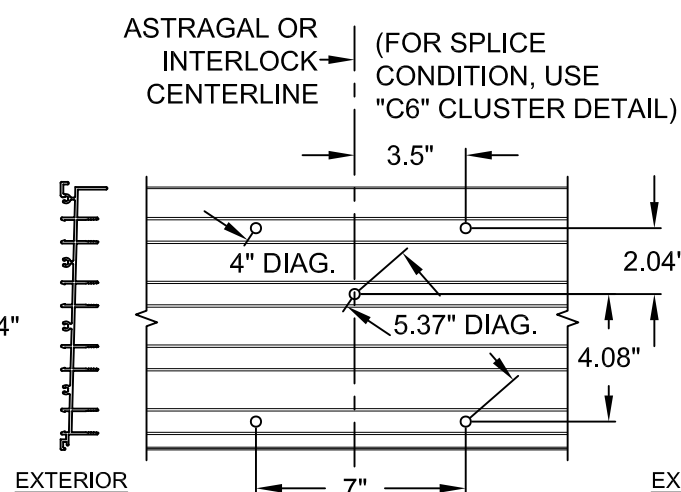
3-TRACK FRAME HEAD/SILL  
@ ASTRAGAL OR INTERLOCK  
(USE WHERE 6 CLUSTER  
ANCHORS ARE REQUIRED, "C6")



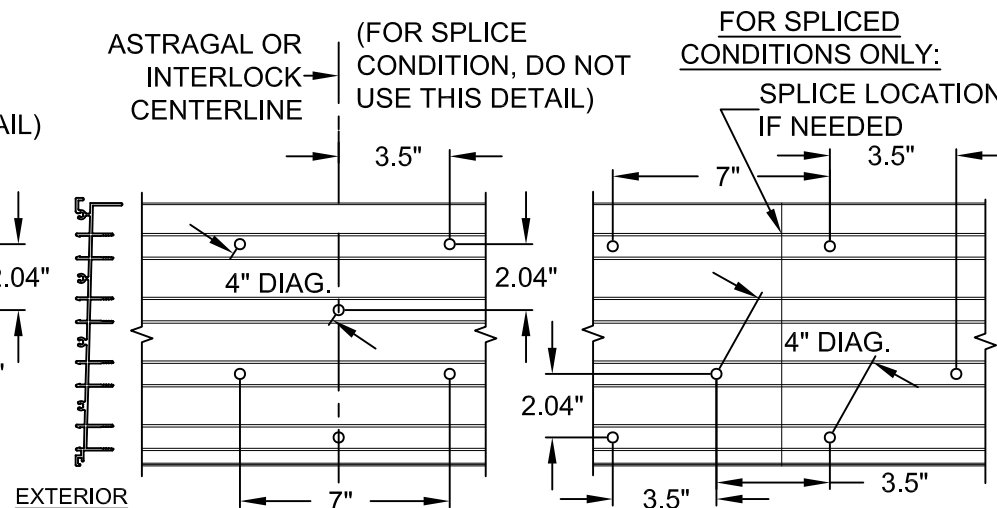
- NOTES:  
1. ALL DIMENSIONS SHOWN  
ARE BASED ON MIN.  
ALLOWED.  
2. FOR HEAD OR SILL SPLICE  
LOCATIONS/ANCHORAGE AT  
P-HOOK SEE SHEET 9.



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")

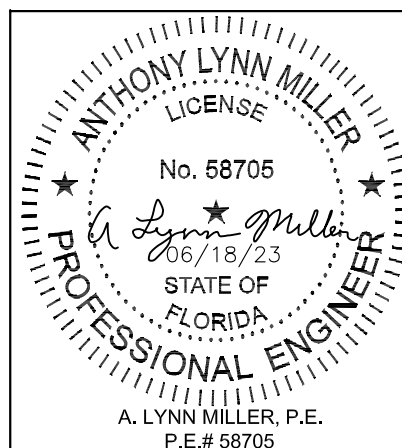


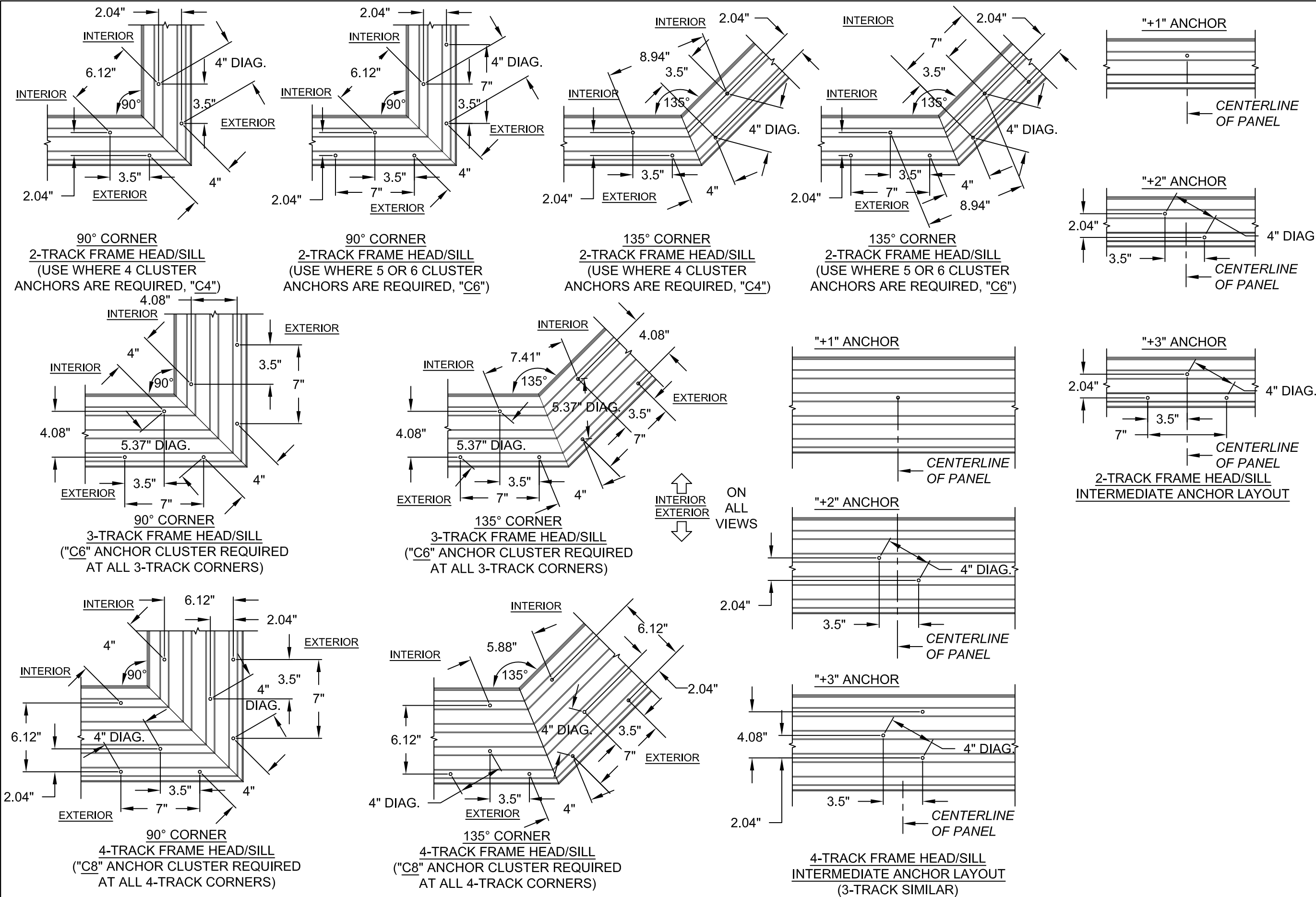
4-TRACK FRAME HEAD/SILL  
@ ASTRAGAL OR INTERLOCK  
(USE WHERE 6 CLUSTER ANCHORS ARE REQUIRED, "C6")  
WITH & WITHOUT SPLICE CONDITION

**PRODUCT REVISED**  
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NOA-No. 23-0710.03  
Expiration Date 04/07/2025  
By *Isahq I. Chande*  
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	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
<b>PGT</b> Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	ANCHORAGE - CLUSTERS	10 OF 22	SCD670	Sheet

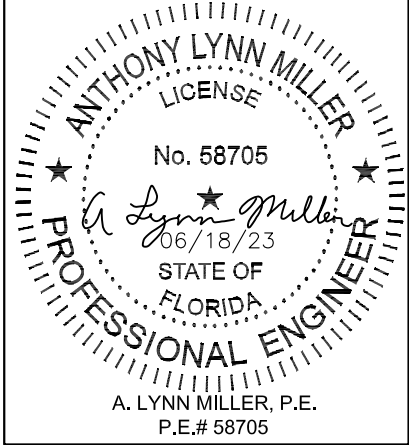




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Expiration Date 04/07/2025  
By *Isaac I. Chandra*  
Miami-Dade Product Control

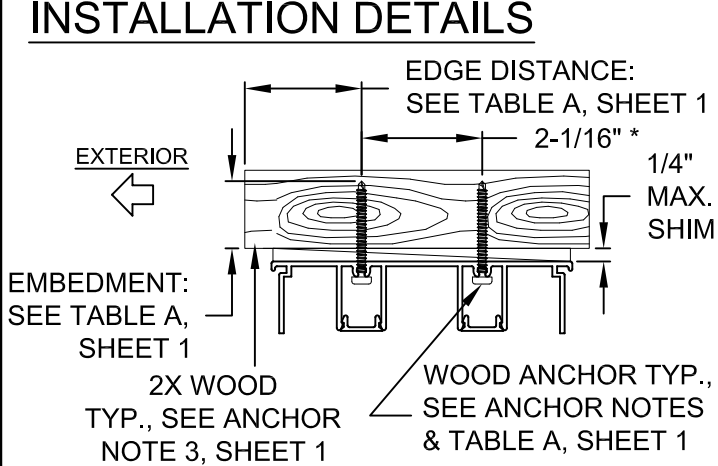
UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.  
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
ALUMINUM SLIDING GLASS DOOR (NI)	ANCHORAGE - CLUSTERS	SGD670	11 OF 22	11 OF 22	11 OF 22

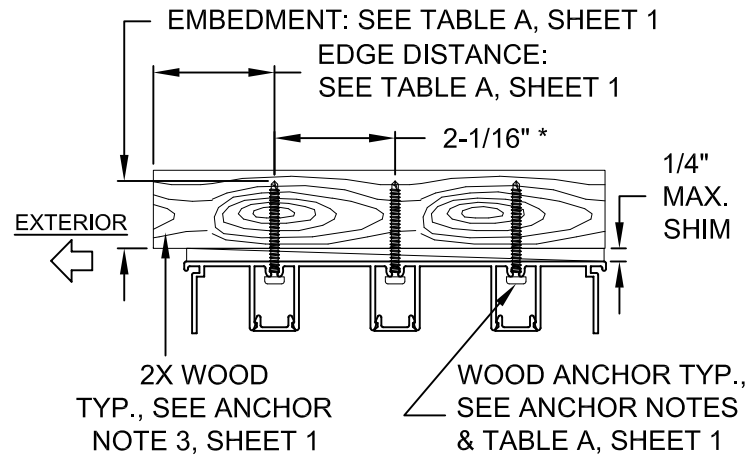




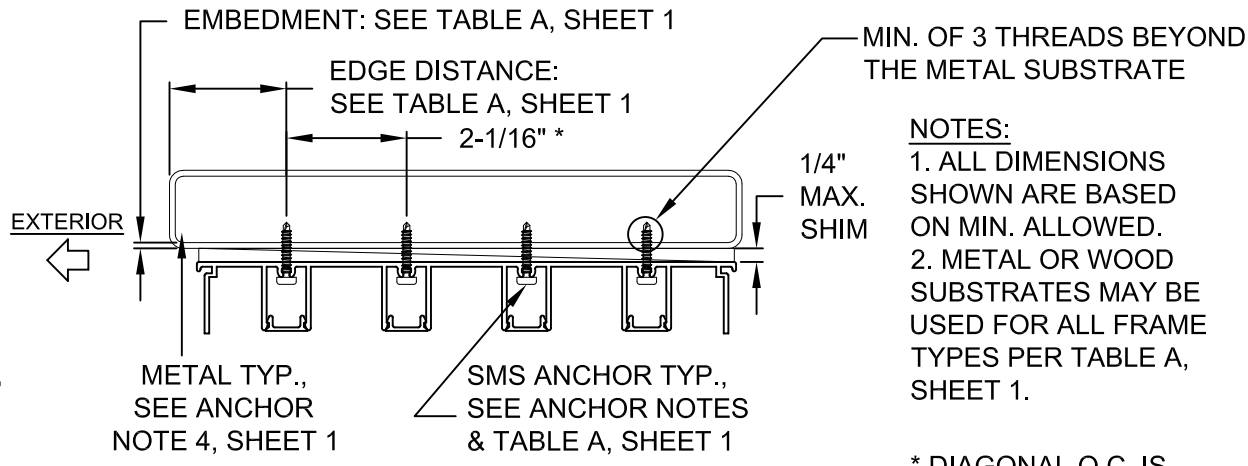
INSTALLATION DETAILS



DET Aw 2-TRACK FRAME HEAD WOOD INSTALLATION

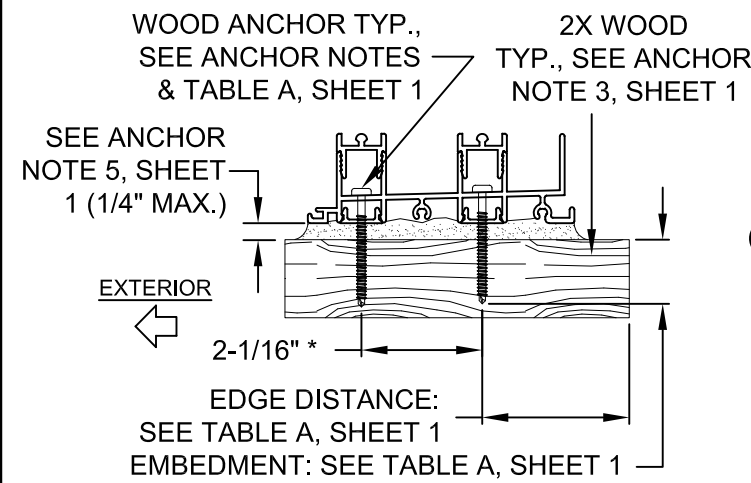


DET Bw 3-TRACK FRAME HEAD WOOD INSTALLATION

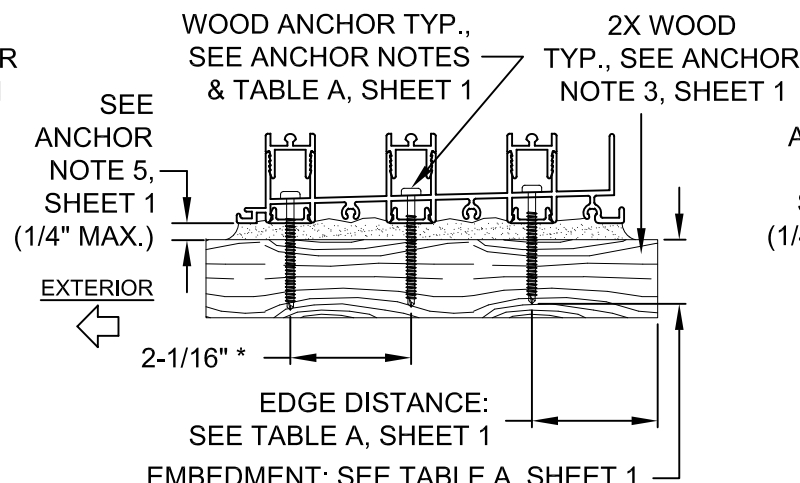


DET Cw 4-TRACK FRAME HEAD METAL INSTALLATION

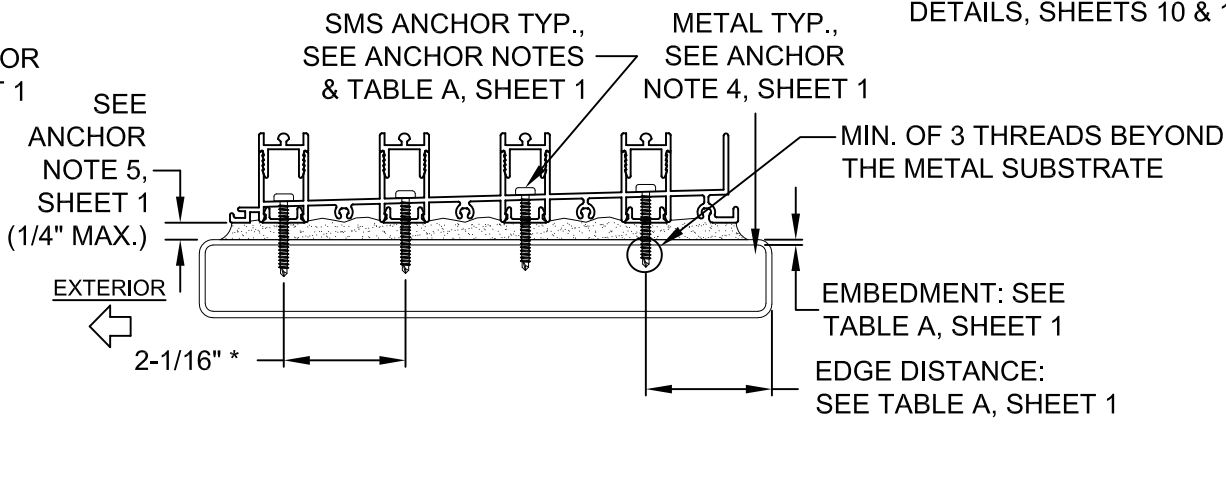
NOTES:  
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.  
2. METAL OR WOOD SUBSTRATES MAY BE USED FOR ALL FRAME TYPES PER TABLE A, SHEET 1.  
  
\* DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 10 & 11.



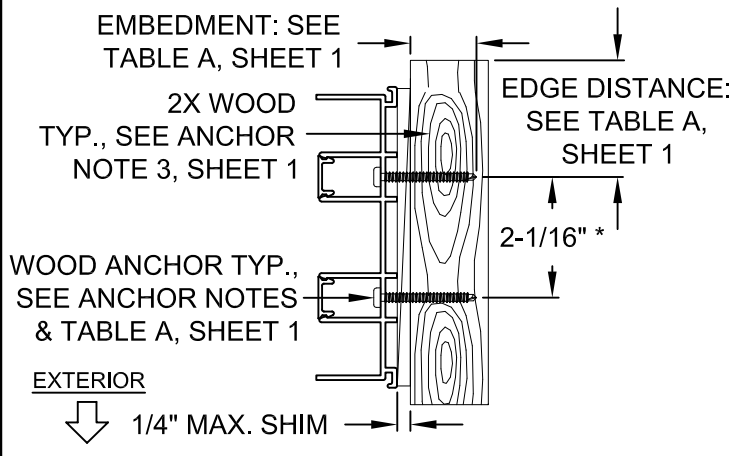
DET Dw 2-TRACK FRAME SILL WOOD INSTALLATION



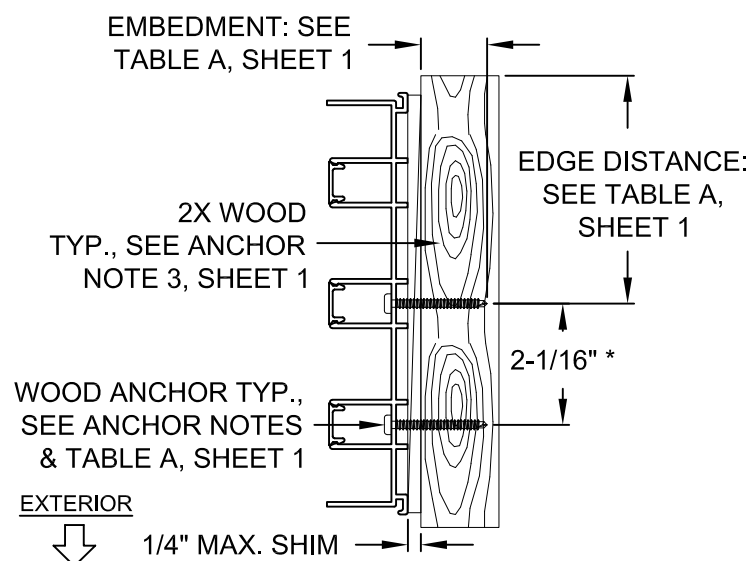
DET Ew 3-TRACK FRAME SILL WOOD INSTALLATION



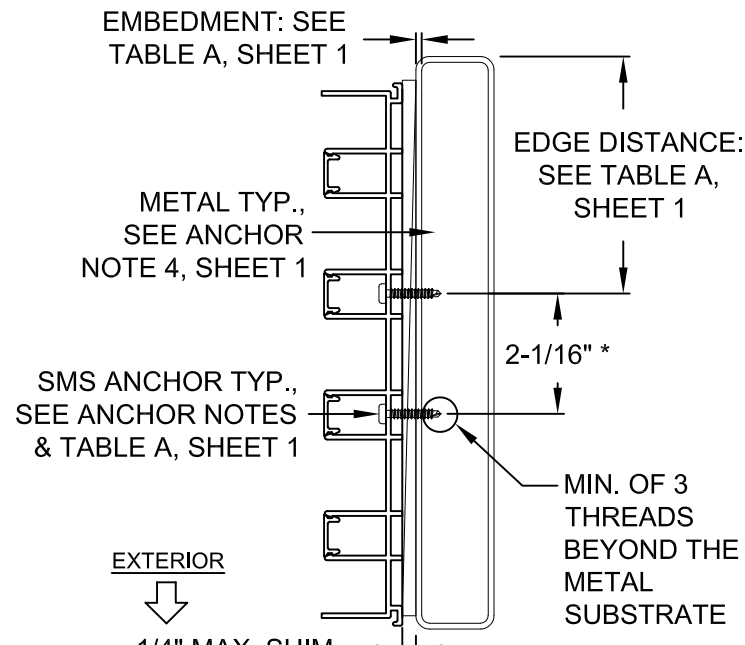
DET Fw 4-TRACK FRAME SILL METAL INSTALLATION



DET Gw 2-TRACK FRAME JAMB WOOD INSTALLATION



DET Hw 3-TRACK FRAME JAMB WOOD INSTALLATION

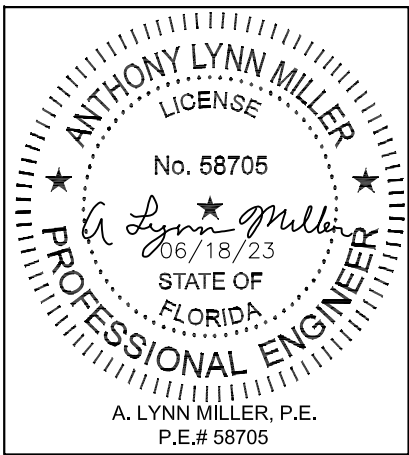


DET Iw 4-TRACK FRAME JAMB METAL INSTALLATION

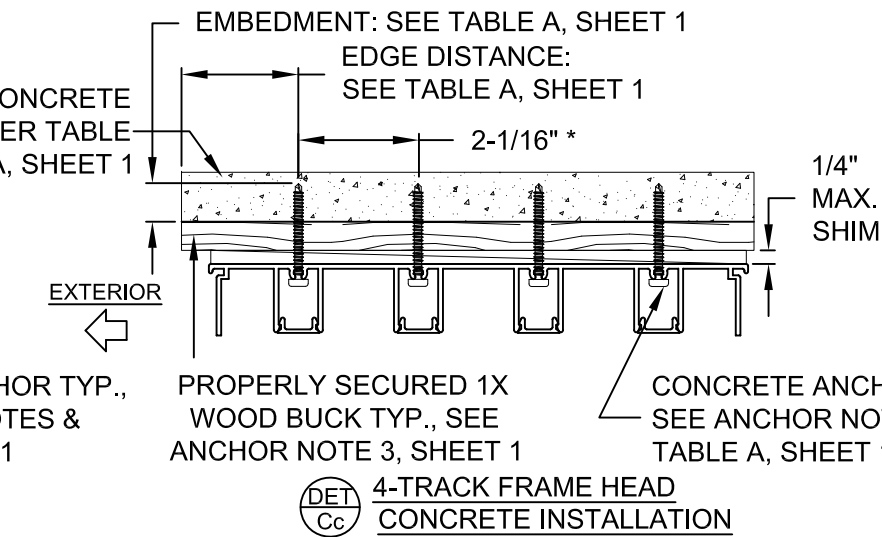
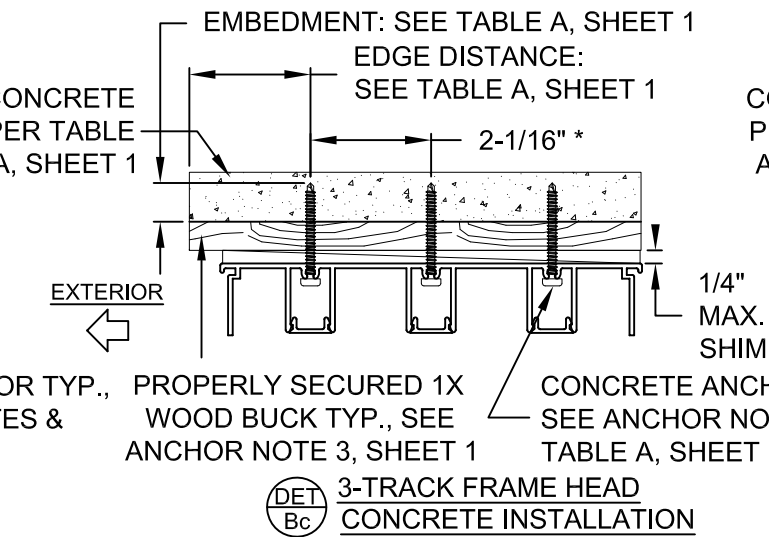
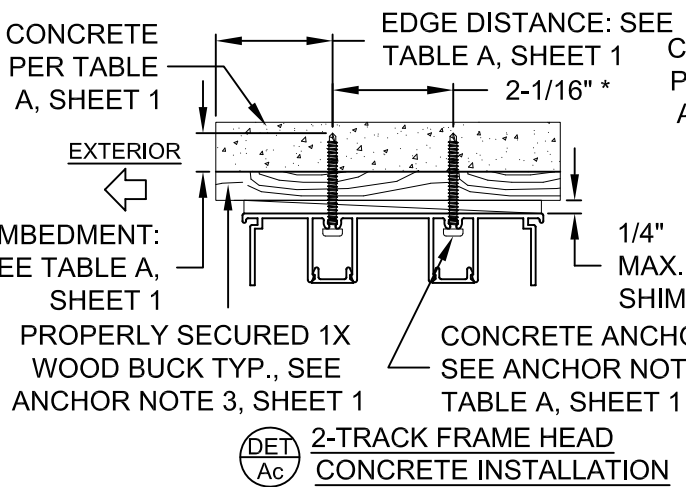
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NOA-No. 23-0710.03  
Expiration Date 04/07/2025  
By *Isaac I. Chandra*  
Miami-Dade Product Control

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	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
ALUMINUM SLIDING GLASS DOOR (NI)	ANCHORAGE DETAILS	12 OF 22	SGD670	Sheet	Title

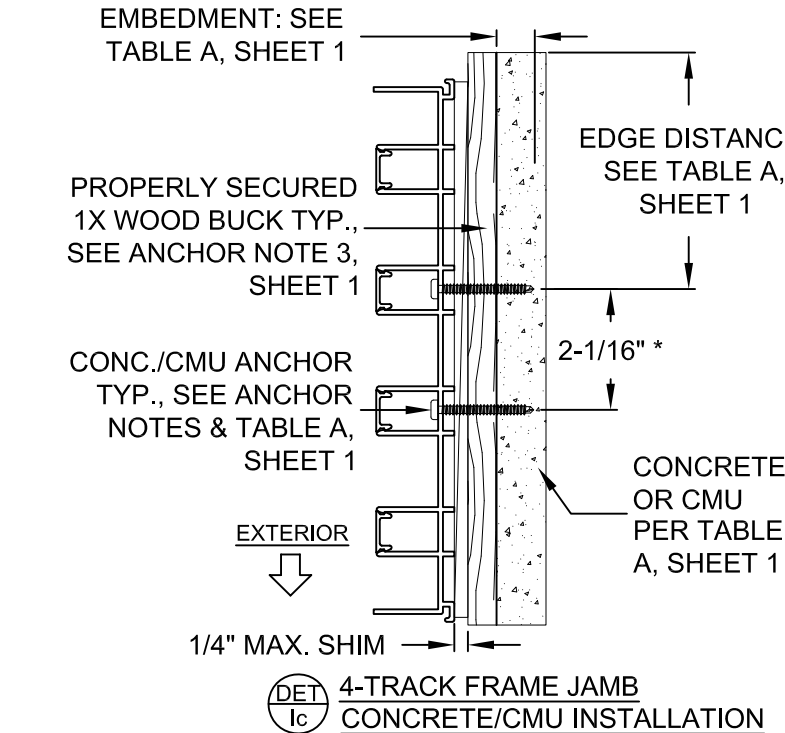
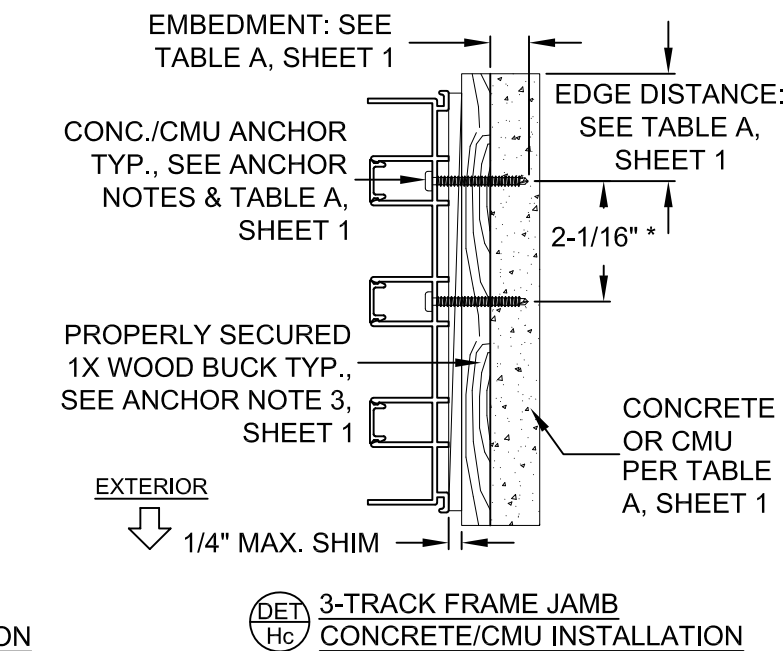
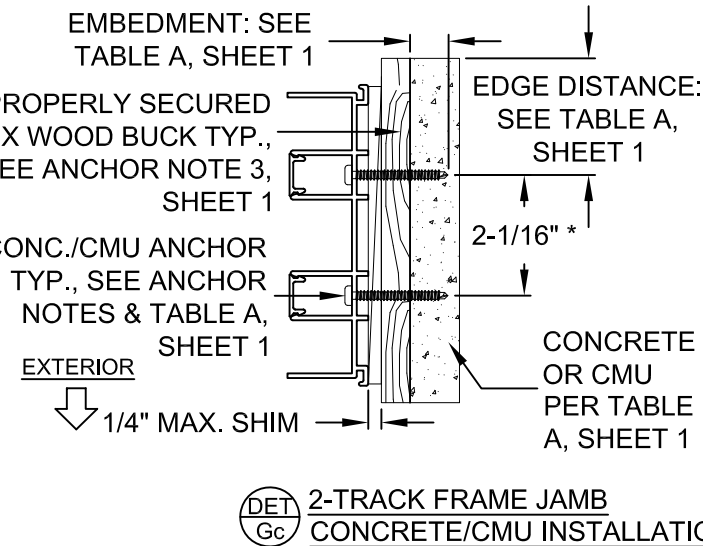
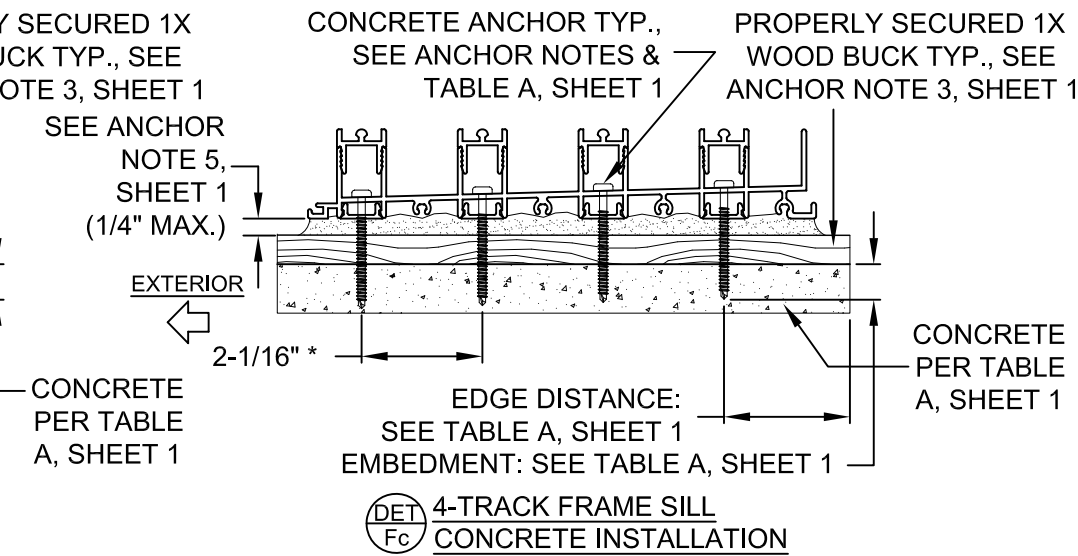
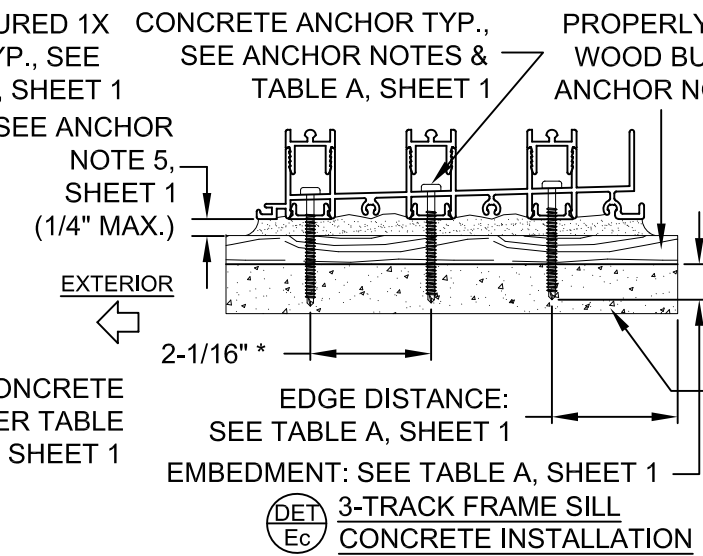
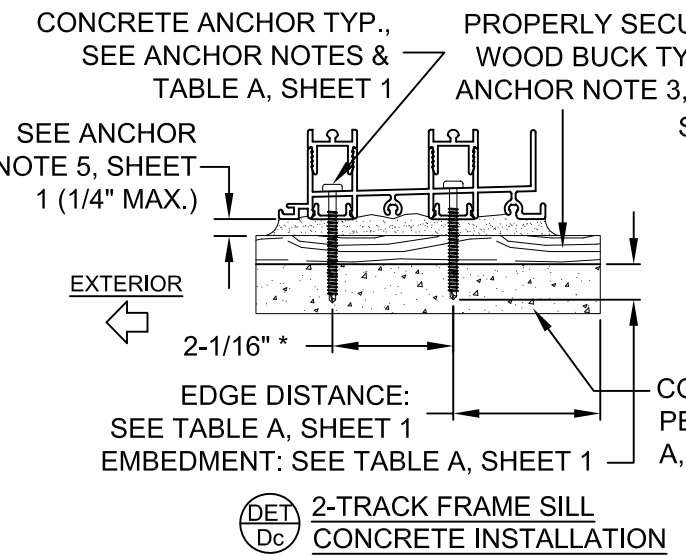


INSTALLATION DETAILS



NOTES:  
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.

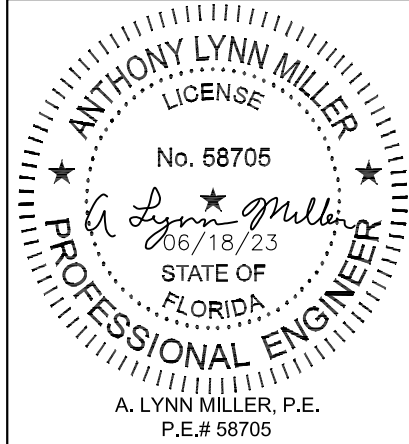
\* DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 10 & 11.



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Miami-Dade Product Control

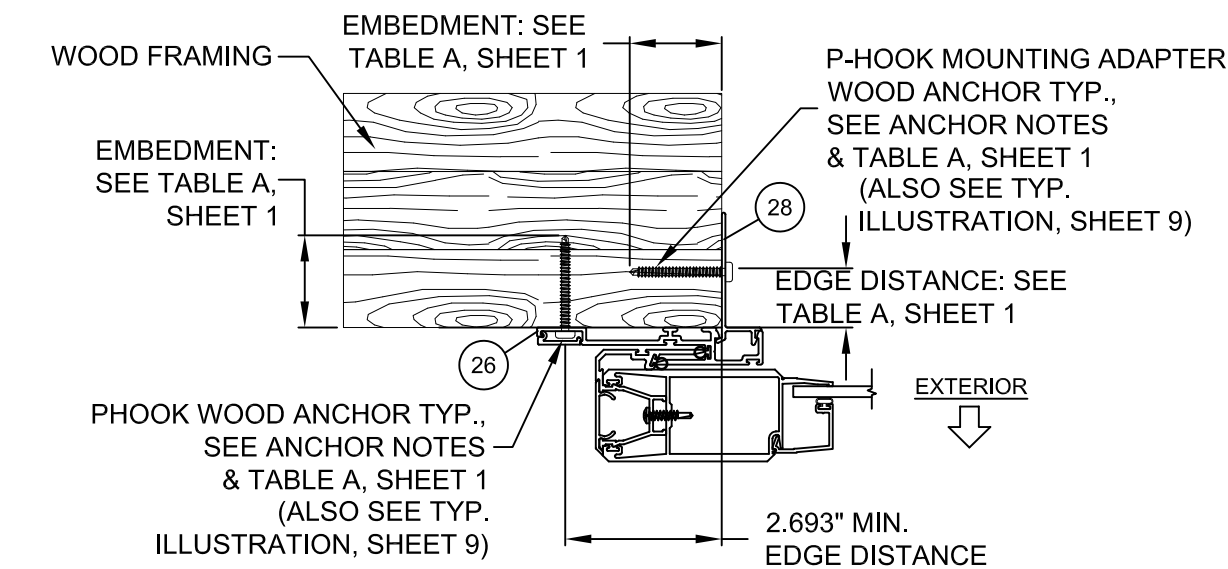
UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.  
JR - 06/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	ANCHORAGE DETAILS	13 OF 22	SGD670	Sheet



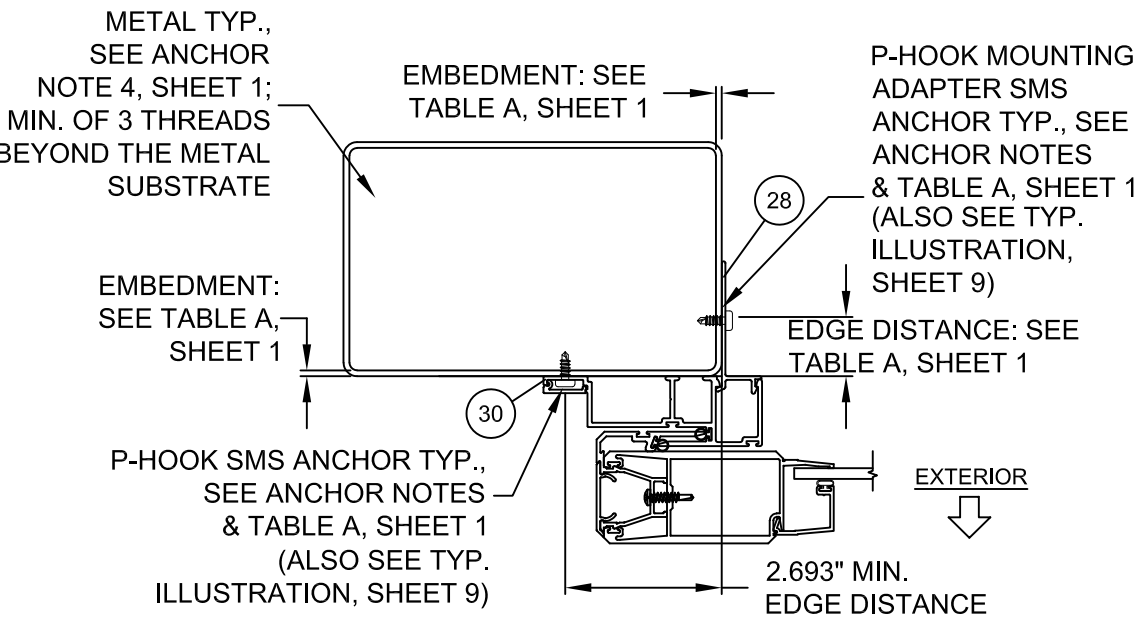


INSTALLATION DETAILS



**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)

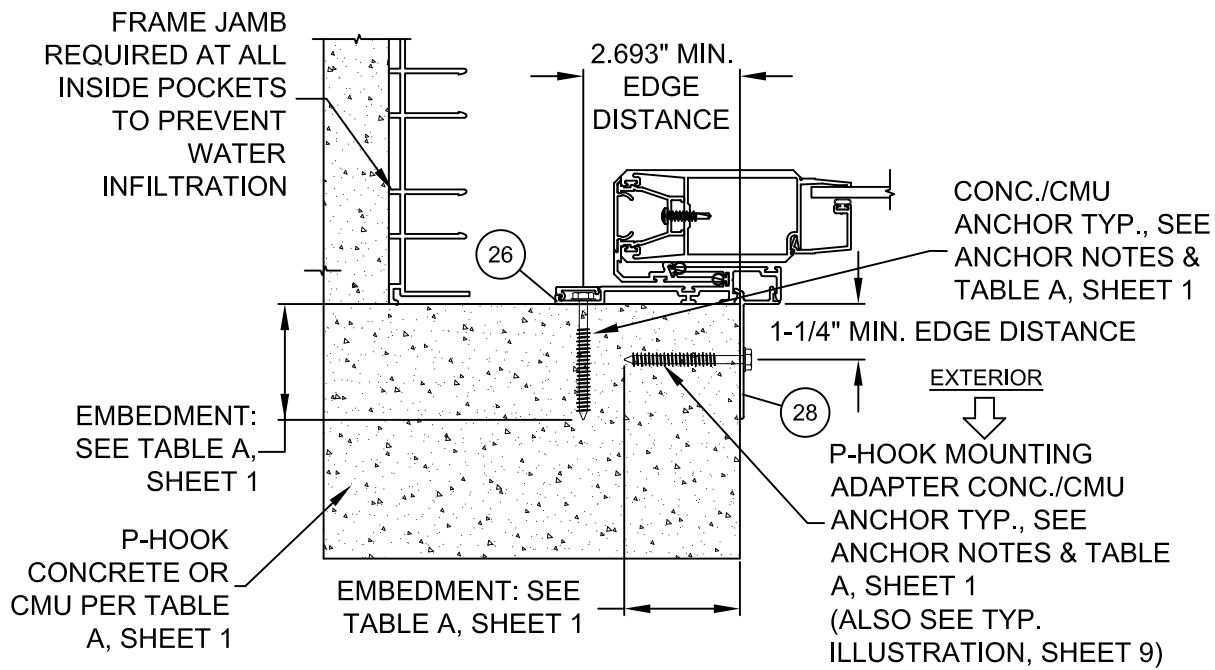
EXTERIOR MOUNT SHOWN,  
MAY ALSO BE INSTALLED IN  
INTERIOR CONDITION



**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)

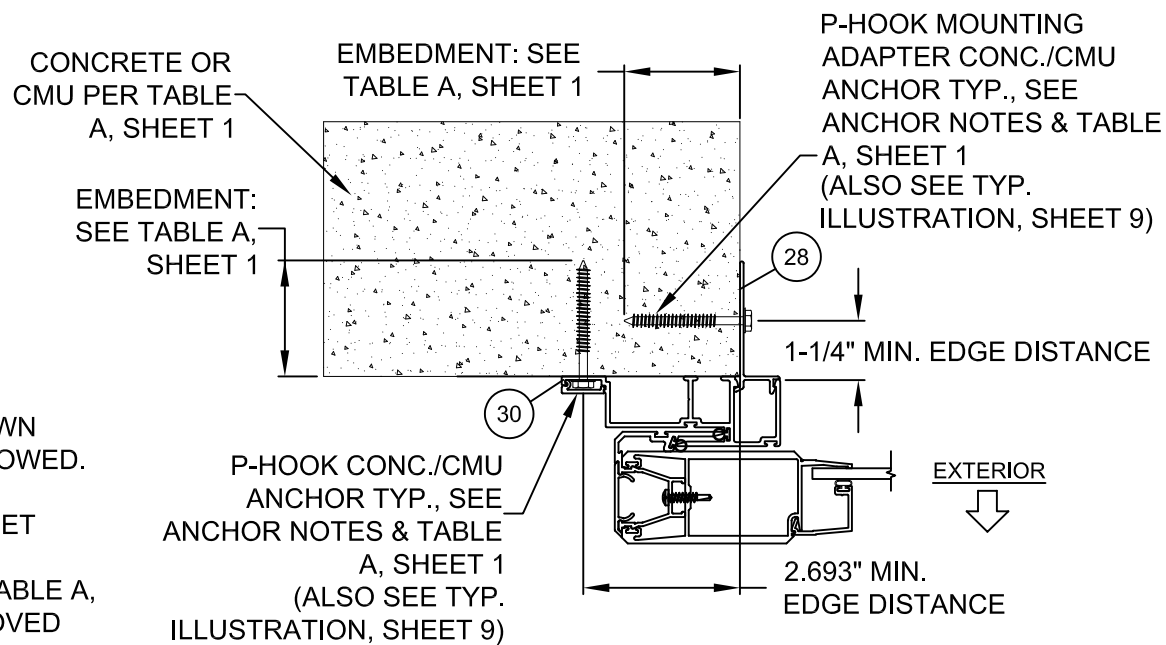
EXTERIOR MOUNT ONLY

- 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



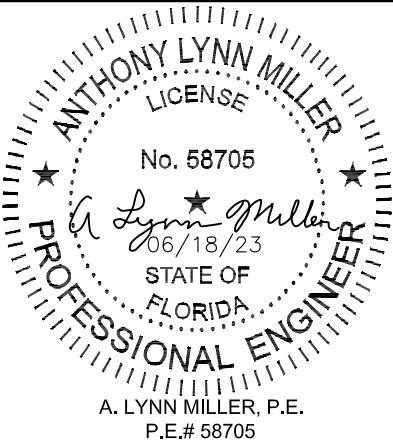
**DET Kc** P-HOOK FOR USE WITH BOX SILL RISERS  
PARTS #19, #21, #23 OR #25,  
CONCRETE INSTALLATION  
(SEE TABLES 1A, 2A & 3A FOR WATER RATINGS)

EXTERIOR MOUNT ONLY

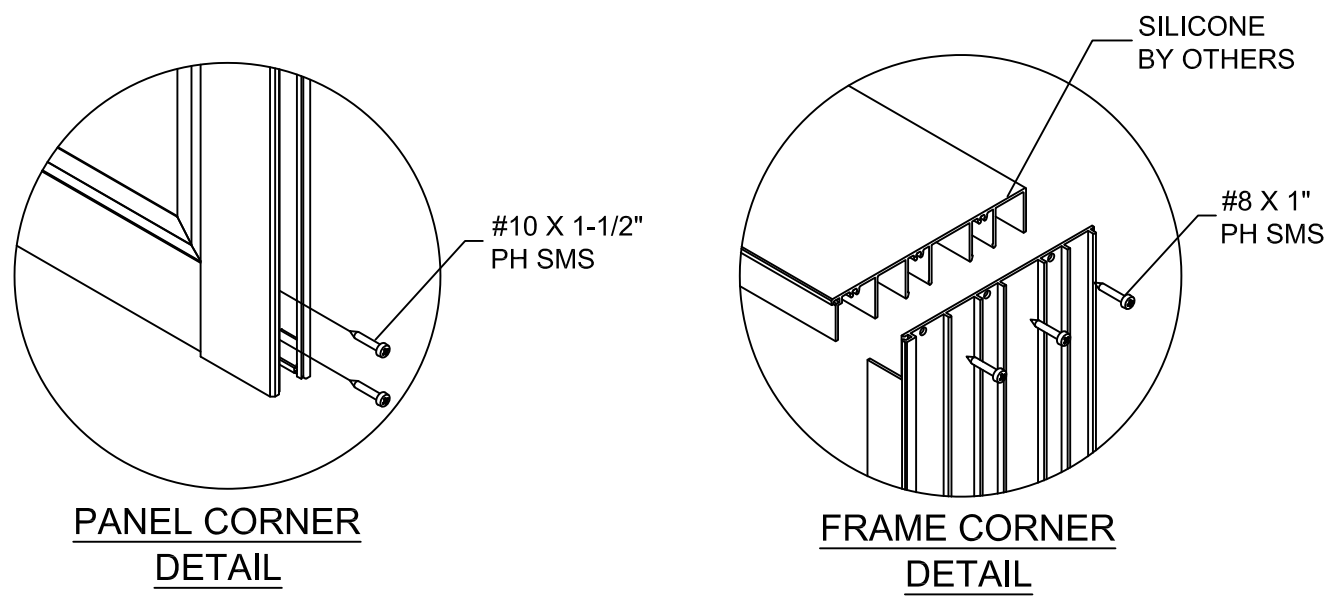
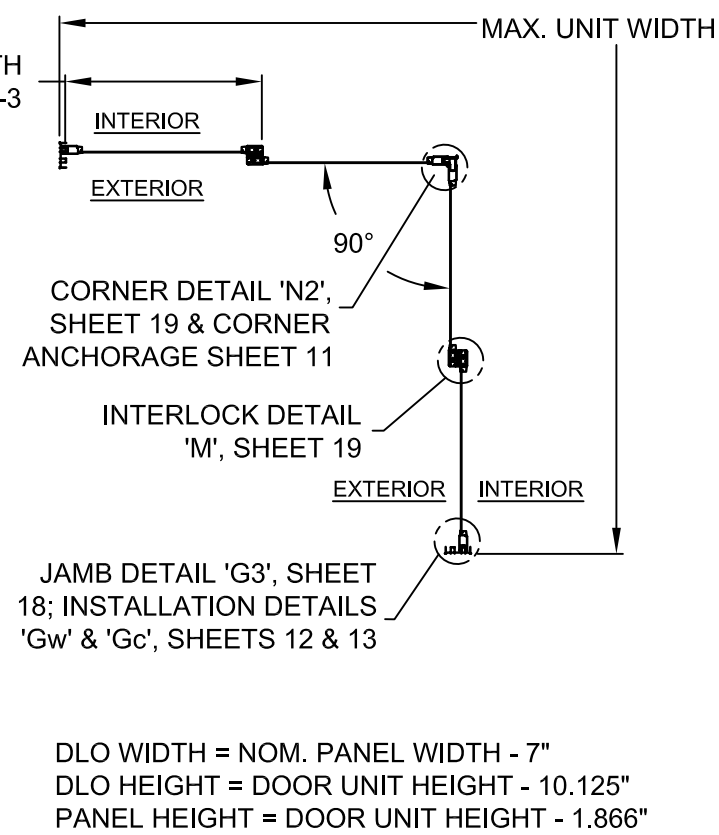
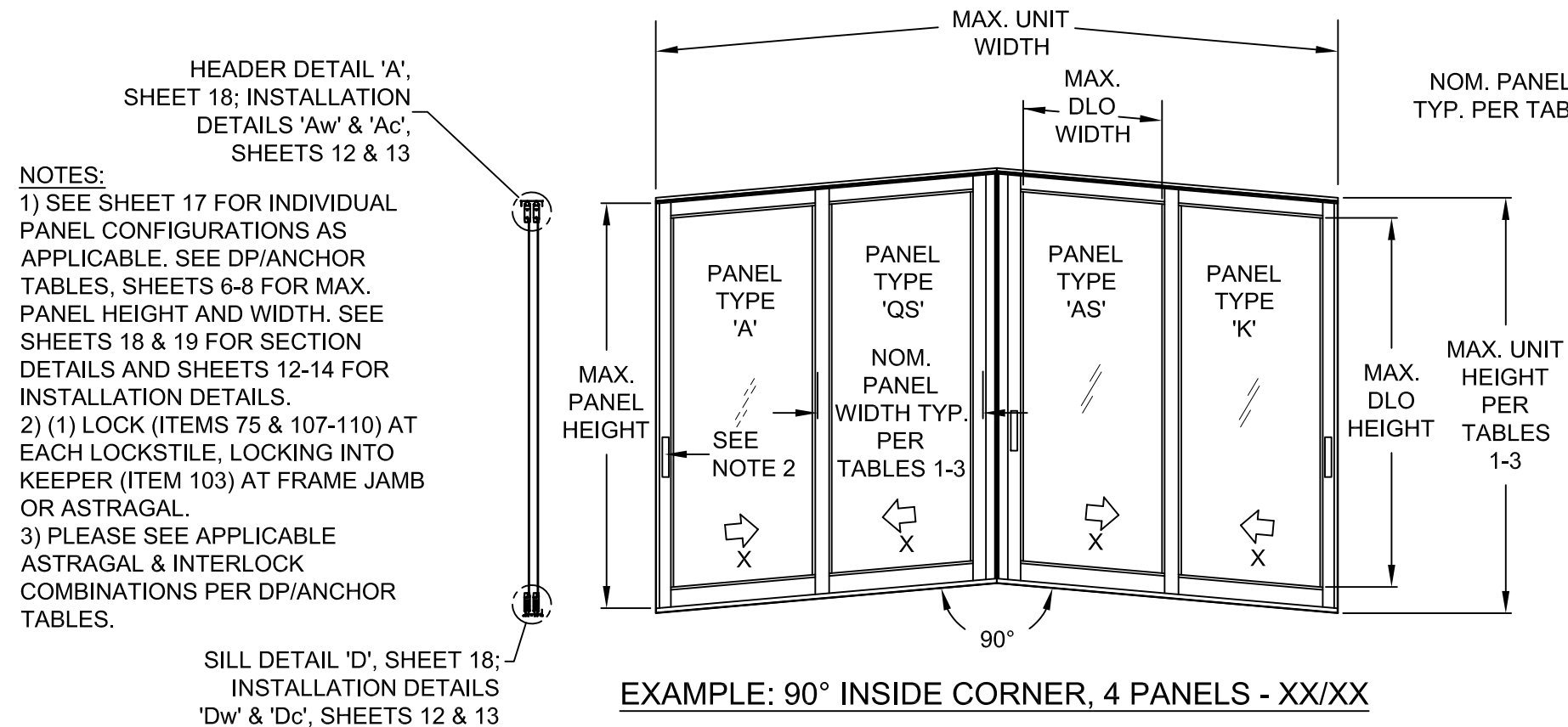
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Expiration Date 04/07/2025  
By *Isaac L. Chandra*  
Miami-Dade Product Control

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	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	14 OF 22	ANCHORAGE DETAILS	SGD670	Series




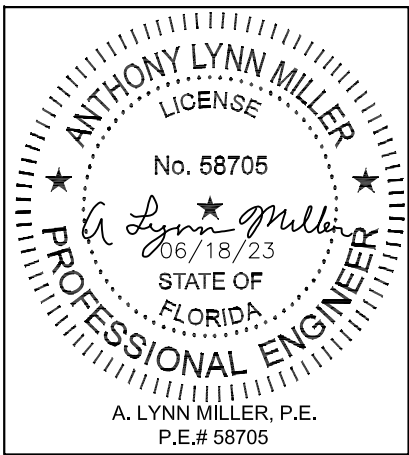
CONFIG. EXAMPLES



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

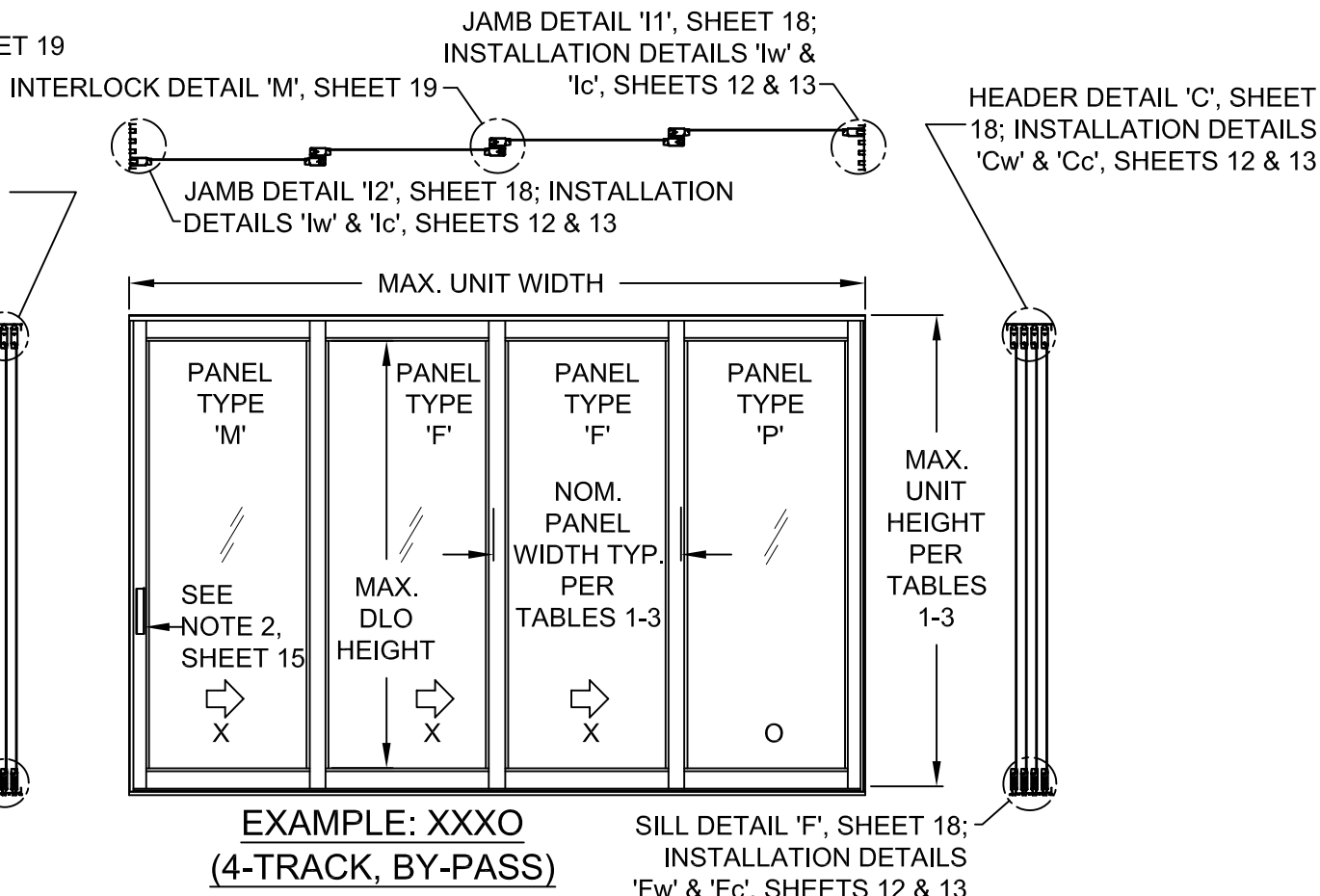
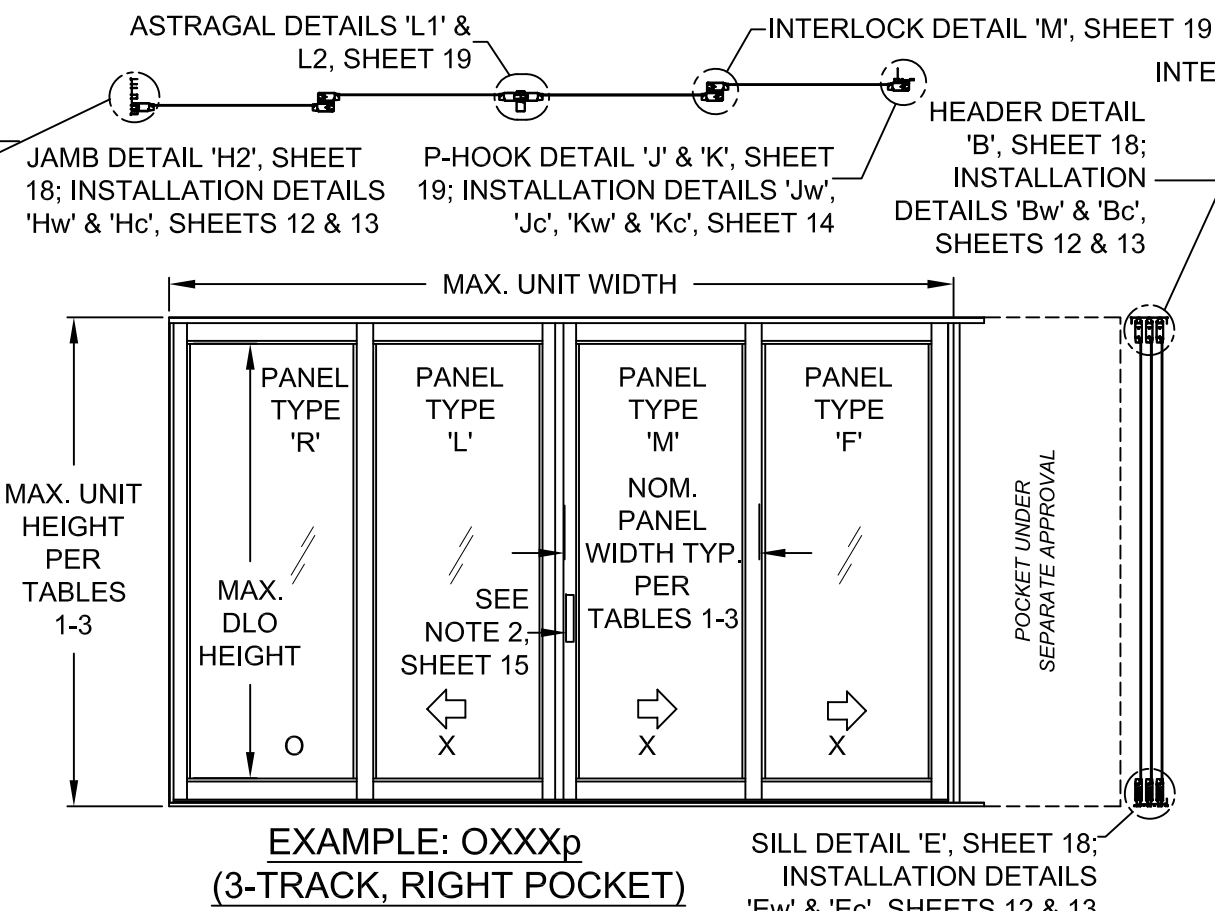
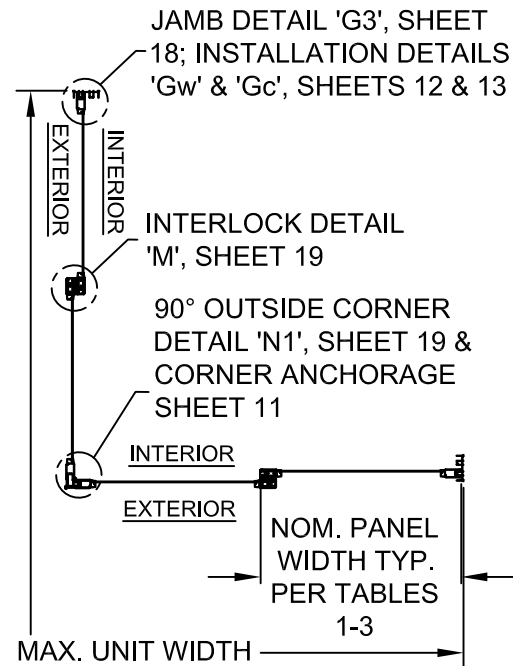
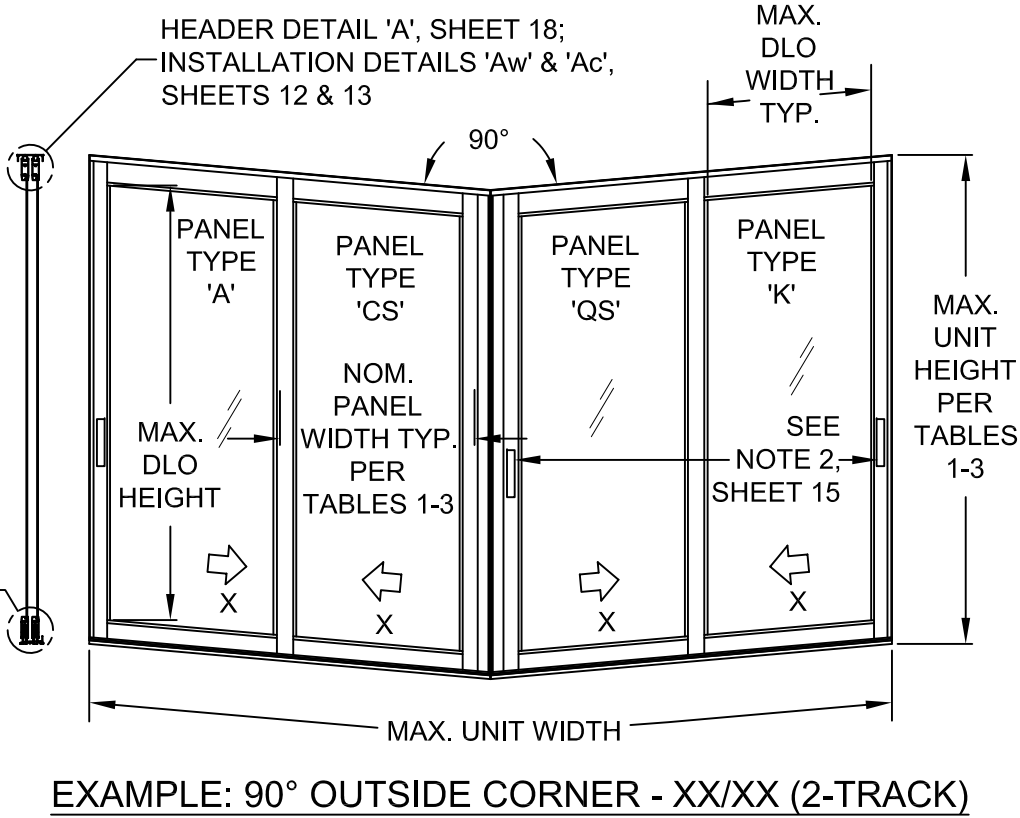
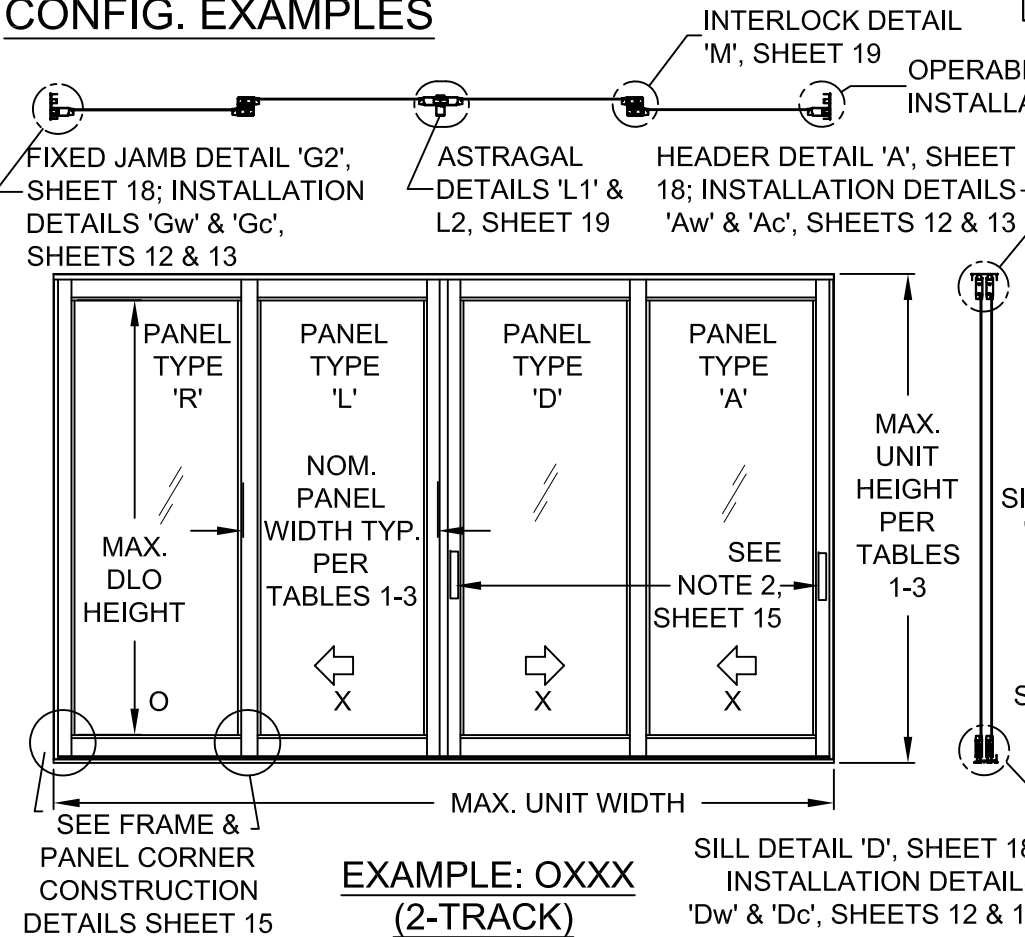
Revision: UPDATED TO 2023 FBC, REFORMATED TITLE BLOCK & LAYOUT.  
JR - 06/06/23

 Custom Windows and Doors		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		
		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				
Title	ALUMINUM SLIDING GLASS DOOR (NI)				Date	06/06/23
Series Desc.		EXAMPLE ELAVATION		Drawn By	JENS ROSOWSKI	
Sheet		15 OF 22		DWG No.	PGT0128	
Series		SGD670		Rev.		E



CONFIG. EXAMPLES

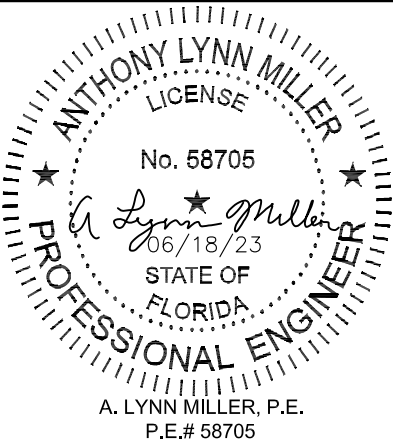
FOR ALL DETAILS ON THIS SHEET, SEE NOTES ON SHEET 15



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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	E
<b>PGT</b> Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	EXAMPLE ELEVATION	SGD670	16 OF 22





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).

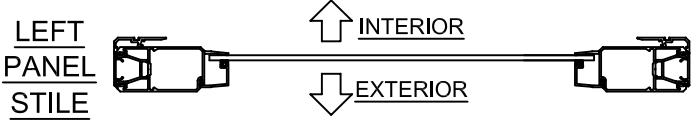
**SILL RISERS OPTIONS**

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

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

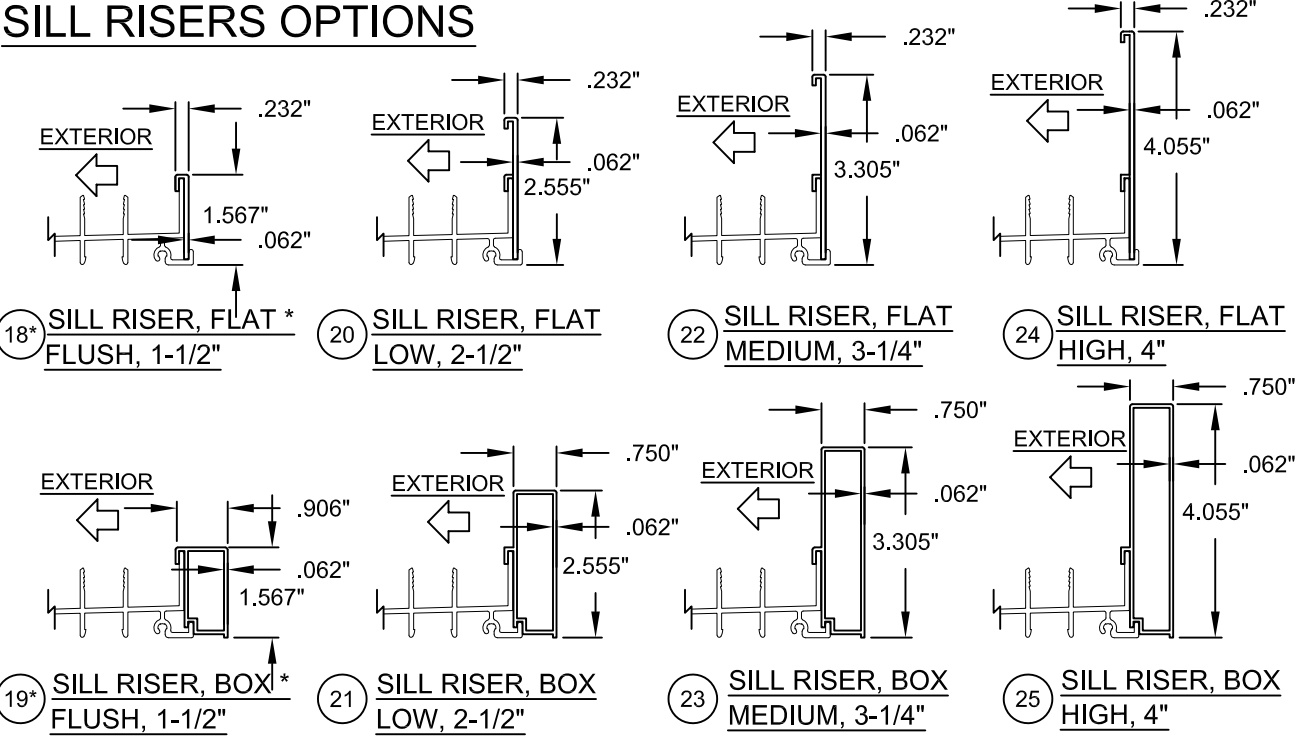
22 SILL RISER, FLAT MEDIUM, 3-1/4"

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).

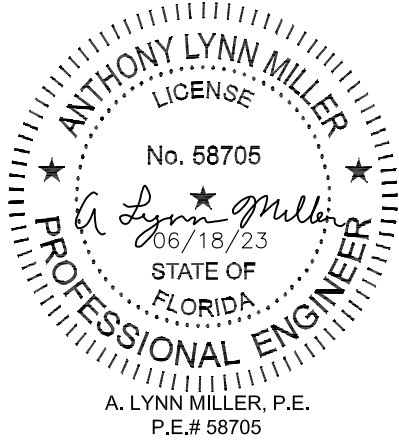


\* NOT VALID FOR WATER INFILTRATION RESISTANCE REQUIREMENTS, SEE SHEETS 6-8

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Miami-Dade Product Control

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JR - 06/06/23

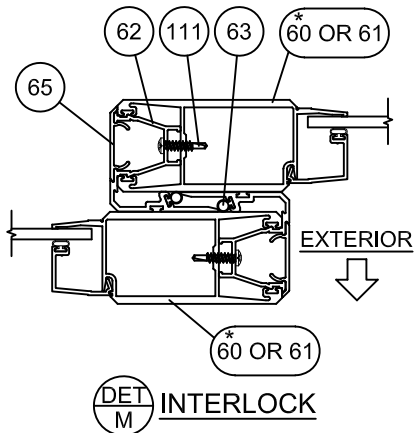
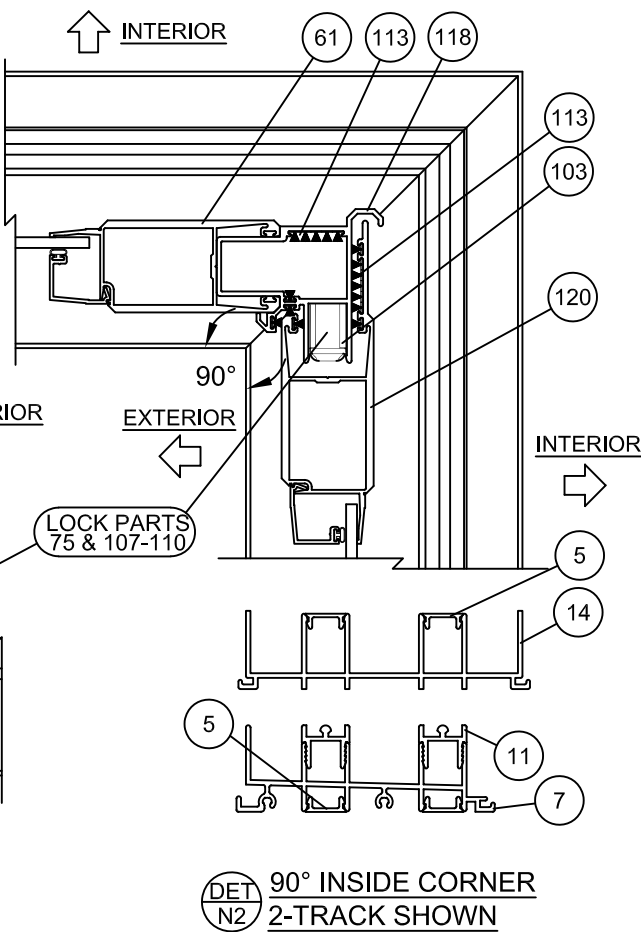
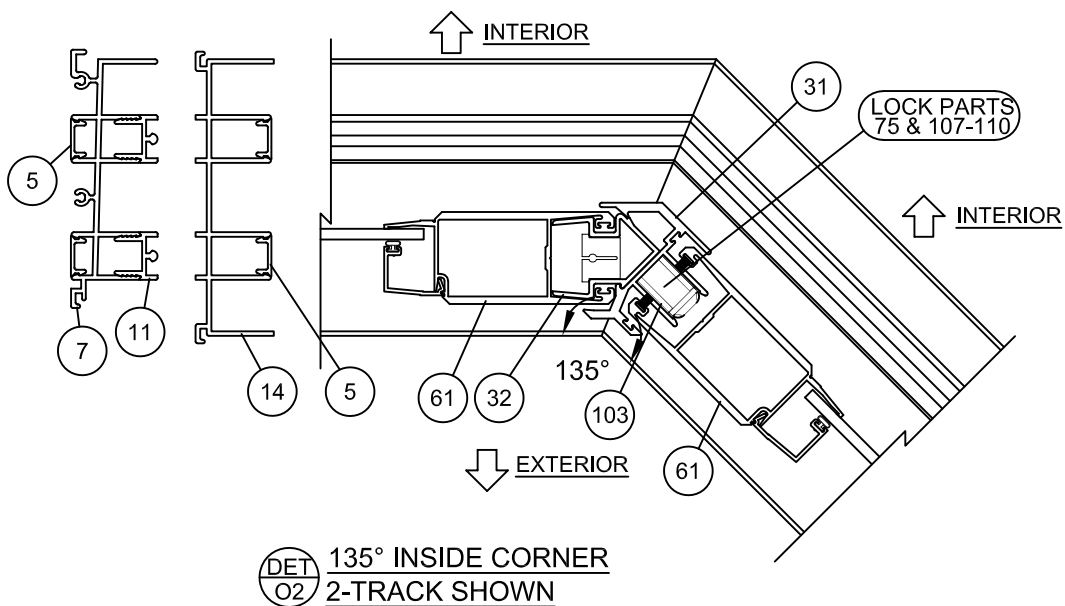
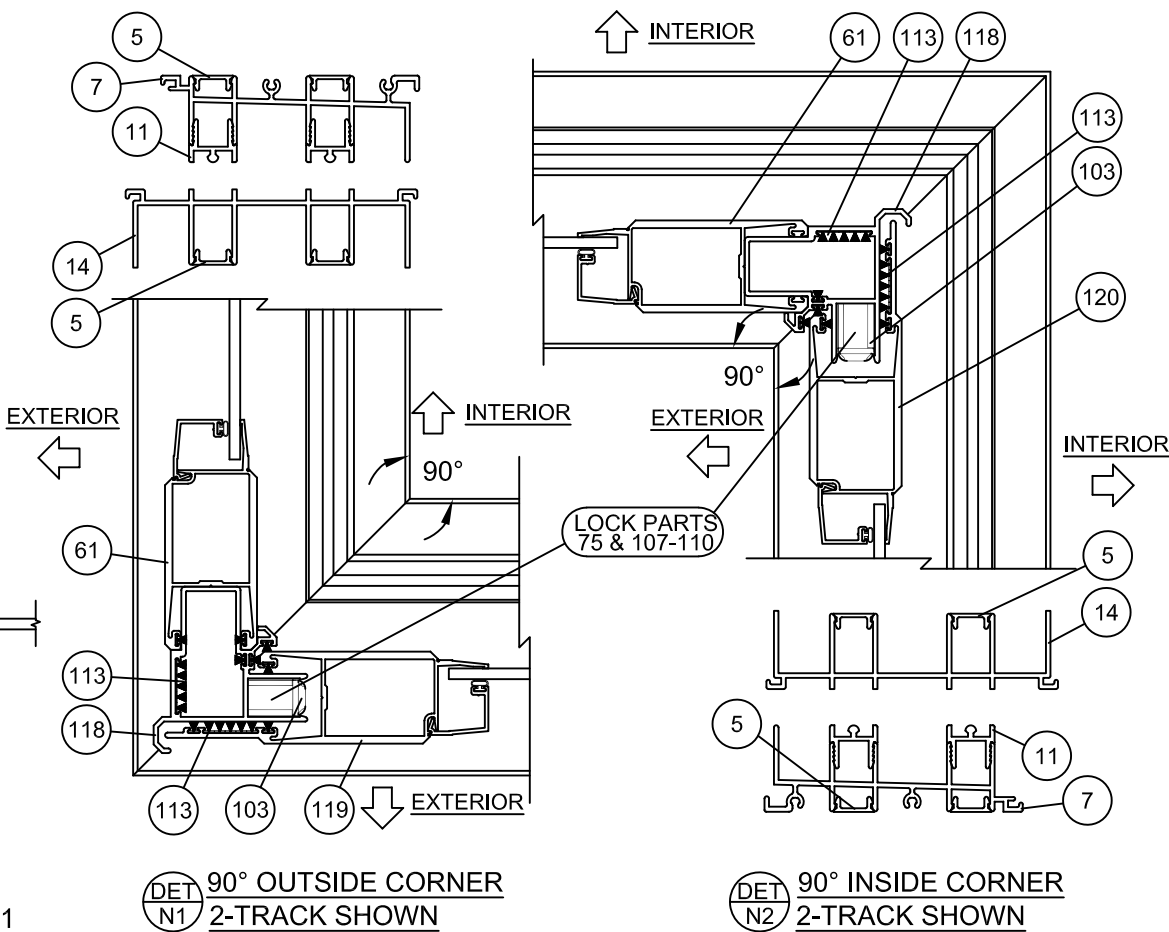
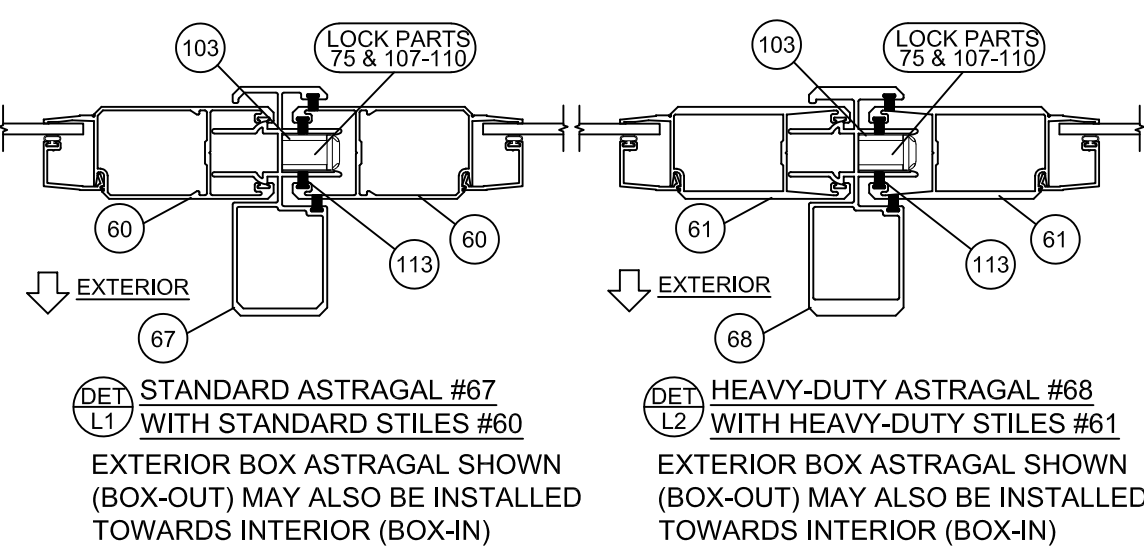
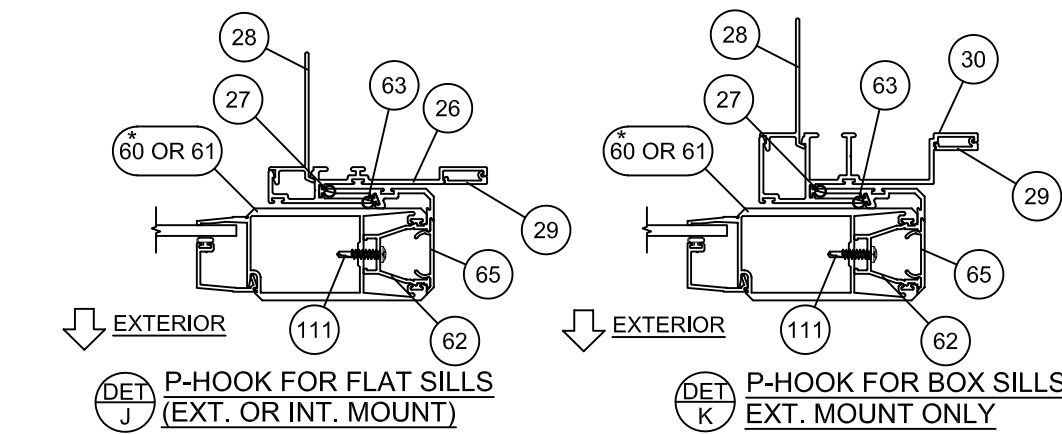
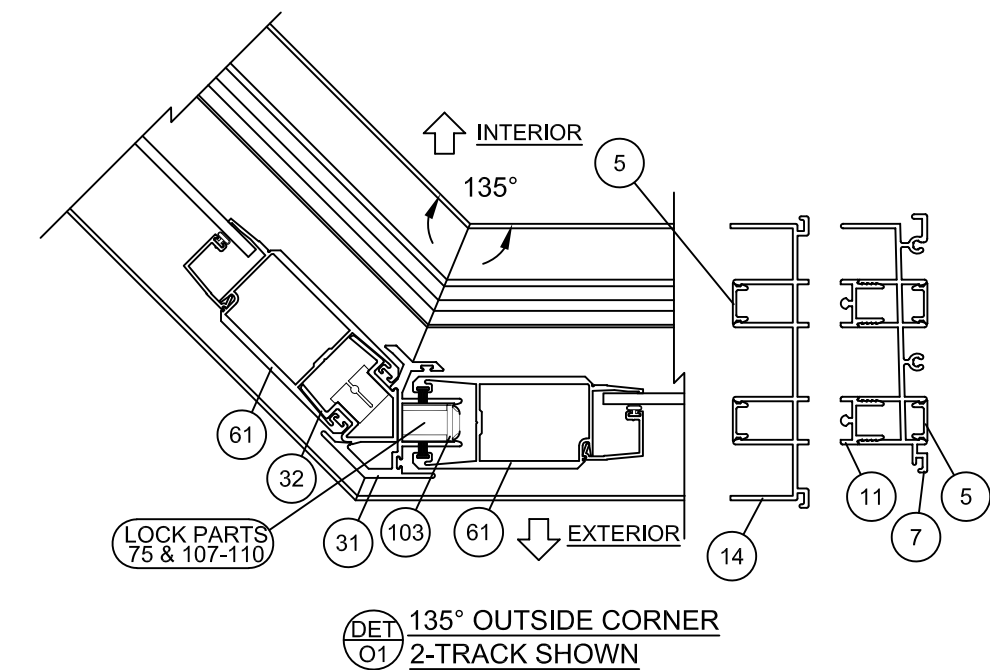
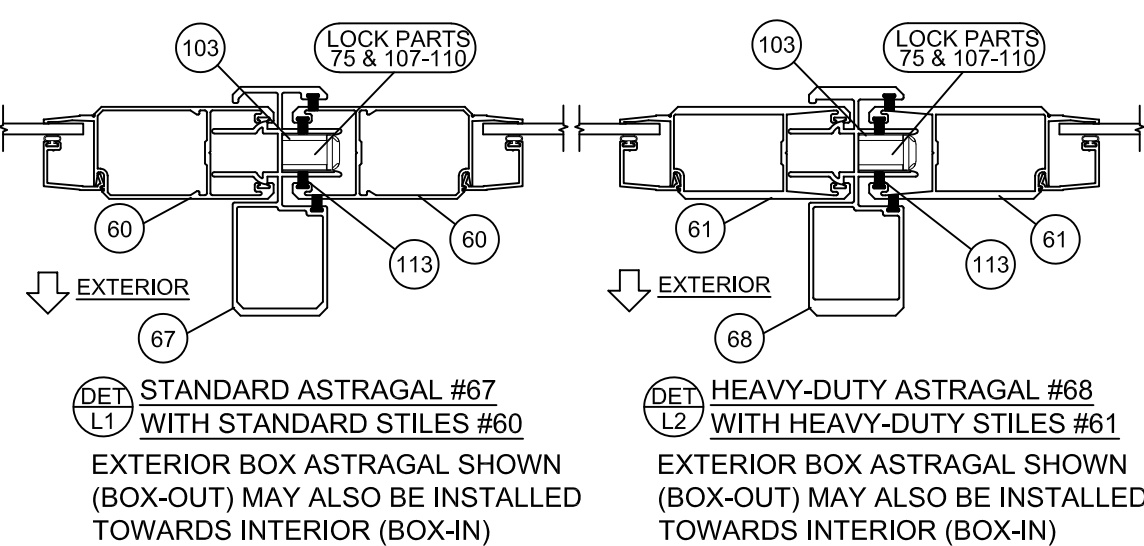
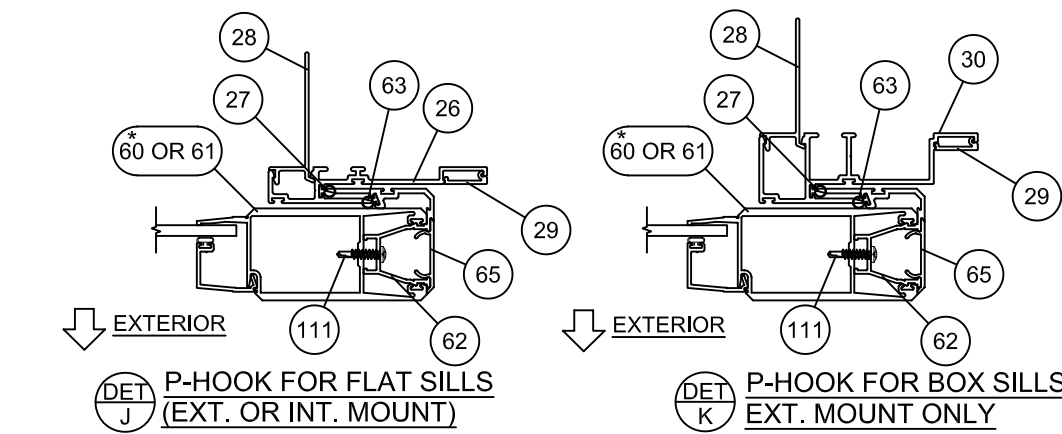
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
ALUMINUM SLIDING GLASS DOOR (NI)	PANEL TYPES	SGD670	17 OF 22	No.	DWC





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.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 23-0710.03  
Expiration Date 04/07/2025  
By *Ishaq I. Chande*  
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	REGISTRATION #29296	06/06/23	JENS ROSOWSKI	PGT0128	E
ALUMINUM SLIDING GLASS DOOR (NI)	HORIZONTAL SECTION DETAILS	SGD670	19 OF 22	DWG	No.
Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	HORIZONTAL SECTION DETAILS	SGD670	19 OF 22	DWG

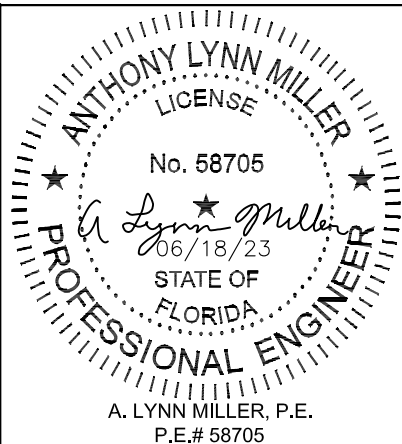




TABLE 4:

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 SCREEN 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	17376	617376	135 CORNER
32	17378	617378	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
47	668	7SRAX	STANDARD ROLLER
48	668	7SRAX	STANDARD ROLLER - ST. STL.

TABLE 5:

Material	Min. F <sub>y</sub>	Min. F <sub>u</sub>
#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
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
78	17358	617358	3/16 & 1/4" BEAD
79	17357	617357	1" IG BEAD
80	17359	617359	7/16" BEAD / FIXED PANEL CLIP
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, USED WITH #75
108	1740	71740	HANDLE KIT - RAISED EXTERIOR HANDLE, USED WITH #75
109	1731	78162SN	HANDLE KIT - RECESSED INT. WITH THUMB TURN, USED WITH #75
110	1732	78178	HANDLE KIT - RECESSED EXTERIOR PULL, USED WITH #75
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, 81, 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.

PGT

Custom Windows and Doors

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

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

REGISTRATION #29296

ALUMINUM SLIDING GLASS DOOR (NI)

06/06/23

06/06/23

By

JENS ROSOWSKI

Drawn

20 OF 22

SGD670

PGT0128

E

Rev.

No.

DWG

Sheet

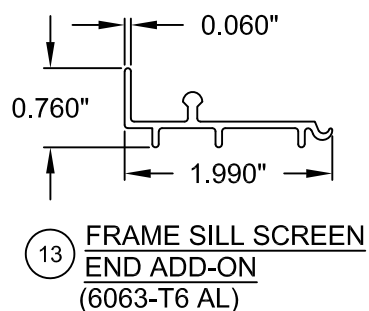
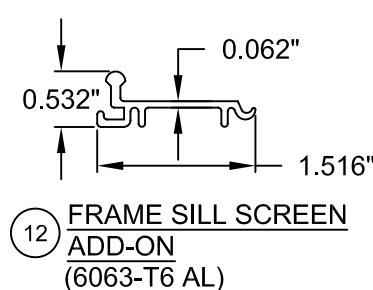
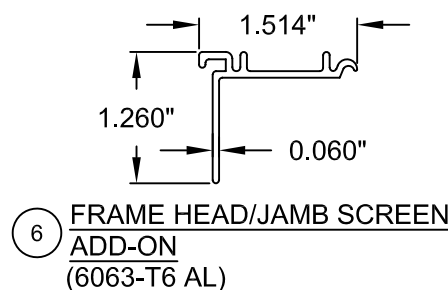
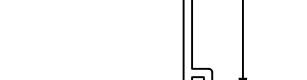
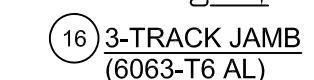
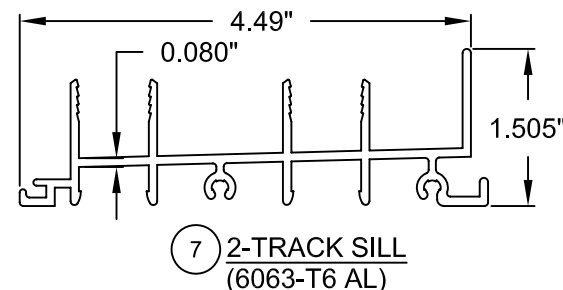
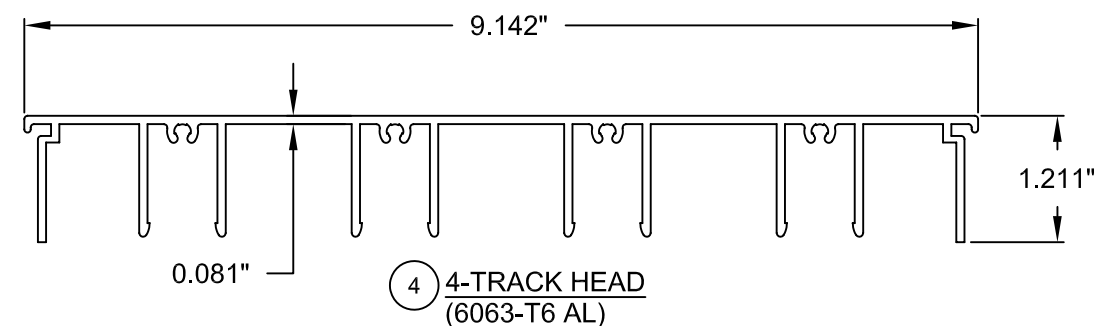
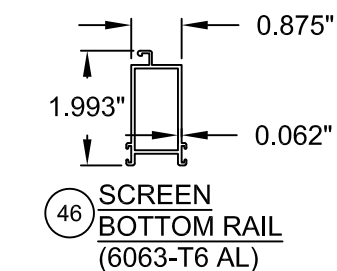
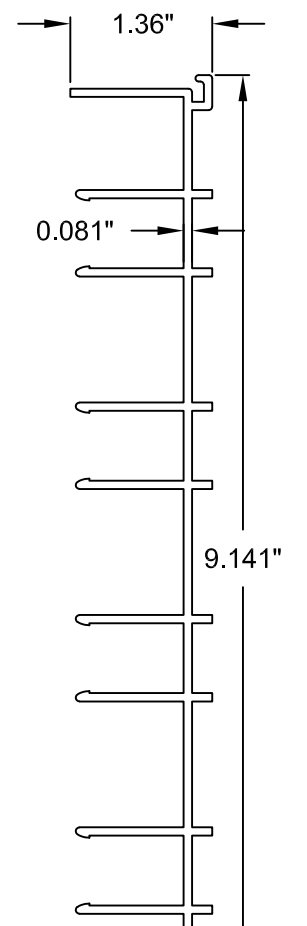
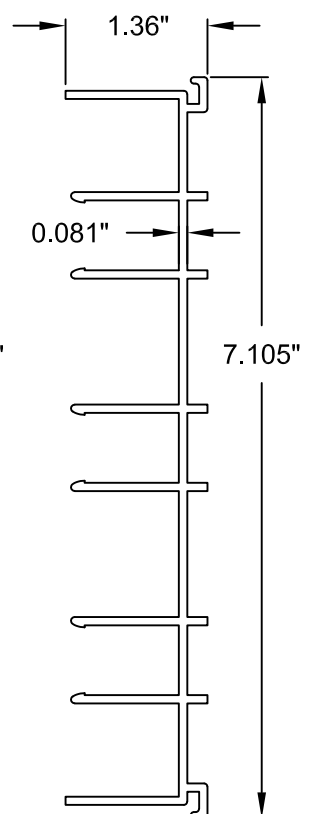
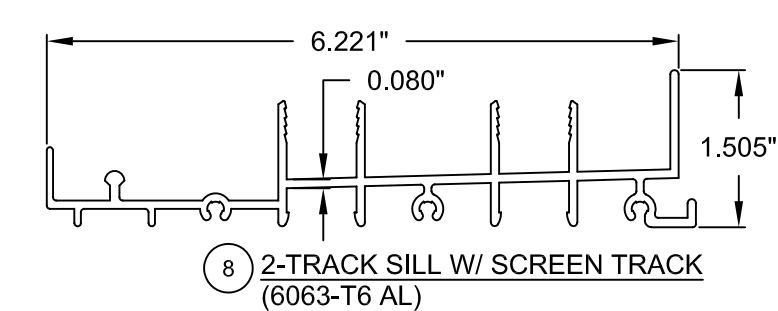
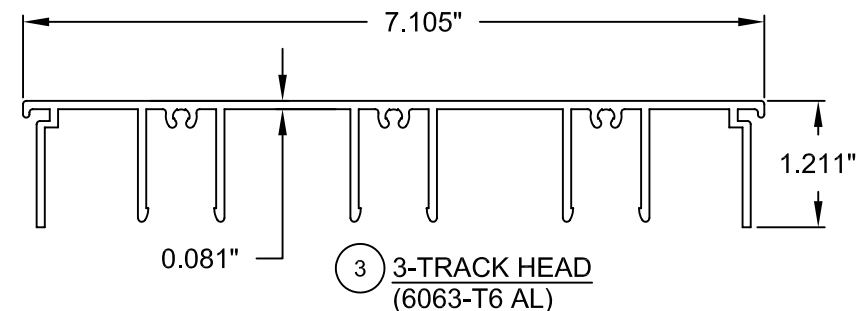
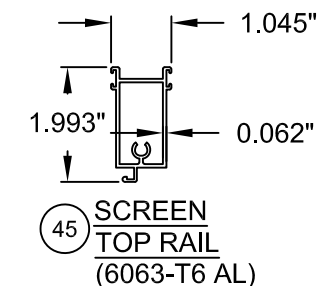
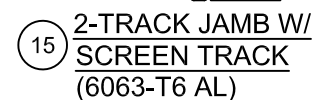
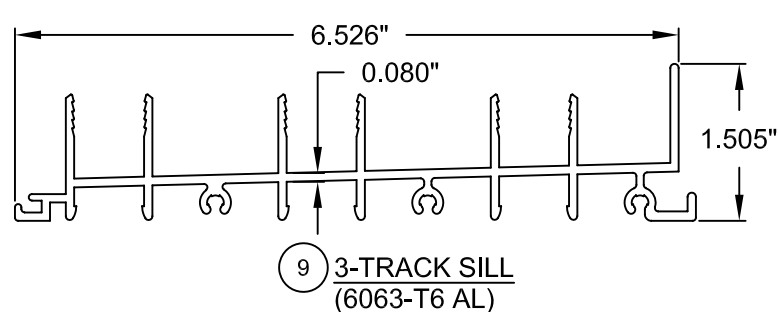
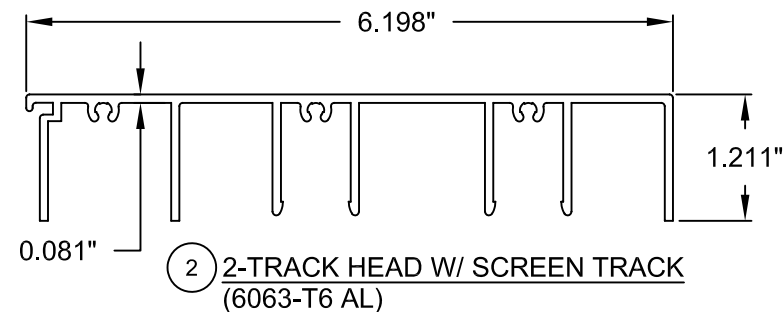
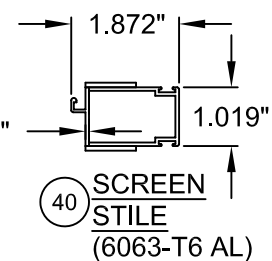
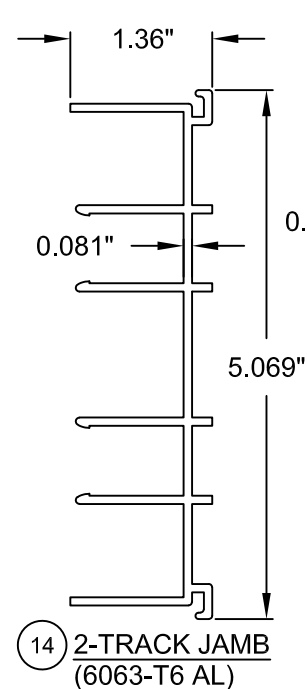
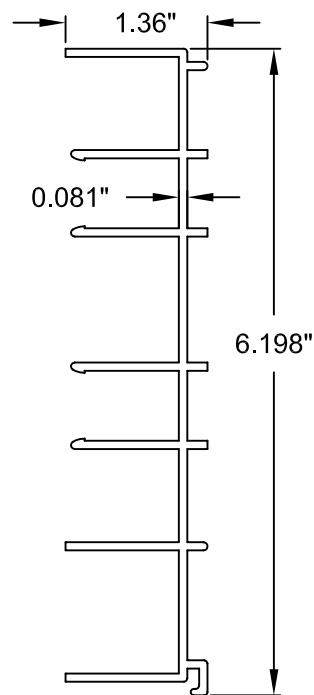
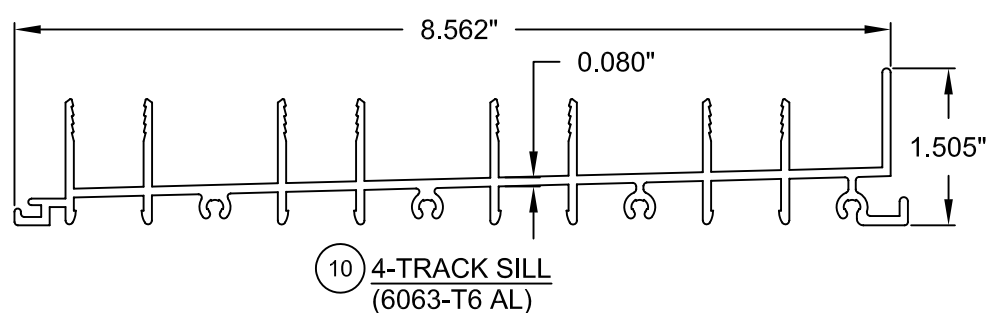
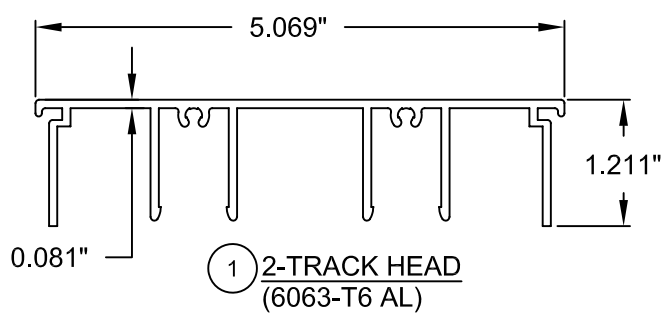
Series

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as complying with the Florida Building Code  
NOA-No. 23-0710.03  
Expiration Date 04/07/2025  
By *Isaac I. Chanda*  
Miami-Dade Product Control

Revision:

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

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



SEE SHEET 17 FOR SILL RISERS.

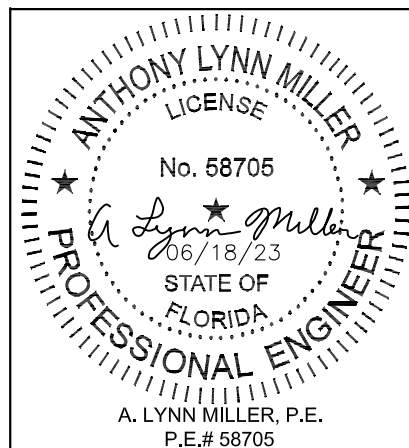
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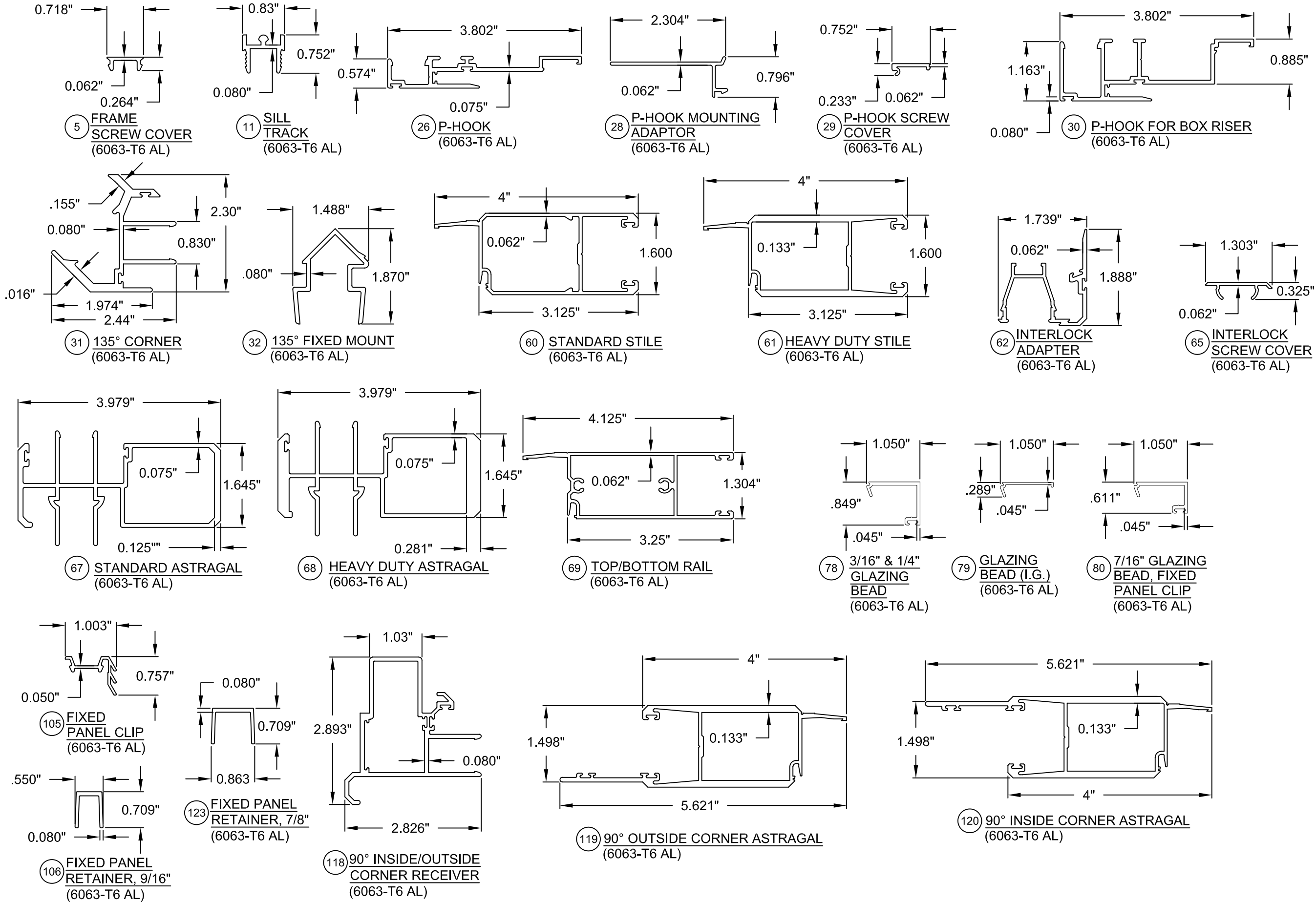
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PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	06/06/23	JENS ROSOWSKI	PGT0128	E
EXTRUSIONS	SGD670	21 OF 22	JENS ROSOWSKI	PGT0128	E





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PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUMINUM SLIDING GLASS DOOR (NI)	Date	By	DWC	22 OF 22
EXTRUSIONS	SGD670	Title	Desc.	Series	Sheet

