

SERIES FD450 IMPACT-RESISTANT, INSWING & OUTSWING,
FRENCH DOOR W/WO TRANSOM OR SIDELITES

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, (FBC), INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE A. 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 TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

5) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATIONS WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE DOOR.

6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS 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.

7) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS OF THE FBC, AS APPLICABLE. ALL CONFIGURATIONS SHOWN ARE AVAILABLE AS MULTIPLE PANELS. MAXIMUM OVERALL FRAME SQUARE FOOTAGE FOR VERTICAL, SELF-MULLING SYSTEMS IS 125 FT². FOR SYSTEMS USING A TRANSOM, SEE SHEET 4 FOR LIMITATIONS. FOR LARGER AREAS USE STRUCTURAL MULLIONS FROM SEPARATE APPROVAL. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

TABLE A:

Anchor Group	Anchor Type	Substrate	Anchor Location	Min. Embedment	Min. Edge Distance
A	1/4" DeWalt UltraCon+	Southern Pine (SG = 0.55)	Head & Jamb	1-3/8"	1"
		Hollow or Grout-filled CMU (ASTM C90)		1-1/4"	2-1/2"
		Concrete (min. 3.0 ksi)		1-1/4"	2-1/2"
	#14 Steel SMS (Gr. 5) (Min. of 3 threads beyond substrate.)	Aluminum, 6063-T5		1/8"	1"
		Steel, A36		0.071" (14 Ga)	1"
		Steel Stud, A653 Gr. 33		0.071" (14 Ga)	1"
B	1/4" DeWalt Ultracon+	Concrete (min. 3.0 ksi)	Head & Sill	1-3/4"	2-1/2"
C	5/16" DeWalt UltraCon	Concrete (min. 3.0 ksi)	ADA Sill (P# 9)	1-3/4"	3-1/8"
D	#14 Steel SMS (Gr. 5)	Southern Pine (SG = 0.55)	Sills (P# 5 or 10)	1-3/8"	1"

1) ALL ANCHOR HEAD TYPES ARE APPLICABLE, FLATHEAD RECOMMENDED FOR ADA SILL.

TABLE 1:

Lock Design Pressures, PSF									
Lock Type	Description	Door Frame Height							
		84-3/4"		96-3/4"		108-3/4"		120-3/4"	
		(+)	(-)	(+)	(-)	(+)	(-)	(+)	(-)
1	Copper Creek with 3-Point Lock	90.0	90.0	90.0	90.0	-	-	-	-
2	Baldwin with 3-Point Lock	100.0	110.0	100.0	110.0	100.0	110.0	70.0	70.0
3	Regent Commercial with 3-Point Lock	100.0	110.0	100.0	110.0	100.0	110.0	70.0	70.0
4	Baldwin Single Point Lock	65.0	65.0	65.0	65.0	-	-	-	-
5	Copper Creek Single Point Lock	65.0	65.0	65.0	65.0	-	-	-	-
6	Door-O-Matic, Series 1690	80.0	80.0	70.0	70.0	-	-	-	-
7	Jackson, Series 2065/2085	80.0	80.0	70.0	70.0	-	-	-	-
8	Surface Mounted Lock	100.0	110.0	90.0	90.0	90.0	90.0	70.0	70.0

1) LOCK TYPES 6 & 7 ARE NOT AVAILABLE FOR INSWING CONFIGURATIONS.

2) LADDER PULL HANDLE MUST BE USED WITH LOCK TYPES 2 OR 3.

FLORIDA PRODUCT APPROVAL #331

DESIGN PRESSURE RATING	WATER PRESSURE RATING	IMPACT RATING
VARIES WITH OPTIONS, SEE TABLES 1 - 6	15% OF THE (+) DESIGN PRESSURE UNLESS NOTED OTHERWISE	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

INSTRUCTIONS TO USING THE TABLES:

1) FOR YOUR STRUCTURE AND PRODUCT OPTIONS, DETERMINE THE MINIMUM DESIGN PRESSURE REQUIRED BASED ON PROVISIONS OF THE CURRENT FLORIDA BUILDING CODE (FBC).

2) CHECK THE ALLOWABLE EXTERIOR AND INTERIOR DESIGN PRESSURES FROM APPROPRIATE TABLES ON THE FOLLOWING SHEETS. THE DESIGN PRESSURE FROM SEVERAL DIFFERENT PARTS MUST FIRST BE ASCERTAINED, AND THEN THE LOWEST VALUE USED AS THE FINAL, OVERALL DESIGN PRESSURE.

A) DETERMINE WATER INFILTRATION REQUIREMENTS BASED ON PROVISIONS OF THE FBC AND FIGURES 1 & 2 ON THIS SHEET FOR DOORS. DEPENDING ON YOUR CHOSEN PRODUCT, THIS MAY LIMIT YOUR (+) DESIGN PRESSURE.

B) FROM TABLE 1, DETERMINE THE DESIGN PRESSURE BASED ON YOUR DOOR LOCK TYPE.

C) FOR SINGLE DOORS (X) AND STAND-ALONE SIDELITES (O), DETERMINE THE DESIGN PRESSURE BASED ON YOUR GLASS TYPE FROM TABLE 2.

D) FOR DOUBLE DOORS (XX), DETERMINE THE DESIGN PRESSURE BASED ON YOUR DOOR GLASS TYPE FROM TABLE 4.

E) IF ATTACHING A SIDELITE (O) TO ANY DOOR, DETERMINE THE DESIGN PRESSURE FOR THE SIDELITE BASED ON GLASS TYPE FROM TABLE 2, ANCHORAGE FROM TABLE 3 AND MULLION CAPACITY FROM TABLE 6.

F) IF USING A TRANSOM, FROM TABLE 5, DETERMINE THE DESIGN PRESSURE BASED ON YOUR TRANSOM GLASS TYPE.

THE LOWEST DESIGN PRESSURE FROM A-F ABOVE SHALL CONTROL THE ENTIRE SYSTEM.

GUIDE TO SHEETS:

GENERAL NOTES.....	1
DESIGN PRESSURES TABLES.....	2-5
ANCHOR LOCATIONS.....	6-7
INSTALLATION, OUTSWING.....	8-11
INSTALLATION, INSWING.....	12-15
TRANSOM ASSEMBLY/DETAILS...	16
FRAME ASSEMBLY.....	17
GLAZING DETAILS.....	18
EXTRUSION PROFILES.....	19
BILL OF MATERIALS.....	19

FIGURE 1:

OH LENGTH

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

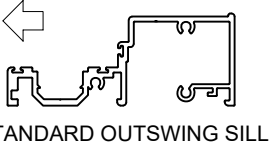
DOOR WATER INFILTRATION NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE STANDARD OUTSWING SILL, FIGURE 2, MUST BE USED.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIGURE 1, THE (+) DESIGN PRESSURES SHOWN IN THE TABLES MAY BE USED AND ANY THRESHOLD IS ACCEPTABLE.

FIGURE 2:

EXTERIOR



ONLY THIS DOOR SILL, IN AN OUTSWING CONFIGURATION, MAY BE USED WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

Rev. # 02/06/26 Date AS NOTED ON SHEETS 3, 6 & 7 - JR

PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		08/20/25	
		COPYRIGHT © 2026 PGT INDUSTRIES, LLC			
		LIMITED LICENSE TO MAKE COPIES FOR PERMITTING			
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		JENS ROSOWSKI	
		GENERAL NOTES		By Brown	
		FD450		1 OF 19	
		Sheet		No.	
Series		Desc.		Title	

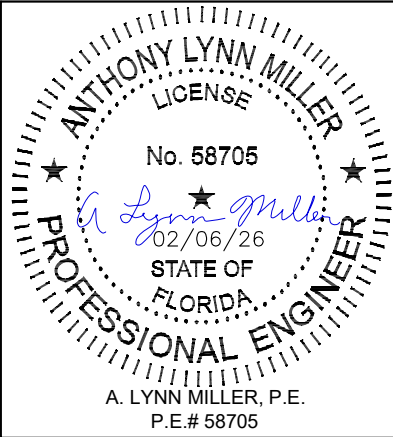


TABLE 2:

SINGLE DOOR (X) AND/OR SIDELITES (O) DESIGN PRESSURES, PSF DUE TO GLAZING							
SGL DOOR (X) OR SIDELITE WIDTH*	FRAME HEIGHT	GLASS TYPES 1, 2, 3, 4 & COMPOSITE PANELS		GLASS TYPES 6 & 7		GLASS TYPES 5 & 8	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
26-9/16"	82-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
32-9/16"		100.0	110.0	70.0	70.0	90.0	90.0
38-9/16"		100.0	110.0	70.0	70.0	90.0	90.0
44-9/16"		94.2	94.2	70.0	70.0	90.0	90.0
26-9/16"	84-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
32-9/16"		100.0	110.0	70.0	70.0	90.0	90.0
38-9/16"		100.0	110.0	70.0	70.0	90.0	90.0
44-9/16"		94.2	94.2	70.0	70.0	90.0	90.0
26-9/16"	90-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
32-9/16"		100.0	110.0	70.0	70.0	90.0	90.0
38-9/16"		100.0	110.0	70.0	70.0	90.0	90.0
44-9/16"		94.2	94.2	70.0	70.0	90.0	90.0
26-9/16"	96-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
32-9/16"		100.0	110.0	70.0	70.0	90.0	90.0
38-9/16"		100.0	110.0	70.0	70.0	90.0	90.0
44-9/16"		59.9	59.9	59.9	59.9	-	-
26-9/16"	102-3/4"	100.0	110.0	70.0 **	70.0 **	-	-
32-9/16"		100.0	110.0	70.0 **	70.0 **	-	-
38-9/16"		100.0	110.0	70.0 **	70.0 **	-	-
44-9/16"		59.9	59.9	59.9 **	59.9 **	-	-
26-9/16"	108-3/4"	100.0	110.0	70.0 **	70.0 **	-	-
32-9/16"		100.0	110.0	70.0 **	70.0 **	-	-
38-9/16"		100.0	110.0	70.0 **	70.0 **	-	-
26-9/16"	114-3/4"	70.0	70.0	70.0 **	70.0 **	-	-
32-9/16"		70.0	70.0	70.0 **	70.0 **	-	-
38-9/16"		70.0	70.0	70.0 **	70.0 **	-	-
26-9/16"	120-3/4"	70.0	70.0	70.0 **	70.0 **	-	-
32-9/16"		70.0	70.0	70.0 **	70.0 **	-	-
38-9/16"		70.0	70.0	70.0 **	70.0 **	-	-

* NARROW STILE SIDELITES LIMITED TO 18" FRAME WIDTH OR LESS.
** GLASS HEIGHT MAY NOT EXCEED 82-3/8", TRUE DIVIDED LIGHT REQUIRED FOR GREATER HEIGHTS.

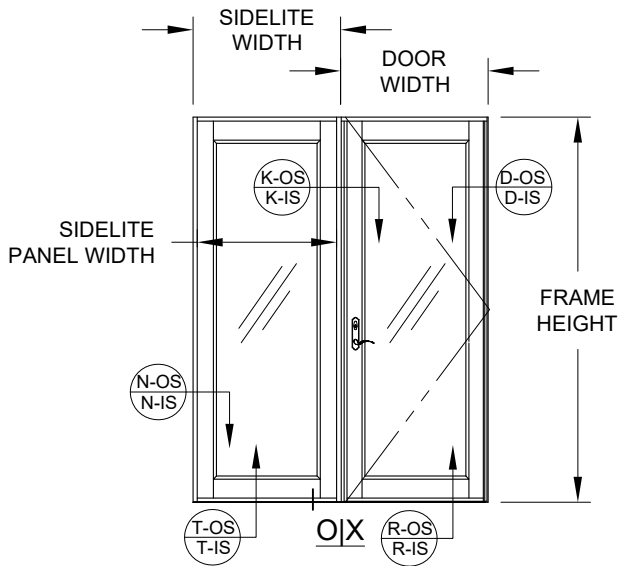
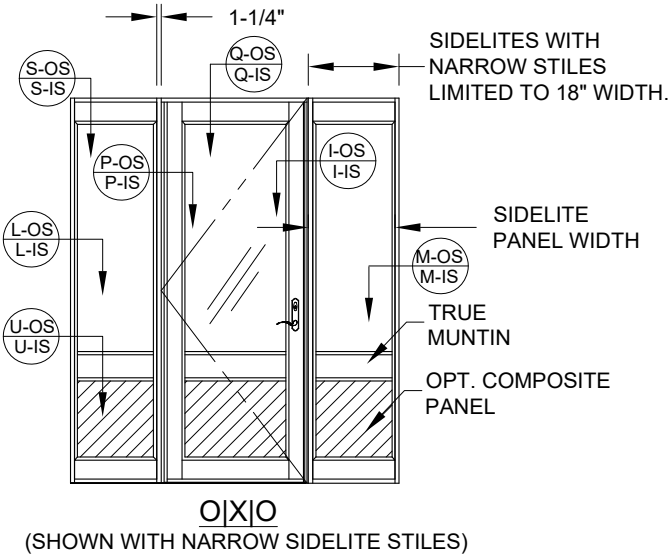
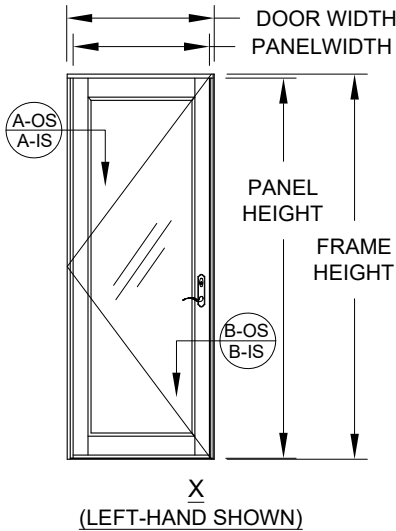
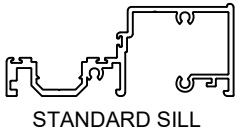


TABLE 3:

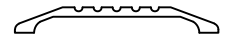
DESIGN PRESSURES, PSF AT SIDELITES DUE TO ANCHORAGE TYPE									
ANCHOR TYPE (SEE SHEET 6 FOR LOCATIONS)		A @ HEAD			B @ HEAD, STD. SILL & RES. SILL		B @ HEAD, C @ COM. SILL & D @ STD. & RES. SILLS		
WIDTH "W"	FRAME HEIGHT	3 ANCHORS	4 ANCHORS	6 ANCHORS	3 ANCHORS	4 ANCHORS	3 ANCHORS	4 ANCHORS	
24"	82-3/4"	106.7	110.0	110.0	110.0	110.0	110.0	110.0	
30"		86.2	110.0	110.0	110.0	110.0	110.0	110.0	
36"		72.3	96.4	110.0	109.3	110.0	101.0	110.0	
42"		62.3	83.0	110.0	94.2	110.0	87.0	110.0	
24"	84-3/4"	104.2	110.0	110.0	110.0	110.0	110.0	110.0	
30"		84.2	110.0	110.0	110.0	110.0	110.0	110.0	
36"		70.6	94.1	110.0	106.7	110.0	98.7	110.0	
42"		60.8	81.1	110.0	91.9	110.0	85.0	108.7	
24"	90-3/4"	97.3	110.0	110.0	110.0	110.0	110.0	110.0	
30"		78.6	104.8	110.0	110.0	110.0	109.8	110.0	
36"		65.9	87.9	110.0	99.7	110.0	92.1	110.0	
42"		56.8	75.7	110.0	85.9	110.0	79.4	101.5	
24"	96-3/4"	91.2	110.0	110.0	110.0	110.0	110.0	110.0	
30"		73.7	98.3	110.0	110.0	110.0	103.0	110.0	
36"		61.9	82.5	110.0	93.5	110.0	86.4	110.0	
42"		53.3	71.0	106.5	80.5	107.4	74.4	95.2	
24"	102-3/4"	85.9	110.0	110.0	110.0	110.0	110.0	110.0	
30"		69.4	92.6	110.0	104.9	110.0	97.0	110.0	
36"		58.2	77.7	110.0	88.0	110.0	81.4	104.1	
42"		50.2	66.9	100.3	75.8	101.1	70.1	89.6	
24"	108-3/4"	81.2	108.2	110.0	110.0	110.0	110.0	110.0	
30"		65.6	87.5	110.0	99.2	110.0	91.7	110.0	
36"		55.0	73.4	110.0	83.2	110.0	76.9	98.3	
24"	114-3/4"	76.9	102.6	110.0	110.0	110.0	107.5	110.0	
30"		62.2	82.9	110.0	94.0	110.0	86.9	110.0	
36"		52.2	69.5	104.3	78.8	105.1	72.9	93.2	
24"	120-3/4"	73.1	97.5	110.0	110.0	110.0	102.2	110.0	
30"		59.1	78.8	110.0	89.3	110.0	82.5	105.6	
36"		49.6	66.1	99.1	74.9	99.9	69.2	88.6	

WIDTH "W" = $\frac{\text{PANEL WIDTH} + \text{ADJACENT PANEL WIDTH}}{2} + 1.250$

- NOTES:
- 1) CHECK THE ALLOWABLE DESIGN PRESSURES FROM THE APPROPRIATE TABLES OF ALL SHEETS PER THE INSTRUCTIONS ON SHEET 1. THE LOWEST DESIGN PRESSURE FROM ALL SHALL CONTROL THE ENTIRE SYSTEM.
 - 2) EXAMPLE CONFIGURATIONS SHOWN. SIMILAR CONFIGURATIONS ALLOWED. DOORS MAY BE LEFT OR RIGHT-HANDED, INSWING OR OUTSWING & USE ANY LOCK FROM TABLE 1.
 - 3) "OS" = OUTSWING; "IS" = INSWING; SEE DETAILS ON SHEETS 8-11 & 16 (OUTSWING) & 12-16 (INSWING).
 - 4) IF TABLE 3 REQUIRES 3 ANCHORS, INSTALL 1 @ THE DOOR AND 2 @ THE SIDELITE OTHERWISE SPLIT QUANTITY EVENLY.



STANDARD SILL



COMMERCIAL (ADA) SILL



RESIDENTIAL SILL

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

REGISTRATION #29296
COPYRIGHT © 2026 PGT INDUSTRIES, LLC
LIMITED LICENSE TO MAKE COPIES FOR PERMITTING

PGT
Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

ALUMINUM SWING DOOR (LM)
DESIGN PRESSURE TABLES

08/20/25
Date

JENS ROSOWSKI
By

2 OF 19
No. DWG

FD450
Sheet

450-LM-PGT

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 4:

DOUBLE DOOR (XX) DESIGN PRESSURES, PSF DUE TO GLAZING							
DBL DOOR (XX) WIDTH	FRAME HEIGHT	GLASS TYPES 1, 2, 3, 4 & COMPOSITE PANELS		GLASS TYPES 6 & 7		GLASS TYPES 5 & 8	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
50-1/2"	82-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
62-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
74-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
86-1/2"		94.2	94.2	70.0	70.0	90.0	90.0
50-1/2"	84-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
62-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
74-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
86-1/2"		94.2	94.2	70.0	70.0	90.0	90.0
50-1/2"	90-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
62-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
74-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
86-1/2"		94.2	94.2	70.0	70.0	90.0	90.0
50-1/2"	96-3/4"	100.0	110.0	70.0	70.0	90.0	90.0
62-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
74-1/2"		100.0	110.0	70.0	70.0	90.0	90.0
86-1/2"		59.9	59.9	59.9	59.9	-	-

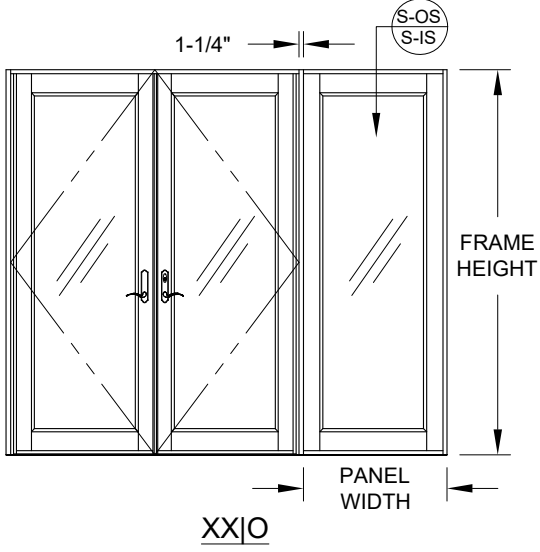
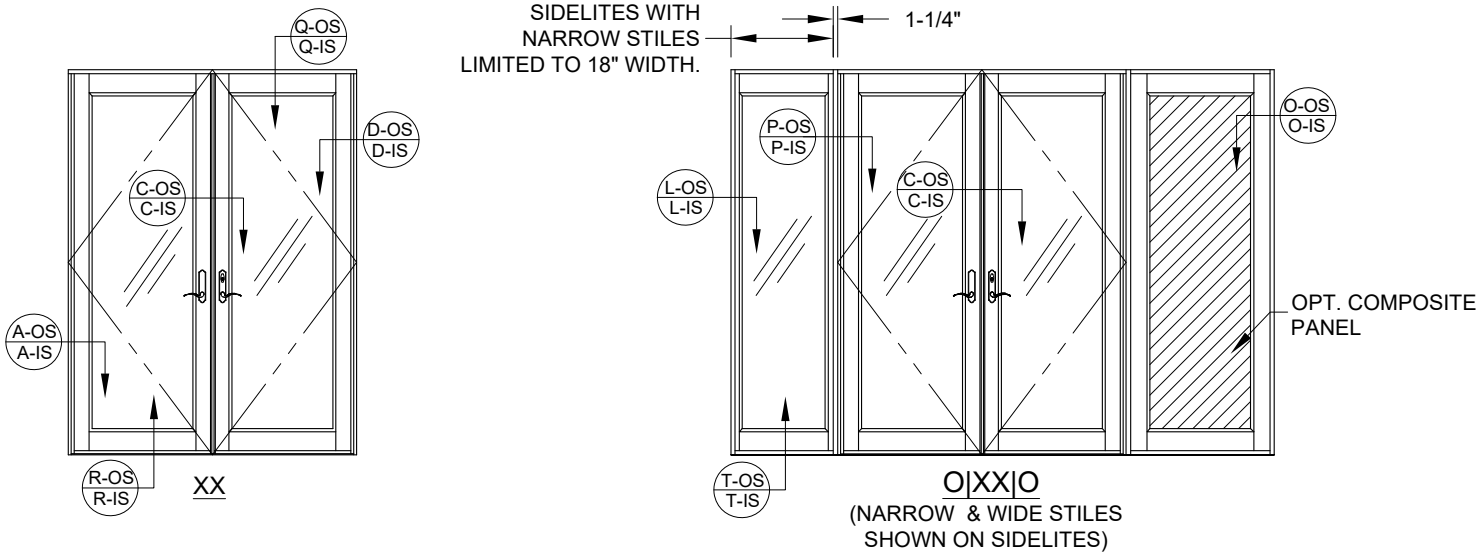
TABLE 4 (CONT.):

DOUBLE DOOR (XX) DESIGN PRESSURES, PSF DUE TO GLAZING							
DBL DOOR (XX) WIDTH	FRAME HEIGHT	GLASS TYPES 1, 2, 3, 4 & COMPOSITE PANELS		GLASS TYPES 6 & 7		GLASS TYPES 5 & 8	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
50-1/2"	102-3/4"	100.0	110.0	70.0 **	70.0 **	-	-
62-1/2"		100.0	110.0	70.0 **	70.0 **	-	-
74-1/2"		100.0	110.0	70.0 **	70.0 **	-	-
86-1/2"		59.9	59.9	59.9 **	59.9 **	-	-
50-1/2"	108-3/4"	100.0	110.0	70.0 **	70.0 **	-	-
62-1/2"		100.0	110.0	70.0 **	70.0 **	-	-
74-1/2"		100.0	110.0	70.0 **	70.0 **	-	-
86-1/2"		59.9	59.9	59.9 **	59.9 **	-	-
50-1/2"	114-3/4"	70.0	70.0	70.0 **	70.0 **	-	-
62-1/2"		70.0	70.0	70.0 **	70.0 **	-	-
74-1/2"		70.0	70.0	70.0 **	70.0 **	-	-
86-1/2"		70.0	70.0	70.0 **	70.0 **	-	-
50-1/2"	120-3/4"	70.0	70.0	70.0 **	70.0 **	-	-
62-1/2"		70.0	70.0	70.0 **	70.0 **	-	-
74-1/2"		70.0	70.0	70.0 **	70.0 **	-	-
86-1/2"		70.0	70.0	70.0 **	70.0 **	-	-

** GLASS HEIGHT MAY NOT EXCEED 82-3/8", TRUE DIVIDED LIGHT REQUIRED FOR GREATER HEIGHTS.

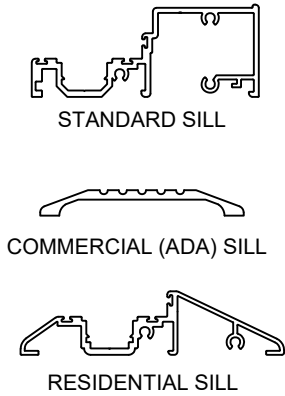
WIDTH "W" = $\frac{\text{PANEL WIDTH} + \text{ADJACENT PANEL WIDTH}}{2} + 1.250$

ALL DOUBLE (XX) DOORS TO HAVE 5 ANCHORS AT CLUSTER, SEE SHEET 6.



NOTES:

- 1) CHECK THE ALLOWABLE DESIGN PRESSURES FROM THE APPROPRIATE TABLES OF ALL SHEETS PER THE INSTRUCTIONS ON SHEET 1. THE LOWEST DESIGN PRESSURE FROM ALL SHALL CONTROL THE ENTIRE SYSTEM.
- 2) EXAMPLE CONFIGURATIONS SHOWN. SIMILAR CONFIGURATIONS ALLOWED. DOORS MAY BE LEFT OR RIGHT-HANDED, INSWING OR OUTSWING & USE ANY LOCK FROM TABLE 1.
- 3) "OS" = OUTSWING; "IS" = INSWING; SEE DETAILS ON SHEETS 8-11 & 16 (OUTSWING) & 12-16 (INSWING).



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

REGISTRATION #29296
COPYRIGHT © 2026 PGT INDUSTRIES, LLC
LIMITED LICENSE TO MAKE COPIES FOR PERMITTING

PGT
Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

ALUMINUM SWING DOOR (LM)
DESIGN PRESSURE TABLES

08/20/25
Date

JENS ROSOWSKI
By

FD450
Series

3 OF 19
Sheet

450-LM-PGT
Dwg No.

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

Rev. # 02/06/26 Date
REMOVED ANCHOR TABLE,
DEFAULT ALL TO 5-JR

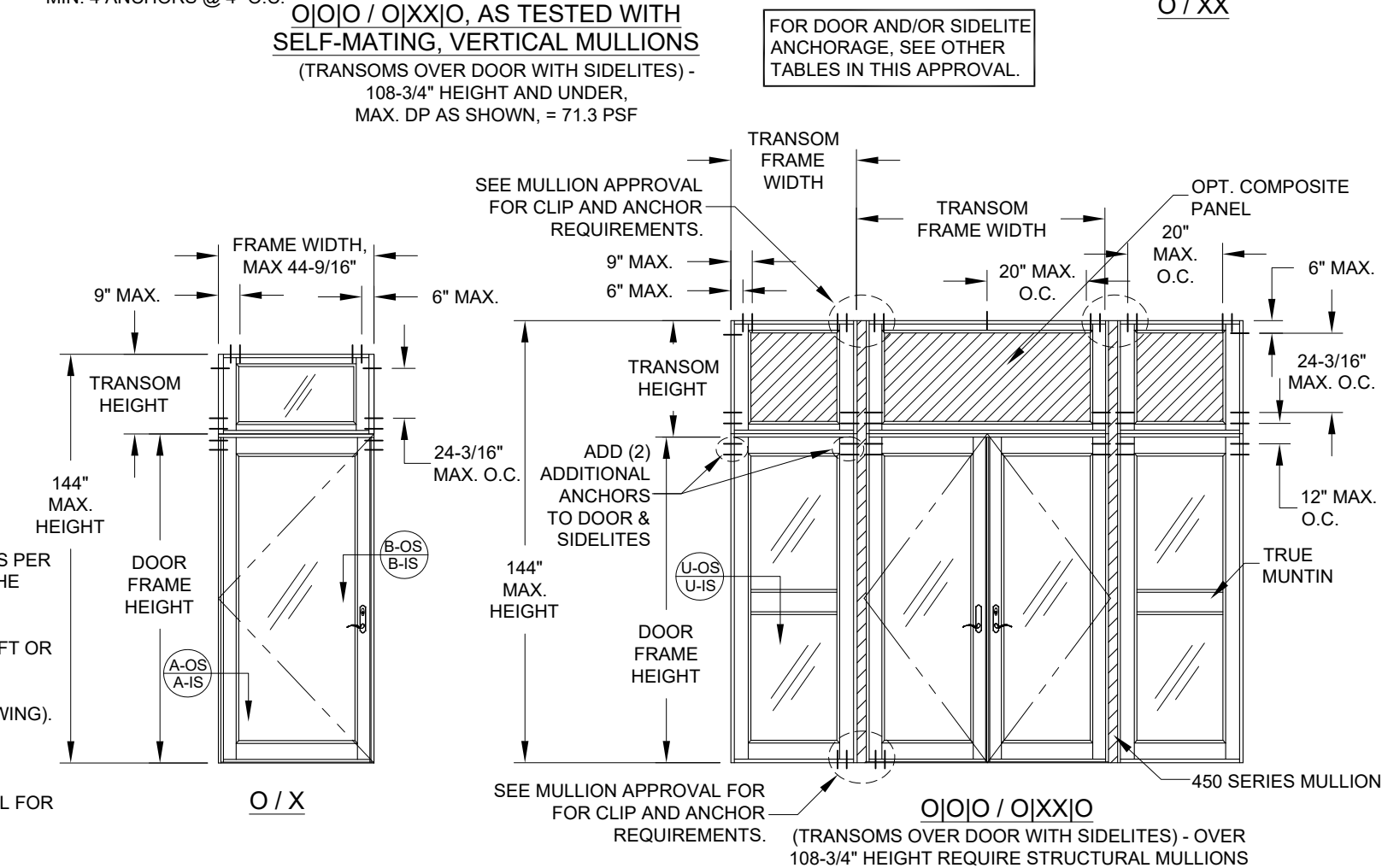
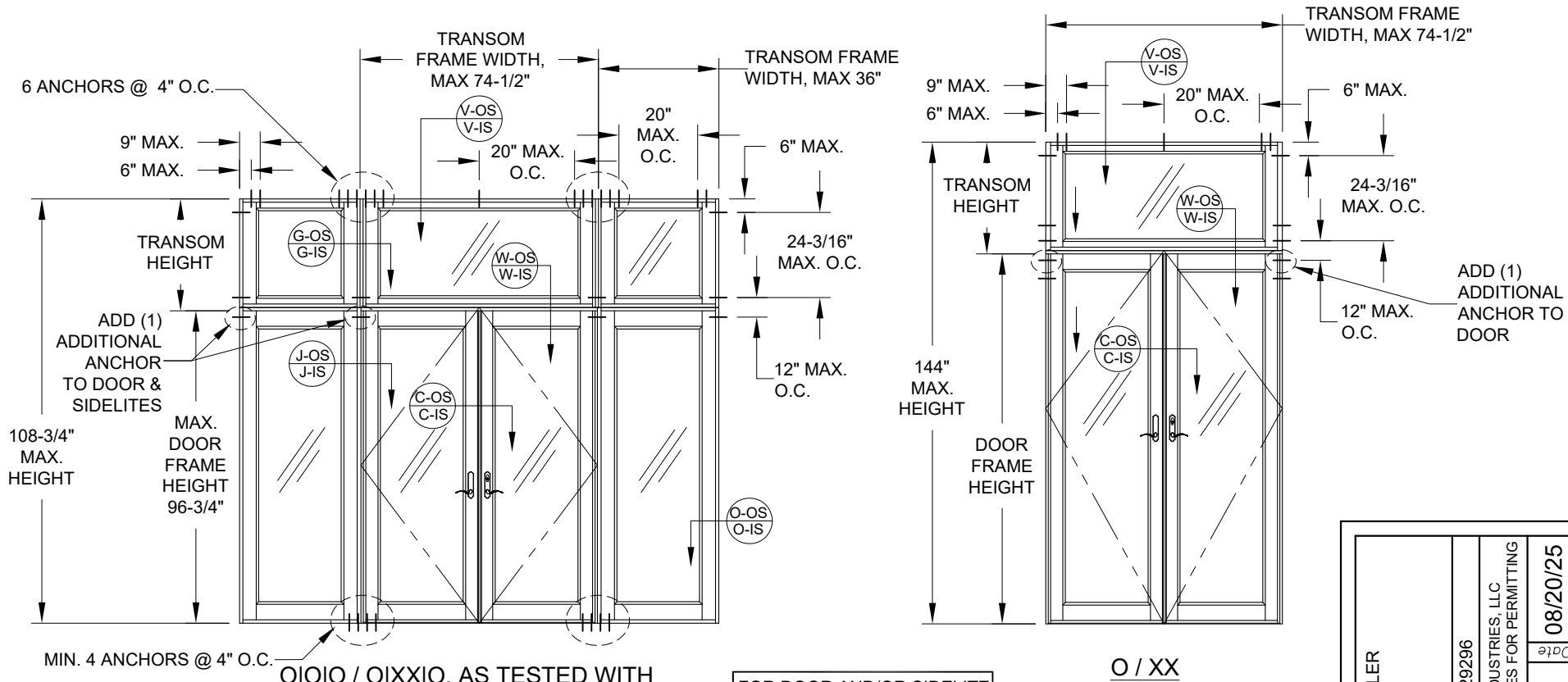
TABLE 5:

TRANSOM DESIGN PRESSURES - PSF DUE TO GLAZING								
TRANSOM FRAME WIDTH	DOOR FRAME HEIGHT	TRANSOM HEIGHT	GLASS TYPES 1, 2, 3, 4 & COMPOSITE PANELS		GLASS TYPES 6 & 7		GLASS TYPES 5 & 8	
			EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
60"	84"	24"	100.0	110.0	70.0	70.0	90.0	90.0
		30"	100.0	110.0	70.0	70.0	90.0	90.0
		36"	100.0	110.0	70.0	70.0	90.0	90.0
		42"	100.0	110.0	70.0	70.0	90.0	90.0
66"		24"	100.0	110.0	70.0	70.0	90.0	90.0
		30"	100.0	109.8	70.0	70.0	90.0	90.0
		36"	100.0	105.4	70.0	70.0	90.0	90.0
74-1/2"		24"	95.6	95.6	70.0	70.0	90.0	90.0
		30"	91.2	91.2	70.0	70.0	90.0	90.0
		36"	87.5	87.5	70.0	70.0	87.5	87.5
60"	96"	24"	100.0	110.0	70.0	70.0	90.0	90.0
		30"	100.0	110.0	70.0	70.0	90.0	90.0
		36"	100.0	110.0	70.0	70.0	90.0	90.0
		42"	100.0	110.0	70.0	70.0	90.0	90.0
66"		24"	100.0	103.2	70.0	70.0	90.0	90.0
		30"	99.0	99.1	70.0	70.0	90.0	90.0
		36"	96.0	95.6	70.0	70.0	90.0	90.0
74-1/2"		24"	86.0	86.0	70.0	70.0	86.0	86.0
		30"	82.5	82.5	70.0	70.0	82.5	82.5
		36"	79.4	79.4	70.0	70.0	79.4	79.4
60"	108"	24"	100.0	110.0	70.0	70.0	90.0	90.0
		30"	100.0	110.0	70.0	70.0	90.0	90.0
		36"	100.0	107.2	70.0	70.0	90.0	90.0
66"		24"	94.0	93.8	70.0	70.0	90.0	90.0
		30"	90.0	90.4	70.0	70.0	90.0	90.0
		36"	87.5	87.5	70.0	70.0	87.5	87.5
74-1/2"		24"	78.2	78.2	70.0	70.0	78.2	78.2
		30"	75.3	75.3	70.0	70.0	75.3	75.3
		36"	72.7	72.7	70.0	70.0	72.7	72.7
60"		120"	24"	100.0	104.9	70.0	70.0	90.0
66"	24"		86.0	86.0	70.0	70.0	86.0	86.0
74-1/2"	24"		71.7	71.7	70.0	70.0	71.7	71.7

NOTES:

- 1) CHECK THE ALLOWABLE DESIGN PRESSURES FROM THE APPROPRIATE TABLES OF ALL SHEETS PER THE INSTRUCTIONS ON SHEET 1. THE LOWEST DESIGN PRESSURE FROM ALL SHALL CONTROL THE ENTIRE SYSTEM.
- 2) EXAMPLE CONFIGURATIONS SHOWN. SIMILAR CONFIGURATIONS ALLOWED. DOORS MAY BE LEFT OR RIGHT-HANDED, INSWING OR OUTSWING & USE ANY LOCK FROM TABLE 1.
- 3) "OS" = OUTSWING; "IS" = INSWING; SEE DETAILS ON SHEETS 8-11 & 16 (OUTSWING) & 12-16 (INSWING).
- 4) ANY ANCHOR TYPE FROM TABLE A MAY BE USED.
- 5) TOTAL HEIGHTS OVER 108-3/4" MUST USE A TUBE MULLION. SEE SEPARATE MULLION APPROVAL FOR SPECIFICS.

TRANSOM DLO WIDTH = TRANSOM FRAME WIDTH - 13-5/8"
TRANSOM DLO HEIGHT = TRANSOM FRAME HEIGHT - 4-5/8"



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

PGT
Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296
COPYRIGHT © 2026 PGT INDUSTRIES, LLC
LIMITED LICENSE TO MAKE COPIES FOR PERMITTING

08/20/25
Date

ALUMINUM SWING DOOR (LM)

DESIGN PRESSURE TABLES

FD450

JENS ROSOWSKI

4 OF 19

450-LM-PGT

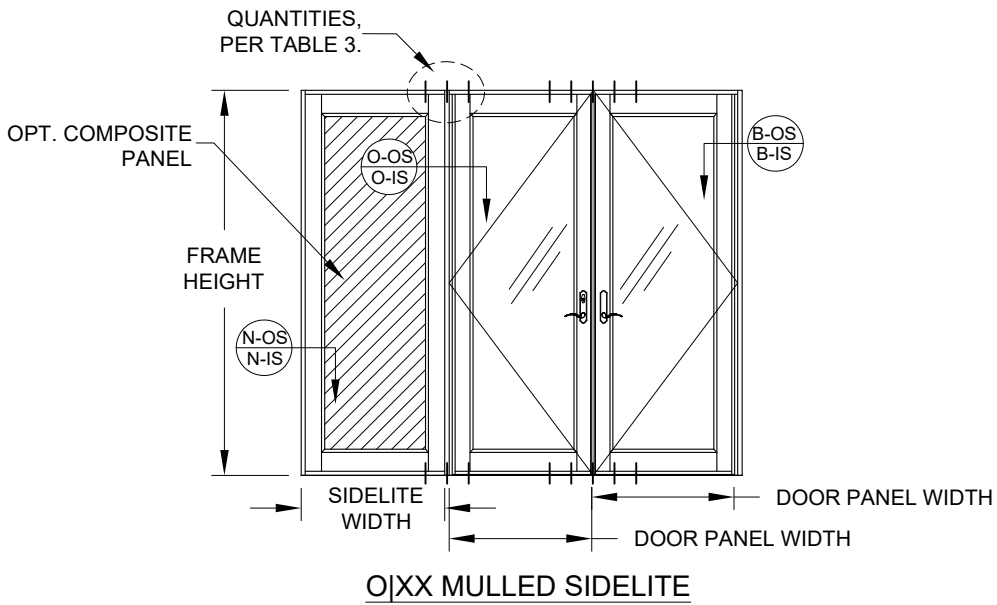
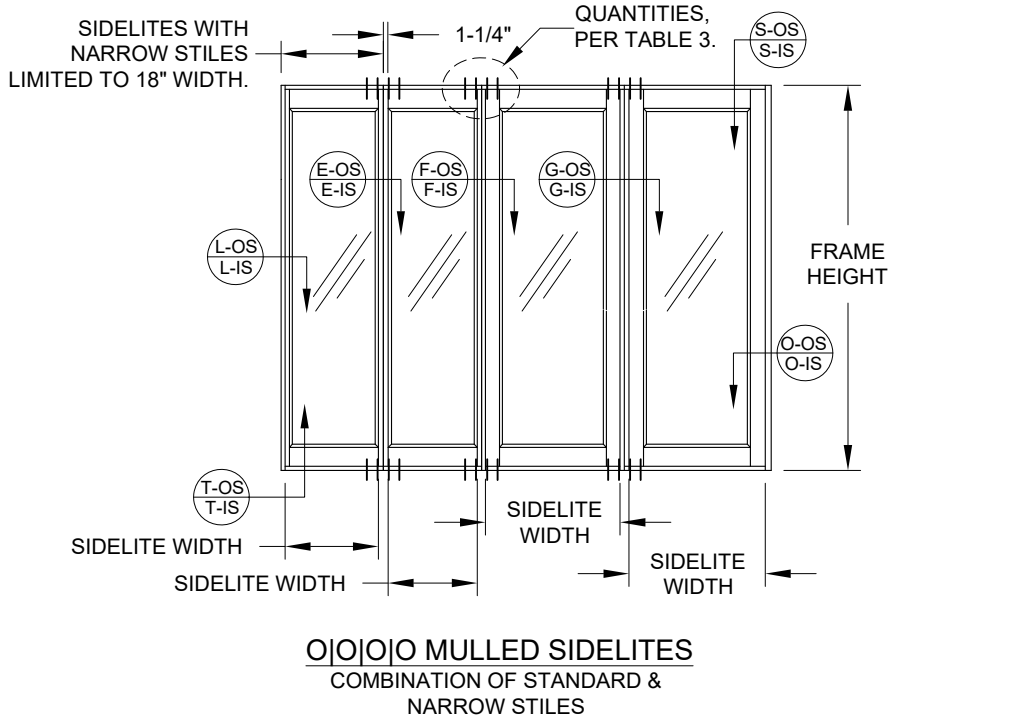
ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705

PROFESSIONAL ENGINEER

TABLE 6:

MULLION DESIGN PRESSURES - PSF							
WIDTH "W"	FRAME HEIGHT	PANEL STILE TYPES BEING MULLED TOGETHER:					
		WIDE TO WIDE DETAILS G-OS, G-IS, J-OS, J-IS, K-OS & K-IS		WIDE TO NARROW DETAILS F-OS, F-IS, I-OS, I-IS, P-OS & P-IS		NARROW TO NARROW DETAILS E-OS & E-IS	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18"	82-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
24"		100.0	110.0	100.0	110.0	100.0	110.0
30"		100.0	110.0	100.0	110.0	-	-
36"		100.0	110.0	100.0	110.0	-	-
42"		94.2	94.2	70.0	70.0	-	-
18"	84-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
24"		100.0	110.0	100.0	110.0	100.0	110.0
30"		100.0	110.0	100.0	110.0	-	-
36"		100.0	110.0	100.0	110.0	-	-
42"		94.2	94.2	-	-	-	-
18"	90-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
24"		100.0	110.0	100.0	110.0	70.0	70.0
30"		100.0	110.0	100.0	110.0	-	-
36"		100.0	110.0	70.0	70.0	-	-
42"		94.2	94.2	-	-	-	-
18"	96-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
24"		100.0	110.0	100.0	110.0	70.0	70.0
30"		100.0	110.0	100.0	110.0	-	-
36"		100.0	110.0	-	-	-	-
42"		59.9	59.9	-	-	-	-
18"	102-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
24"		100.0	110.0	100.0	110.0	-	-
30"		100.0	110.0	100.0	100.4	-	-
36"		98.9	98.9	-	-	-	-
42"		59.9	59.9	-	-	-	-
18"	108-3/4"	100.0	110.0	100.0	110.0	100.0	110.0
24"		100.0	110.0	100.0	104.1	-	-
30"		98.1	98.1	70.0	70.0	-	-
36"		82.9	82.9	-	-	-	-
18"	114-3/4"	70.0	70.0	70.0	70.0	100.0	110.0
24"		70.0	70.0	70.0	70.0	-	-
30"		70.0	70.0	-	-	-	-
36"		70.0	70.0	-	-	-	-
18"	120-3/4"	70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	-	-
30"		70.0	70.0	-	-	-	-
36"		59.9	59.9	-	-	-	-

WIDTH "W" = $\frac{\text{PANEL WIDTH} + \text{ADJACENT PANEL WIDTH}}{2}$ + 1.250



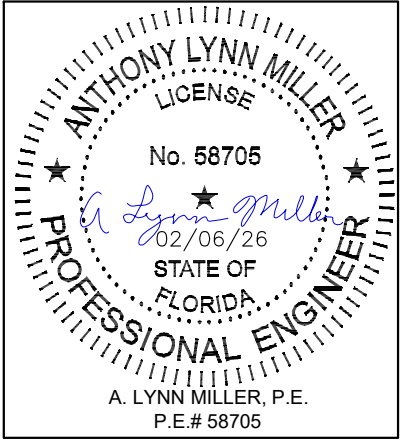
NOTES:

1) CHECK THE ALLOWABLE DESIGN PRESSURES FROM THE APPROPRIATE TABLES OF ALL SHEETS PER THE INSTRUCTIONS ON SHEET 1. THE LOWEST DESIGN PRESSURE FROM ALL SHALL CONTROL THE ENTIRE SYSTEM.

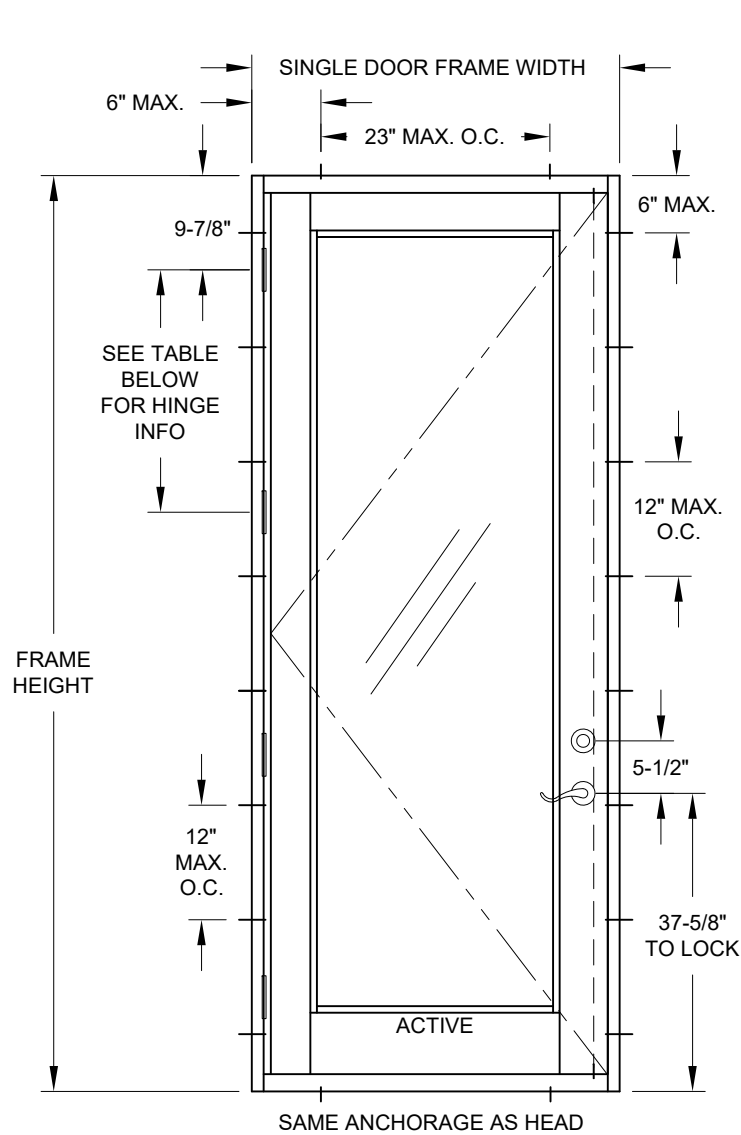
2) EXAMPLE CONFIGURATIONS SHOWN. SIMILAR CONFIGURATIONS ALLOWED. DOORS MAY BE LEFT OR RIGHT-HANDED, INSWING OR OUTSWING & USE ANY LOCK FROM TABLE 1.

3) "OS" = OUTSWING; "IS" = INSWING; SEE DETAILS ON SHEETS 8-11 & 16 (OUTSWING) & 12-16 (INSWING).

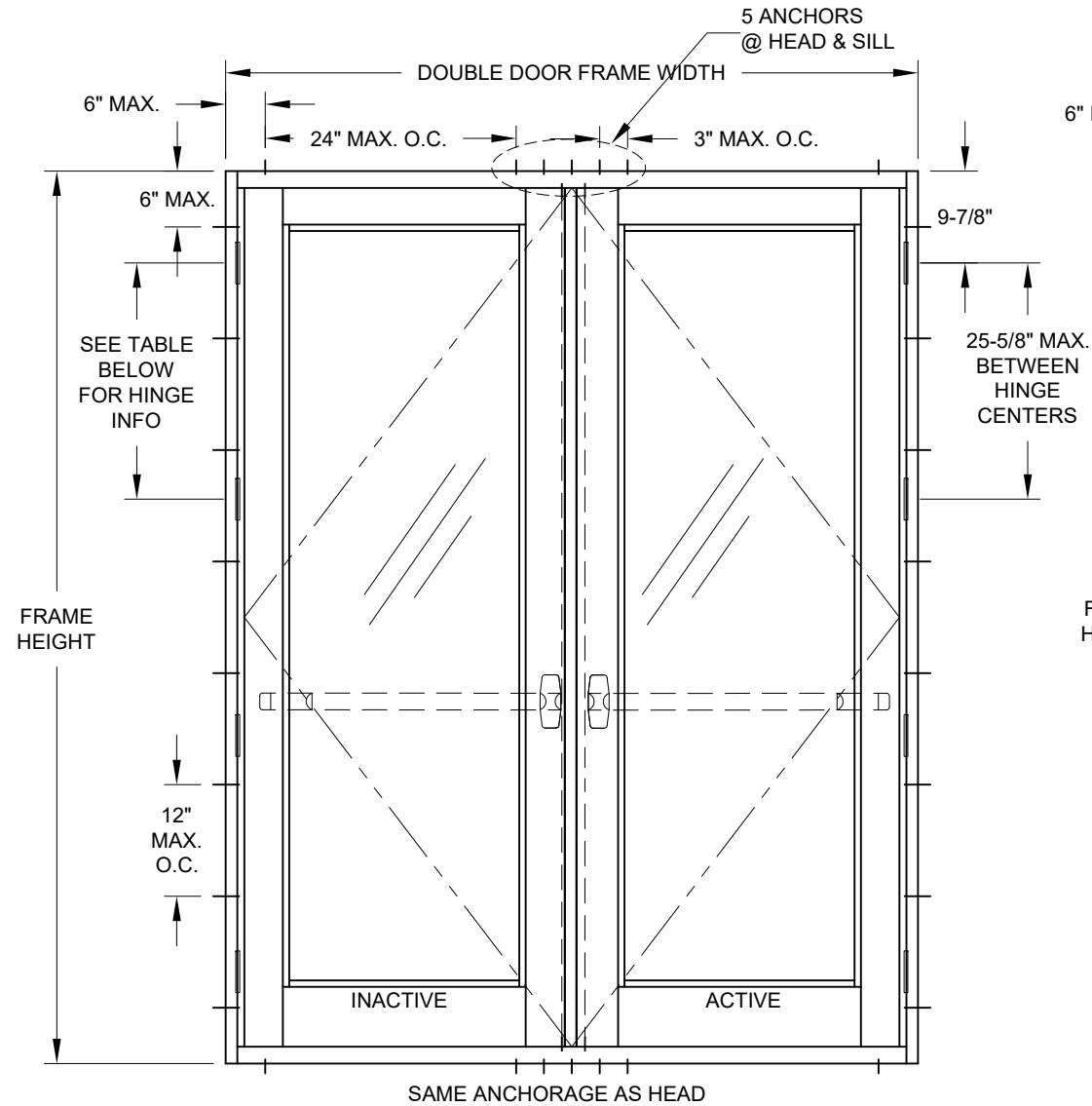
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		08/20/25 Date		JENS ROSOWSKI By		450-LM-PGT No.	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM) Title		DESIGN PRESSURE TABLES Desc.		FD450 Series		5 OF 19 Sheet	



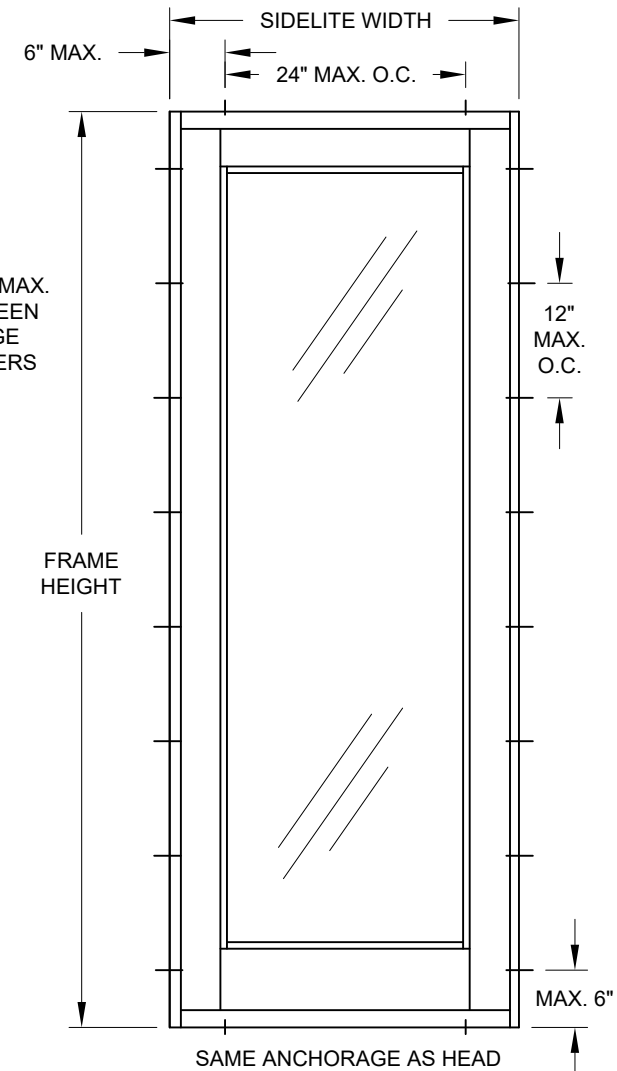
C
Rev.#
02/06/26
Date
Rev.



TYPICAL X DOOR ANCHOR LOCATIONS
SHOWN WITH OPT. RESIDENTIAL HARDWARE



TYPICAL XX DOOR ANCHOR LOCATIONS
SHOWN WITH OPT. COMMERCIAL PANIC HARDWARE



TYPICAL O SIDELITE ANCHOR LOCATIONS
MAY BE MULLED TO OTHER SIDELITES

NOTES:

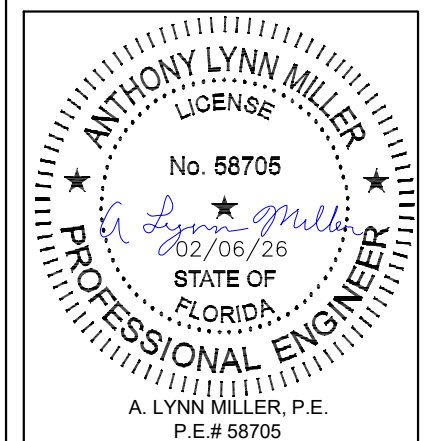
1) EXAMPLE CONFIGURATIONS SHOWN. SIMILAR CONFIGURATIONS ALLOWED. DOORS MAY BE LEFT OR RIGHT-HANDED, INSWING OR OUTSWING & USE ANY LOCK FROM TABLE 1.

2) FOR TRANSOMS, SEE SHEET 4.

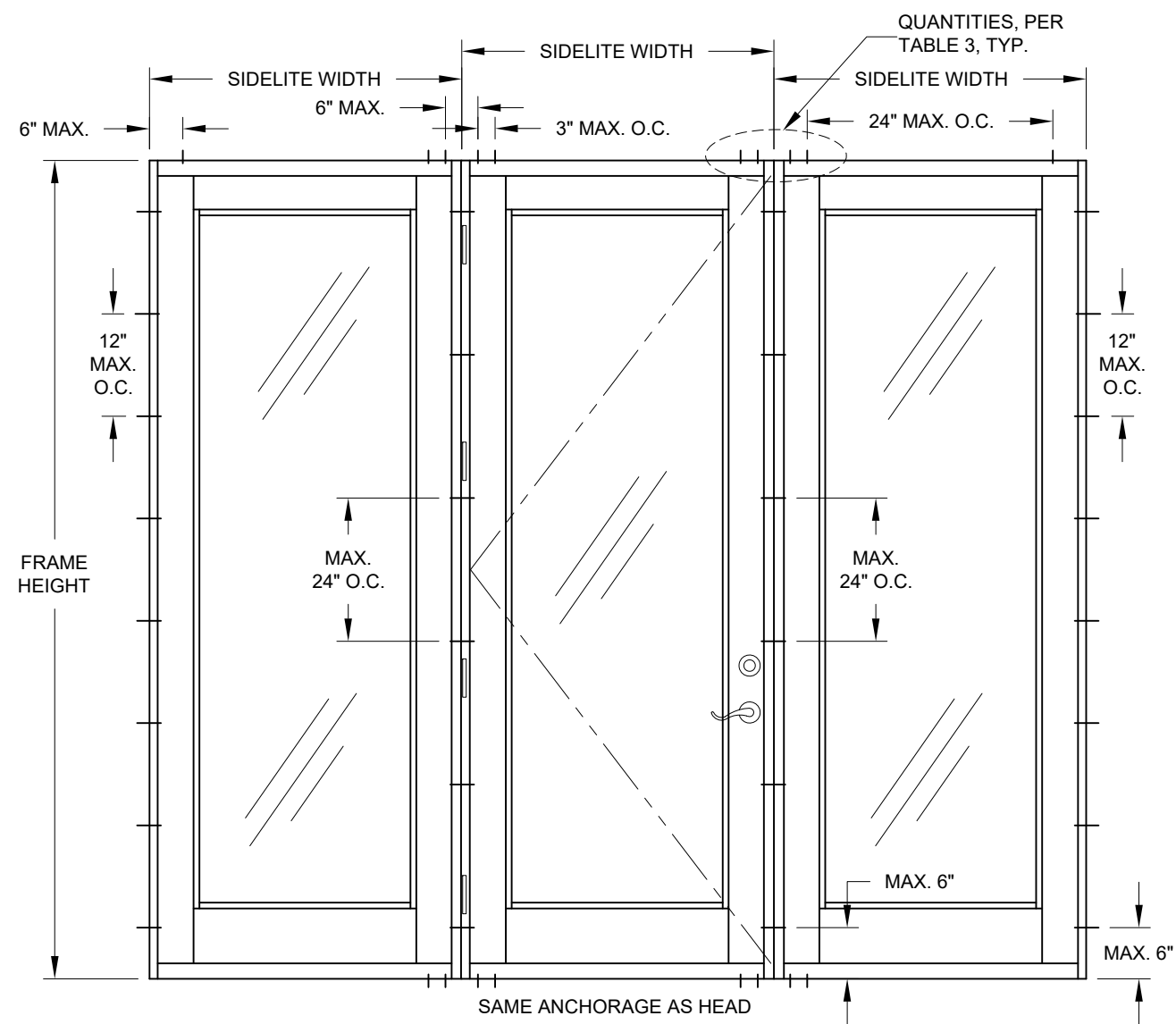
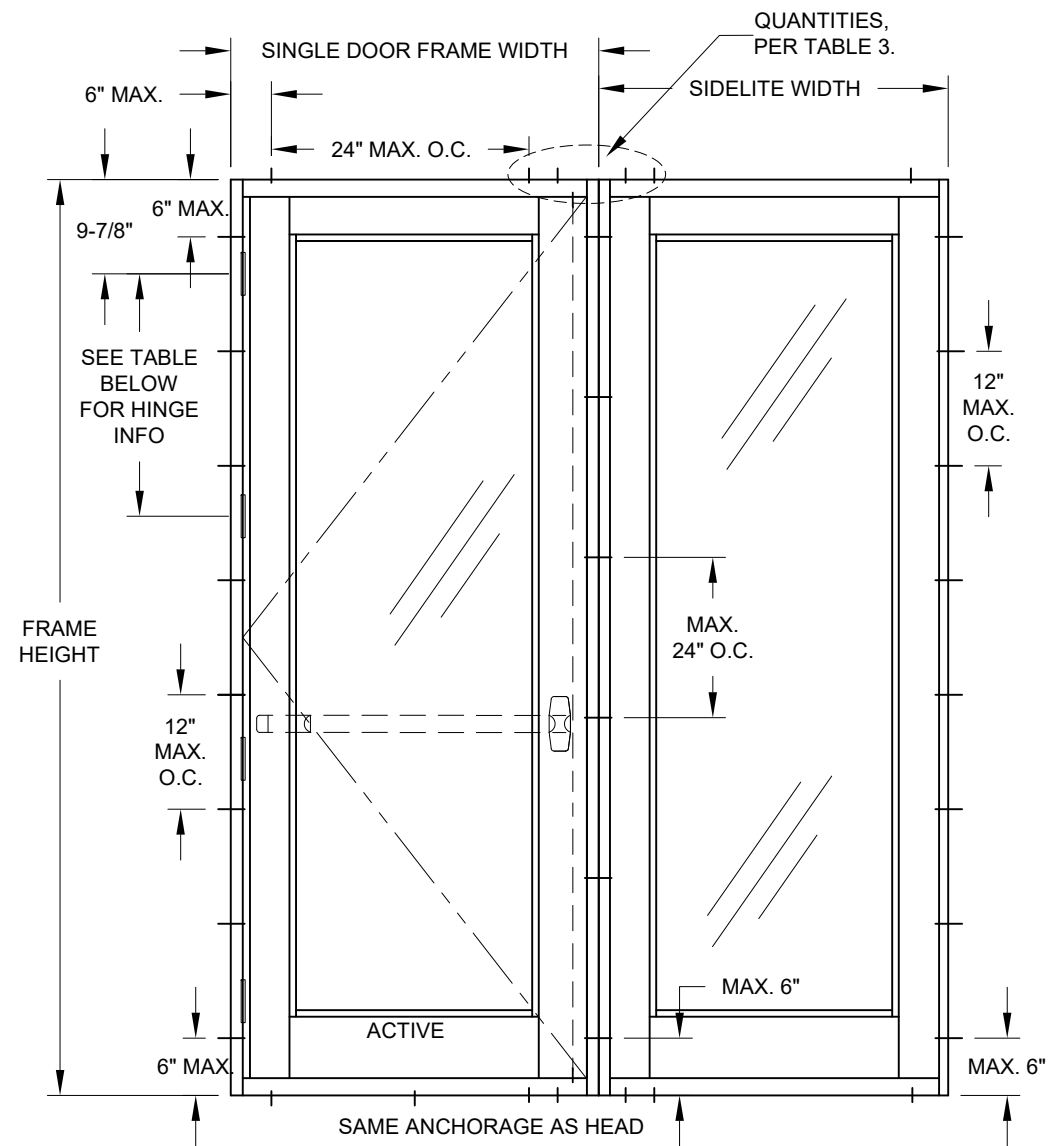
DOOR/SIDELITE DLO WIDTH = DOOR/SIDELITE PANEL WIDTH - 11"
DOOR/SIDELITE DLO HEIGHT = DOOR/SIDELITE PANEL HEIGHT - 13-1/2"
NARROW STILE SIDELITE DLO WIDTH = SIDELITE PANEL WIDTH - 4"
FRAME HEIGHT = PANEL HEIGHT + 1-7/8" (STD. THRESHOLD)
FRAME HEIGHT = PANEL HEIGHT + 1-5/8" (ADA THRESHOLD)
FRAME WIDTH = PANEL WIDTH + 2-13/16"

HINGE LOCATIONS		
MAX. FRAME HEIGHT	NO. REQD.	MAX. O.C. SPACING
UP TO 90-3/4"	3	35-1/2"
ABOVE 90-3/4" UP TO 120-3/4"	4	30-1/2"

PGT Custom Windows and Doors 3400 PRECISION 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 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING	
	ALUMINUM SWING DOOR (LM)		08/20/25	Date
	TESTED ANCHOR LOCATIONS	JENS ROSOWSKI	By	
FD450	6 OF 19	DWG No.	450-LM-PGT	
Series	Desc.	Title		



Rev. #	02/06/26	Date	Rev. #
REM. CUSTOM CONFIGS,	ADDED STD. CONFIGS - JR		



NOTES:

1) EXAMPLE CONFIGURATIONS SHOWN. SIMILAR CONFIGURATIONS ALLOWED. DOORS MAY BE LEFT OR RIGHT-HANDED, INSWING OR OUTSWING & USE ANY LOCK FROM TABLE 1.

2) FOR TRANSOMS, SEE SHEET 4.

DOOR/SIDELITE DLO WIDTH = DOOR/SIDELITE PANEL WIDTH - 11"
DOOR/SIDELITE DLO HEIGHT = DOOR/SIDELITE PANEL HEIGHT - 13-1/2"
NARROW STILE SIDELITE DLO WIDTH = SIDELITE PANEL WIDTH - 4"
FRAME HEIGHT = PANEL HEIGHT + 1-7/8" (STD. THRESHOLD)
FRAME HEIGHT = PANEL HEIGHT + 1-5/8" (ADA THRESHOLD)
FRAME WIDTH = PANEL WIDTH + 2-13/16"

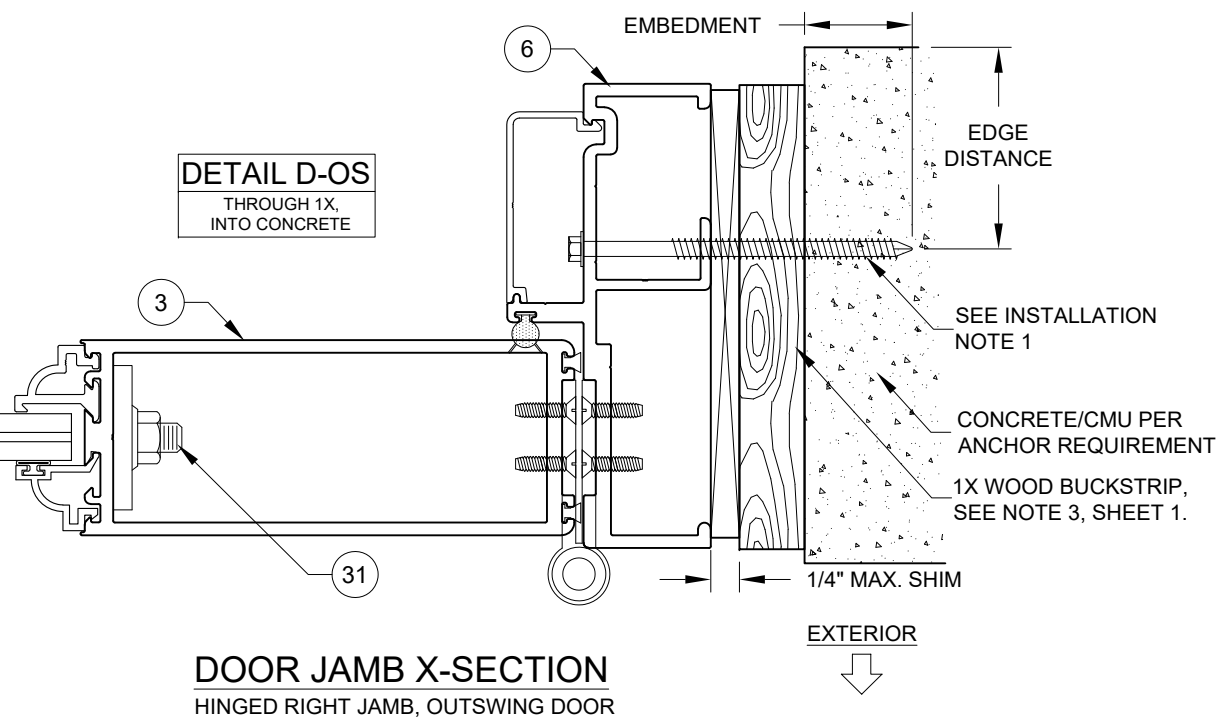
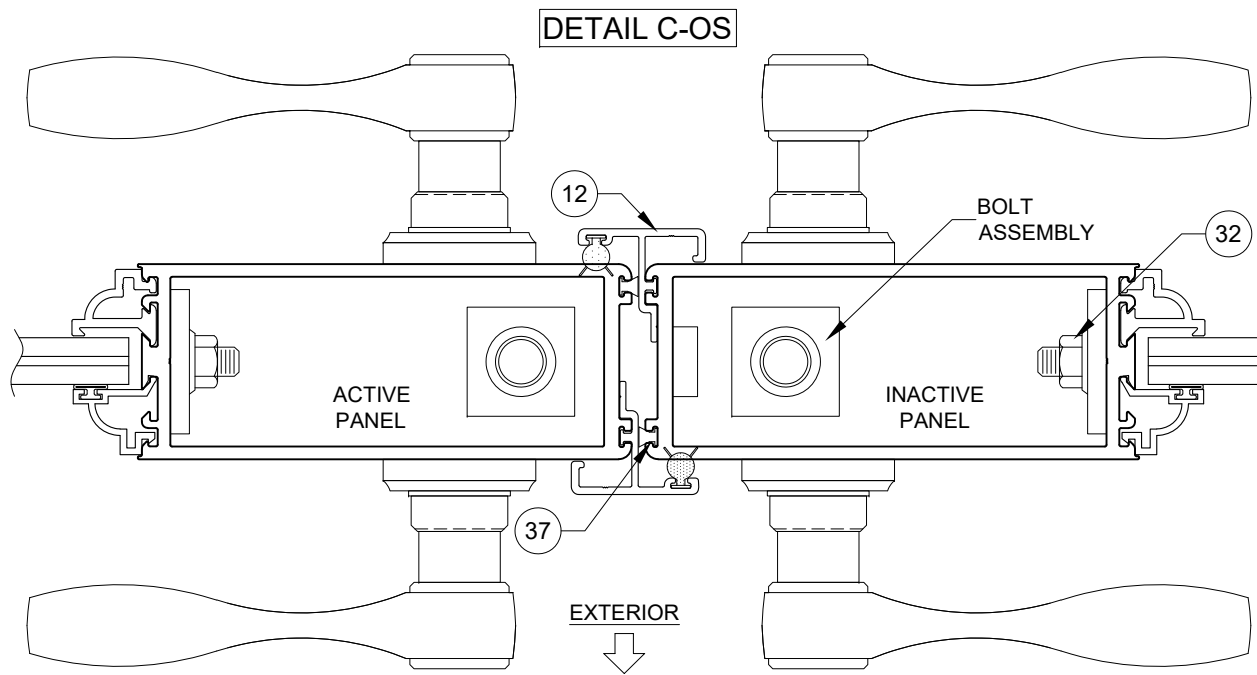
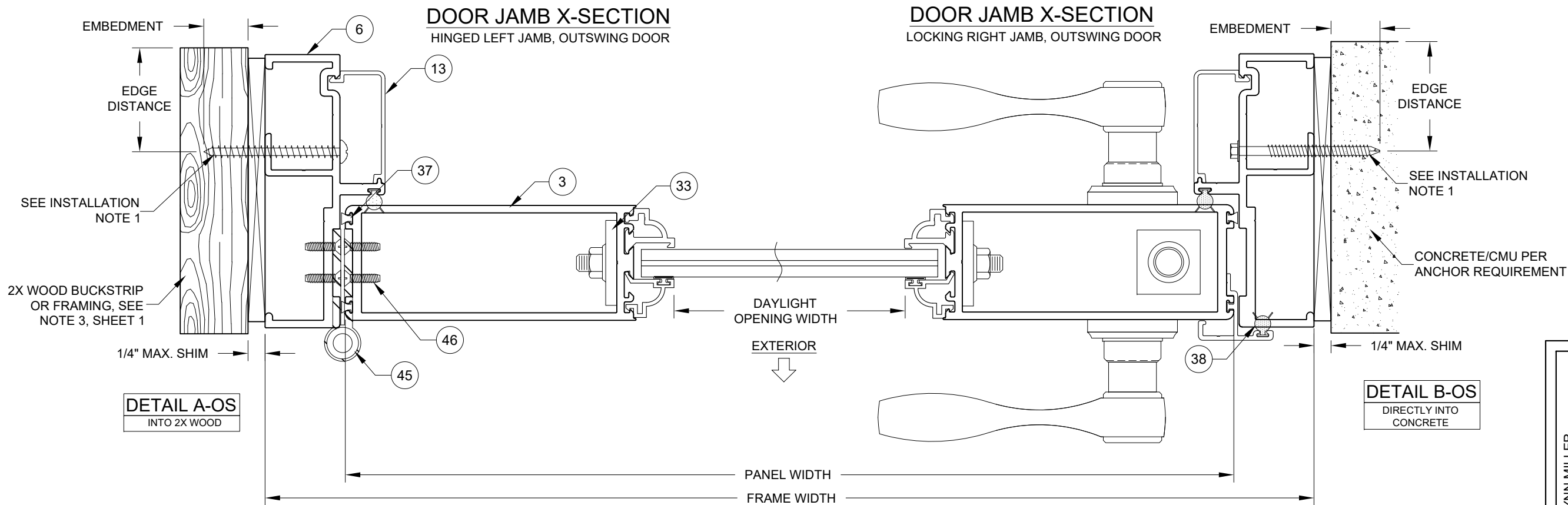
HINGE LOCATIONS		
MAX. FRAME HEIGHT	NO. REQD.	MAX. O.C. SPACING
UP TO 90-3/4"	3	35-1/2"
ABOVE 90-3/4" UP TO 120-3/4"	4	30-1/2"

		Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1800		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
		REGISTRATION #29296		COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING	
ALUMINUM SWING DOOR (LM)		08/20/25		Date	
TESTED ANCHOR LOCATIONS		JENS ROSOWSKI		By	
FD450		7 OF 19		DWG No.	
Sheet		7 OF 19		DWG No.	
Series		Desc.		Title	

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

OUTSWING DETAILS



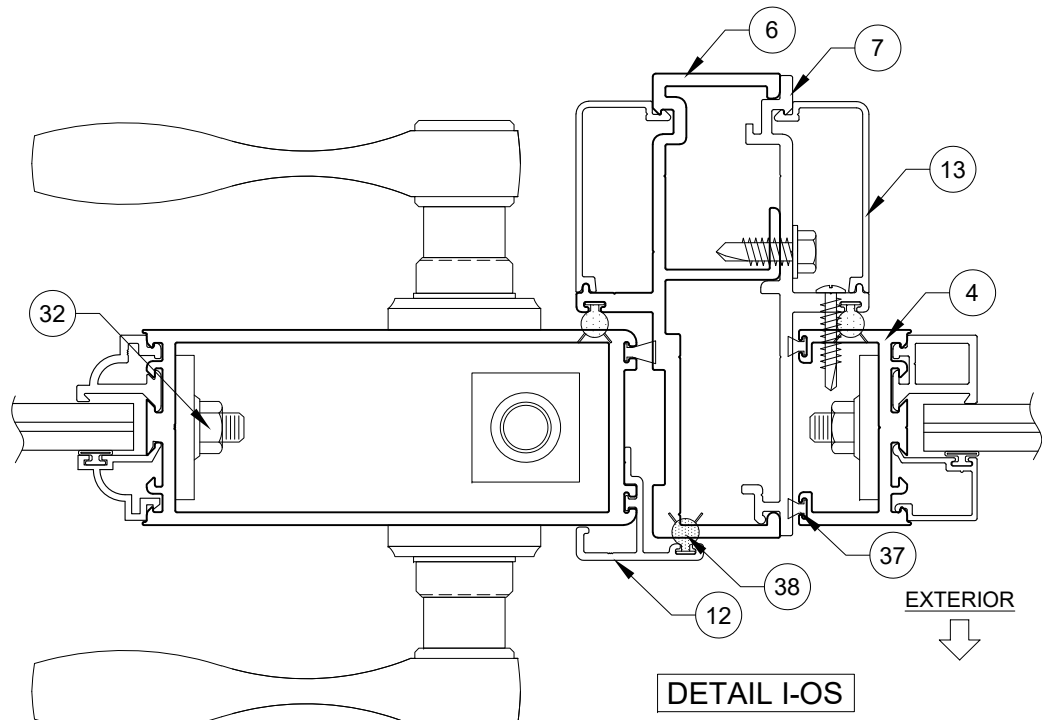
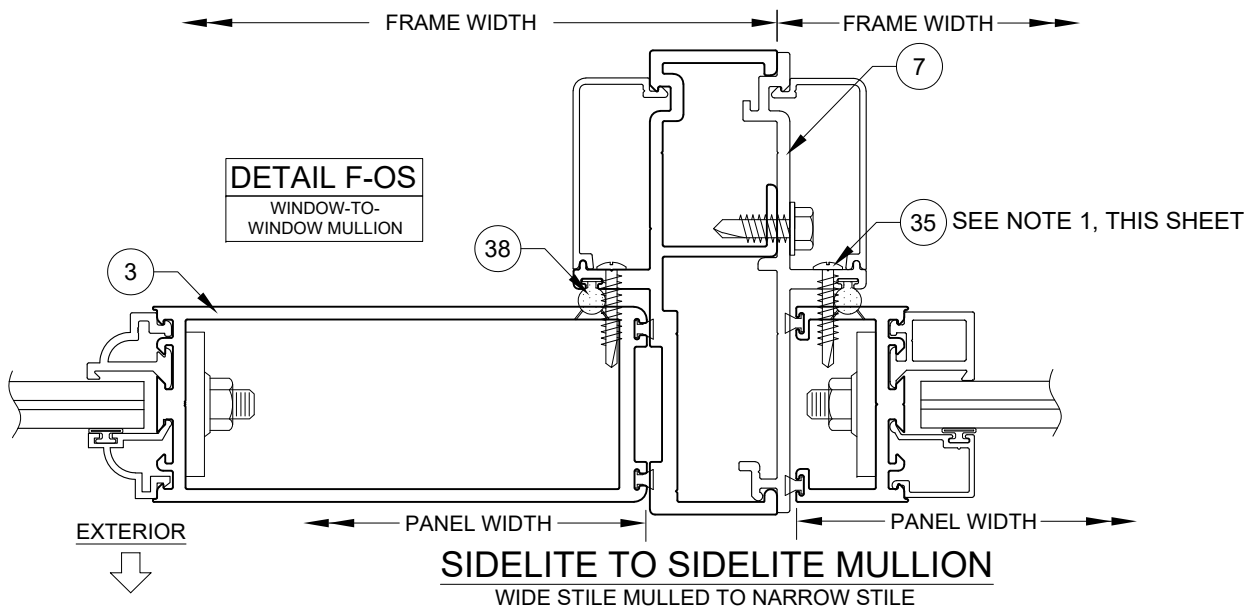
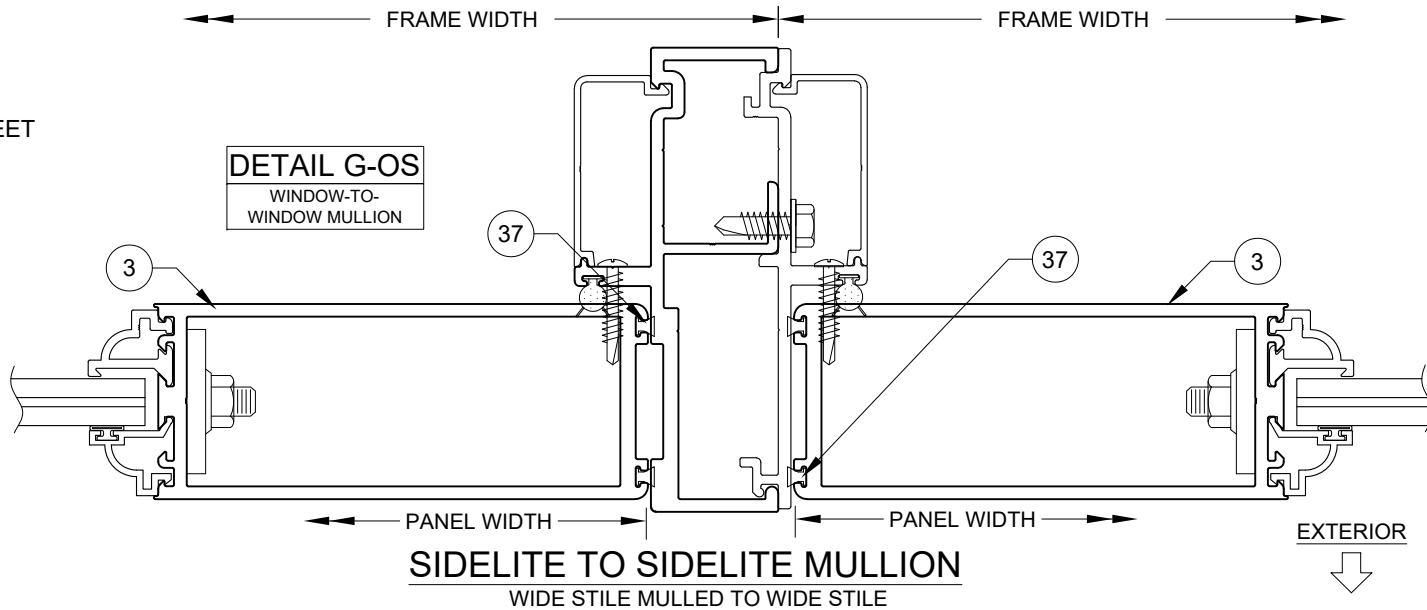
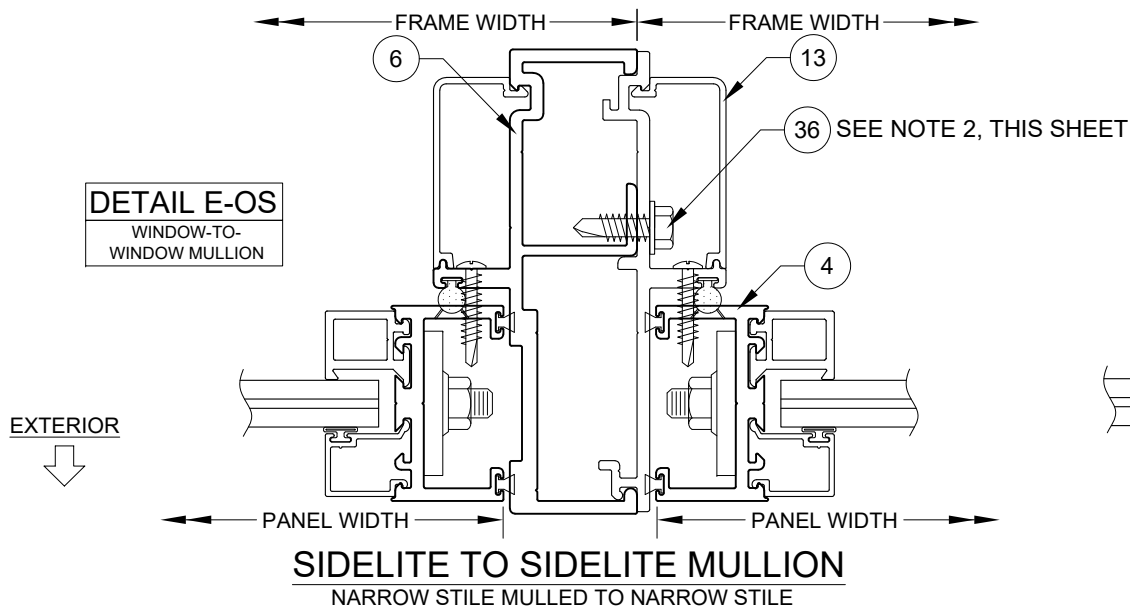
DOOR ASTRAGAL X-SECTION

SEE INSTALLATION NOTES, SHEET 11.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		Date 08/20/25	By JENS ROSOWSKI	No. 450-LM-PGT
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		X-SECTIONS (OUTSWING)		FD450
		8 OF 19		Sheet		

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

OUTSWING DETAILS



NOTES:

- 1) #10 X 1" SMS OR 3/16" X 1" KWIK-FLEX SDS @ 6" FROM CORNERS & 12" O.C.
- 2) #14 X 3/4" SMS @ 6" FROM CORNERS & 24-3/16" O.C.
- 3) SEE INSTALLATION NOTES, SHEET 11.

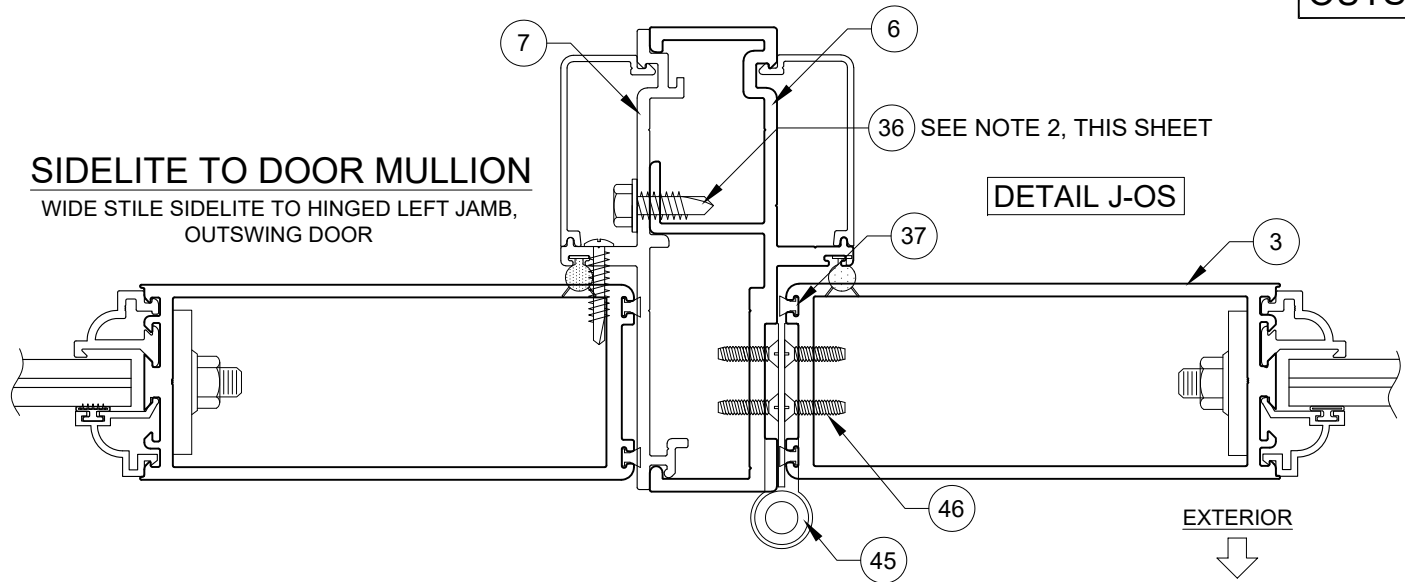
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		Date 08/20/25	By JENS ROSOWSKI	450-LM-PGT
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		X-SECTIONS (OUTSWING)		
FD450		9 OF 19		DWG No.		
Series		Desc.		Title		

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

OUTSWING DETAILS

SIDELITE TO DOOR MULLION

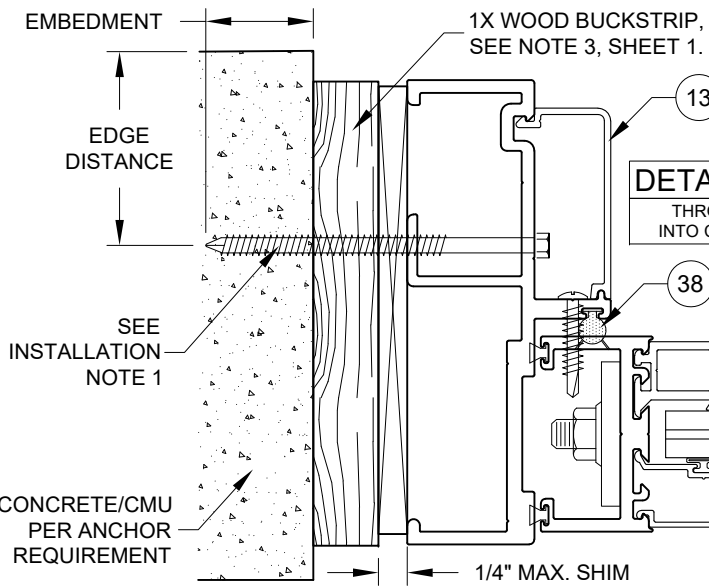
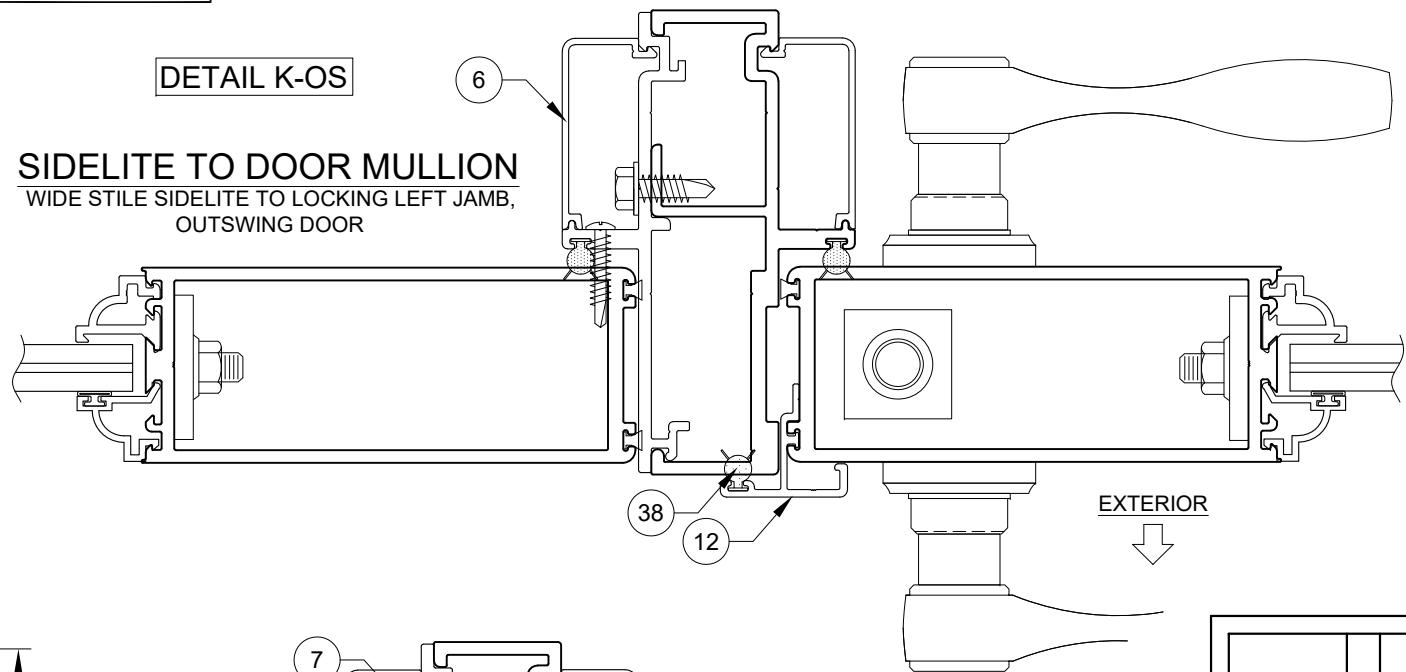
WIDE STILE SIDELITE TO HINGED LEFT JAMB,
OUTSWING DOOR



DETAIL K-OS

SIDELITE TO DOOR MULLION

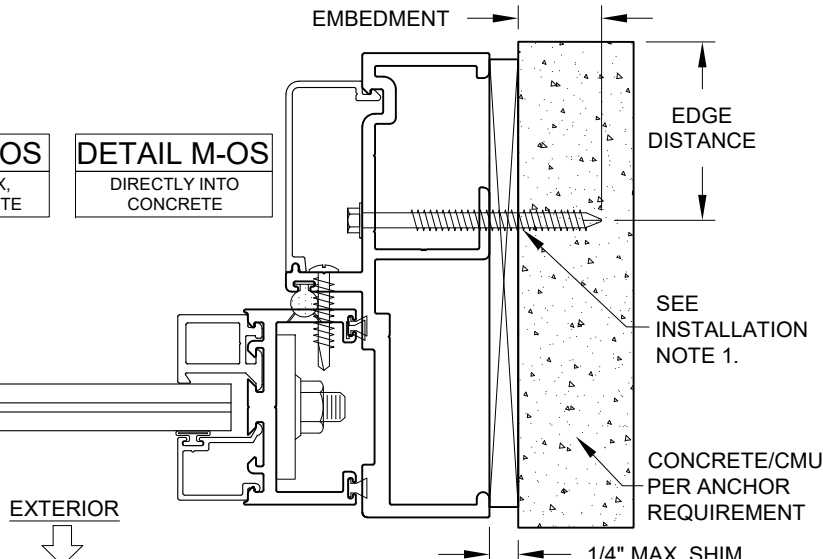
WIDE STILE SIDELITE TO LOCKING LEFT JAMB,
OUTSWING DOOR



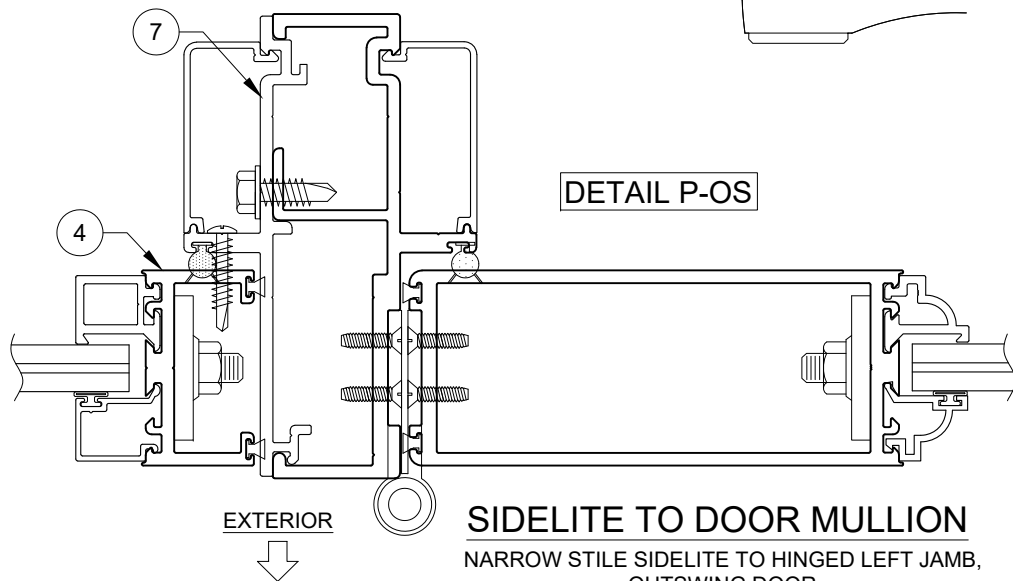
SIDELITE JAMB
LEFT, NARROW STILE

DETAIL L-OS
THROUGH 1X,
INTO CONCRETE

DETAIL M-OS
DIRECTLY INTO
CONCRETE

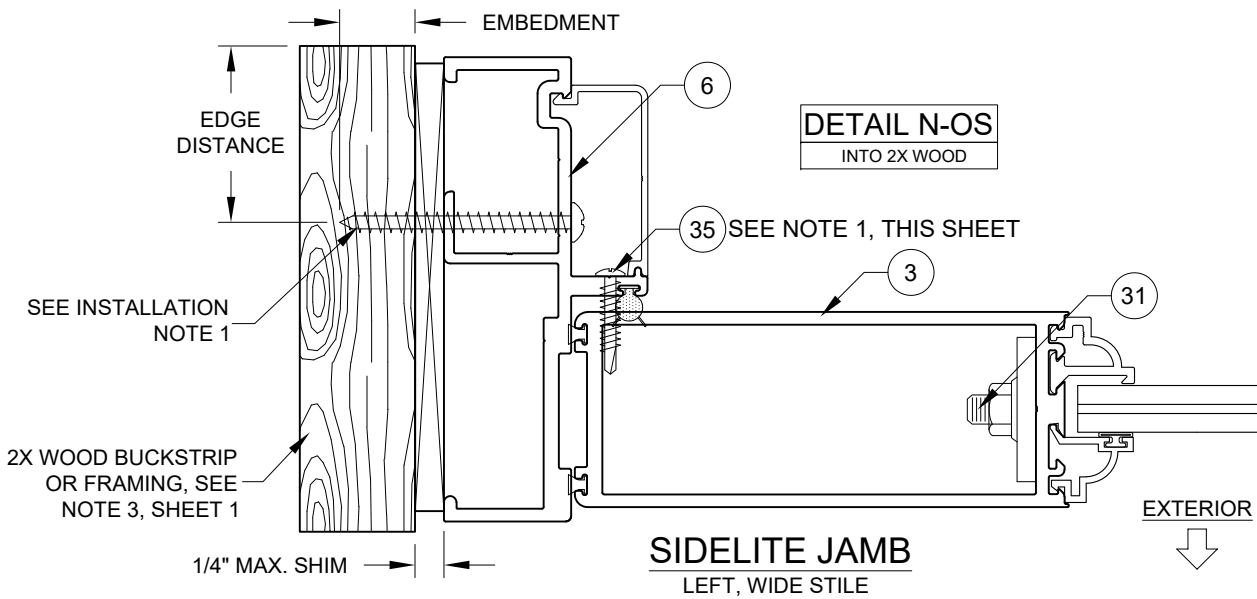


SIDELITE JAMB
RIGHT, NARROW STILE



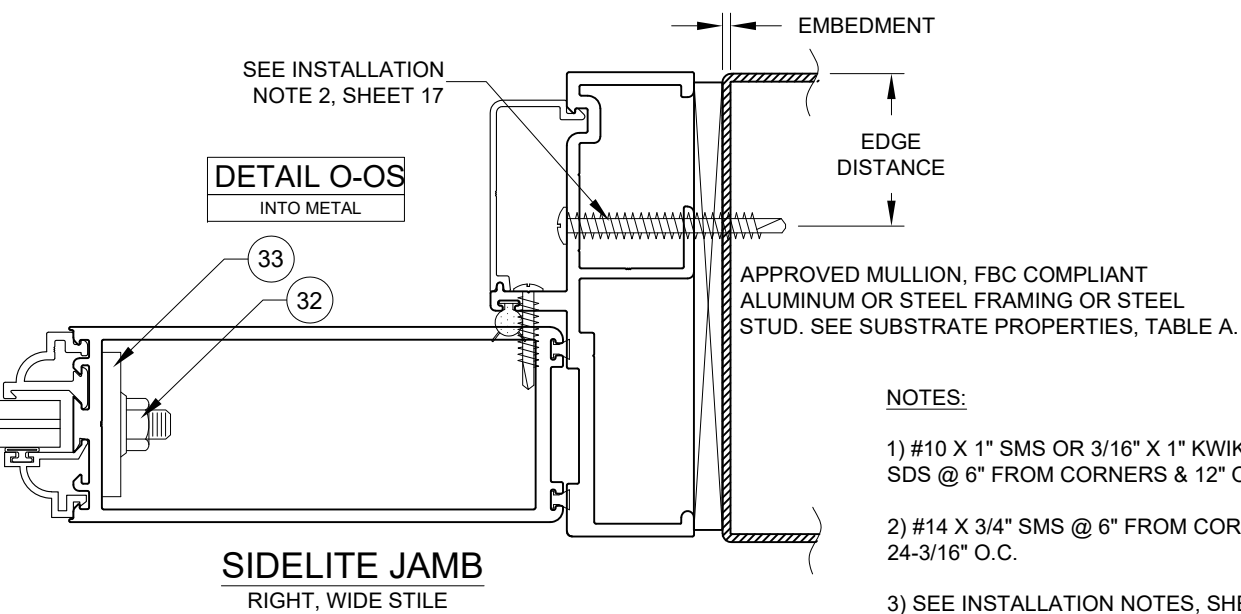
SIDELITE TO DOOR MULLION
NARROW STILE SIDELITE TO HINGED LEFT JAMB,
OUTSWING DOOR

DETAIL N-OS
INTO 2X WOOD



SIDELITE JAMB
LEFT, WIDE STILE

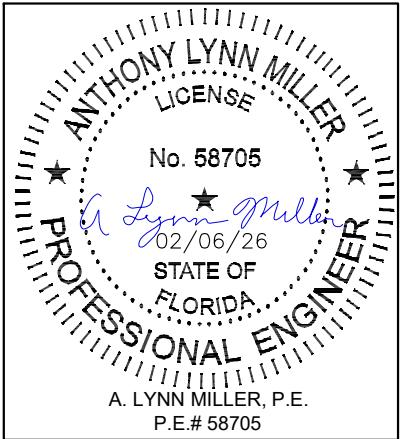
DETAIL O-OS
INTO METAL



SIDELITE JAMB
RIGHT, WIDE STILE

- NOTES:
- 1) #10 X 1" SMS OR 3/16" X 1" KWIK-FLEX SDS @ 6" FROM CORNERS & 12" O.C.
 - 2) #14 X 3/4" SMS @ 6" FROM CORNERS & 24-3/16" O.C.
 - 3) SEE INSTALLATION NOTES, SHEET 11.

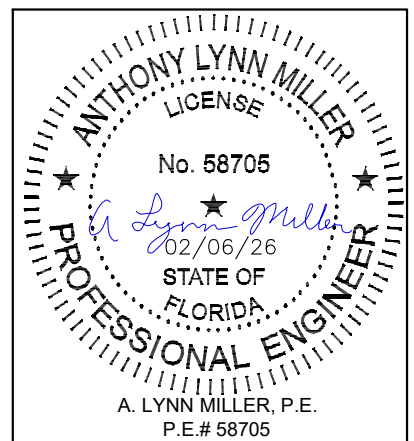
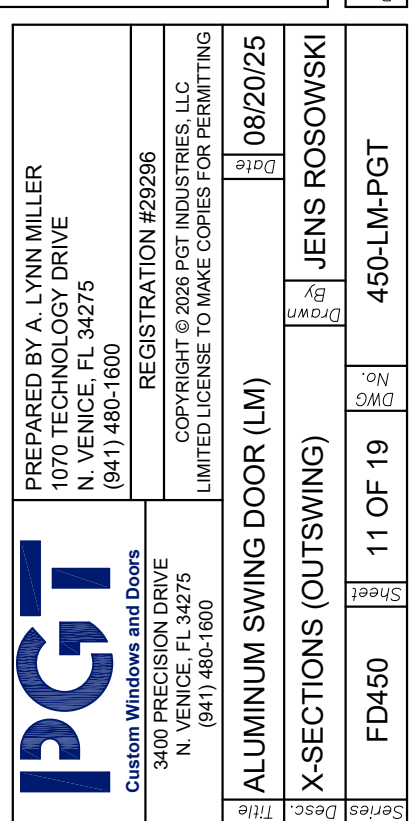
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		08/20/25 Date	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		JENS ROSOWSKI By	
FD450		10 OF 19		450-LM-PGT	
X-SECTIONS (OUTSWING)		DWG		Rev.	
Series		No.		Date	
Desc.		Sheet		Rev.	
Title		10 OF 19		02/06/26	
C		Rev.		02/06/26	
Date		Rev.		02/06/26	



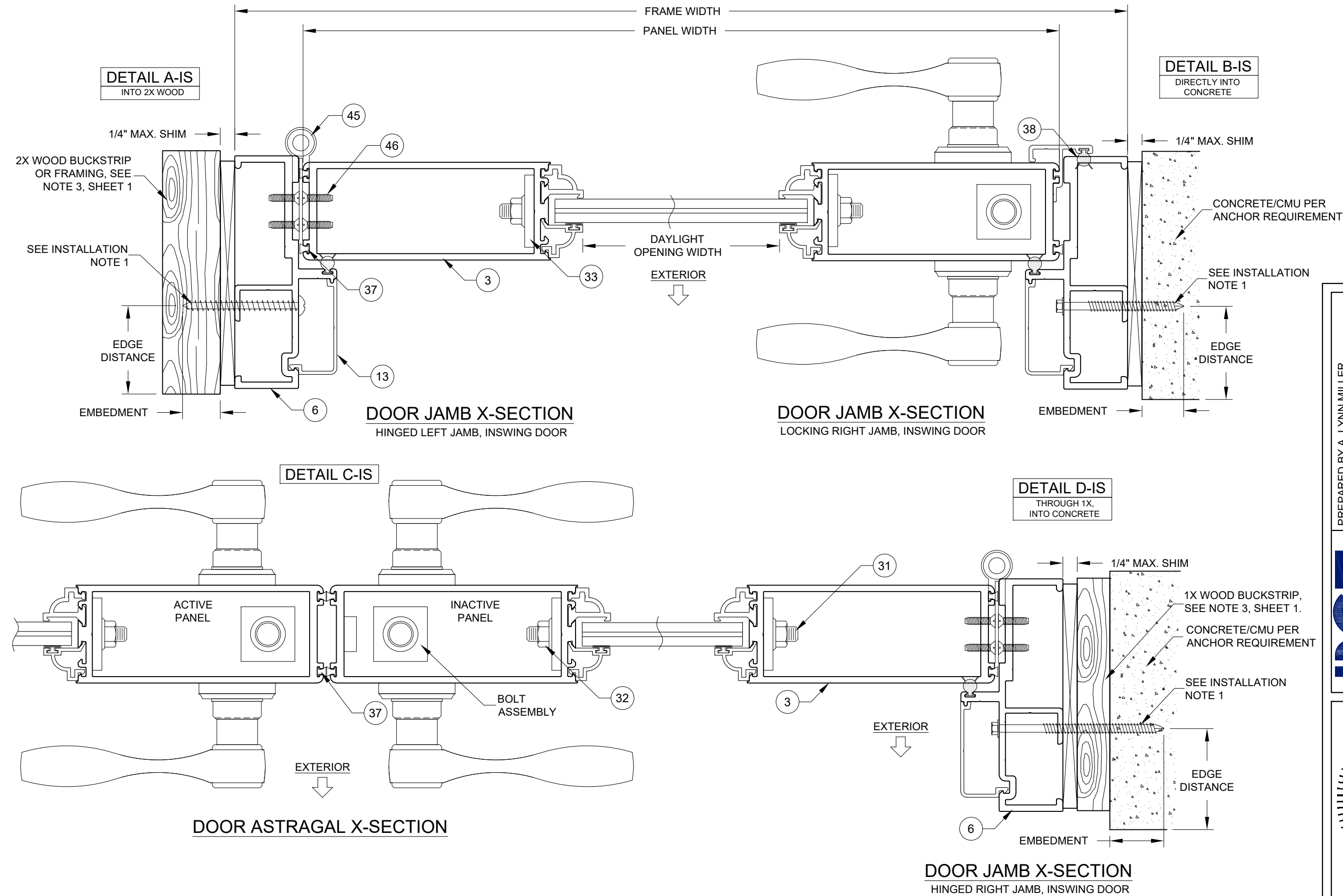
Rev.#	02/06/26	C
Date		



-
- DETAIL U-OS**
- TRUE MUNTIN**
- EXTERIOR
- 8, 14, 31, 32



INSWING DETAILS

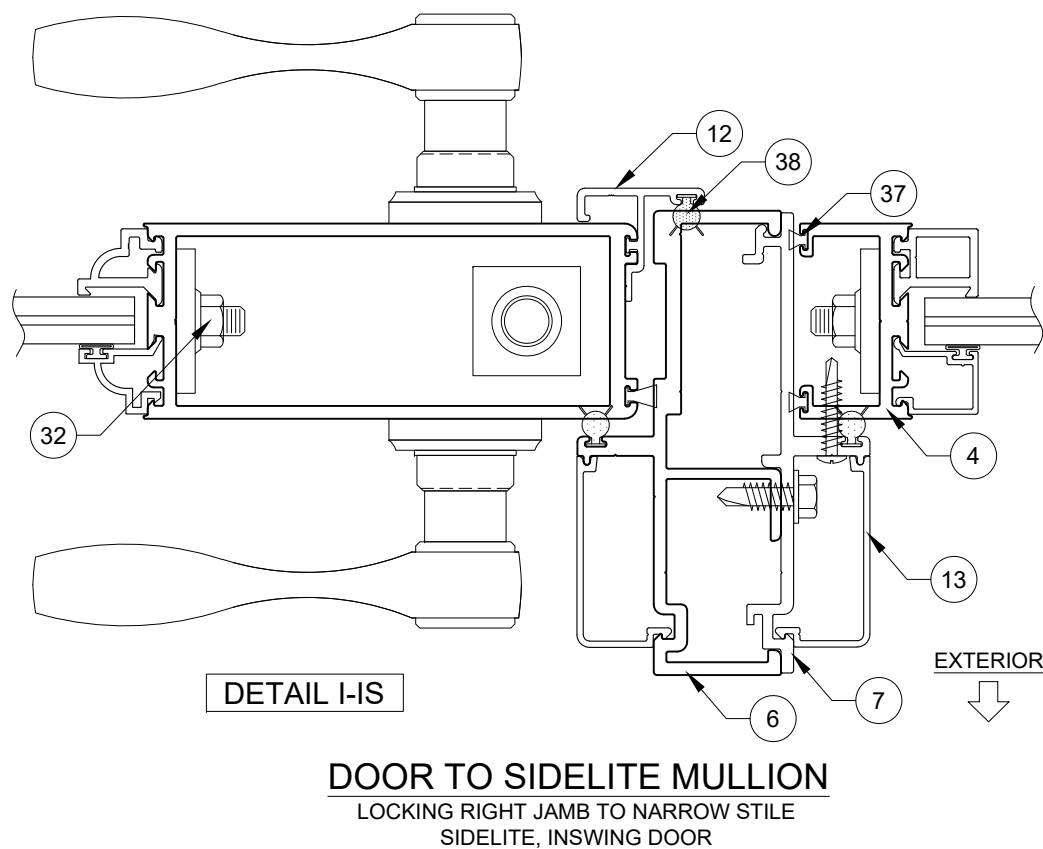
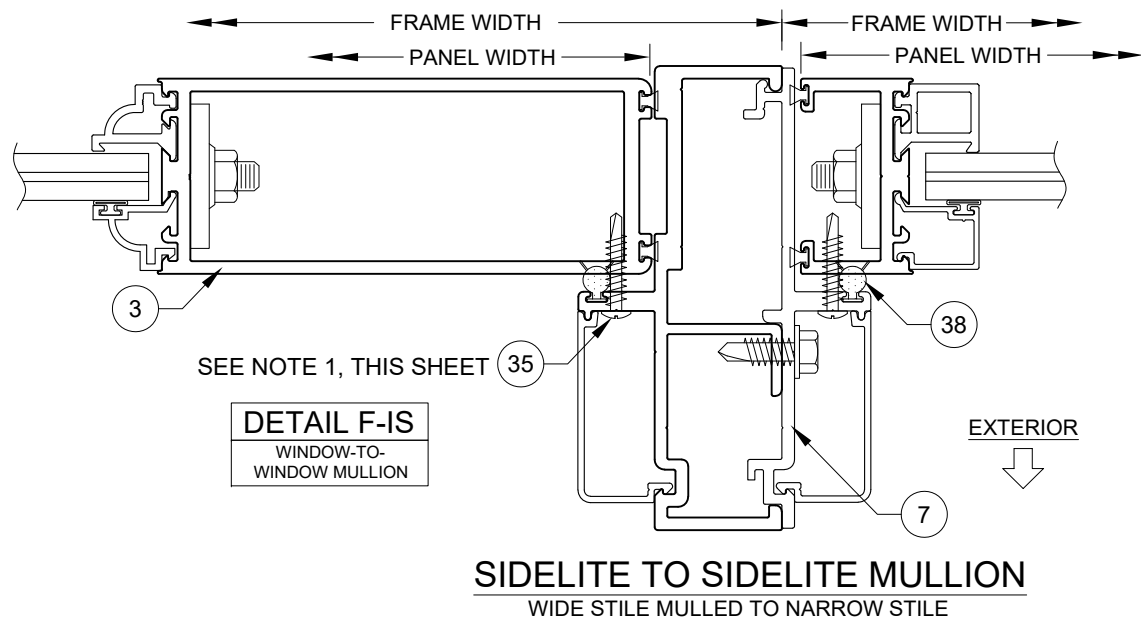
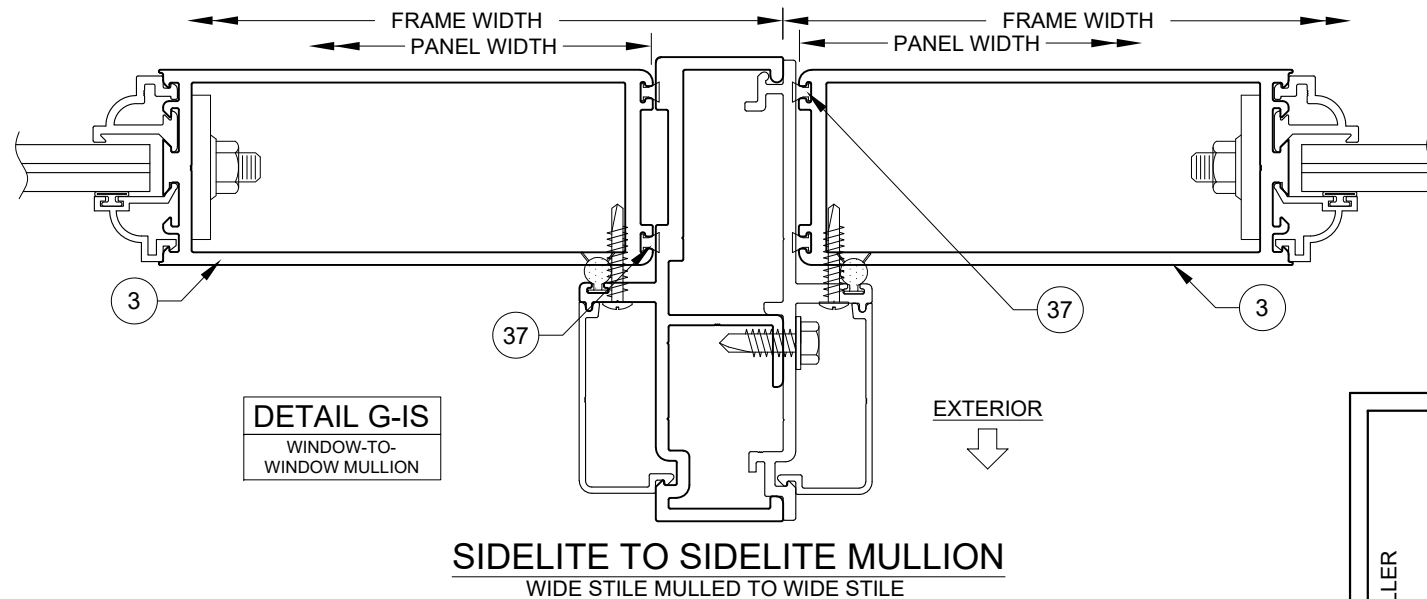
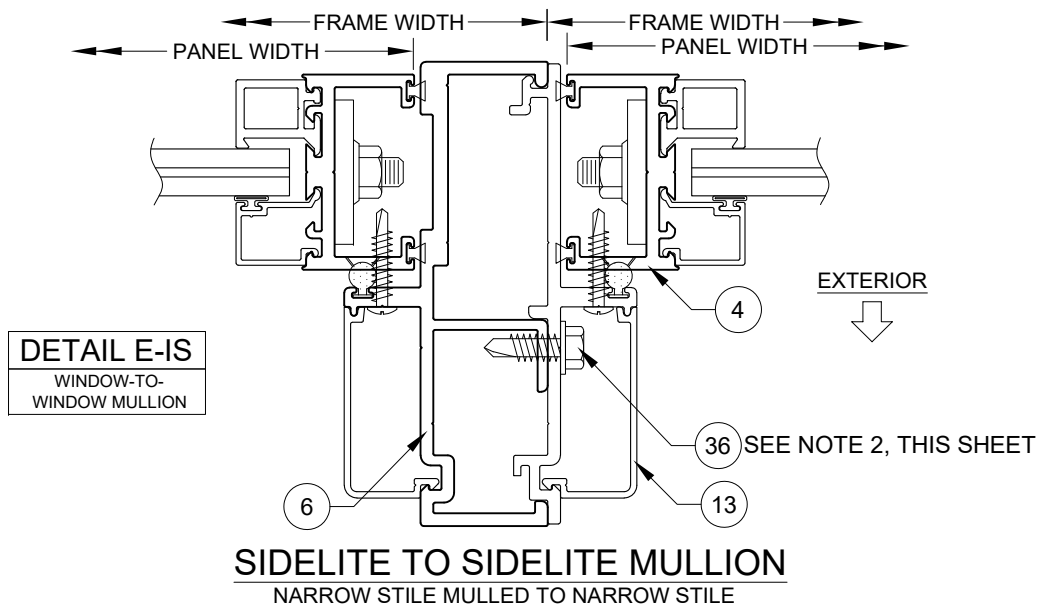


SEE INSTALLATION NOTES, SHEET 15.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		08/20/25 Date		JENS ROSOWSKI By		450-LM-PGT	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		12 OF 19		FD450			
X-SECTIONS (INSWING)		Series Desc. Title		Sheet		DWG No.			

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

INSWING DETAILS



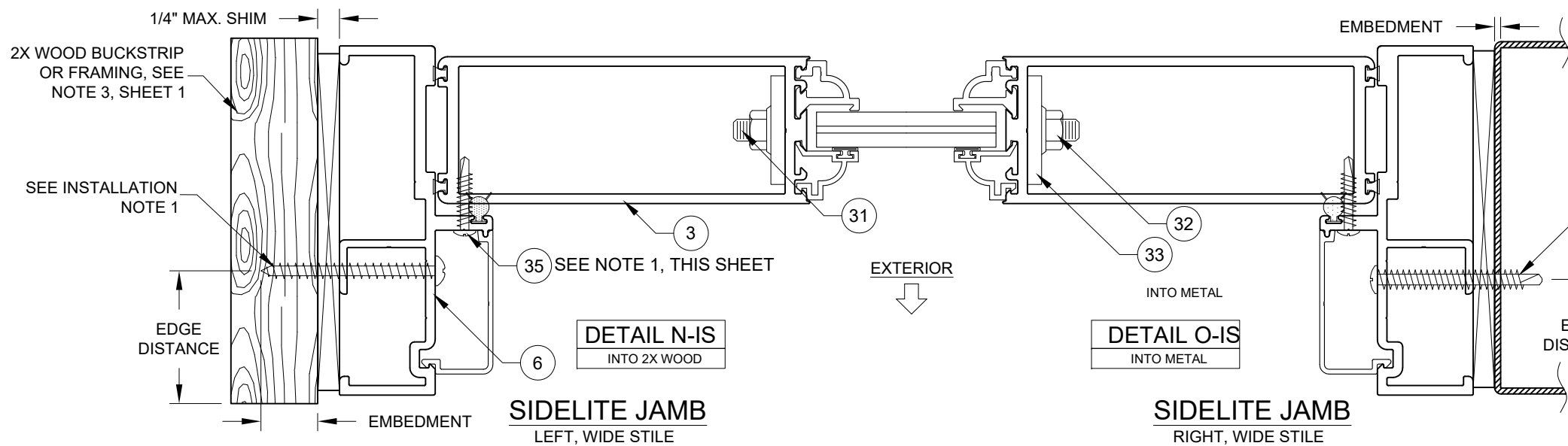
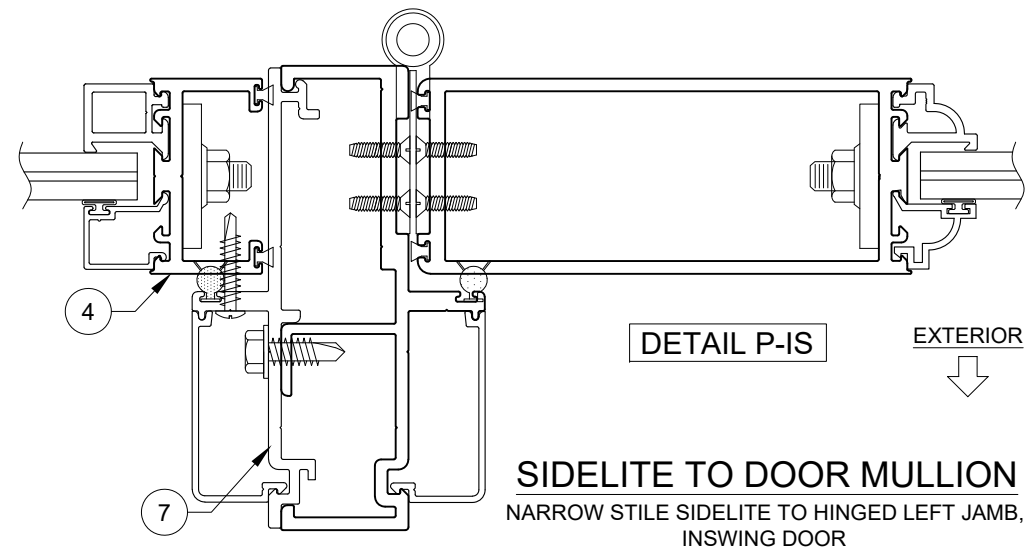
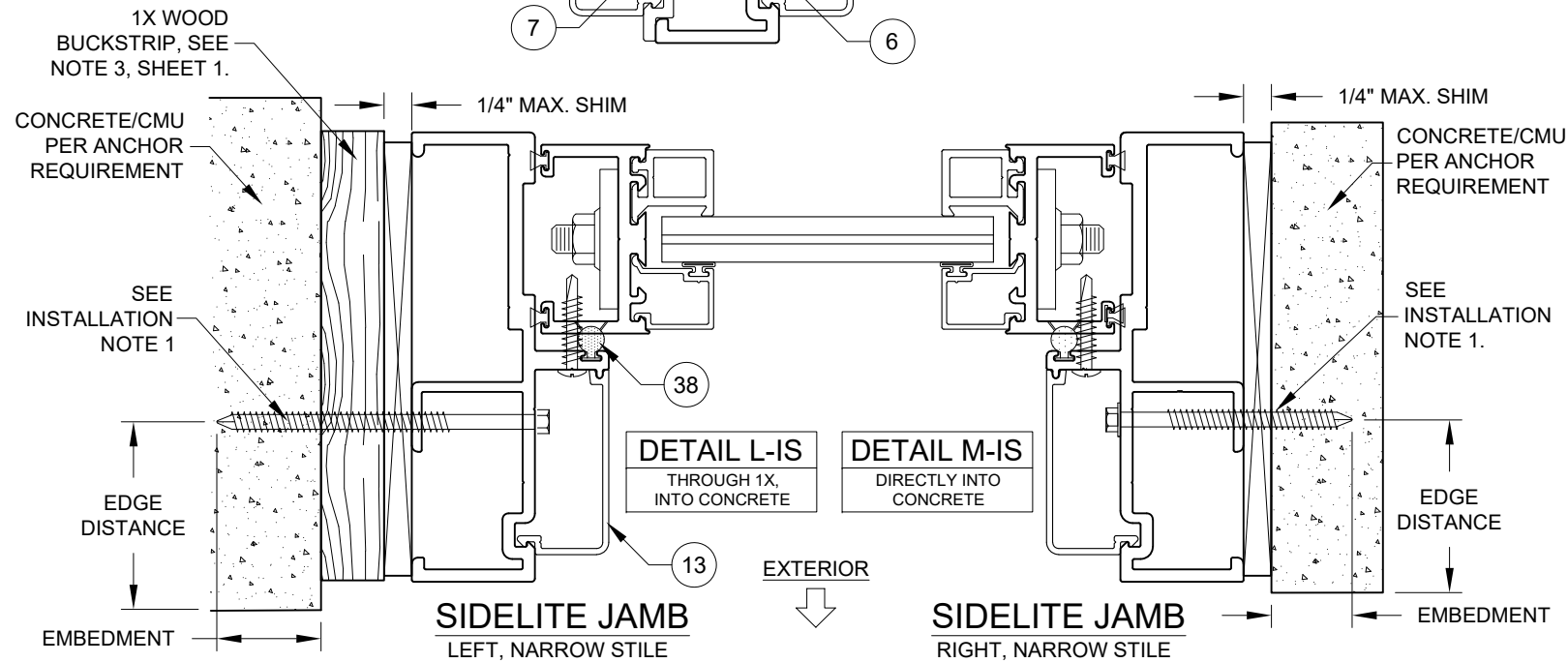
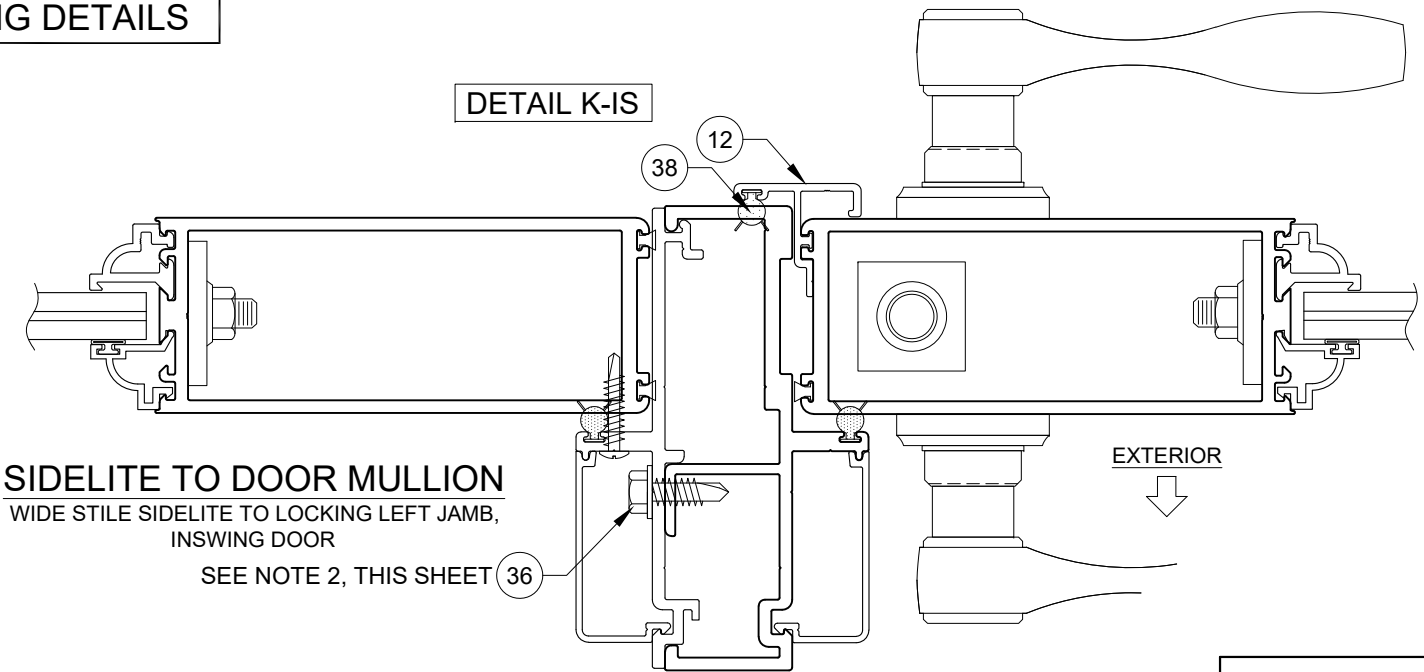
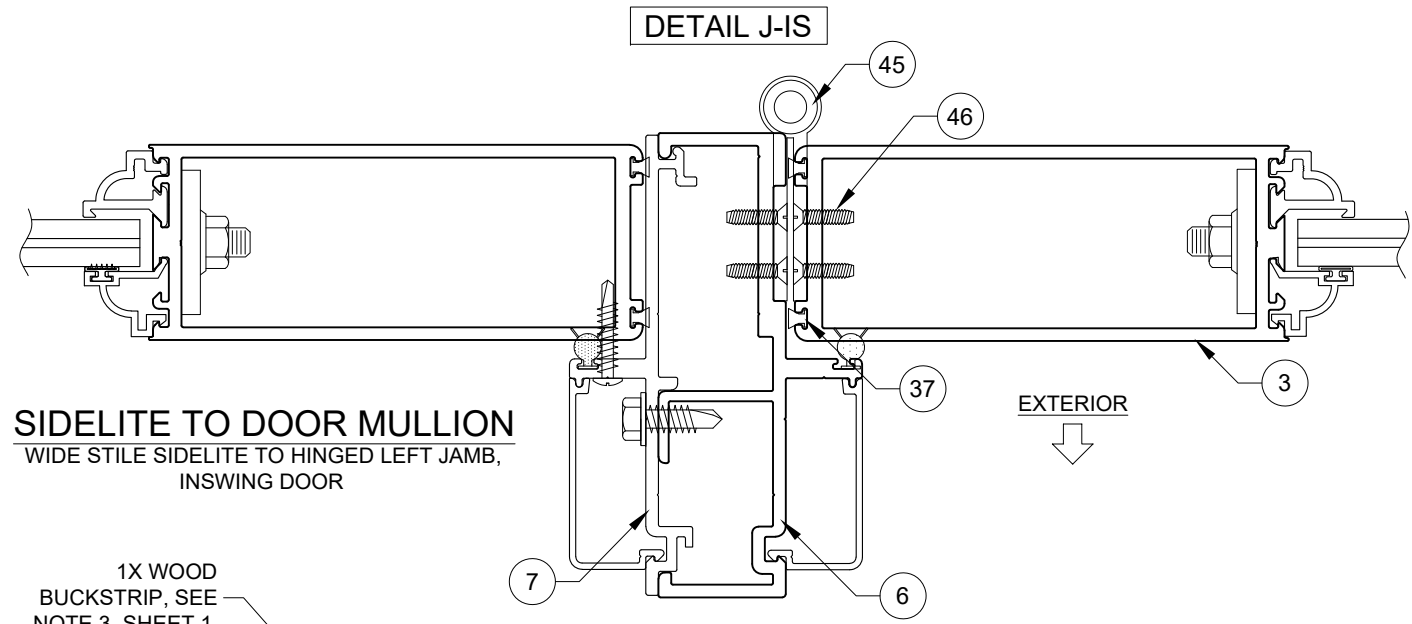
NOTES:

- 1) #10 X 1" SMS OR 3/16" X 1" KWIK-FLEX SDS @ 6" FROM CORNERS & 12" O.C.
- 2) #14 X 3/4" SMS @ 6" FROM CORNERS & 24-3/16" O.C.
- 3) SEE INSTALLATION NOTES, SHEET 11.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		08/20/25 Date		JENS ROSOWSKI By		450-LM-PGT	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		13 OF 19		FD450		Sheet	
X-SECTIONS (INSWING)		Series		Desc.		Title			

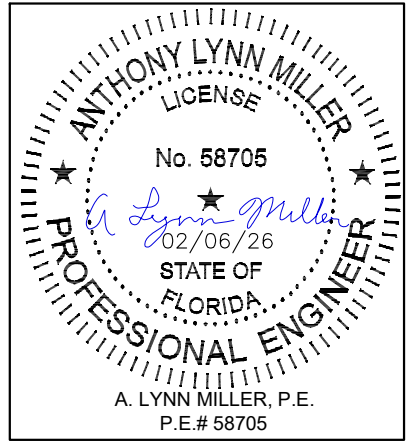
ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

INSWING DETAILS



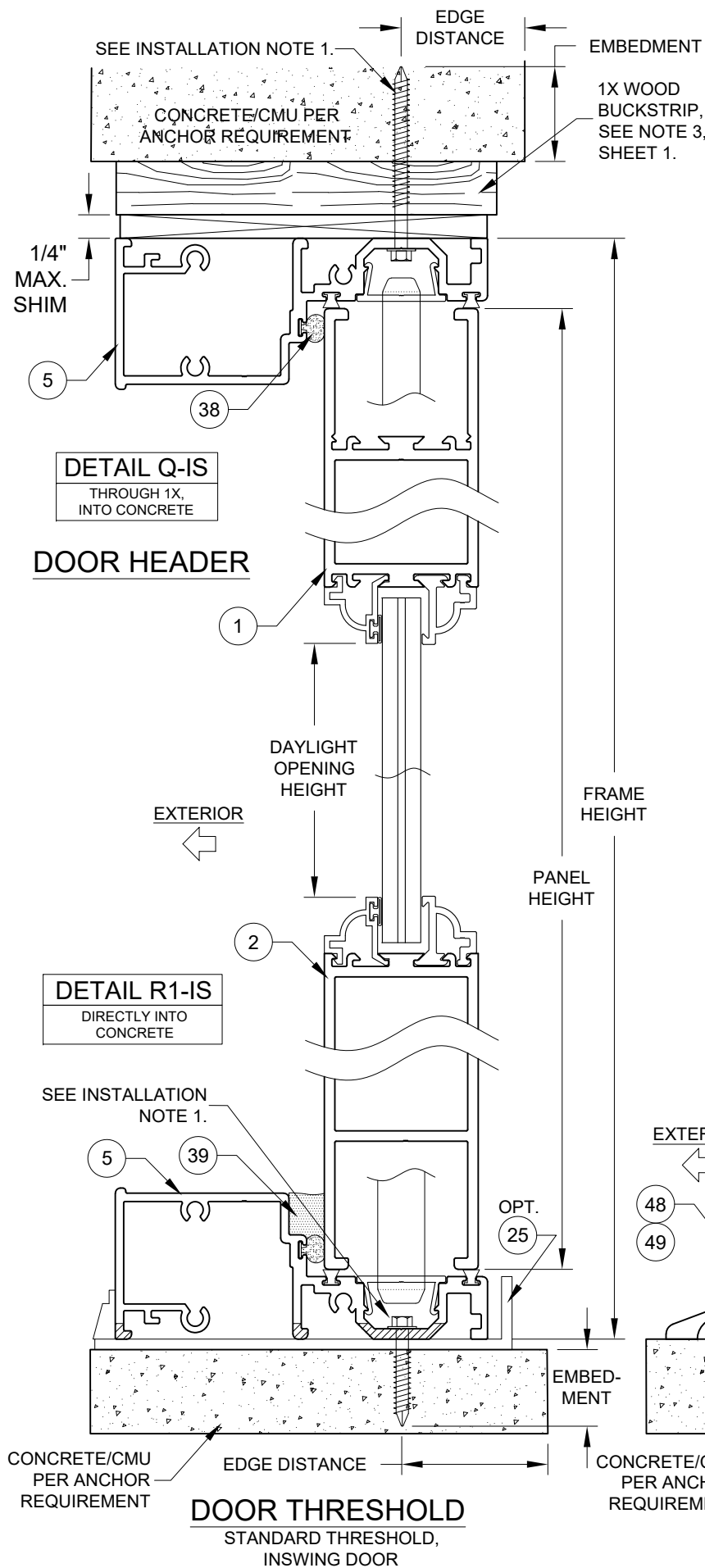
- NOTES:**
- 1) #10 X 1" SMS OR 3/16" X 1" KWIK-FLEX SDS @ 6" FROM CORNERS & 12" O.C.
 - 2) #14 X 3/4" SMS @ 6" FROM CORNERS & 24-3/16" O.C.
 - 3) SEE INSTALLATION NOTES, SHEET 11.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		08/20/25 Date		JENS ROSOWSKI By		450-LM-PGT	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		14 OF 19		FD450		X-SECTIONS (INSWING)	
Series		Desc.		Title		Sheet		DWG	



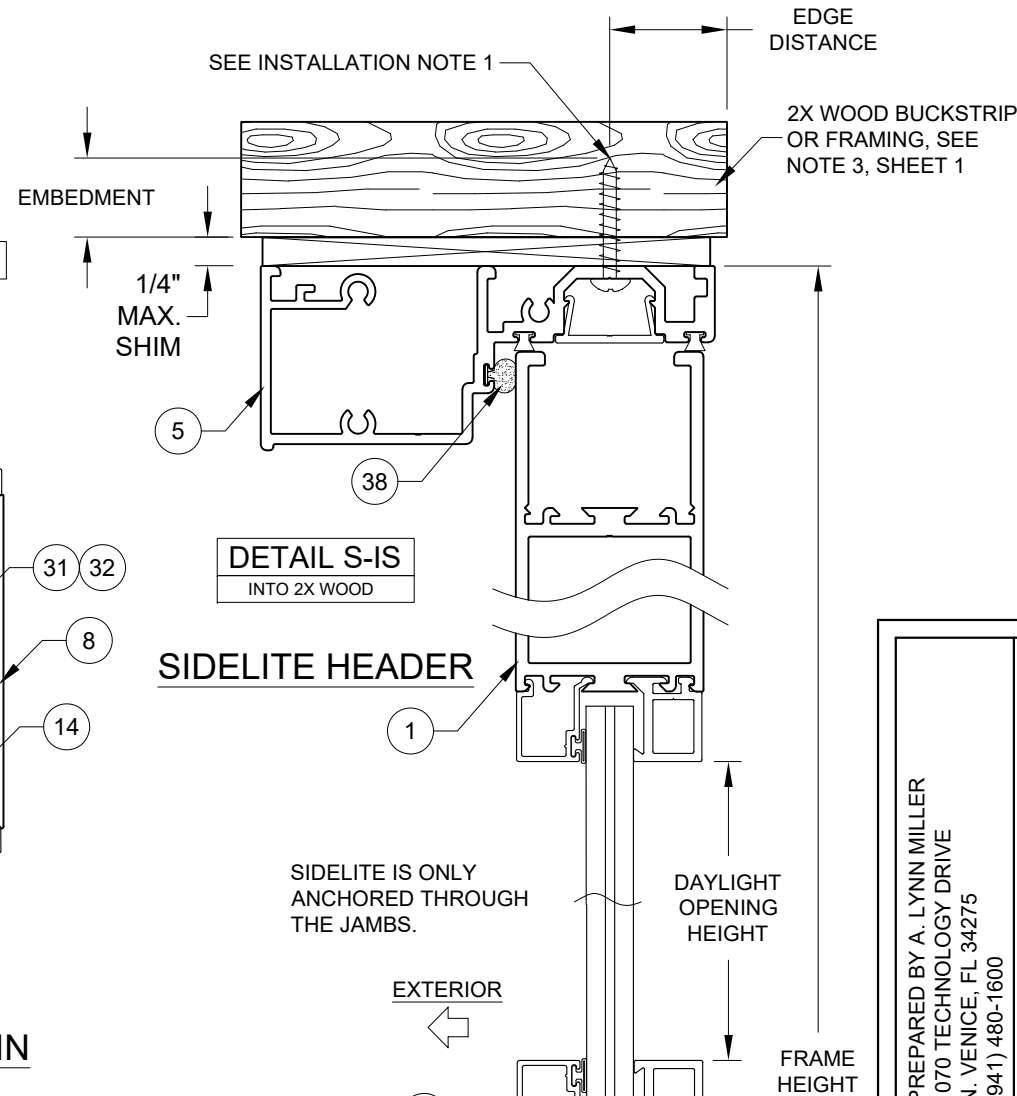
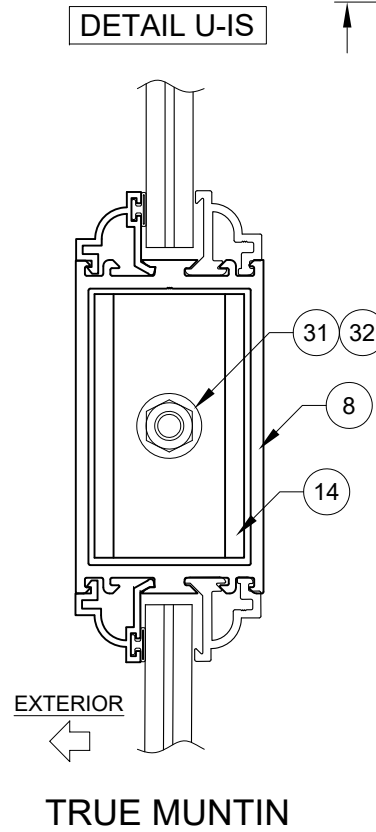
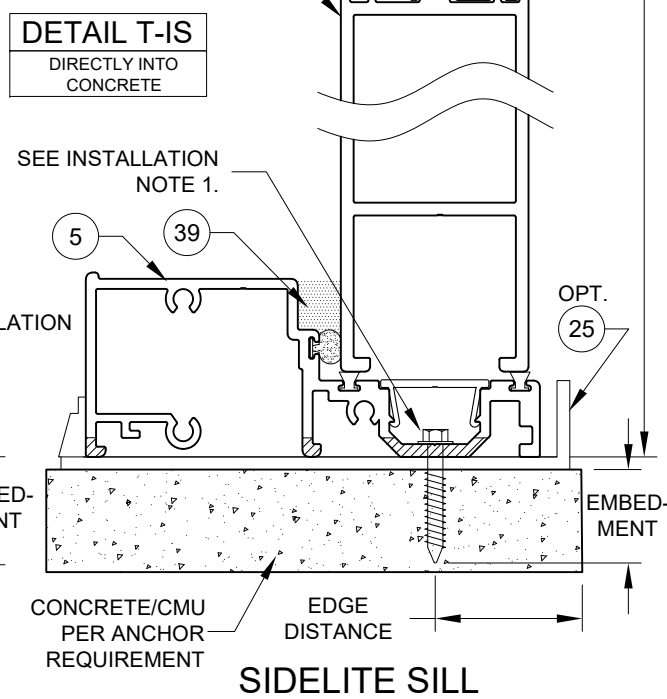
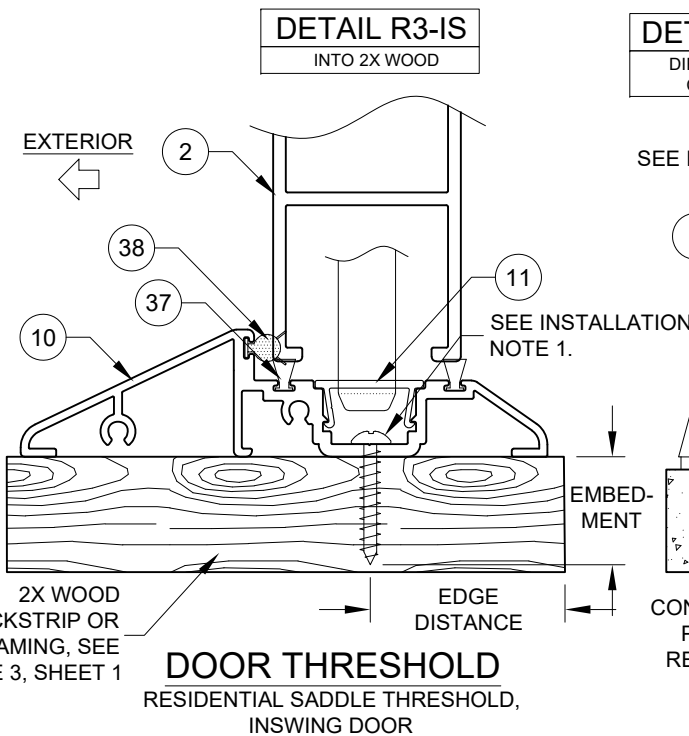
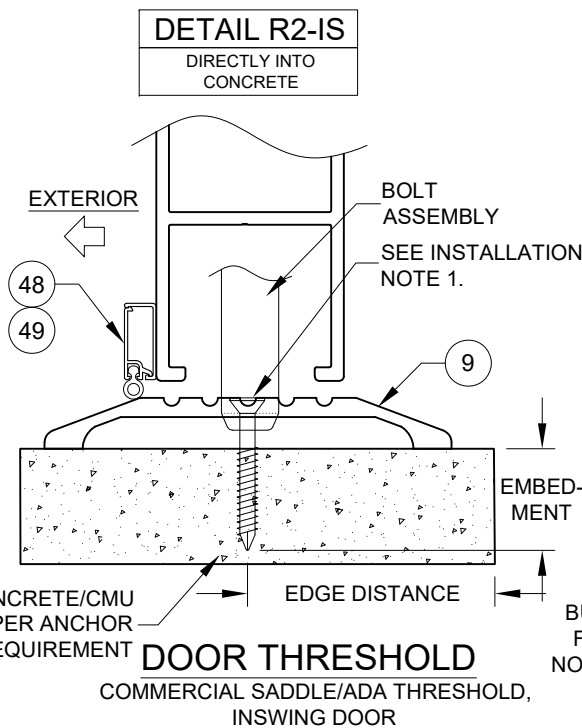
Rev.	C
Date	02/06/26

INSWING DETAILS



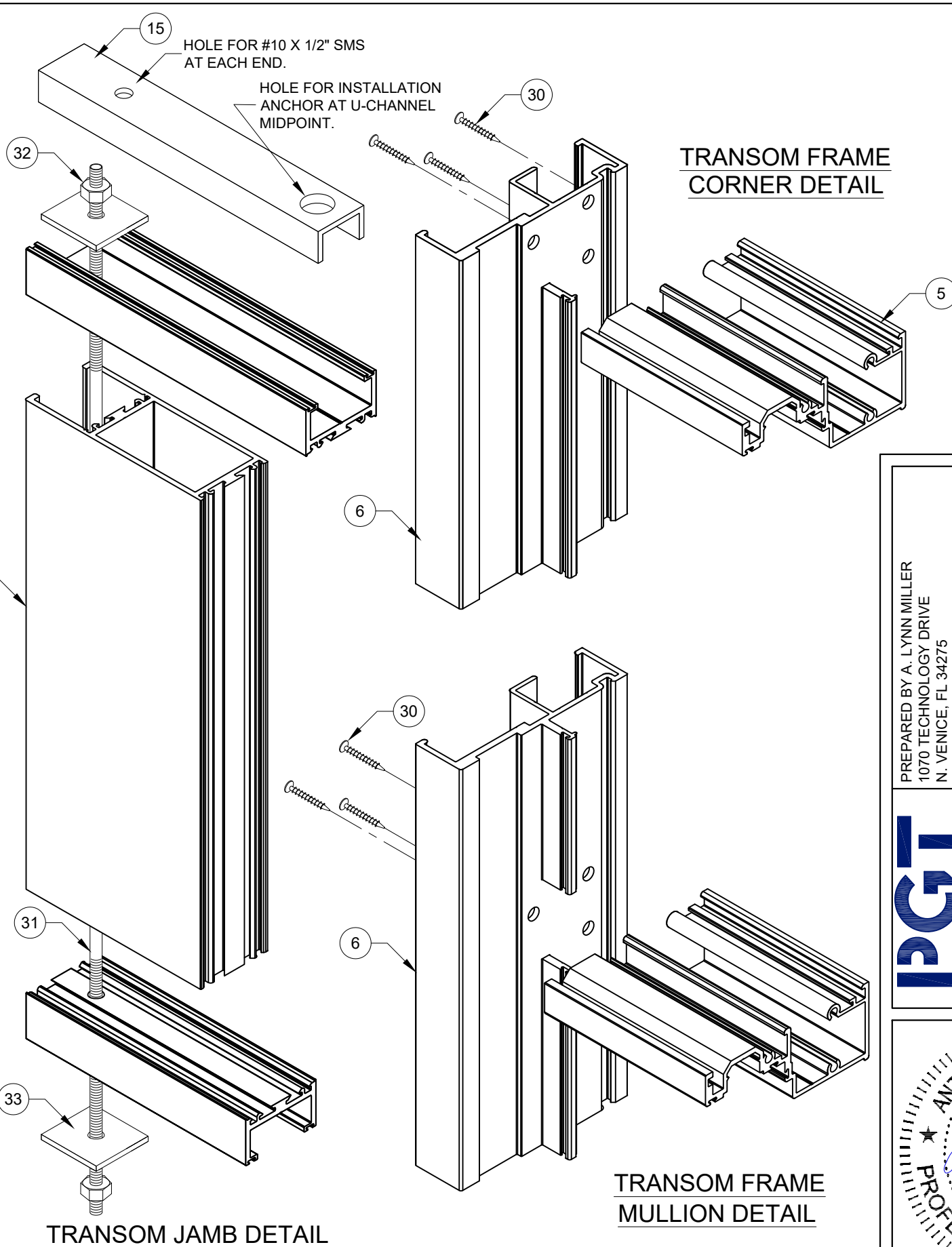
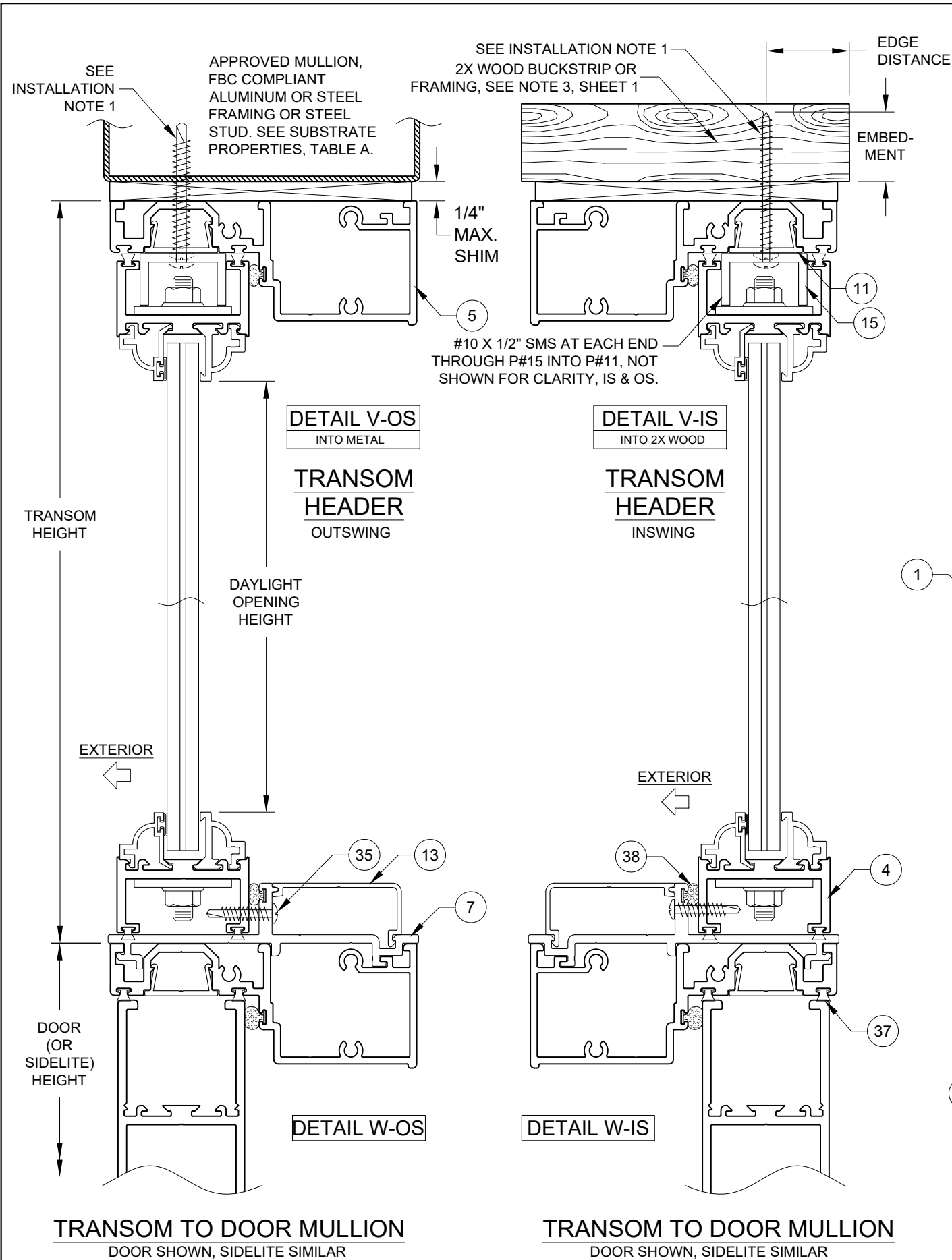
INSTALLATION NOTES:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE A. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR OR SIDELITE.
- 2) SEE SHEET 6 FOR ANCHOR LOCATIONS & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 3 & 5.
- 3) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 4) 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.
- 5) BEADING AND GLASS TYPE SHOWN IN DETAILS MAY VARY FROM ACTUAL. SEE GLAZING DETAILS SHEET FOR FURTHER OPTIONS.



PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296	08/20/25	JENS ROSOWSKI	450-LM-PGT
PGI Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING	By	DWG	15 OF 19
ALUMINUM SWING DOOR (LM)		X-SECTIONS (INSWING)	FD450	Sheet	Series

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



SEE INSTALLATION NOTES, SHEET 11.

ALL CORNERS TO BE SEALED WITH SILICONE SILPRUF OR EQUIVALENT. DETAILS MAY BE FOR INSWING OR OUTSWING DOORS.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		08/20/25 Date	JENS ROSOWSKI By	450-LM-PGT No.
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM) Title		TRANSOM DETAILS Desc.		16 OF 19 Sheet
FD450 Series		TRANSOM DETAILS Desc.		JENS ROSOWSKI By		450-LM-PGT No.

ANTHONY LYNN MILLER

LICENSE

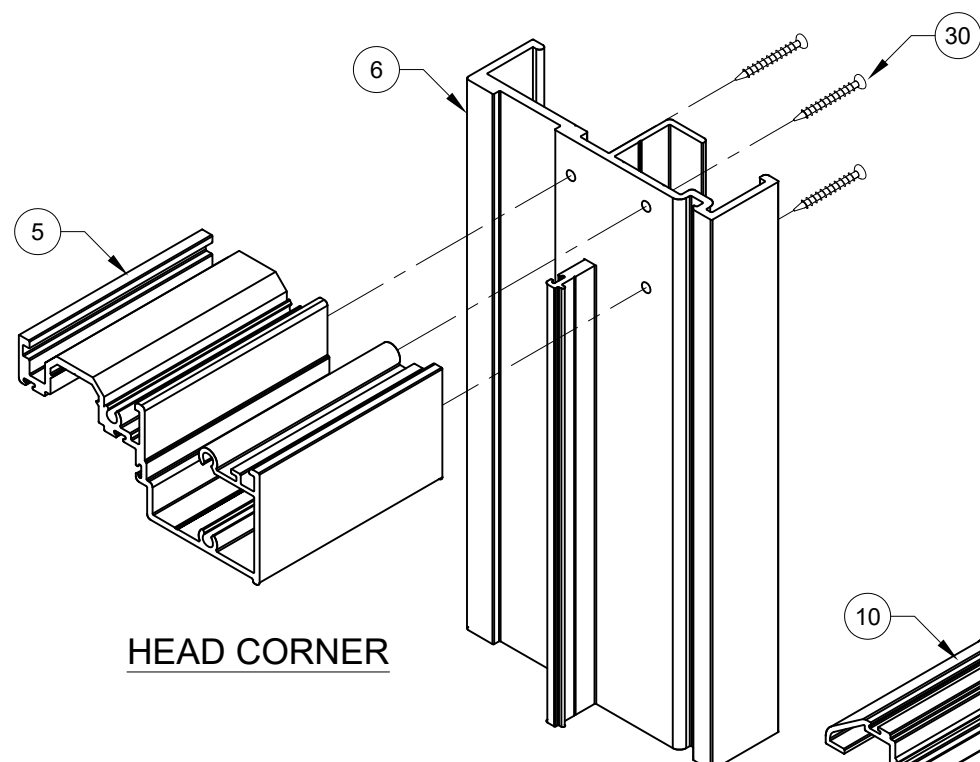
No. 58705

02/06/26

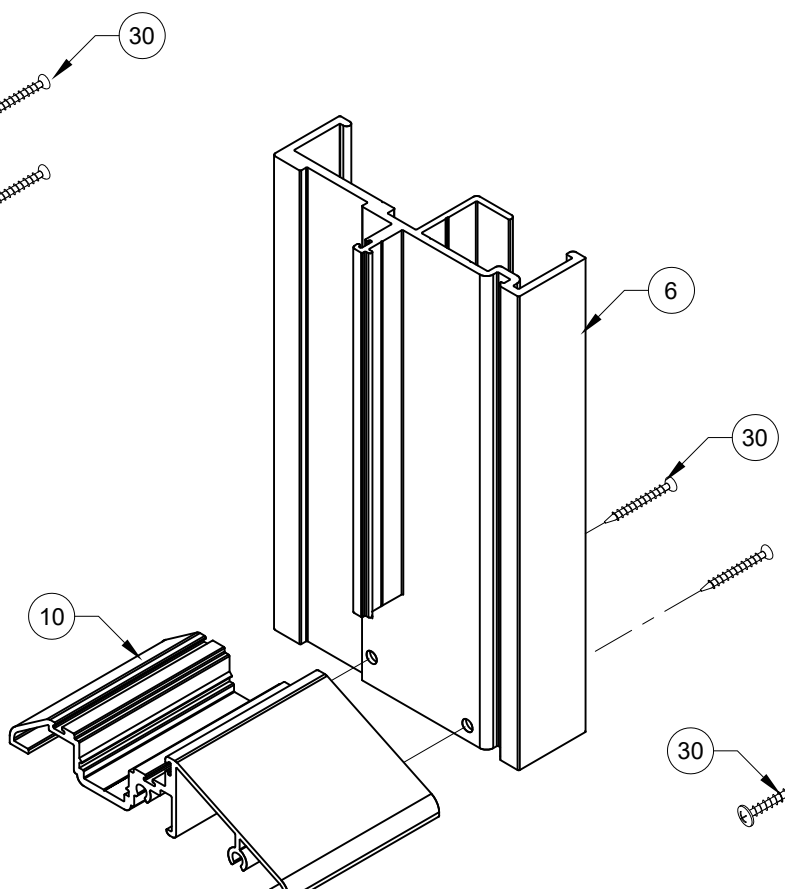
STATE OF FLORIDA

PROFESSIONAL ENGINEER

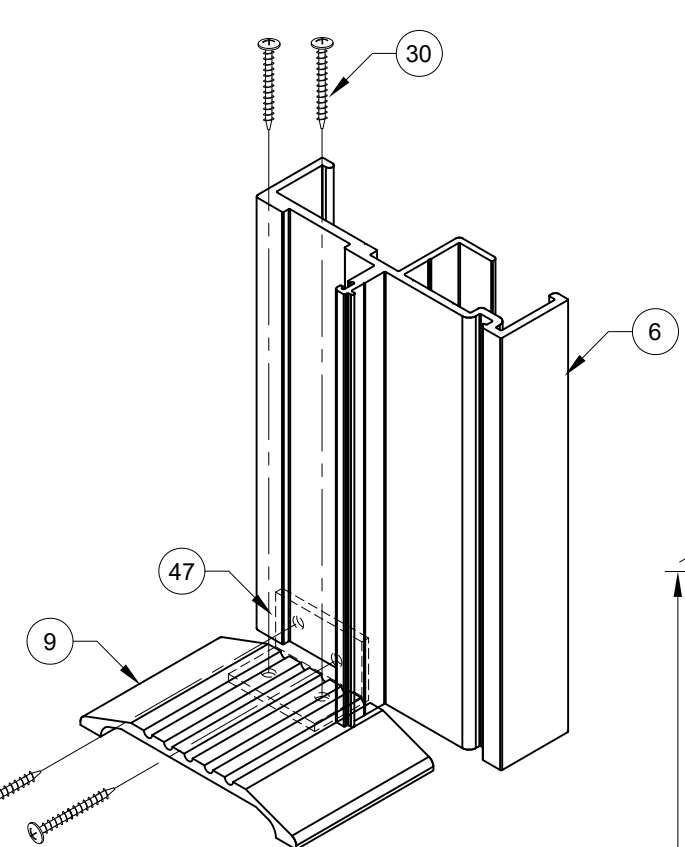
A. LYNN MILLER, P.E.
P.E.# 58705



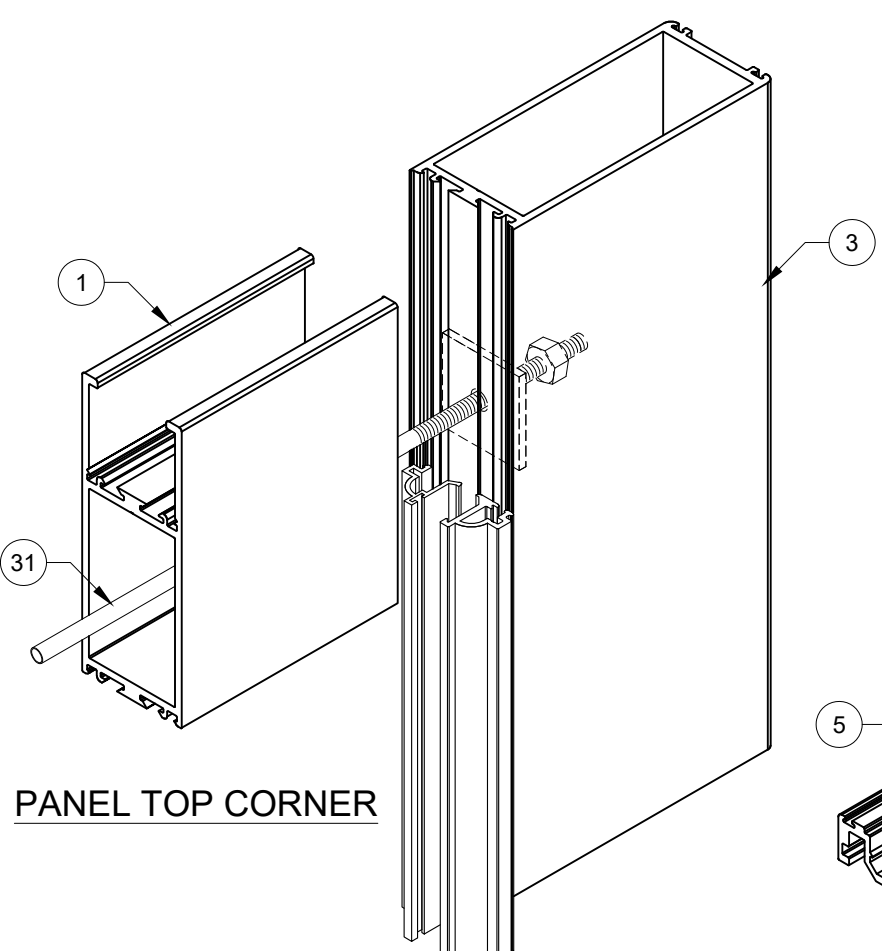
HEAD CORNER



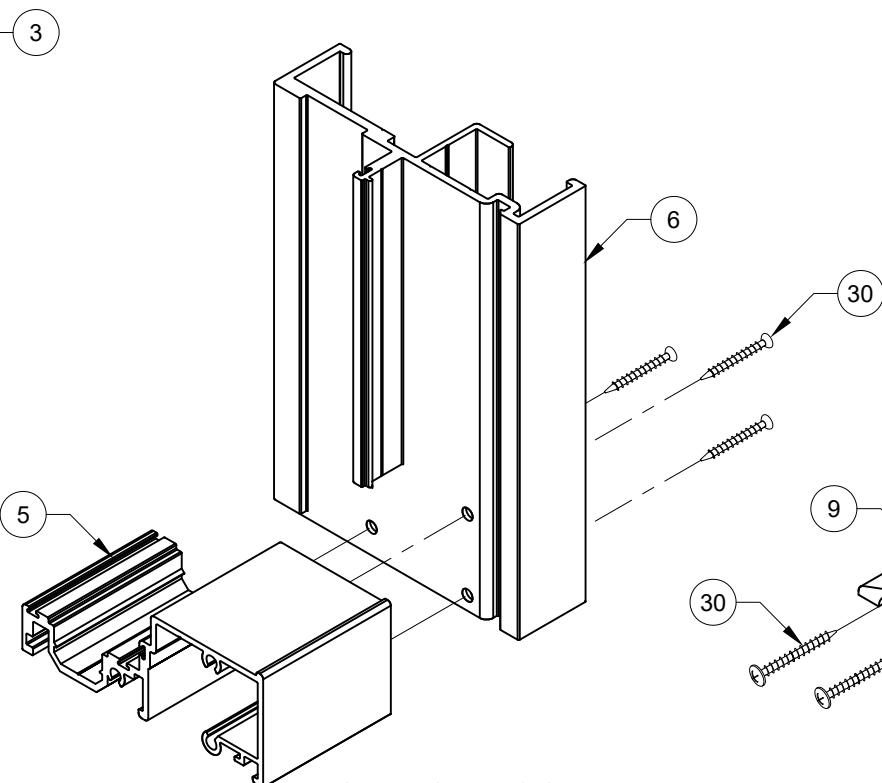
RESIDENTIAL SADDLE SILL



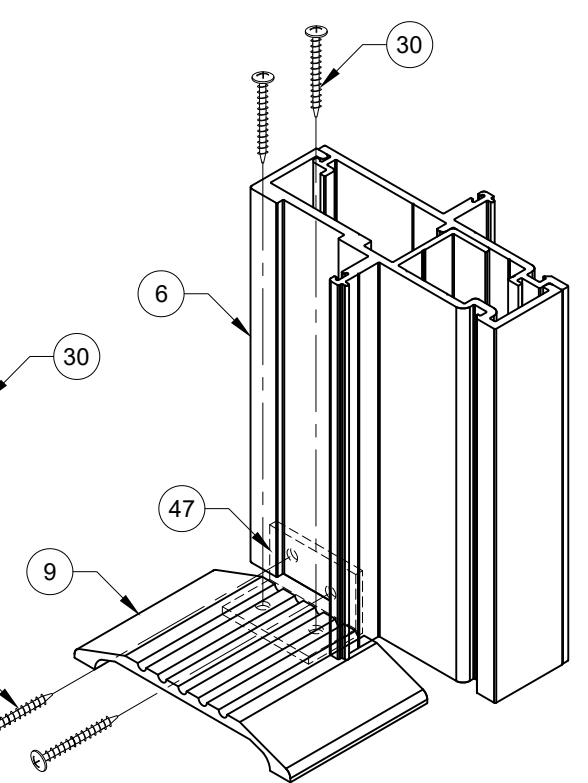
ADA SILL CORNER



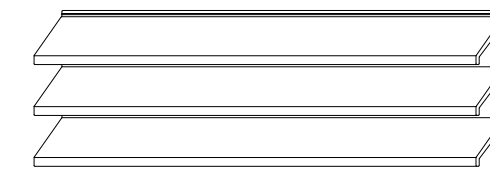
PANEL TOP CORNER



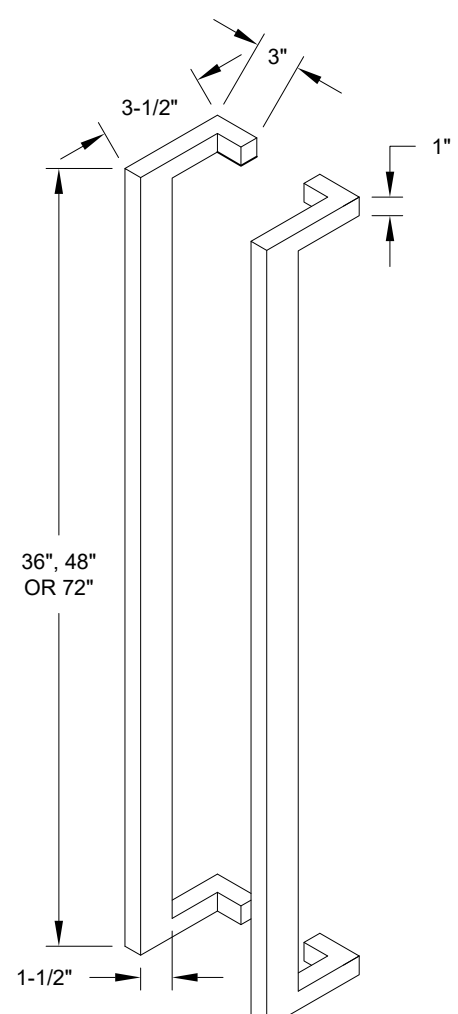
STD. SILL CORNER



ADA SILL @ MULLION



OPT. 1" ALUMINUM FAUX LOUVERS
FOR COMPOSITE PANELS ONLY

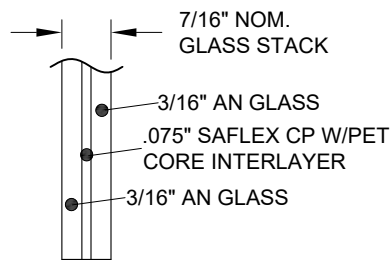


OPTIONAL LADDER-PULL HANDLE

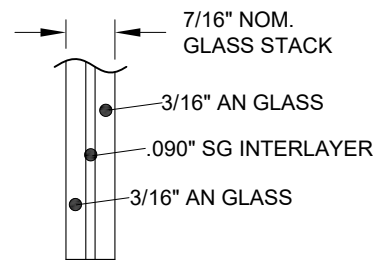
ALL CORNERS TO BE SEALED WITH SILICONE SILPRUF OR EQUIVALENT.
DETAILS MAY BE FOR INSWING OR OUTSWING DOORS.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		08/20/25 Date		JENS ROSOWSKI By		450-LM-PGT	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		FD450		17 OF 19		Sheet	
CORNER ASSEMBLY		Series Desc. Title		No. DWG		Date		Rev.	

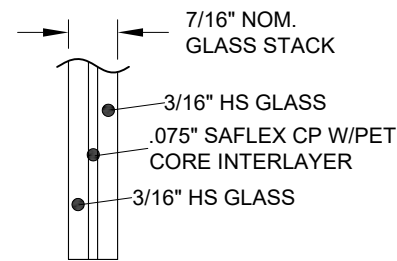
ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



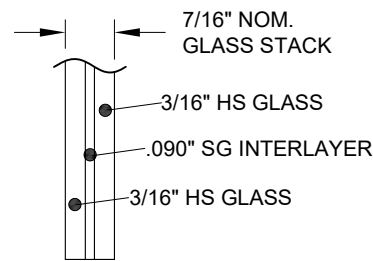
GLASS TYPE 1



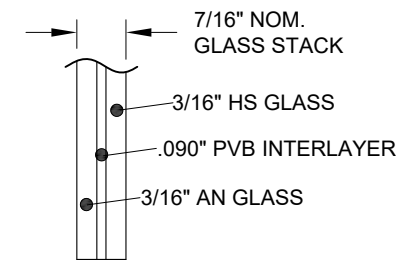
GLASS TYPE 2



GLASS TYPE 3

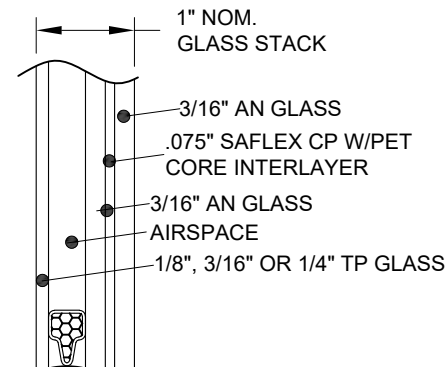


GLASS TYPE 4

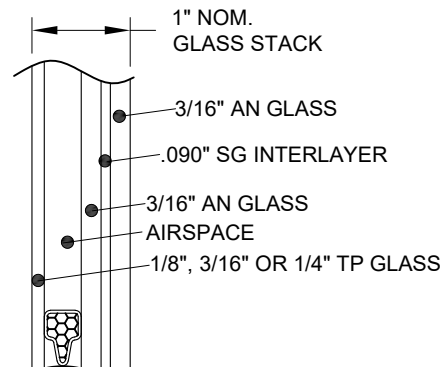


GLASS TYPE 5

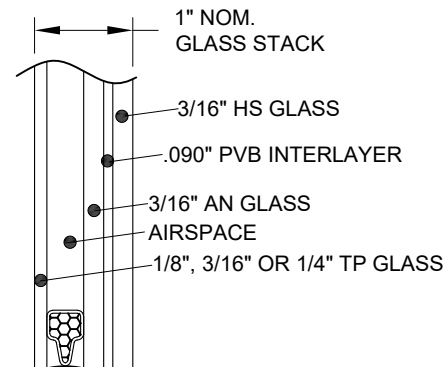
EXTERIOR ← → INTERIOR



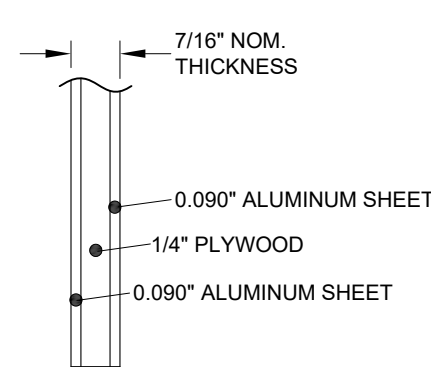
GLASS TYPE 6



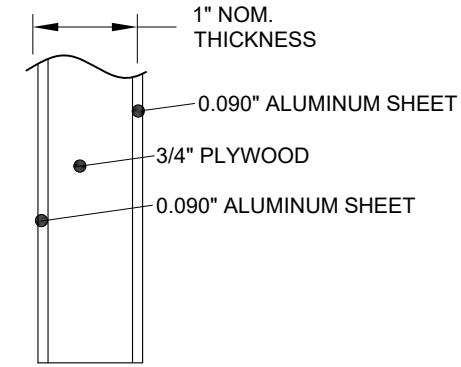
GLASS TYPE 7



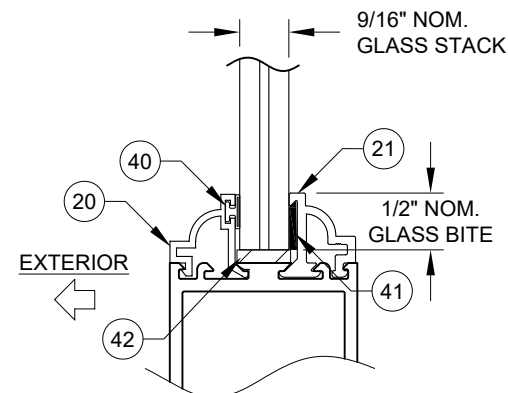
GLASS TYPE 8



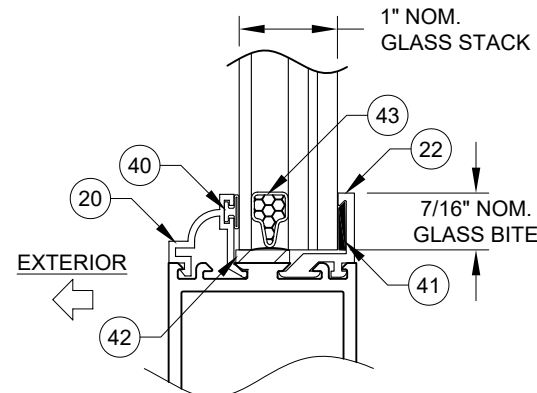
COMPOSITE TYPE 9
ALUM., OPAQUE,
COMPOSITE PANEL



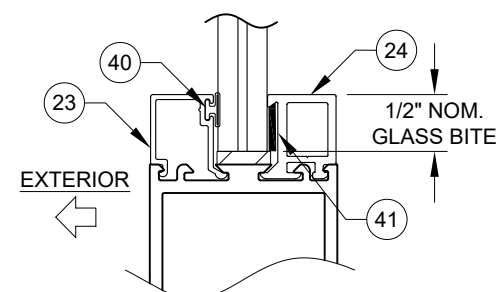
COMPOSITE TYPE 10
ALUM., OPAQUE,
COMPOSITE PANEL



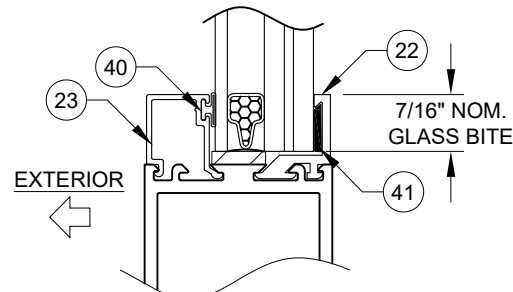
LAMI. GLAZING DETAIL
SHOWN WITH OPT. OGEE BEADING.



LAMI. IG GLAZING DETAIL
SHOWN WITH OPT. OGEE BEADING.



LAMI. GLAZING DETAIL
SHOWN WITH OPT. SQUARE BEADING.



LAMI. IG GLAZING DETAIL
SHOWN WITH OPT. SQUARE BEADING.

TABLE B:

Glazing Type	Description (Listed from Exterior to Interior)
1	7/16" LAMI: 3/16" AN - 0.075" Saflex CP - 3/16" AN
2	7/16" LAMI: 3/16" AN - 0.090" SG - 3/16" AN
3	7/16" LAMI: 3/16" HS - 0.075" Saflex CP - 3/16" HS
4	7/16" LAMI: 3/16" HS - 0.090" SG - 3/16" HS
5	7/16" LAMI: 3/16" AN - 0.090" PVB - 3/16" HS
6	1" LAMI IG: 1/8", 3/16" or 1/4" TP Cap - Airspace - 3/16" AN - 0.075" Saflex CP - 3/16" AN
7	1" LAMI IG: 1/8", 3/16" or 1/4" TP Cap - Airspace - 3/16" AN - 0.090" SG - 3/16" AN
8	1" LAMI IG: 1/8", 3/16" or 1/4" TP Cap - Airspace - 3/16" AN - 0.090" PVB - 3/16" HS
9	7/16" Composite Opaque Panel: 0.090" Aluminum - 1/4" Plywood - 0.090" Aluminum
10	1" Composite Opaque Panel: 0.090" Aluminum - 3/4" Plywood - 0.090" Aluminum

AN = ANNEALED GLASS
HS = HEAT STRENGTHENED GLASS
TP = TEMPERED GLASS

DOORS, SIDELITES & TRANSOMS CAN BE
GLAZED USING SQUARE OR OGEE GLAZING
BEADS AND ANY GLAZING TYPE AND ARE
NOT LIMITED BY BEADING/GLAZING SHOWN
ON CROSS SECTIONS.

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

REGISTRATION #29296
COPYRIGHT © 2026 PGT INDUSTRIES, LLC
LIMITED LICENSE TO MAKE COPIES FOR PERMITTING

08/20/25
Date

JENS ROSOWSKI
By

450-LM-PGT

PGT
Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

ALUMINUM SWING DOOR (LM)
Title

GLAZING DETAILS
Desc.

FD450
Series

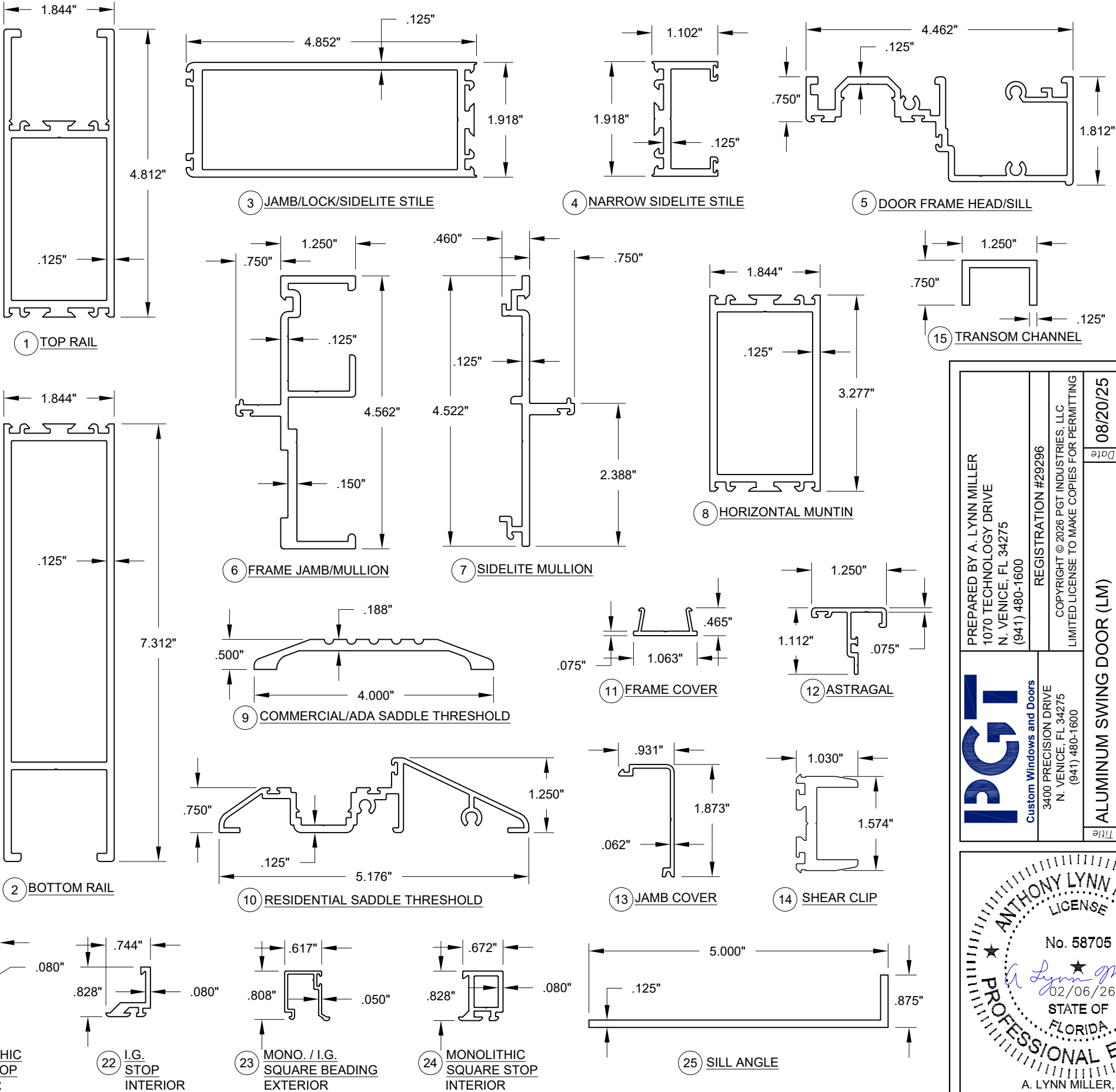
18 OF 19
Sheet

DWG
No.

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE C:

ITEM #	PART #	DESCRIPTION	MATERIAL
1	6500	Top Rail	ALUM. 6063-T6
2	6501	Bottom Rail	ALUM. 6063-T6
3	6502	Jamb / Lock / Sidelite Stile	ALUM. 6063-T6
4	6503	Narrow Sidelite Stile	ALUM. 6063-T6
5	6507	Door Frame Head / Sill	ALUM. 6063-T6
6	6509	Framb Jamb / Mullion	ALUM. 6063-T6
7	6510	Sidelite Mullion	ALUM. 6063-T6
8	6514	Horizontal Muntin	ALUM. 6063-T6
9	6540	Commercial/ADA Saddle Threshold	ALUM. 6063-T6
10	6539	Residential Saddle Threshold	ALUM. 6063-T6
11	6508	Frame Cover	ALUM. 6063-T5
12	6505	Astragal	ALUM. 6063-T5
13	6511	Jamb Cover	ALUM. 6063-T5
14	6506	Shear Clip	ALUM. 6063-T5
15	6599	Transom Channel	ALUM. 6063-T6
20	6375	Mono. / I.G. Ogee Beading	ALUM. 6063-T5
21	6504	Monolithic IG Stop	ALUM. 6063-T6
22	6515	I.G. Stop	ALUM. 6063-T6
23	6396	Mono. / I.G. Square Beading	ALUM. 6063-T5
24	6519	Monolithic Square Stop	ALUM. 6063-T6
25	6412	Sill Angle	Aluminum
30	712X114PPTX	#12 x 1-1/4" Ph. SMS (Frame Assembly)	Stainless Steel
31	71128	3/8"-16 Threaded Rod	Steel
32	710221X	3/8"-16 Hex Nut	Steel
33		1-1/2 x 1-1/2" x 3/16" Aluminum Plate	Aluminum
34	71298	Weephole Cover (Inswing)	PVC
35	710X1PPX	#10 x 1" Ph. PH SDS (Sidelite Attachment)	Stainless Steel
36	714X34HHX	#14 x 3/4" HH SDS (Mullion Assembly)	Stainless Steel
37	63032G	0.320" Woolpile (Ultrafab 3032)	-
38	632011	0.350" Foam-filled Bulb (Amesbury 32011)	-
39	61224G	1/2" x 1/2" Adhesive Closed Cell Foam Pad	-
40	6382K	Glazing Bead Vinyl	Vinyl
41	varies	Backbedding, RGS 7700, GE-1200, Dow 791, 899, 983, 995	Silicone
42	710154	Setting Block	
43	varies	Insulated Glass Spacer	-
45	7800	Hinge, 4" x 4-1/2"	Stainless Steel
46	7812	12-24 x 1/2" Thread-cutting SMS (Hinge)	Stainless Steel
47	71099L/R	2" x 2" x 1/4" Angle	Aluminum
48	710234	Commercial Door Sweep, 36"	
49	710235	Commercial Door Sweep, 72"	



PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING		08/20/25 Date		JENS ROSOWSKI By		450-LM-PGT	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUMINUM SWING DOOR (LM)		19 OF 19		FD450		DWG No.	
BOM AND EXTRUSIONS		Series Desc.		Title		Sheet		No.	

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/06/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705