

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-17954 R8 Side Hinged Door\FL-17954.1.3.4.6.7.dwg



Series 3900-T

Aluminum Side Hinged Single Door w/ Sidelites

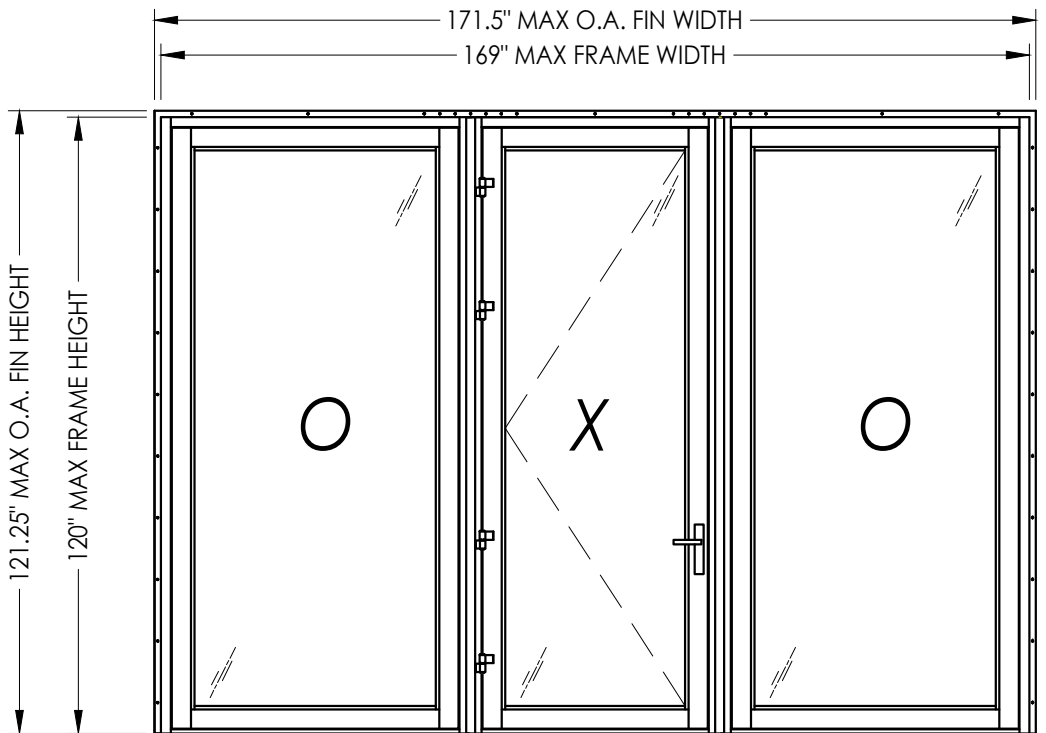
Inswing/Outswing

"IMPACT"

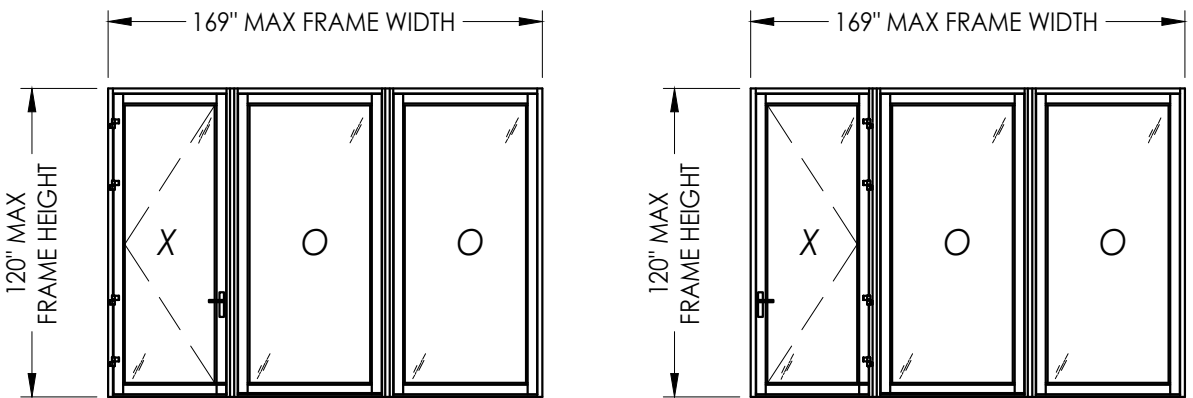
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets water infiltration requirements for "HVHZ".
8. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.
9. Gaskets shall comply with FBC Section 2411.3.4.

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1	Typical elevations, design pressures and general notes
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7	Vertical cross sections
8	Vertical cross sections
9	Fin horizontal and vertical cross sections
10	Buck anchoring
11	Frame anchoring
12	Glazing details
13	Bill of materials and components

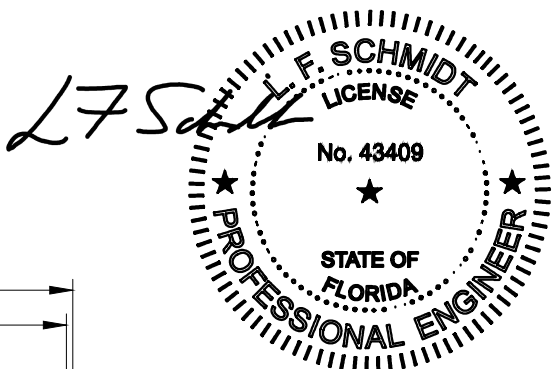


FIN MOUNT



FRAME MOUNT

MAX O.A. FIN DIMENSION	MAX O.A. FRAME DIMENSION	MAX DOOR D.L.O. DIMENSION	MAX SIDELITE D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
171.5" X 121.25"	169.0" X 120.0"	35.0" X 108.0"	47.0" X 108.0"	G1, G2, G3, G4	+65.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.11 15:55:30 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
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must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

DATE: 7/22/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

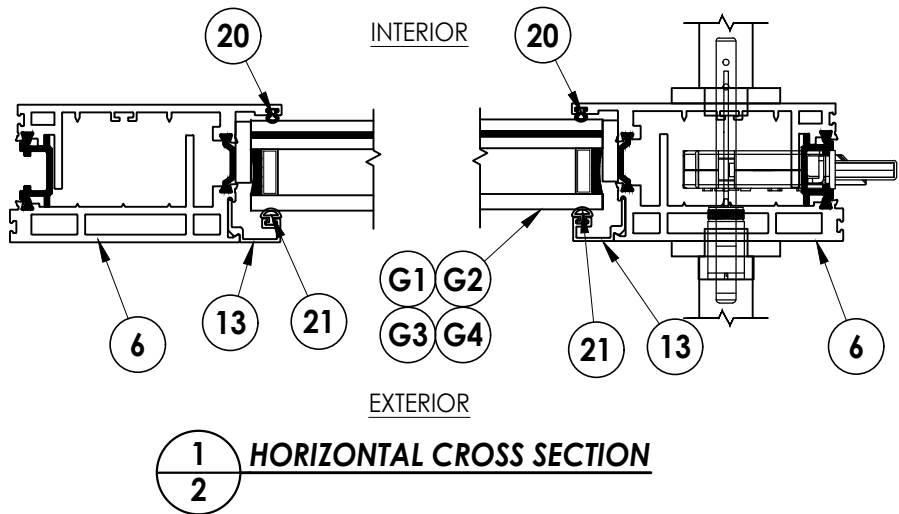
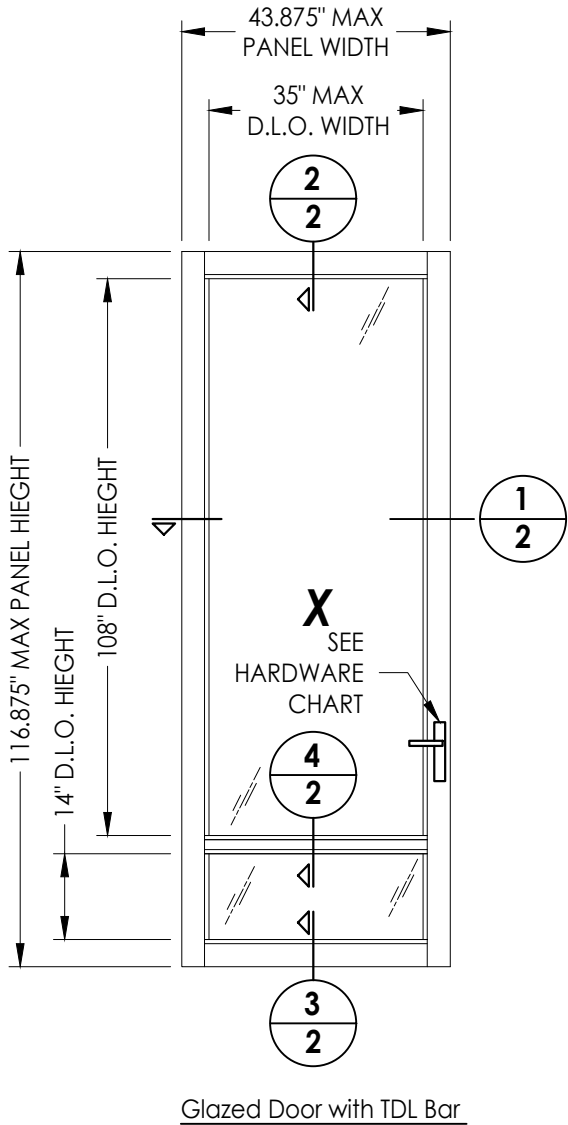
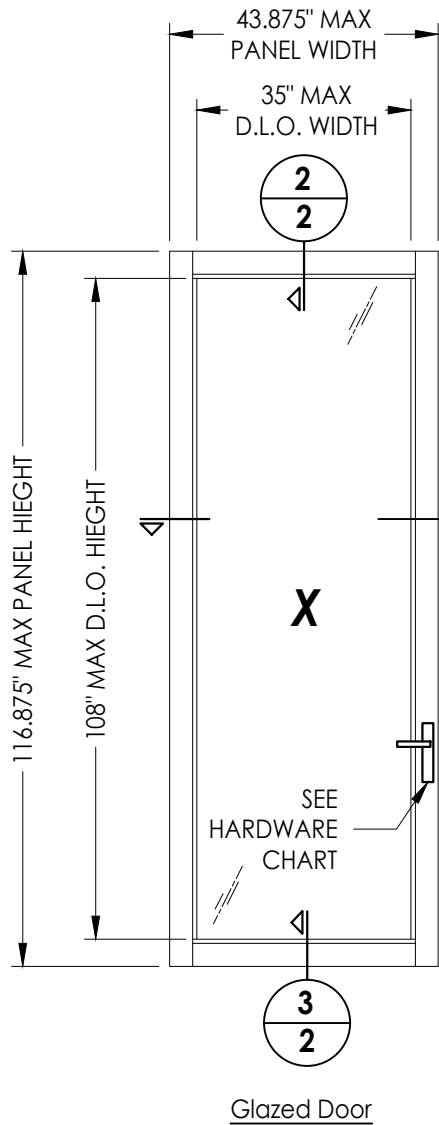
DRAWING NO.:
FL-17954.3

SHEET 1 OF 13

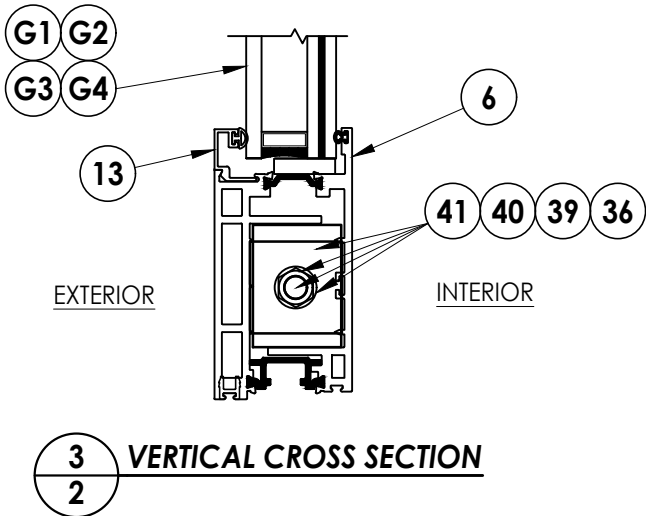
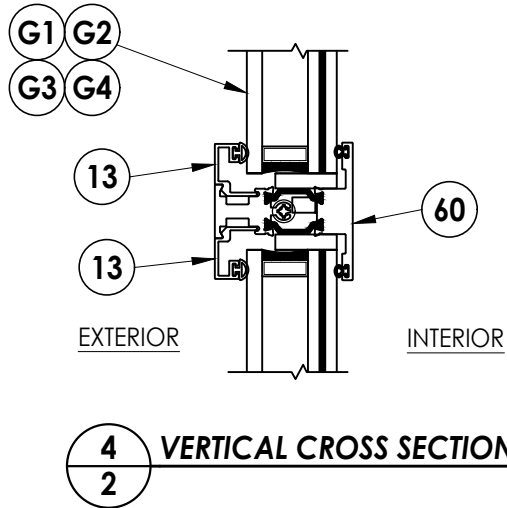
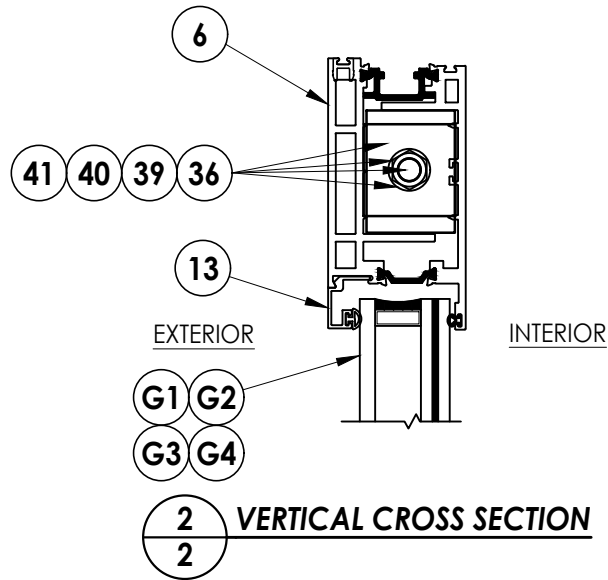
Building Consultants, Inc.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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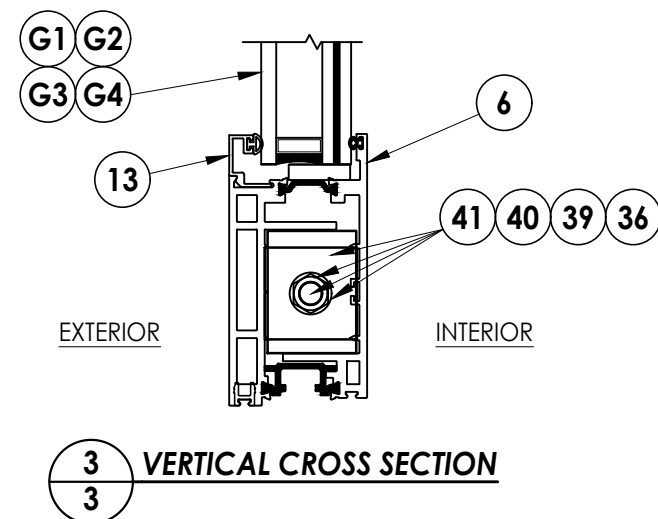
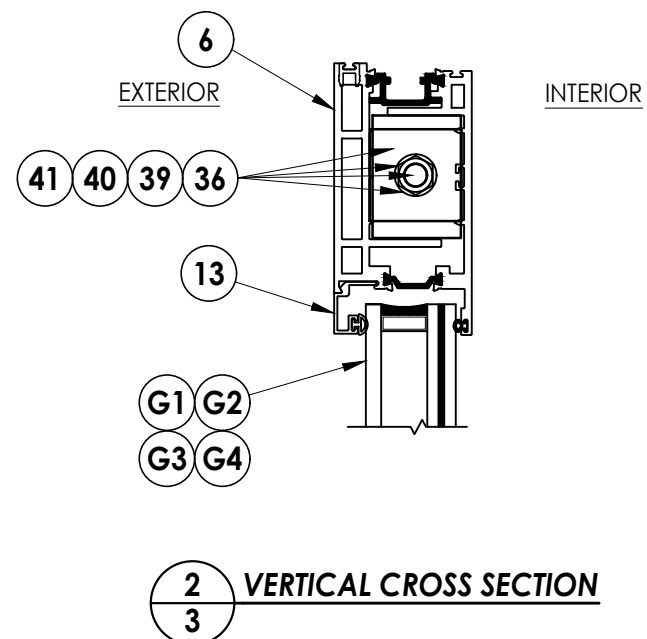
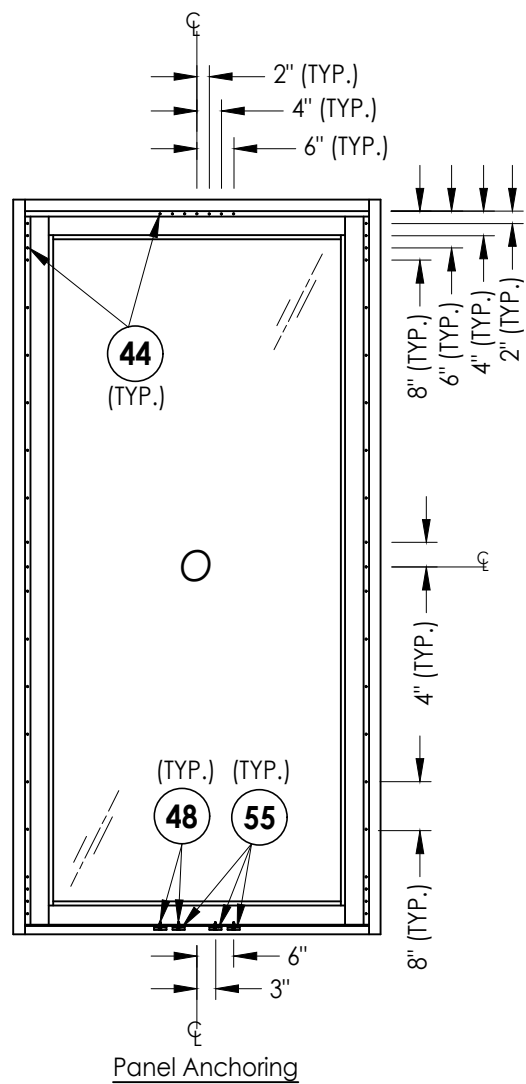
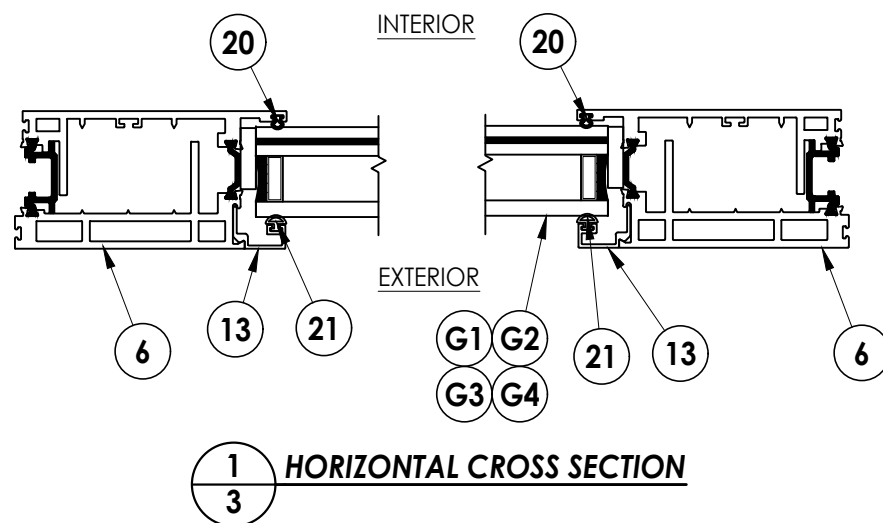
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HARDWARE TABLE	
MANUFACTURER	MODEL
TRUTH	MULTI-POINT LOCK: 5 POINT LOCK



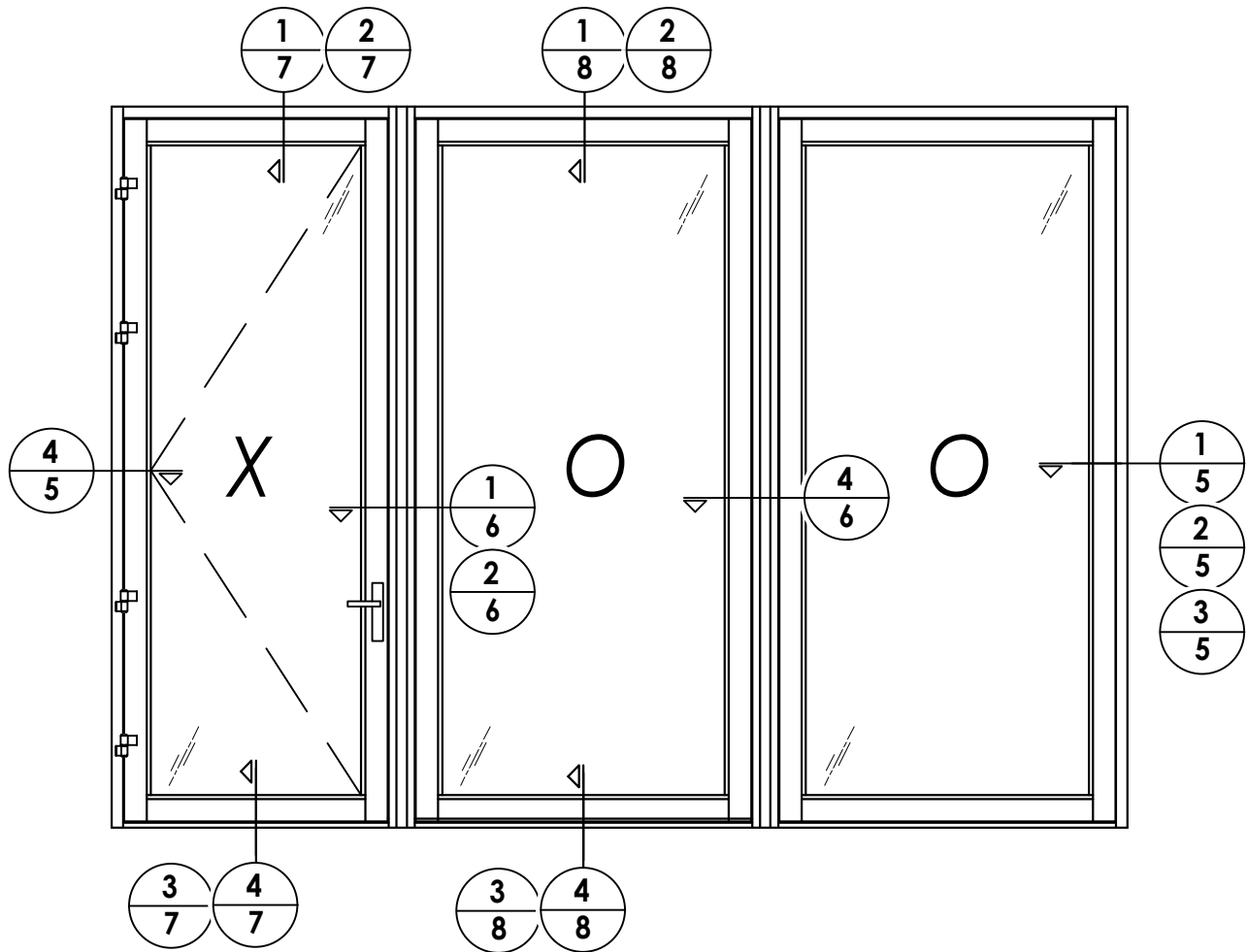
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PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	BY
		FBC	
		FBC	
		FBC	
		DATE	
		REVISIONS	
3	7/11/23	UPDATE TO 8TH ED. (2023)	FBC
2	8/11/20	UPDATE TO 7th ED. (2020)	FBC
1	08/07/17	UPDATE TO 6TH ED. (2017)	FBC
DATE: 7/22/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17954.3			
SHEET 2 OF 13			

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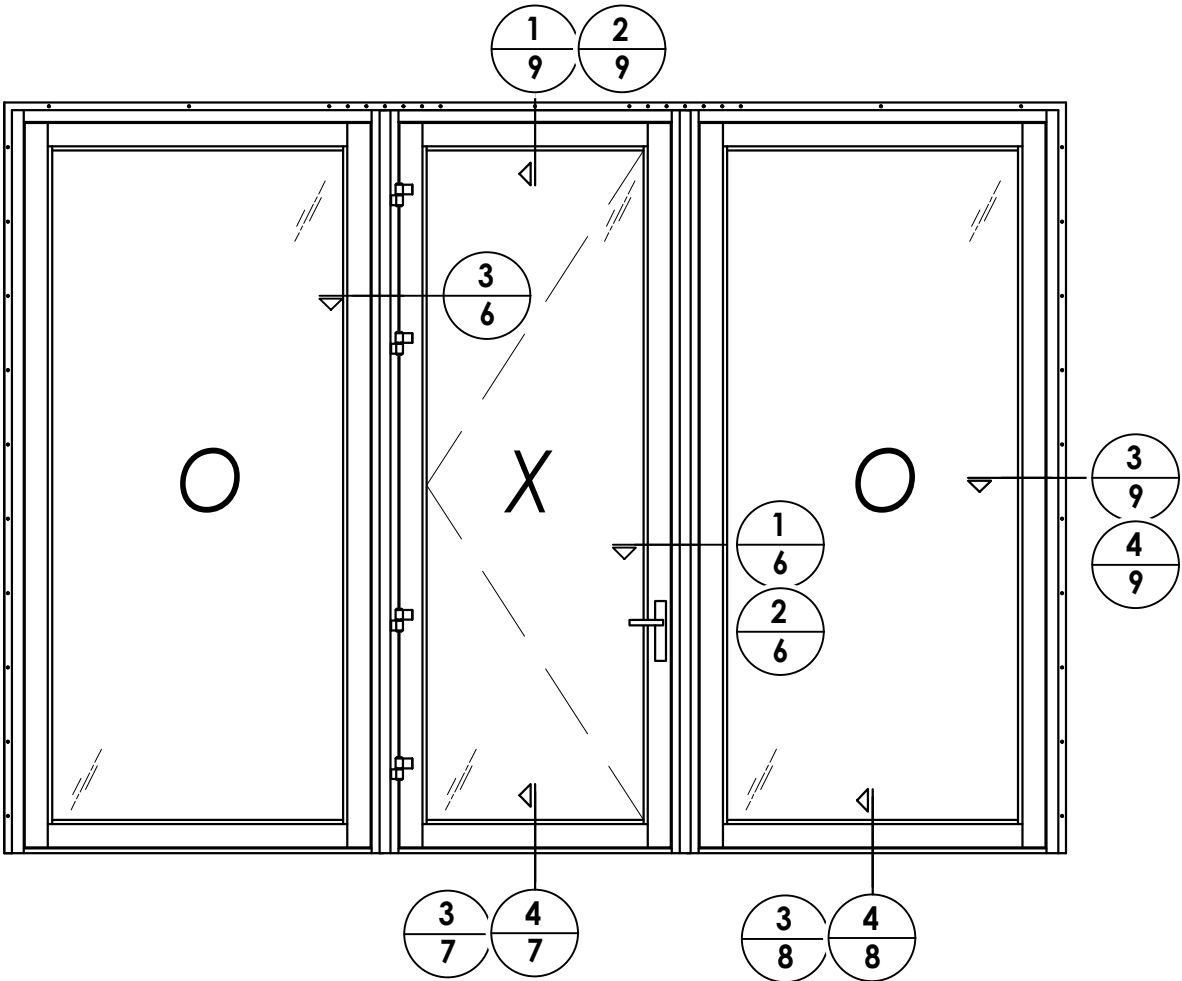
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FRAME MOUNT
XOO Shown



FIN MOUNT
OXO Shown

REVISIONS		NO.	DATE	BY
3	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC
1	08/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS

DATE: 7/22/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17954.3

SHEET 4 OF 13

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:

ELEVATIONS

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RW

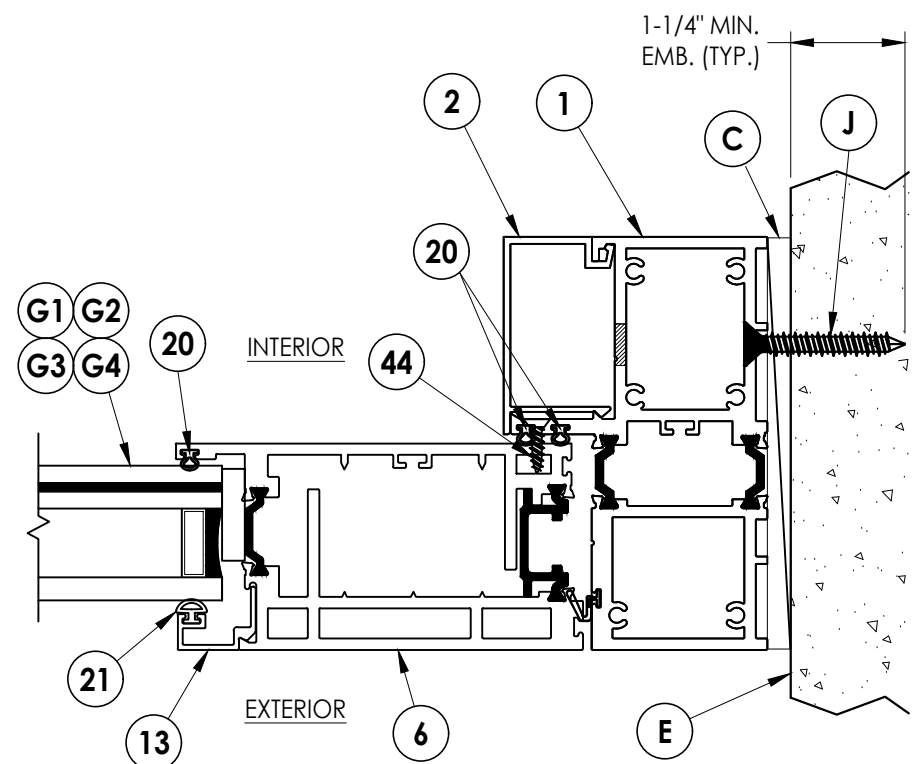
BUILDING CONSULTANTS, INC.

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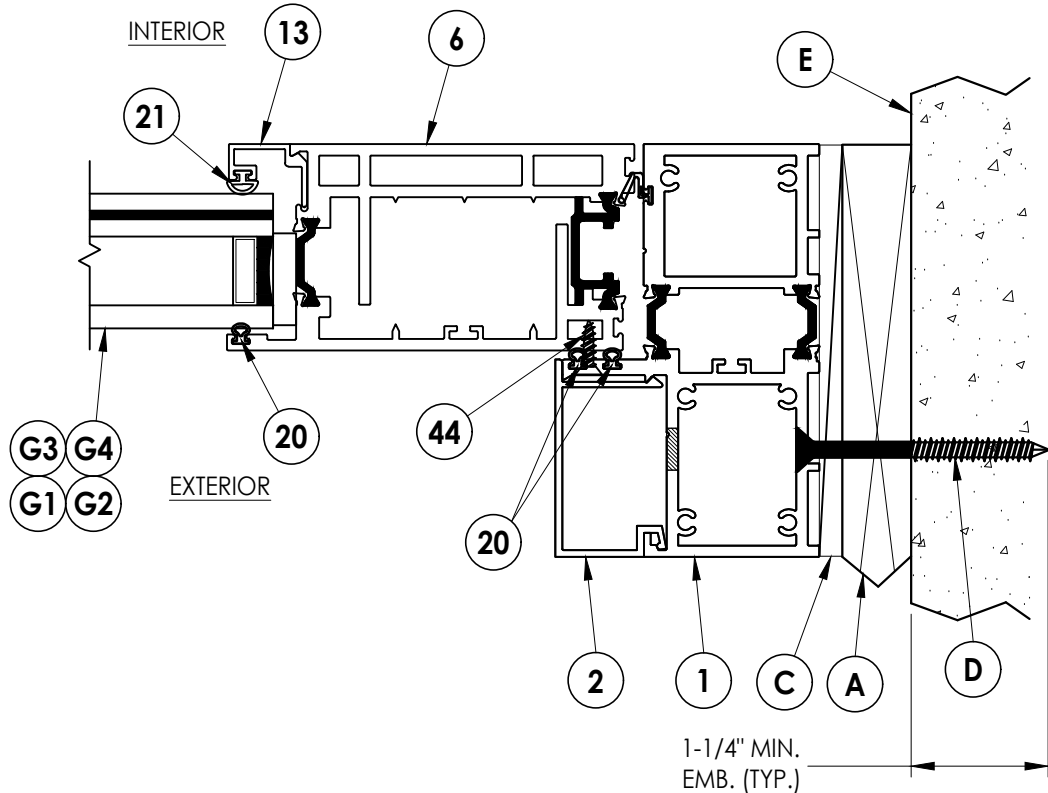
Phone No.: 813.659.9197

FBPE Registry No. 9813

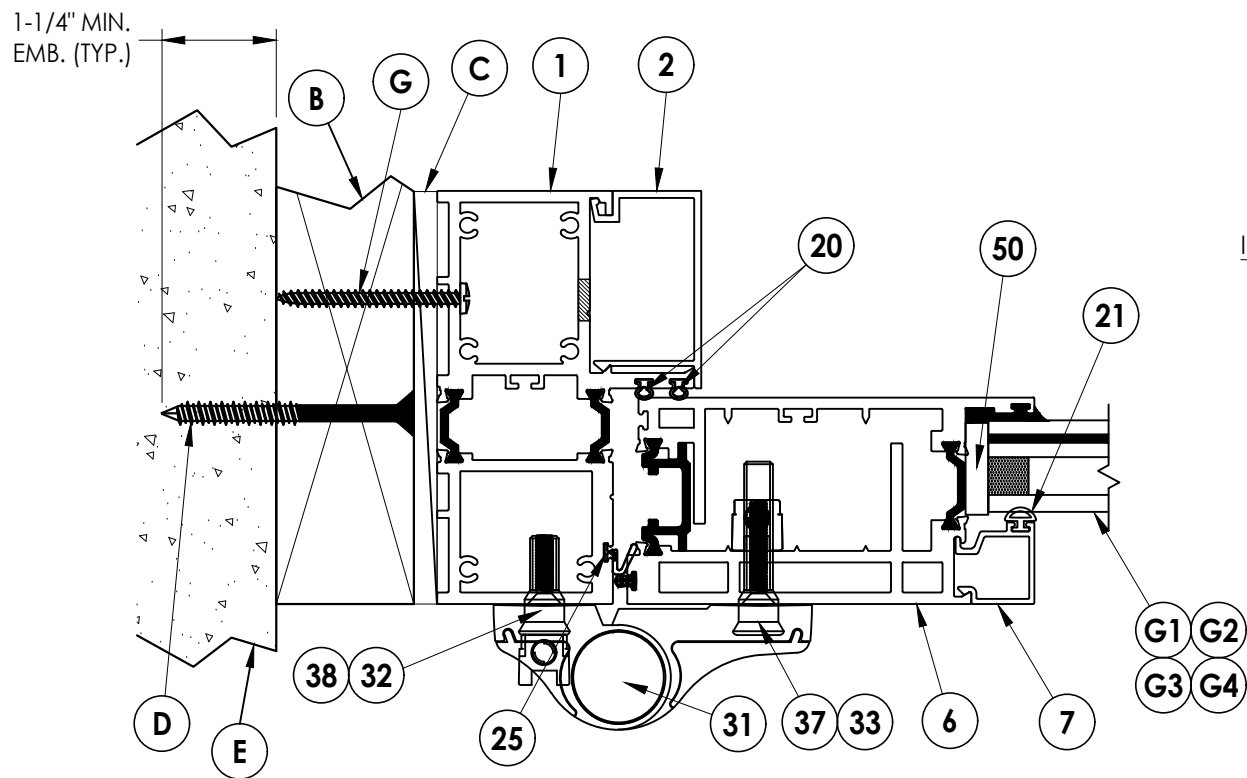
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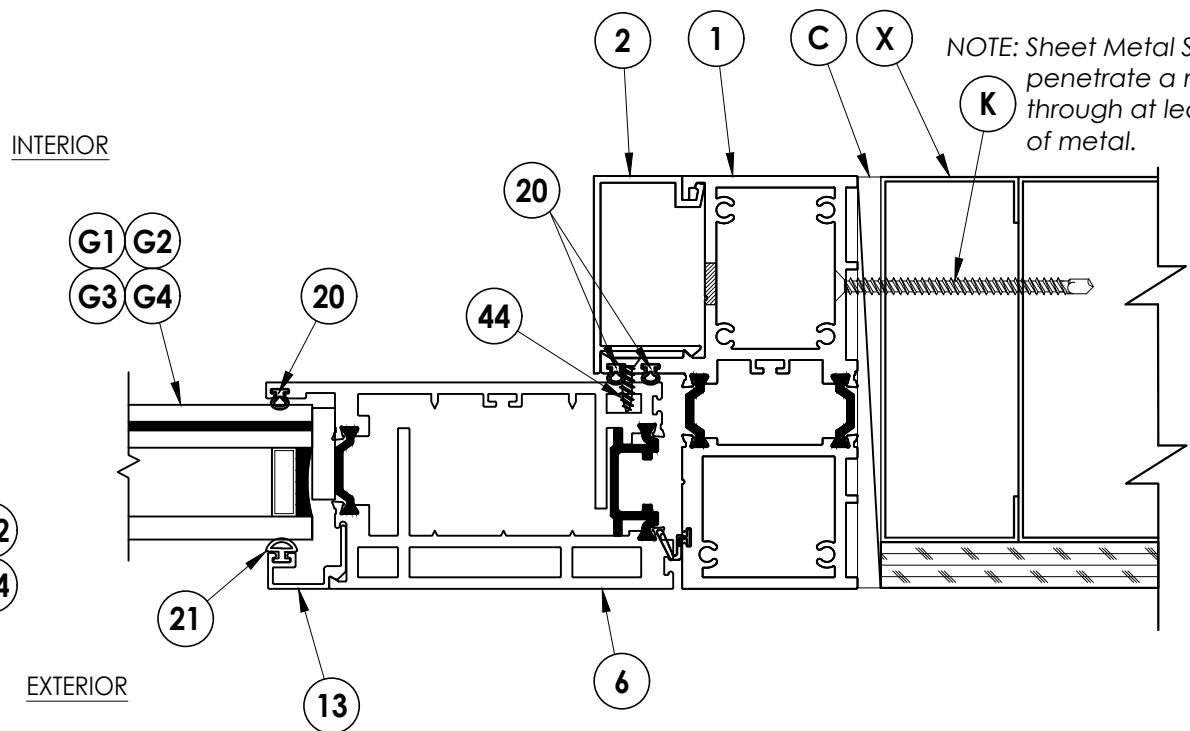
1 HORIZONTAL CROSS SECTION
5 Direct to Masonry
Outswing Shown (Inswing Similar)



2 HORIZONTAL CROSS SECTION
5 1X Buck Construction
Inswing Shown (Outswing Similar)



4 HORIZONTAL CROSS SECTION
5 2X Buck Construction
Outswing Shown (Inswing Similar)



3 HORIZONTAL CROSS SECTION
5 Metal Stud Construction
Outswing Shown (Inswing Similar)

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FBPE Registry No. 9813

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
3	7/11/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	08/07/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 7/22/15

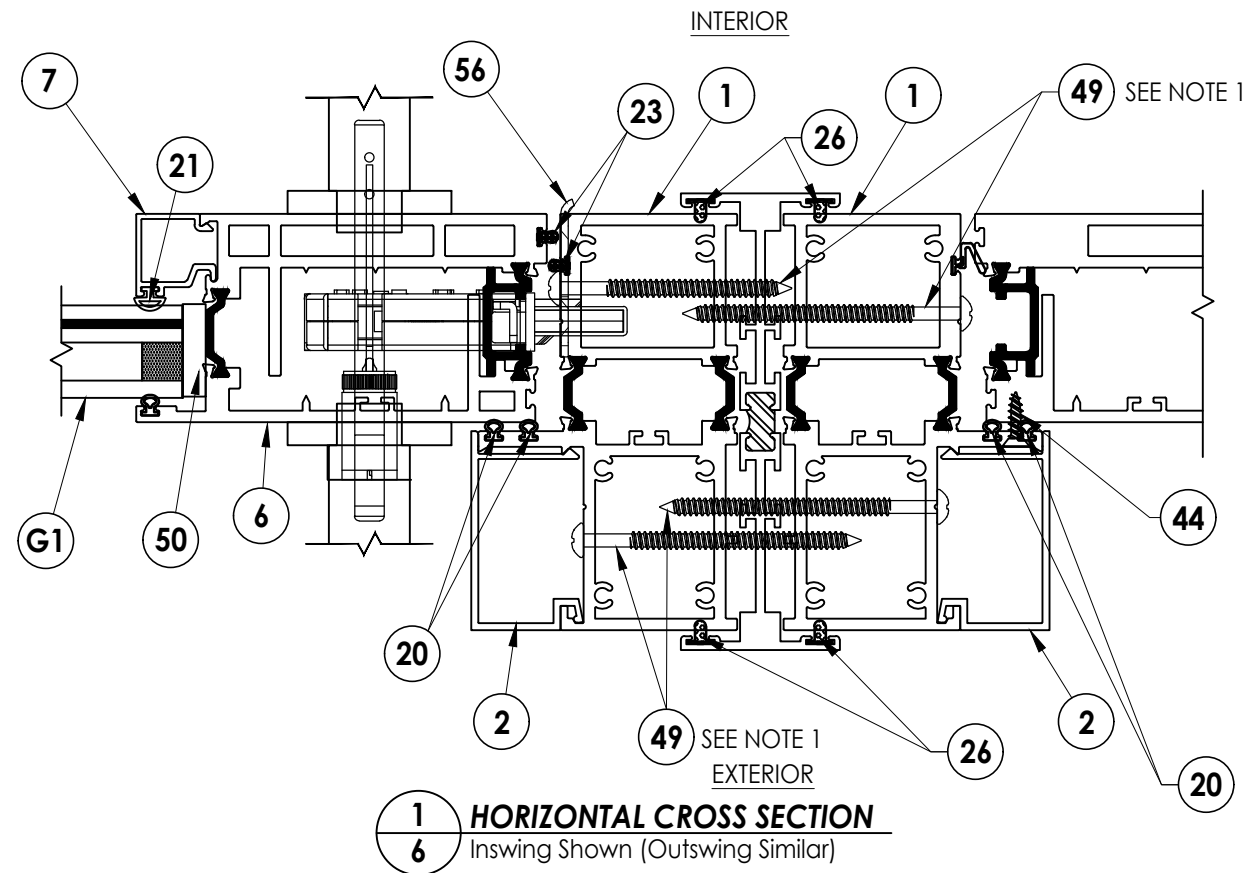
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DWG. BY: JK

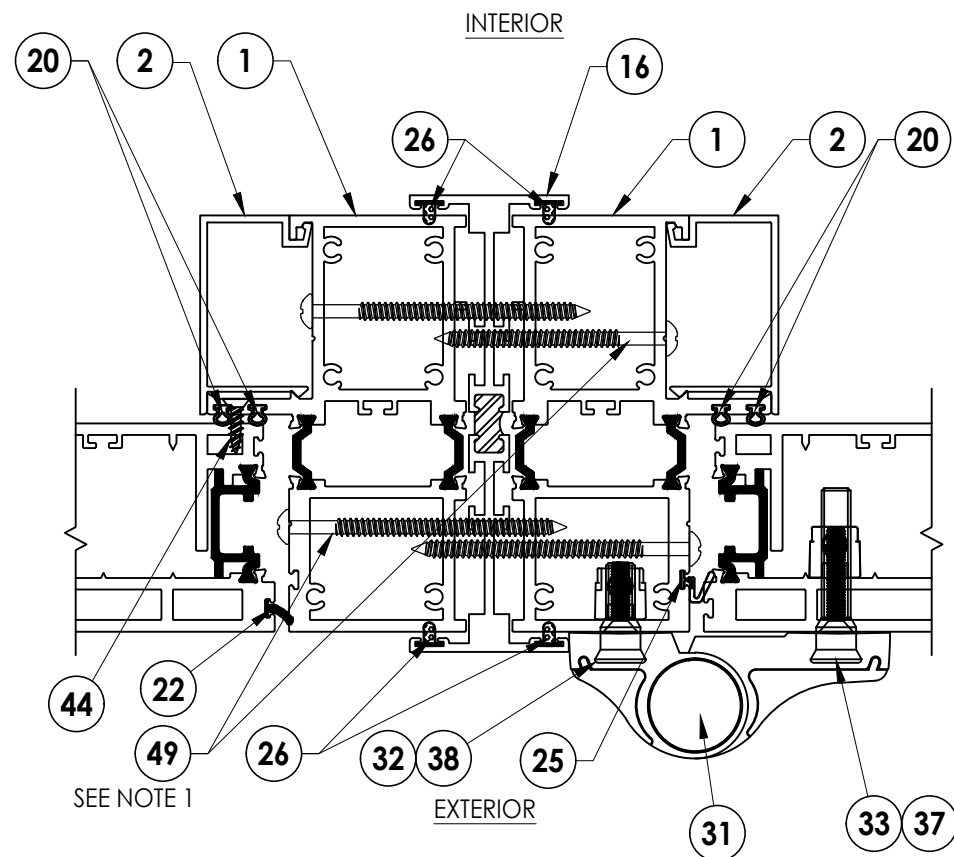
CHK. BY: LFS

DRAWING NO.: FL-17954.3

SHEET 5 OF 13

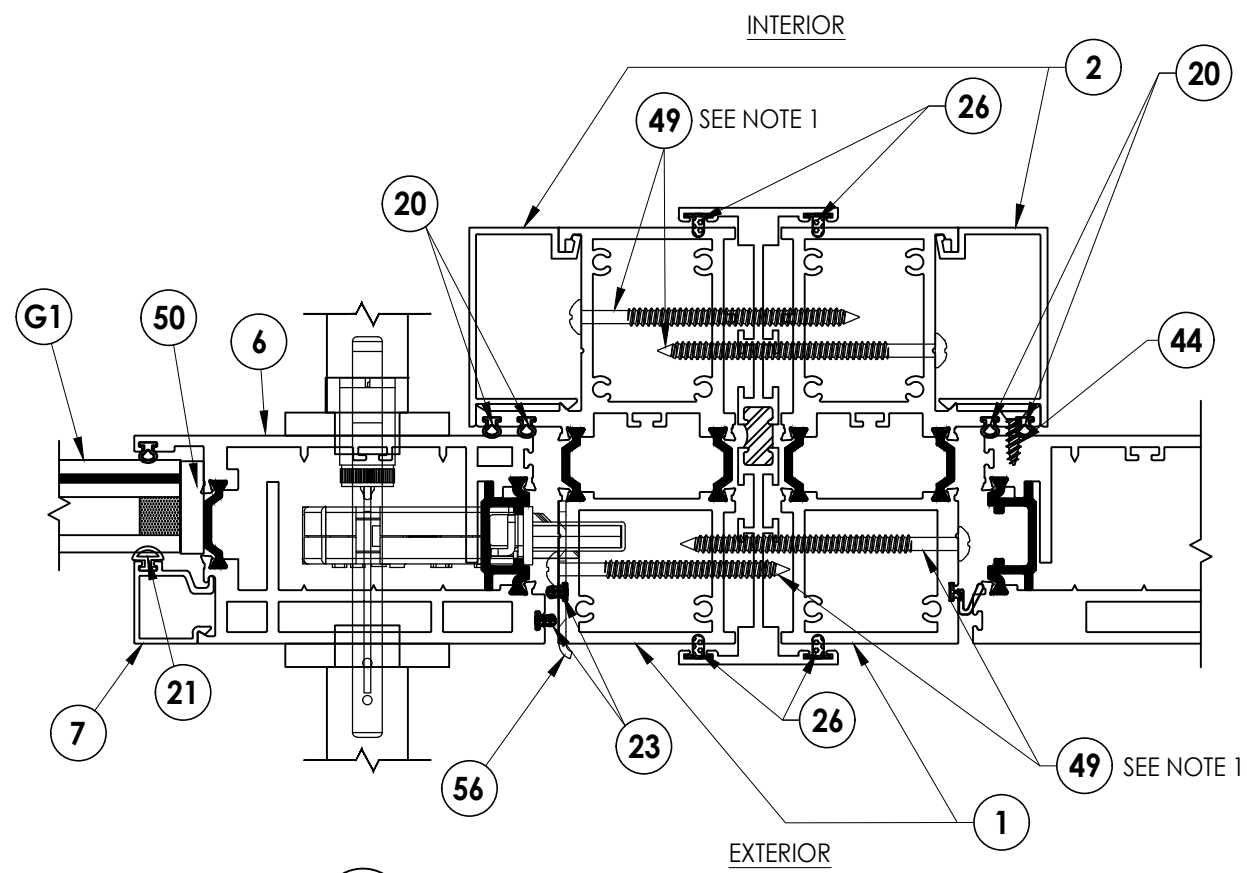


1 6 **HORIZONTAL CROSS SECTION** Inswing Shown (Outswing Similar)

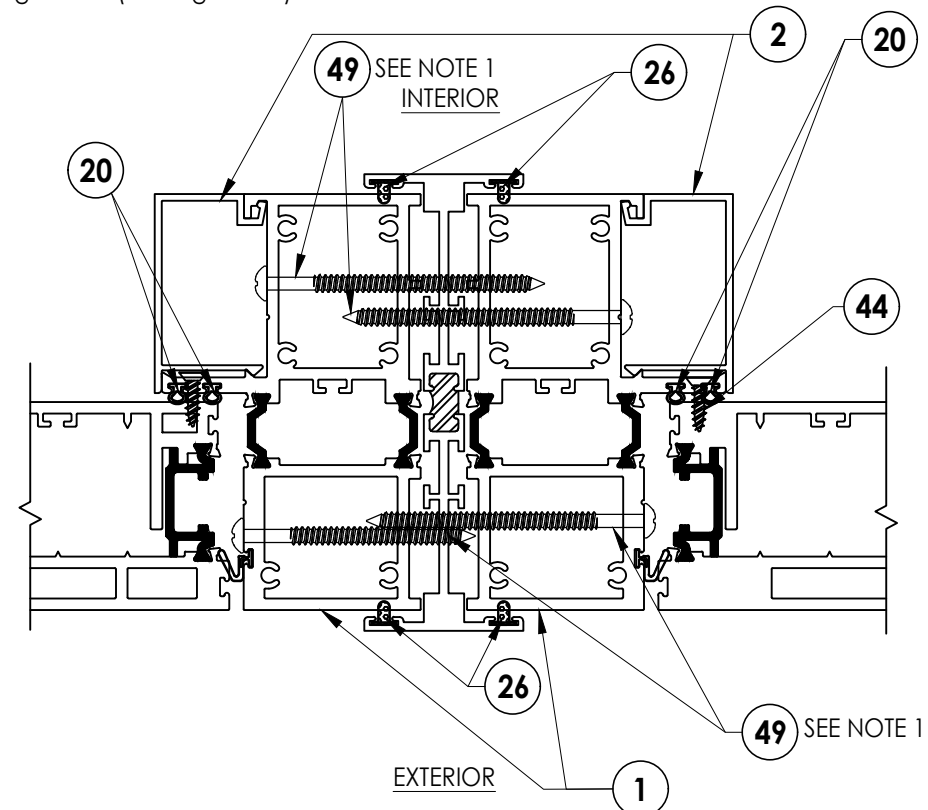


3 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)

NOTE:
1. Item #42 located 6" from
each end then 12" on center.



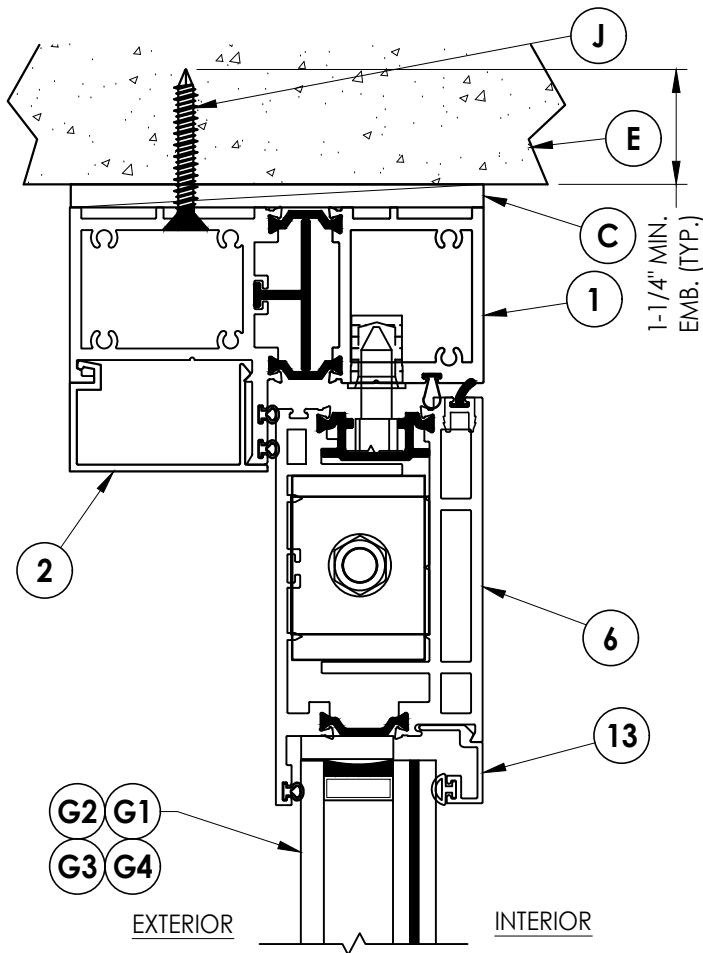
2 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)



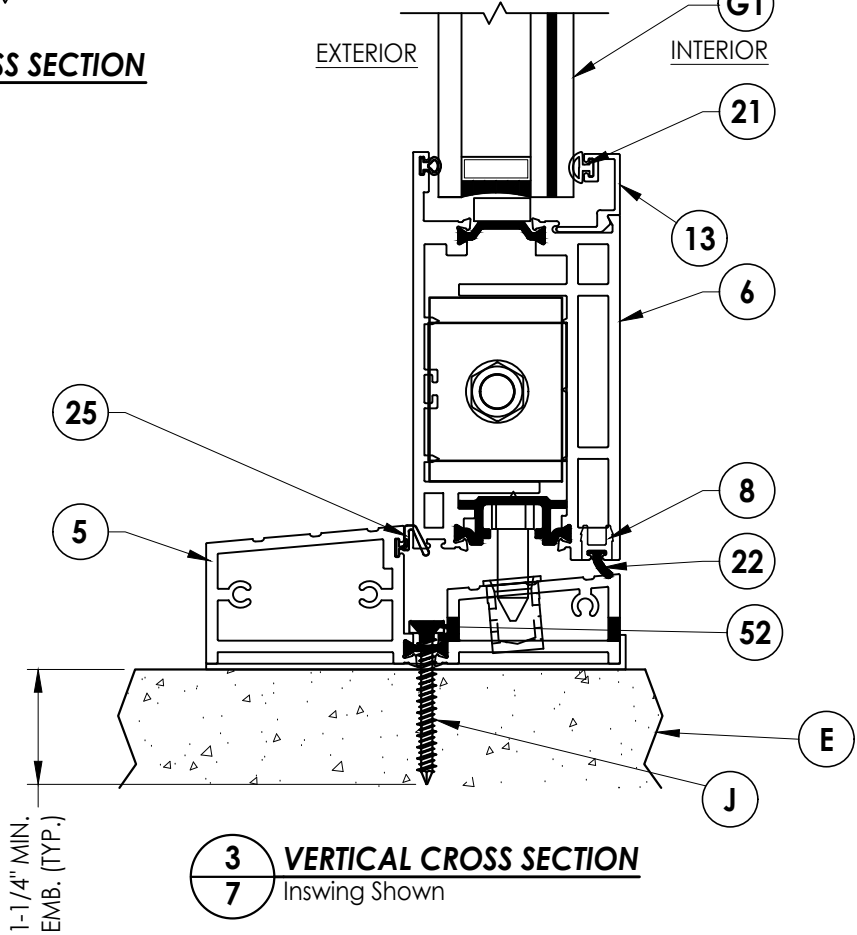
4 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)

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PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
3	7/11/23	UPDATE TO 8TH ED. (2023)	FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020)	FBC DAC
1	08/07/17	UPDATE TO 6TH ED. (2017)	FBC LFS
NO.	DATE		BY
REVISIONS			
DATE: 7/22/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17954.3			
SHEET 6 OF 13			

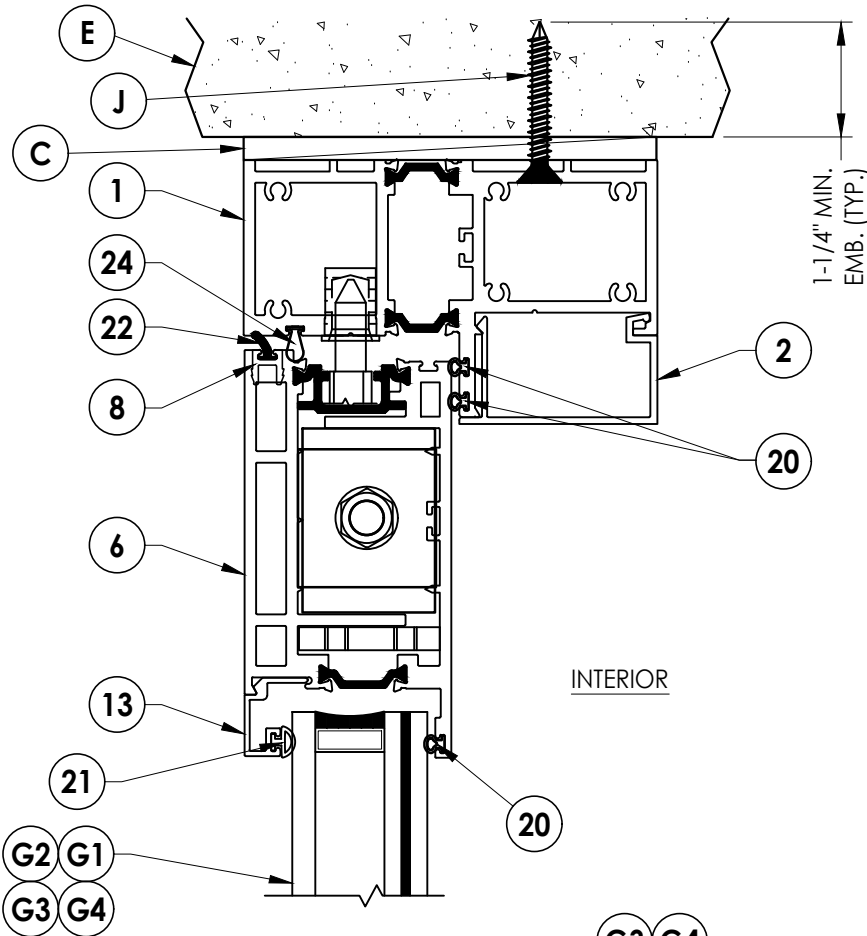
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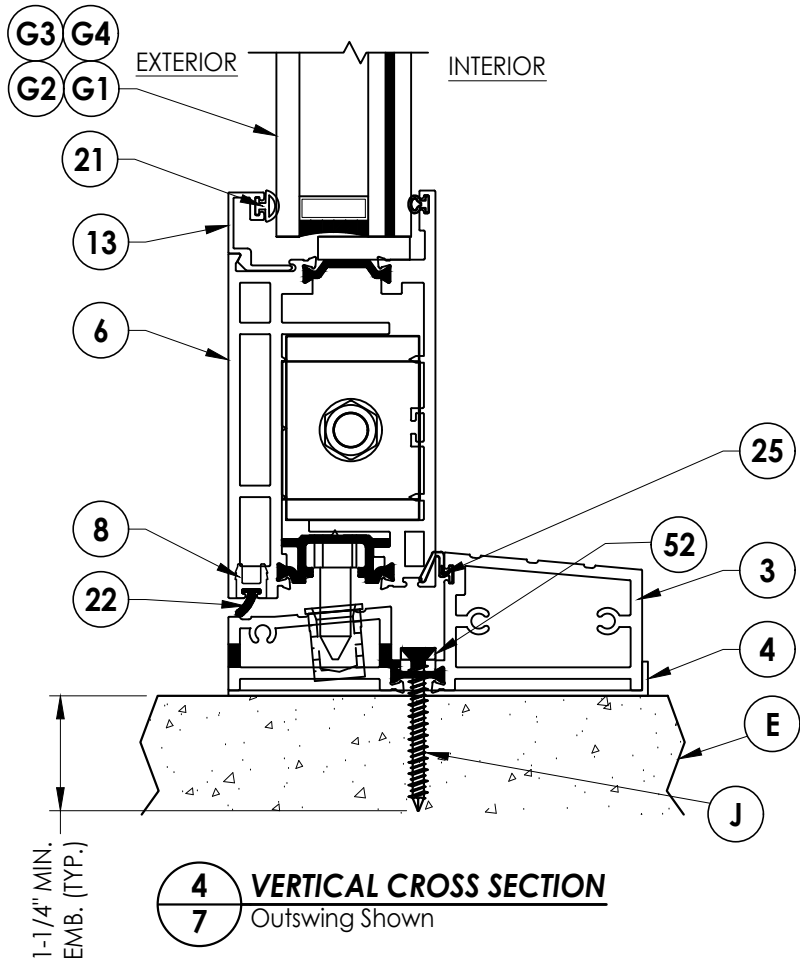
1
7 **VERTICAL CROSS SECTION**
Inswing Shown



3
7 **VERTICAL CROSS SECTION**
Inswing Shown



2
7 **VERTICAL CROSS SECTION**
Outswing Shown



4
7 **VERTICAL CROSS SECTION**
Outswing Shown

Documents Prepared By:
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FBPE Registry No. 9813

FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

REVISIONS			
NO.	DATE		
3	7/11/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC	DAC
1	08/07/17	UPDATE TO 6TH ED. (2017) FBC	LFS

DATE: 7/22/15

SCALE: N.T.S.

DWG. BY: JK

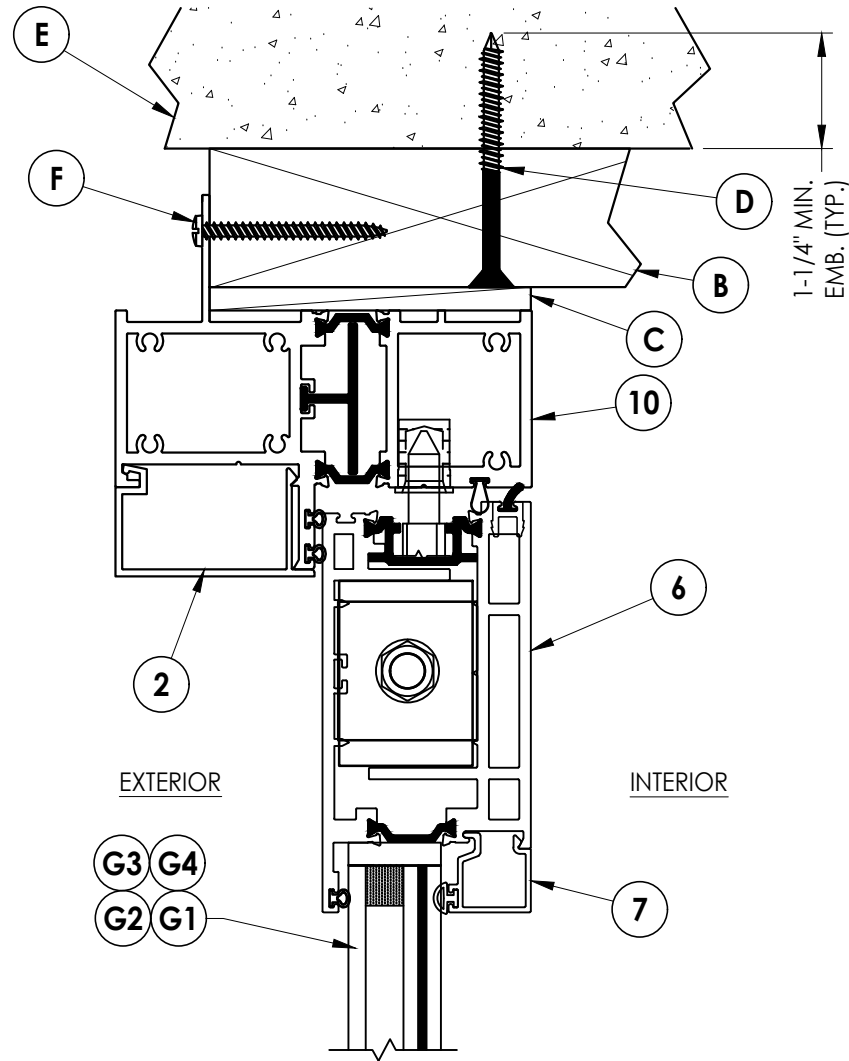
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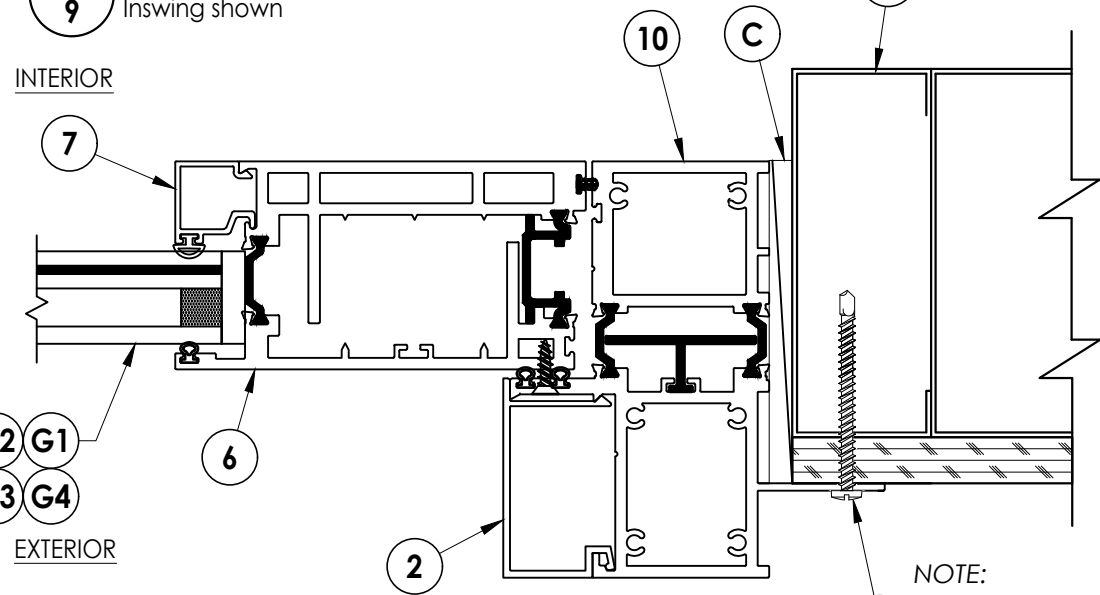
FL-17954.3

SHEET 7 OF 13

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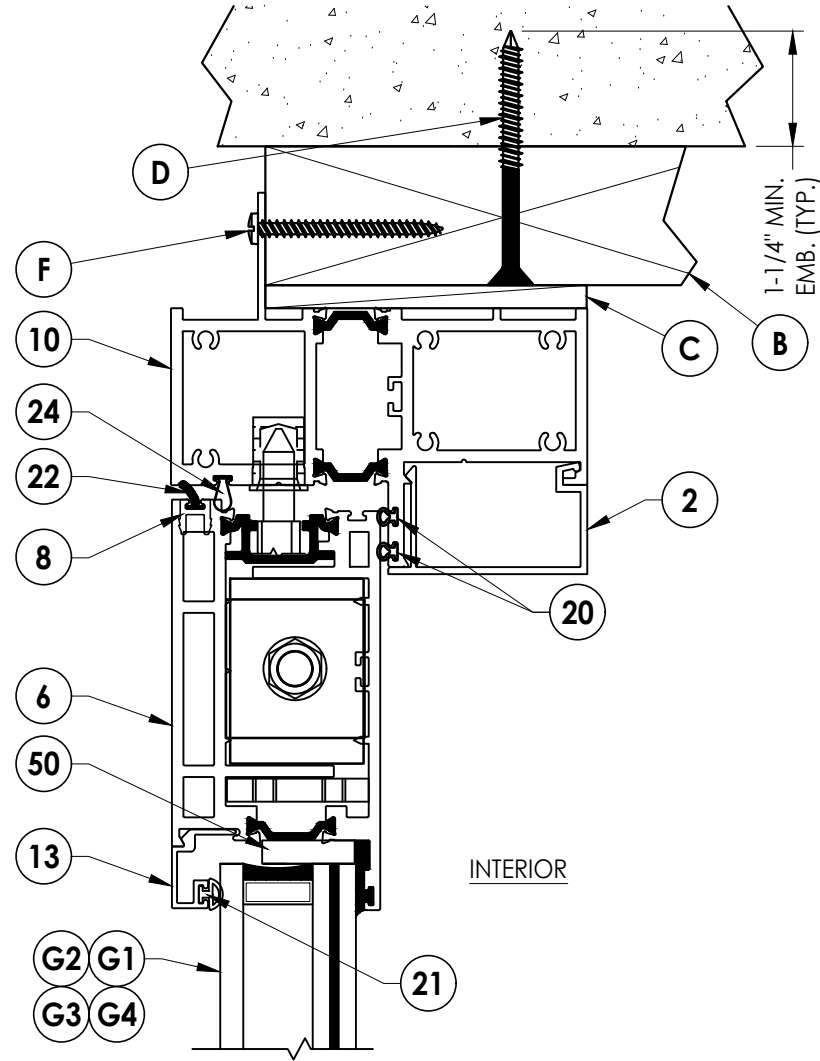
1 **VERTICAL CROSS SECTION**
9 Inswing shown



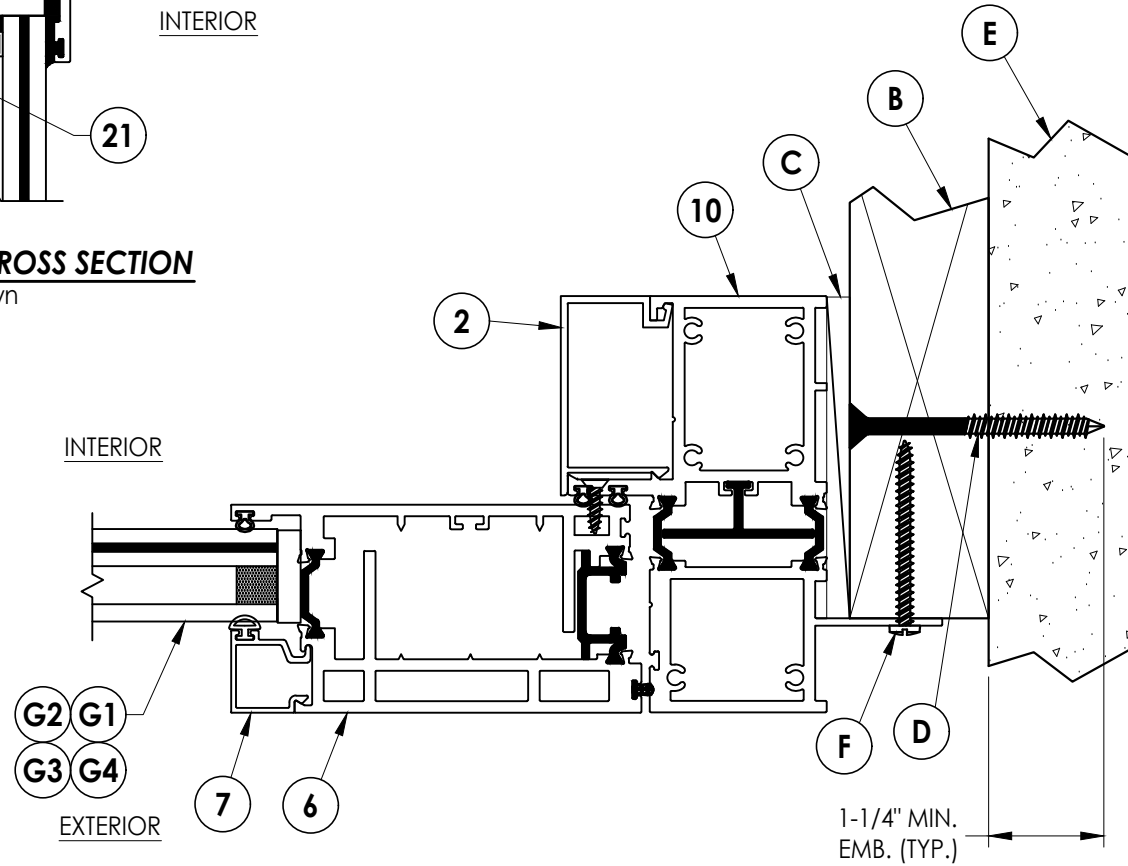
3 **HORIZONTAL CROSS SECTION**
9 Steel Stud Construction
Inswing shown

NOTE:
Sheet Metal Screws must
penetrate a min. of 3 threads
through metal stud.

K



2 **VERTICAL CROSS SECTION**
9 Outswing shown



4 **HORIZONTAL CROSS SECTION**
9 2X Buck Construction
Outswing shown

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FBPE Registry No. 9813

FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
FIN HORIZONTAL AND VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
3	7/11/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	08/07/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 7/22/15

SCALE: N.T.S.

DWG. BY: JK

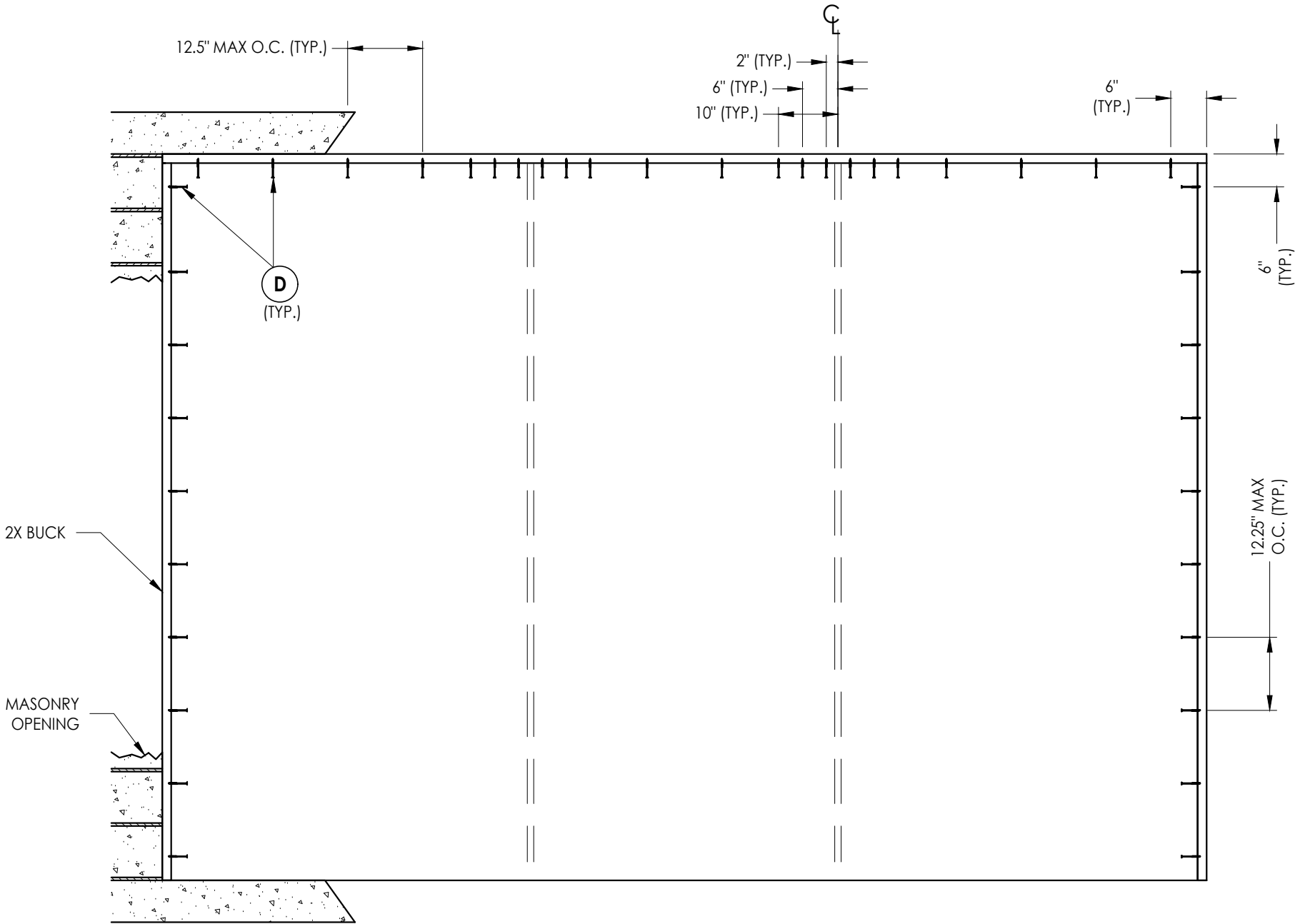
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DRAWING NO.:

FL-17954.3

SHEET 9 OF 13

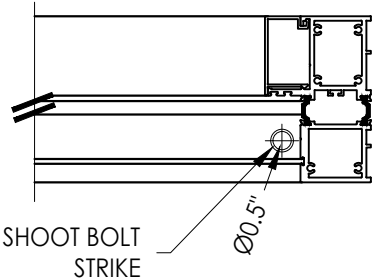
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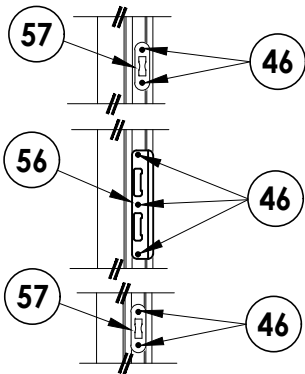
2X BUCK ANCHORING
OXO Shown (XOO Similar)

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PRODUCT: FLEETWOOD WINDOWS AND DOORS			PART OR ASSEMBLY: BUCK ANCHORING		
3	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
1	08/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
NO.	DATE			BY	
REVISIONS					
DATE: 7/22/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-17954.3					
SHEET 10 OF 13					

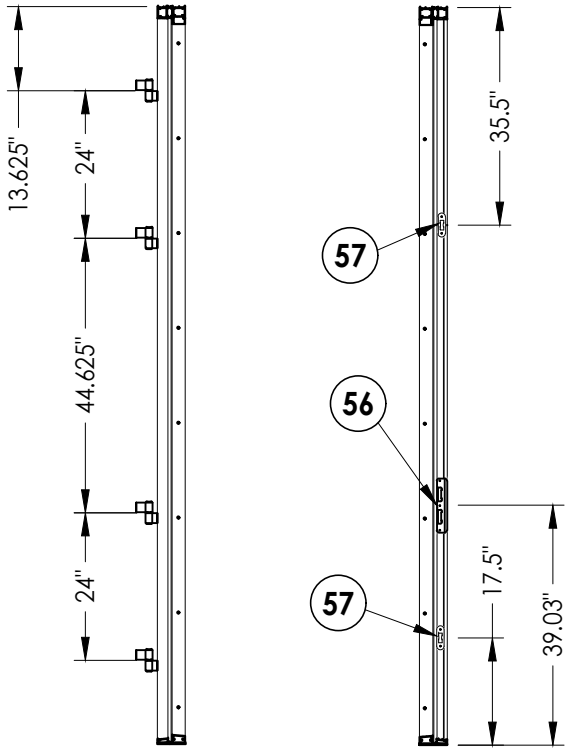
FIN ANCHORING
OXO Shown (XOO Similar)



DETAIL 1



STRIKE DETAIL



STRIKE PLATE DETAIL

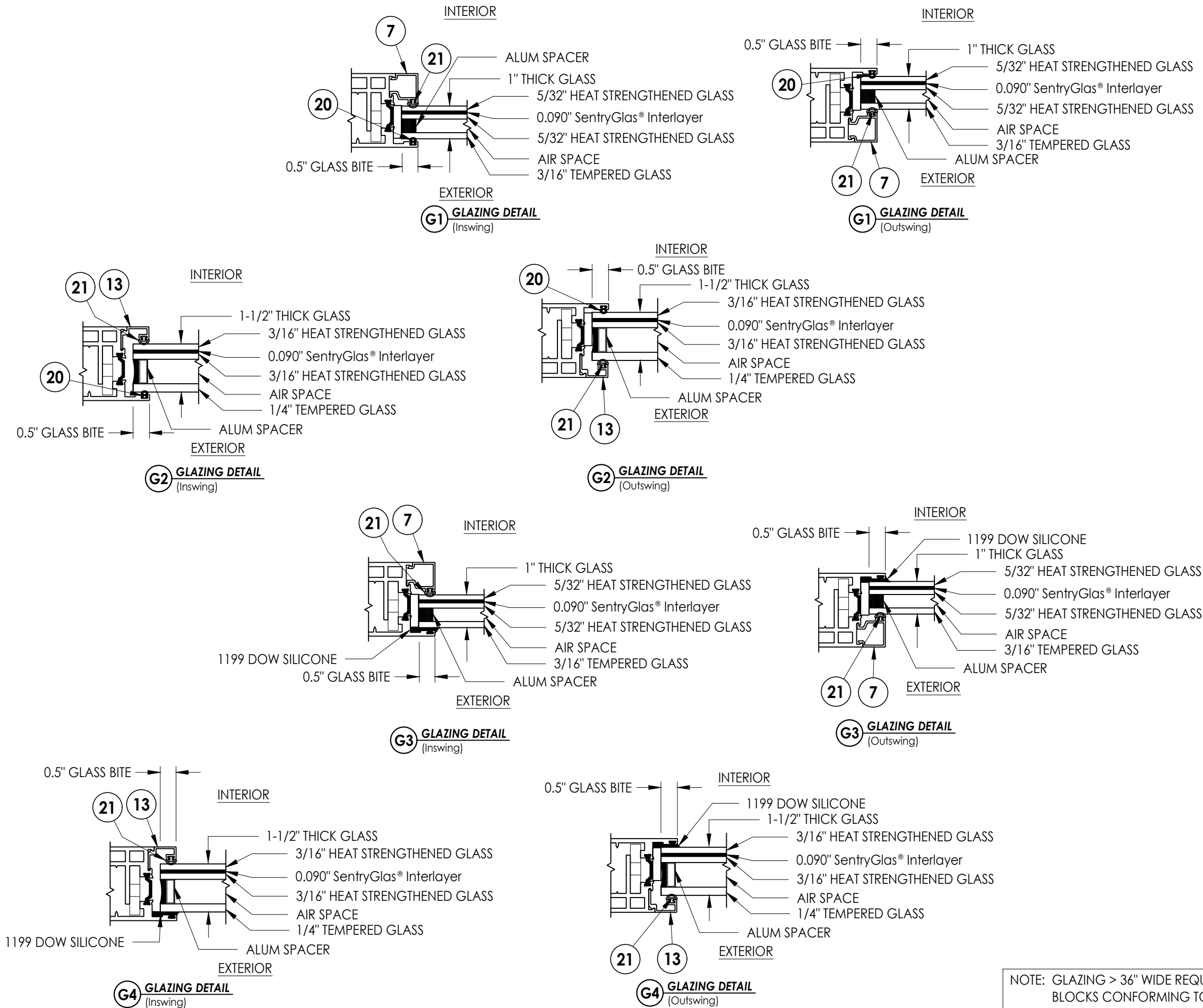
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NOTE: GLAZING > 36" WIDE REQUIRES AT LEAST TWO (2) SETTING BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1.

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FBPE Registry No. 9813

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
GLAZING DETAILS

NO.	DATE	REVISIONS
3	7/11/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	08/07/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 7/22/15

SCALE: N.T.S.

DWG. BY: JK

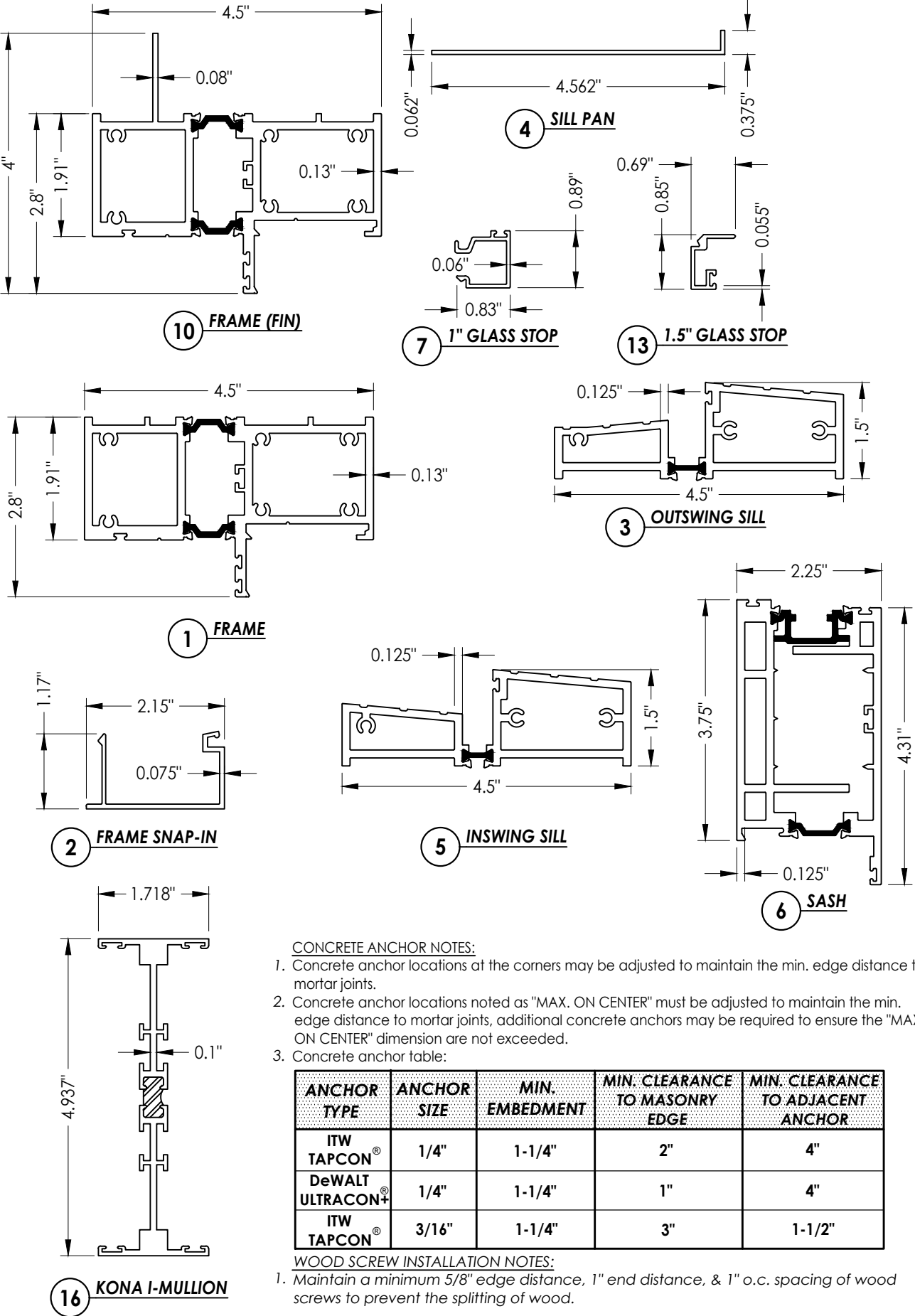
CHK. BY: LFS

DRAWING NO.:

FL-17954.3

SHEET 12 OF 13

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL - MANUFACTURER
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 x 1-3/4" PPH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
G	#10 x 2" PPH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
J	1/4" X 2-1/4" ITW PFH CONCRETE SCREW	STEEL
K	#10 FH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	FRAME	6063-T6 ALUM
2	FRAME SNAP-IN	6063-T6 ALUM
3	OUTSWING SILL	6063-T6 ALUM
4	SILL PAN	6063-T6 ALUM
5	INSWING SILL	6063-T6 ALUM
6	SASH	6063-T6 ALUM
7	1" GLASS STOP	6063-T6 ALUM
8	ATLANTIC SEAL CLIP	6063-T6 ALUM
10	FRAME (FIN)	6063-T6 ALUM
13	1.5" GLASS STOP	6063-T6 ALUM
16	KONA I-MULLION	6063-T6 ALUM
20	BULB VINYL - MINI (EPDM 70 Durometer)	TREMCO, # TX20801E
21	BULB VINYL - LARGE (EPDM 70 Durometer)	TREMCO, # TX19638E
22	FOAM SEAL	EMESBURY, # 32390
23	Q-LON FOAM SEAL	SCHLEGEL CORP., # Q225T190
24	Q-LON FOAM SEAL	SCHLEGEL CORP., # Q375T190
25	Q-LON FOAM SEAL	SCHLEGEL CORP., # QEZ 376
31	BUTT HINGE	SAVIO
32	BACK UP KIT	SAVIO
33	HINGE BOLT, 8M X 48MM (FOR PANEL)	SAVIO
36	BACK UP PLATE FOR CORNER BLOCK	-
37	MACHINE SCREW NO 10-32, FHP 1.125"	STAINLESS STEEL
38	MACHINE SCREW NO 10-32, FHP .75"	STAINLESS STEEL
39	HEX HEAD CAP SCREW .375-16, 2.250"	STAINLESS STEEL
40	.375-16 SS. HEX NUT	STAINLESS STEEL
41	.375 SPLIT LOCK WASHER	STAINLESS STEEL
44	#8 x 1/2" PFH SMS	STAINLESS STEEL
46	#10 X 1/2" PFH SMS	STAINLESS STEEL
47	#10 X 2" PFH SMS	STAINLESS STEEL
48	#8 x 1" PFH SMS	STAINLESS STEEL
50	4" LONG SETTING BLOCK	-
55	FIXED SILL BLOCK	6063-T6 ALUM
56	LATCH AND DEADBOLT STRIKE PLATE	STAINLESS STEEL
57	STRIKE PLATE	STAINLESS STEEL
60	TDL BAR	6063-T6 ALUM

[illegible]