

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



Series 3900-T w/ Series 3800-T

Aluminum Side Hinged Single Door w/ Sidelites

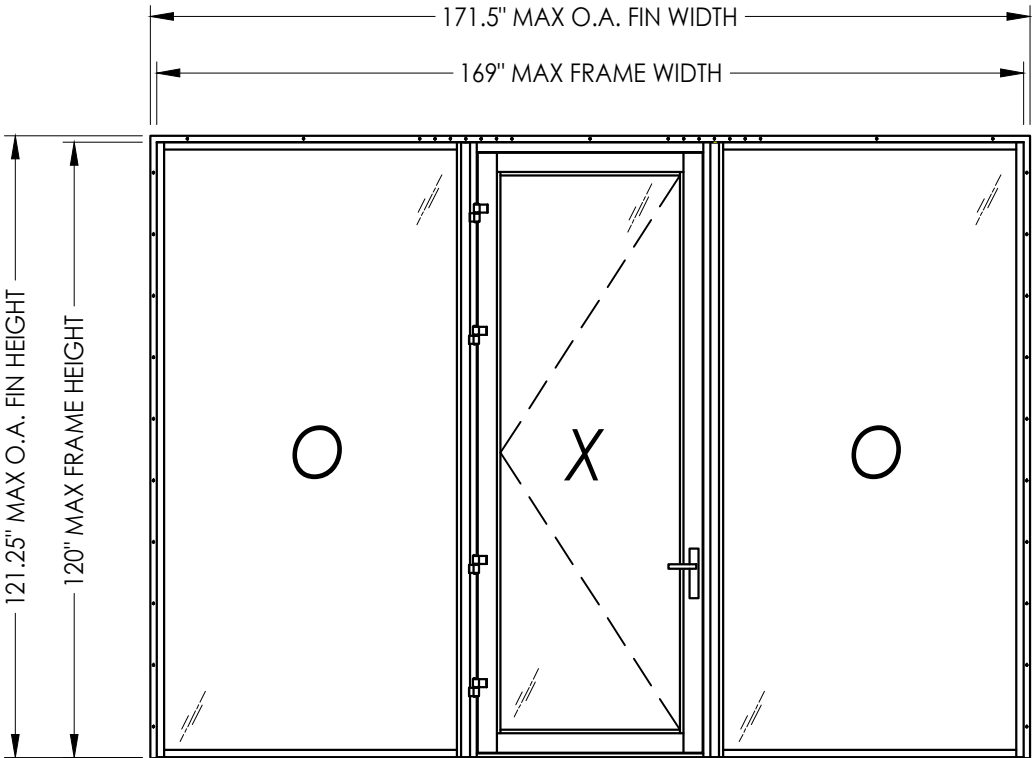
Inswing/Outswing

"IMPACT"

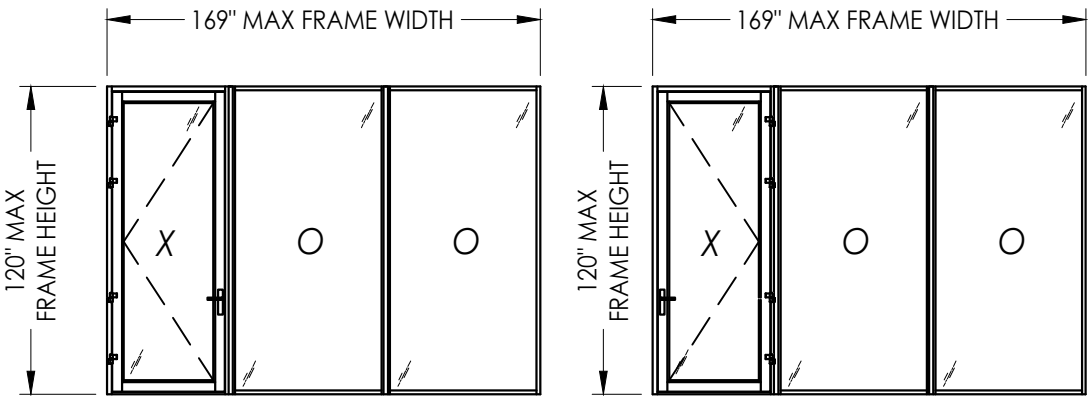
GENERAL NOTES

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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9	Frame anchoring
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12	Bill of materials and glazing details (G5)

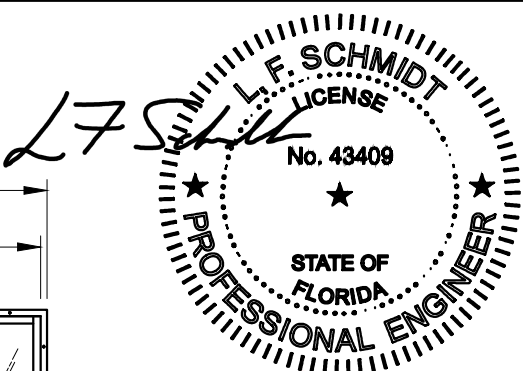


FIN MOUNT



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"	57.0" X 117.0"	G1, G2, G3, G4, G5	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.11 15:55:14 -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
considered signed and sealed and the signature
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

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: 7/29/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

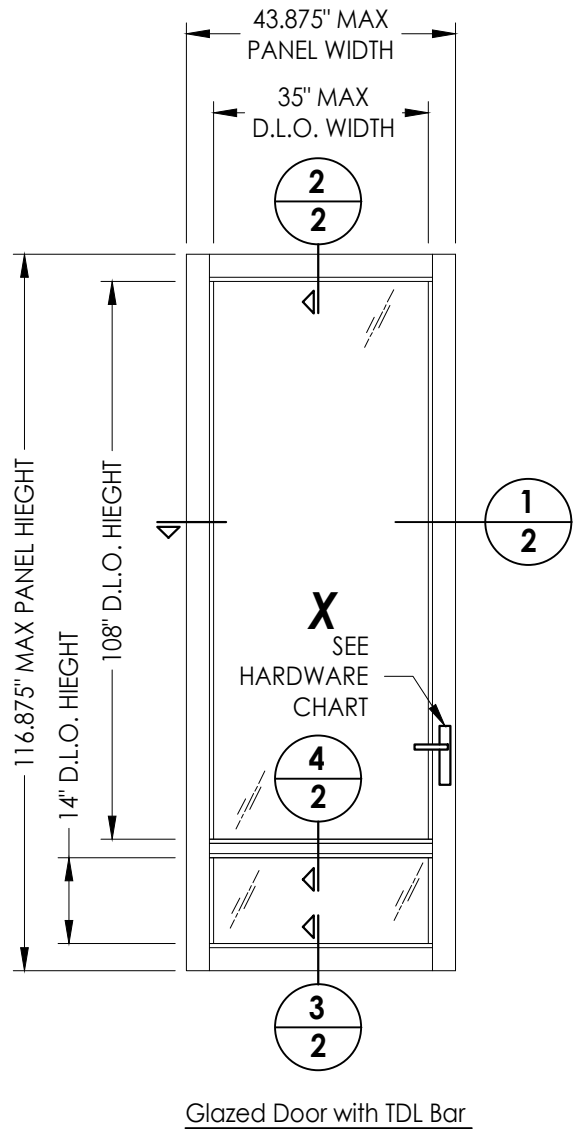
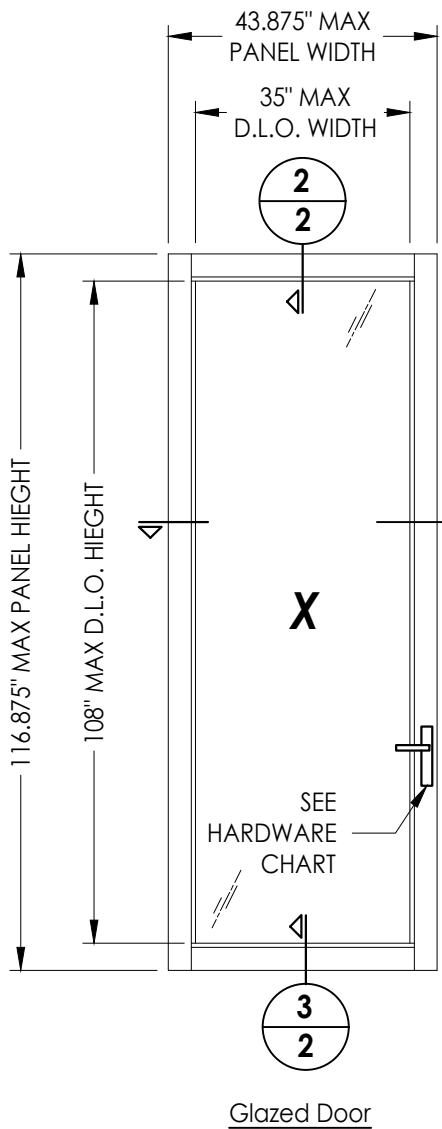
DRAWING NO.: FL-17954.4

SHEET 1 OF 12

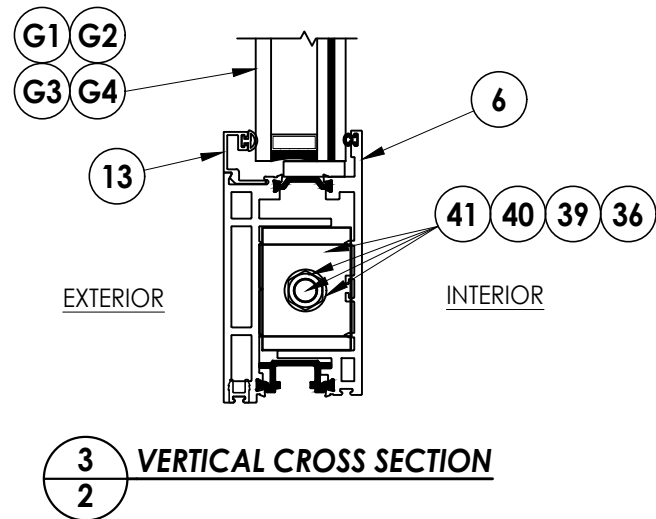
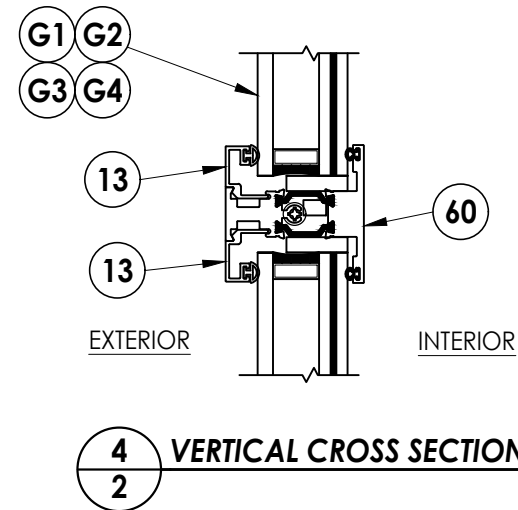
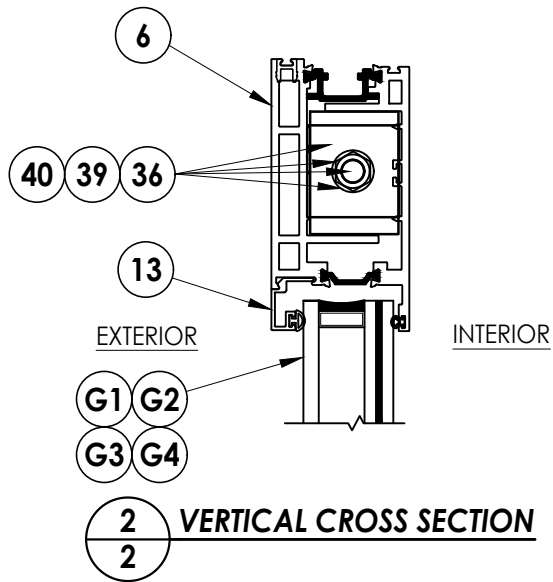
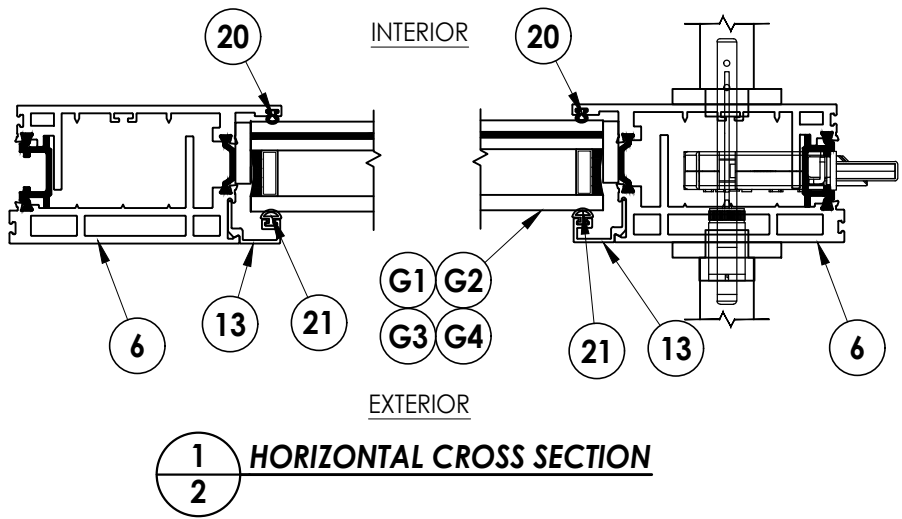
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FBPE Registry No. 9813

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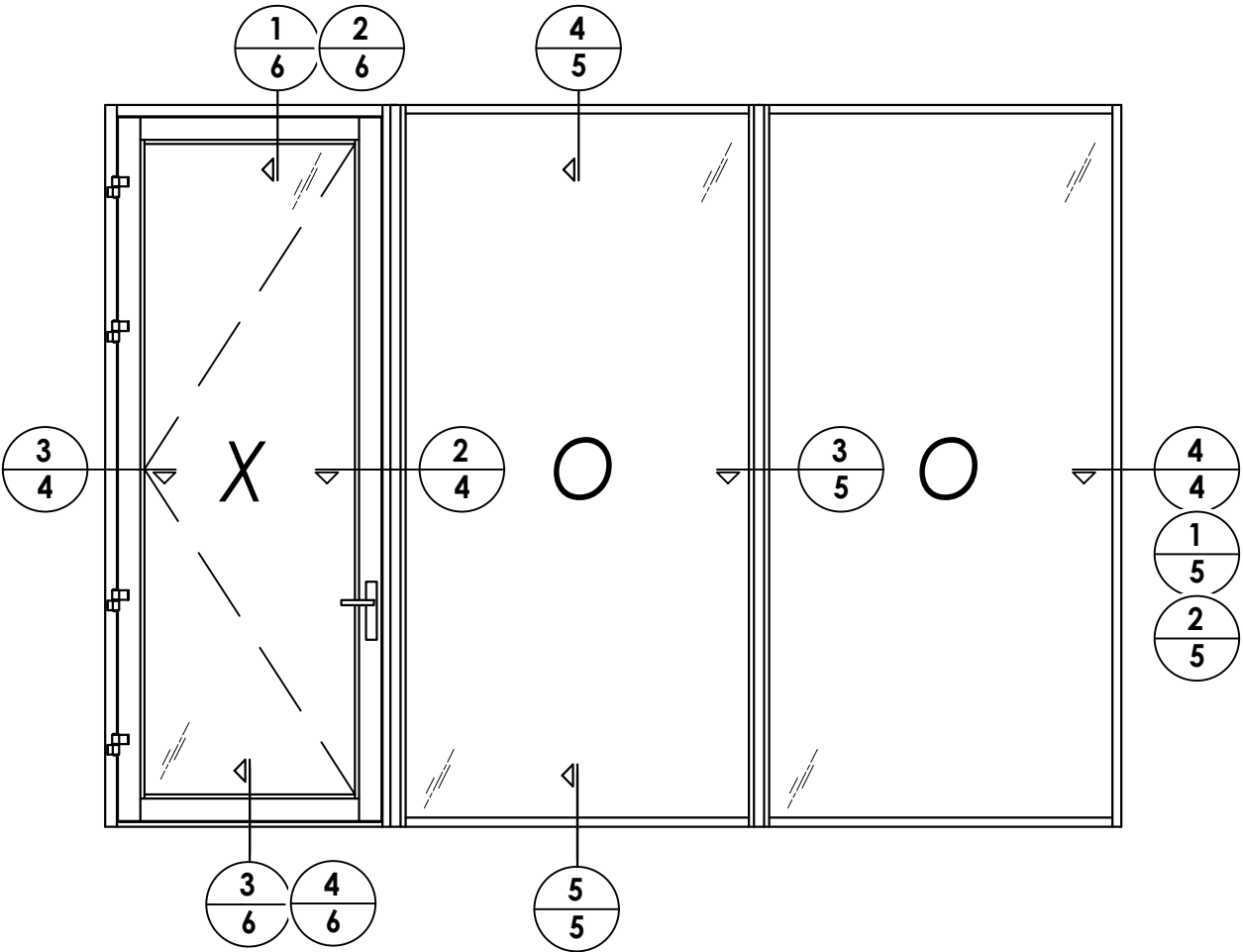


HARDWARE TABLE	
MANUFACTURER	MODEL
TRUTH	MULTI-POINT LOCK: 5 POINT LOCK

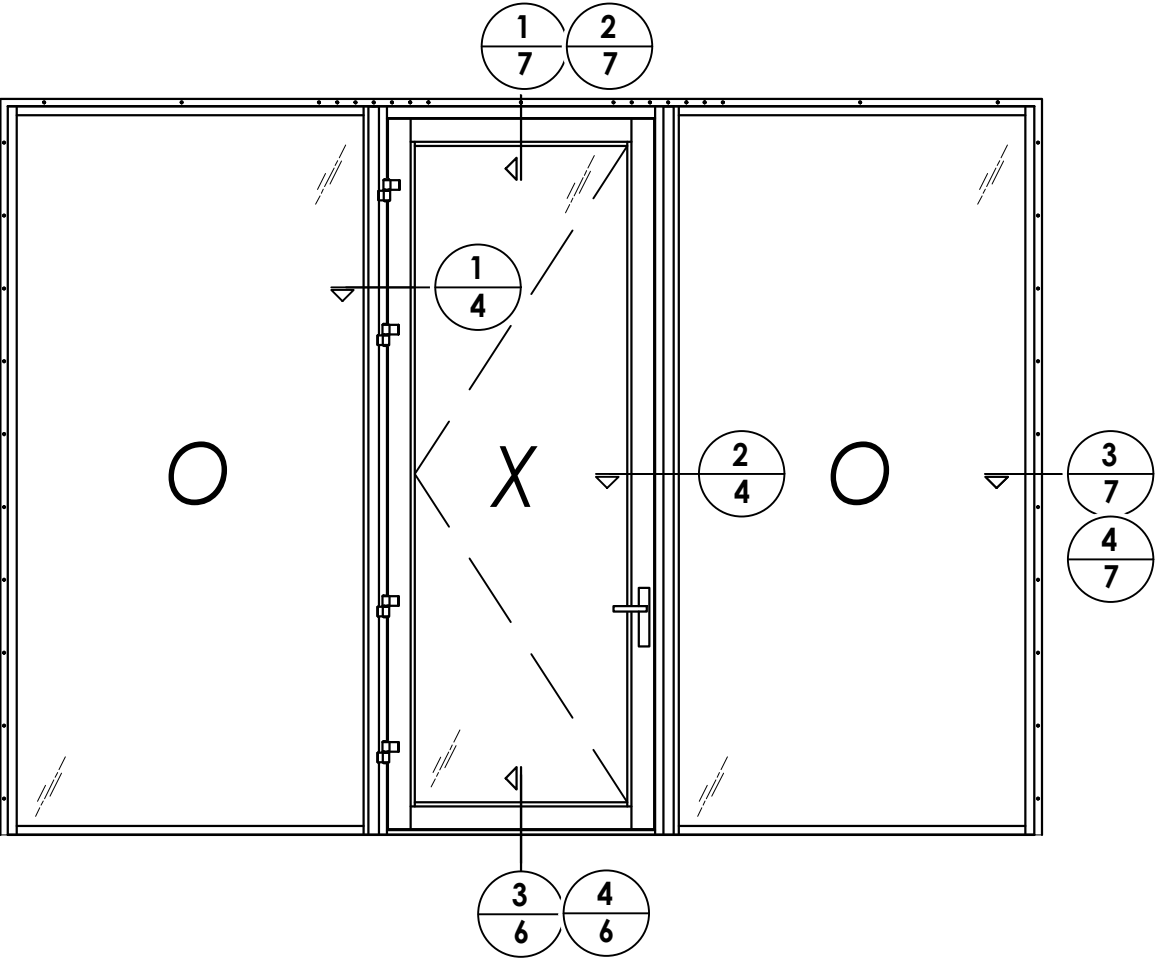


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PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: DOOR PANEL DETAILS	
3	7/11/23	UPDATE TO 8TH ED. (2023)	FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020)	FBC DAC
1	08/07/17	UPDATE TO 6th ED. (2017)	FBC LFS
NO.	DATE	REVISIONS	
DATE: 7/29/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17954.4			
SHEET 2 OF 12			

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FRAME MOUNT
XOO Shown



FIN MOUNT
OXO Shown

DATE: 7/29/15	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-17954.4	
SHEET 3	OF 12

REVISIONS	
NO.	DATE
3	7/11/23
2	8/11/20
1	08/07/17

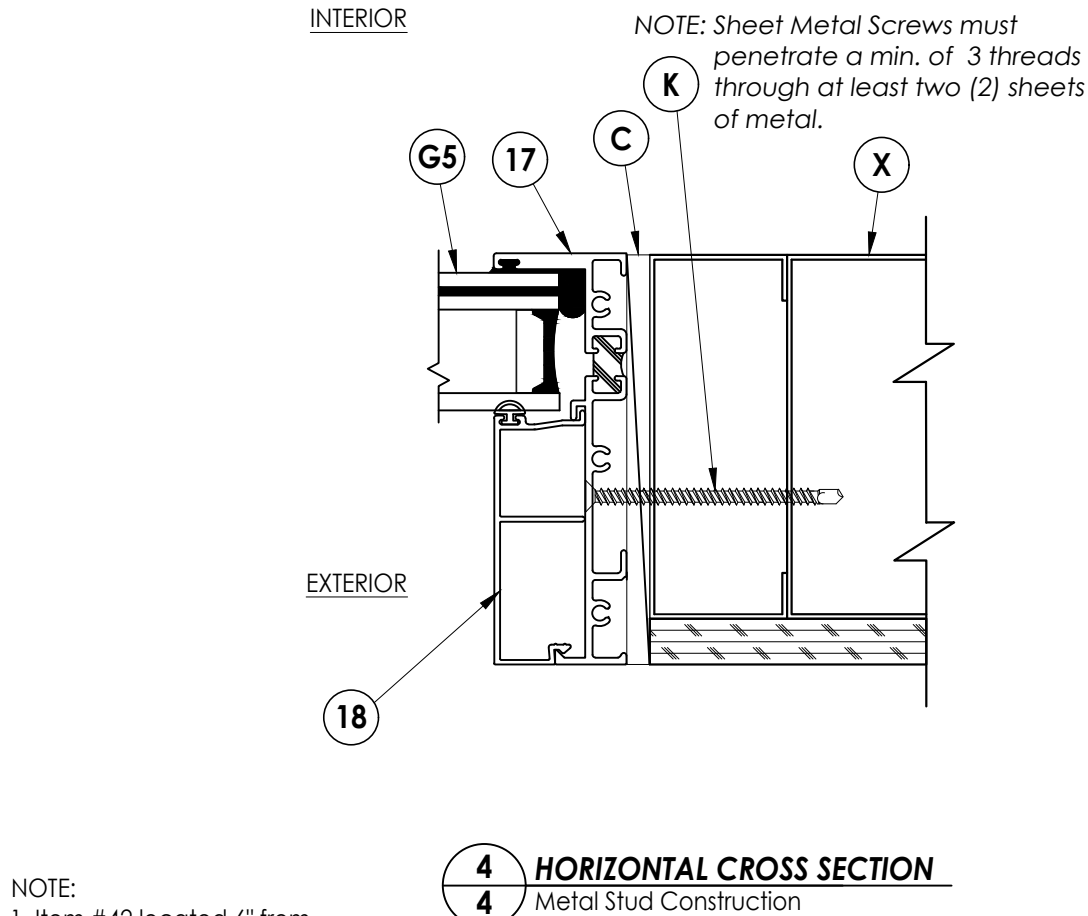
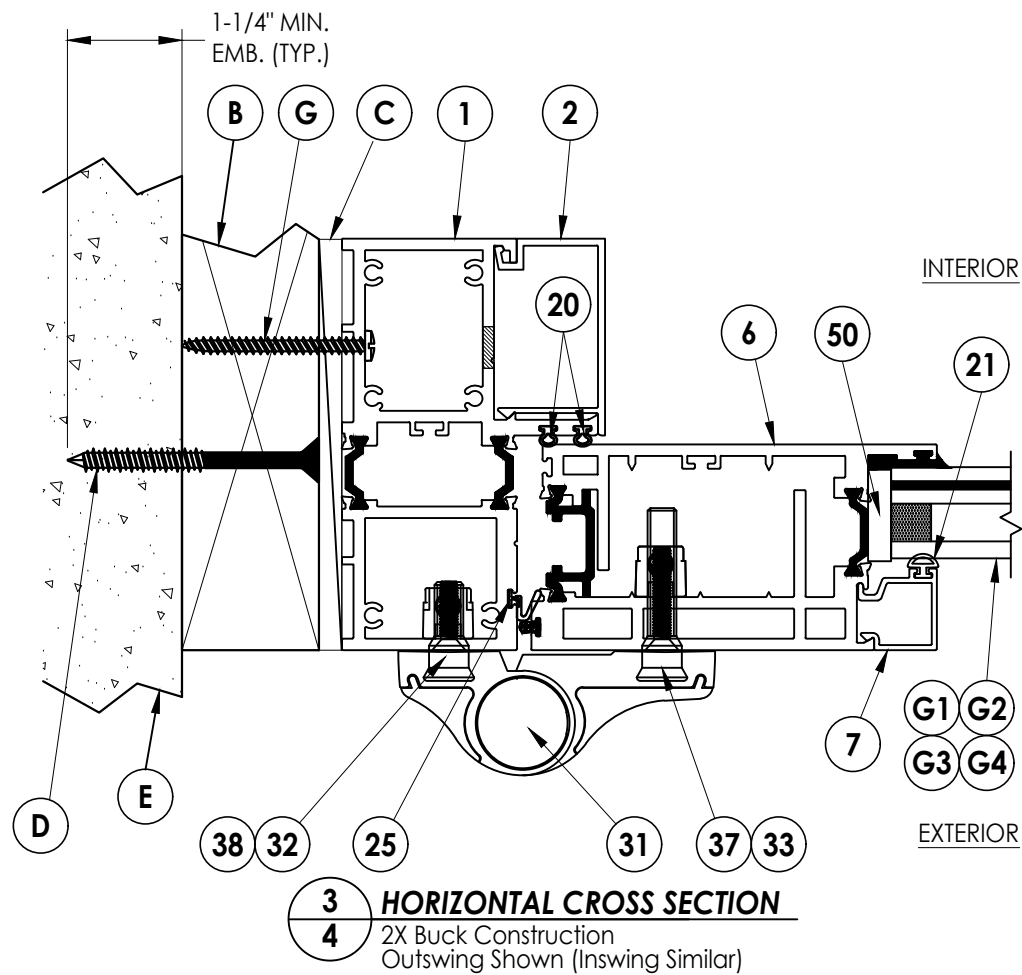
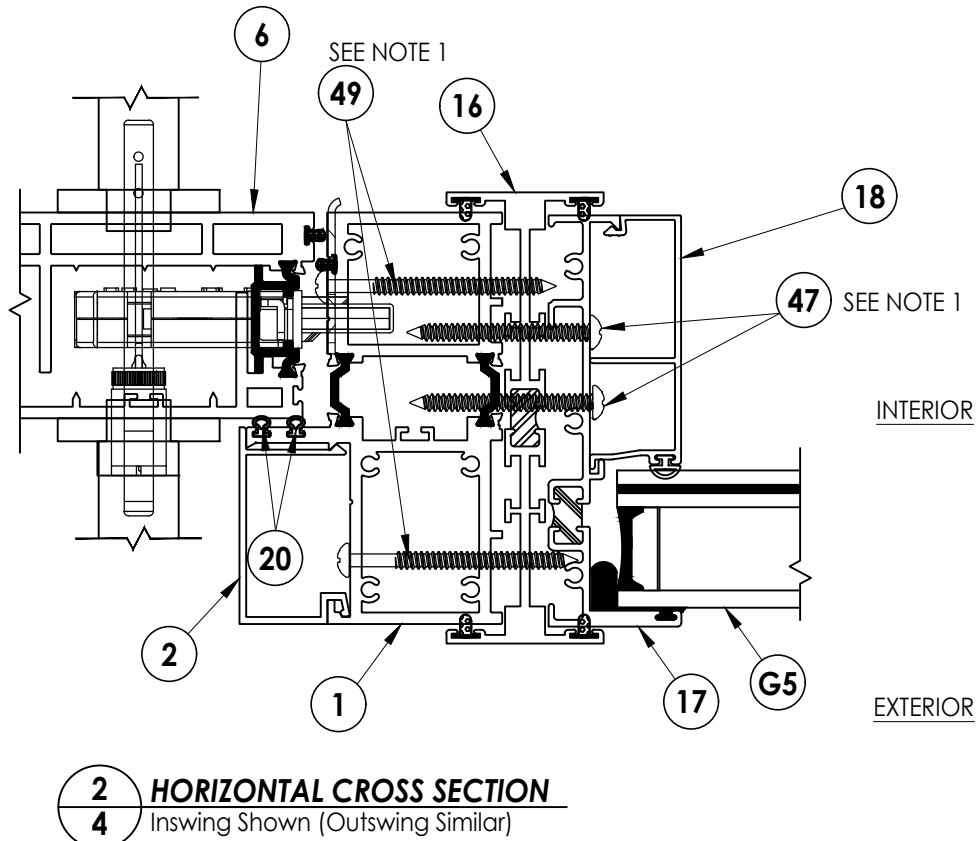
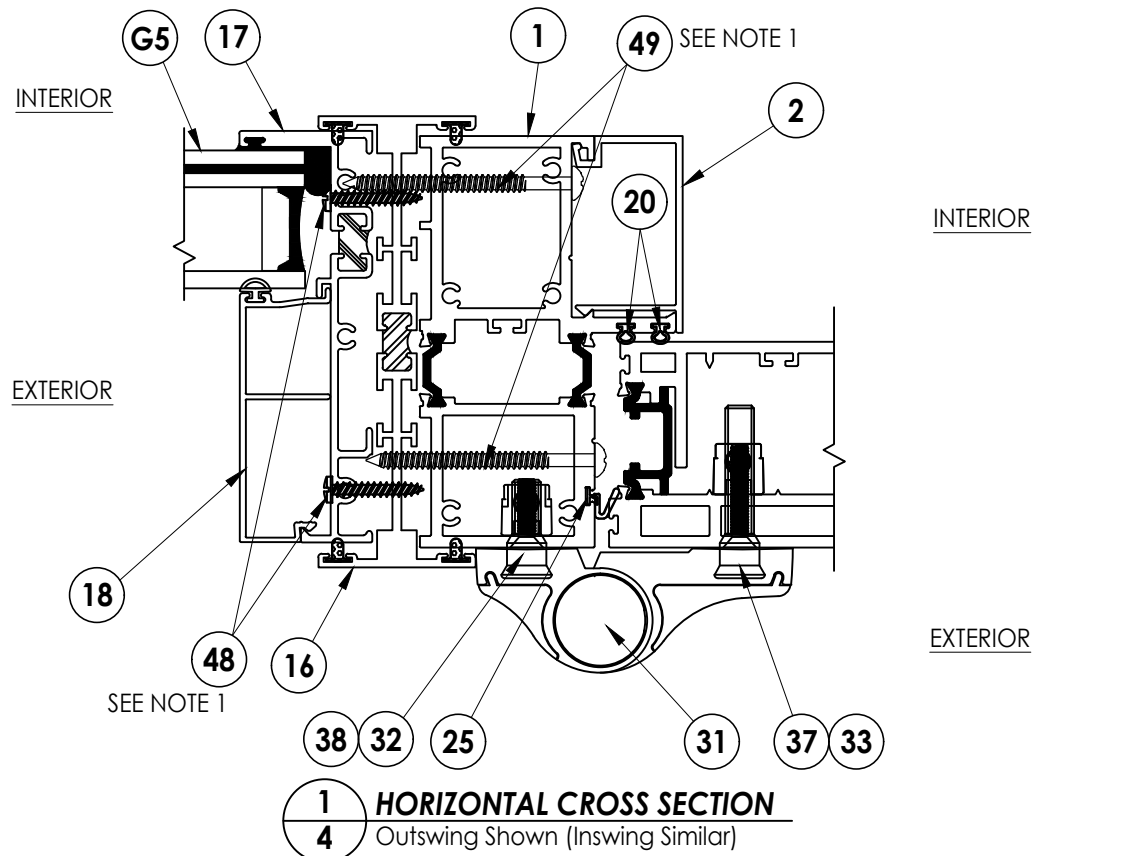
PRODUCT:	
FLEETWOOD WINDOWS AND DOORS	
PART OR ASSEMBLY:	
ELEVATIONS	

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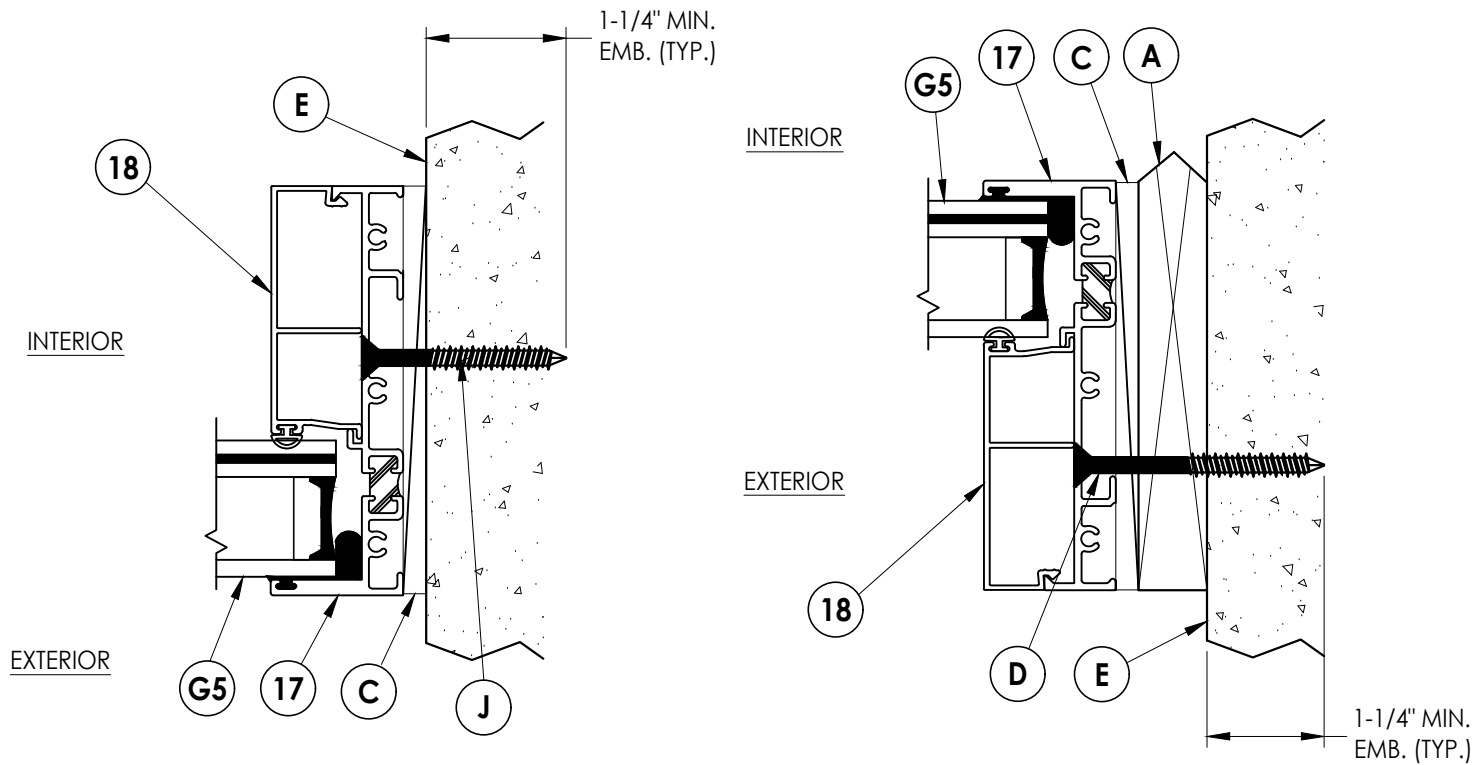
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NOTE:
1. Item #42 located 6" from
each end then 12" on center.

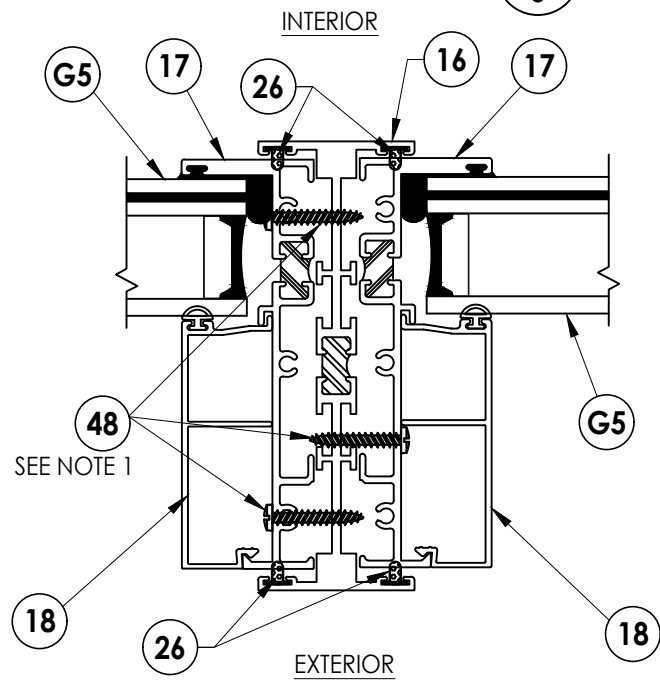
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DOCUMENTS PREPARED BY:		FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
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SCALE: N.T.S.		FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DWG. BY: JK		FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
CHK. BY: LFS		FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DRAWING NO.: FL-17954.4		FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
SHEET 4 OF 12		FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	

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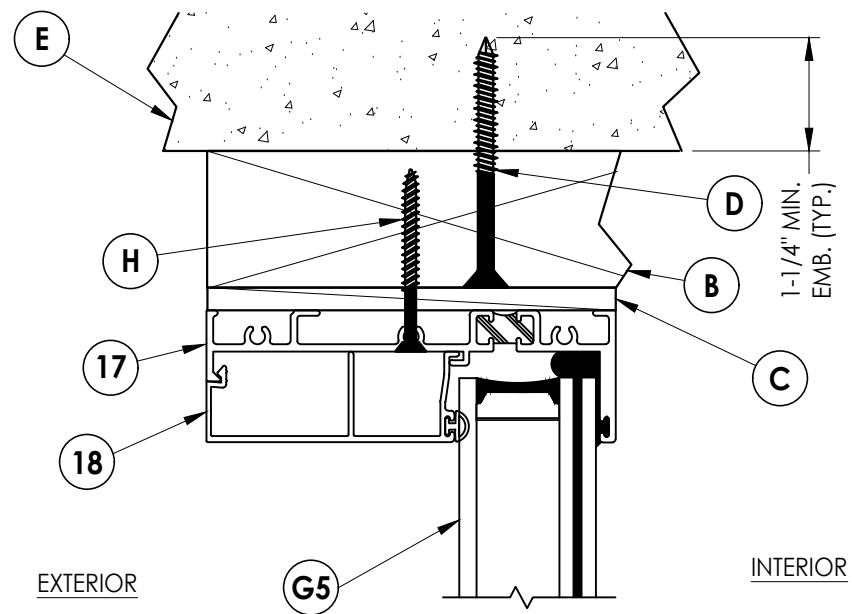
1
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry

2
5 **HORIZONTAL CROSS SECTION**
1X Buck Construction

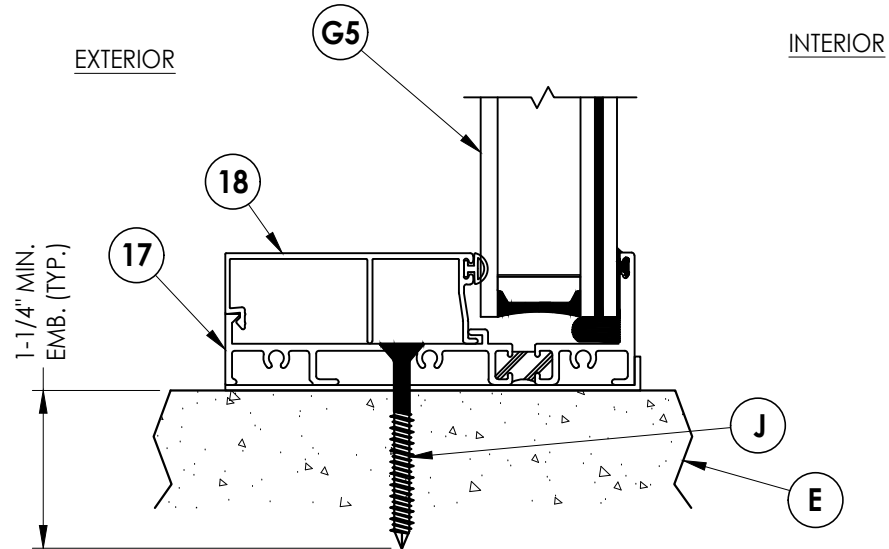


3
5 **HORIZONTAL CROSS SECTION**

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



4
5 **VERTICAL CROSS SECTION**
2X Buck Construction



5
5 **VERTICAL CROSS SECTION**

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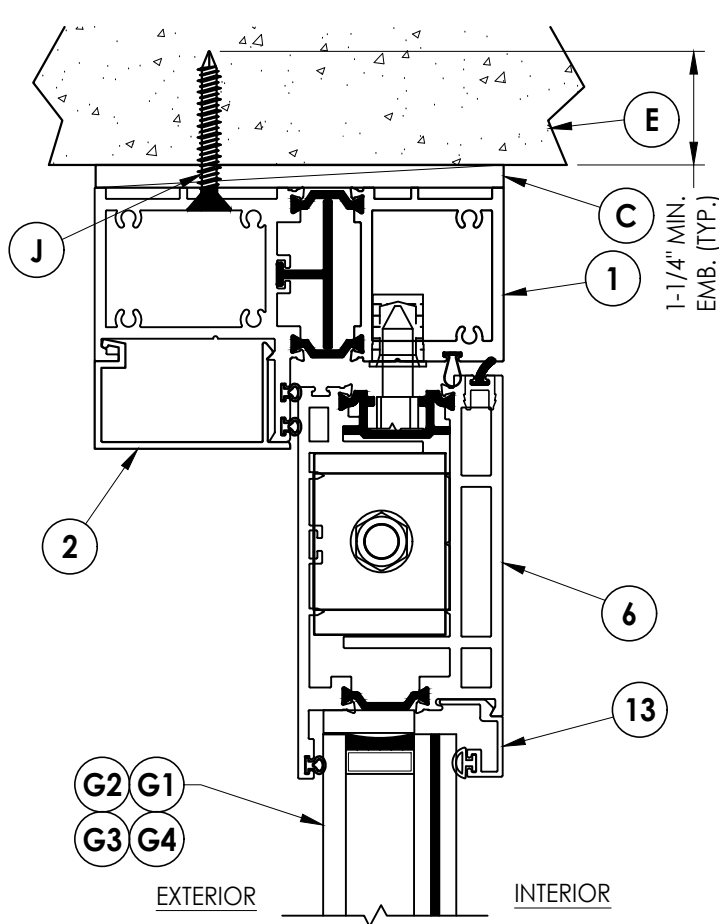
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
HORIZONTAL AND VERTICAL
CROSS SECTIONS

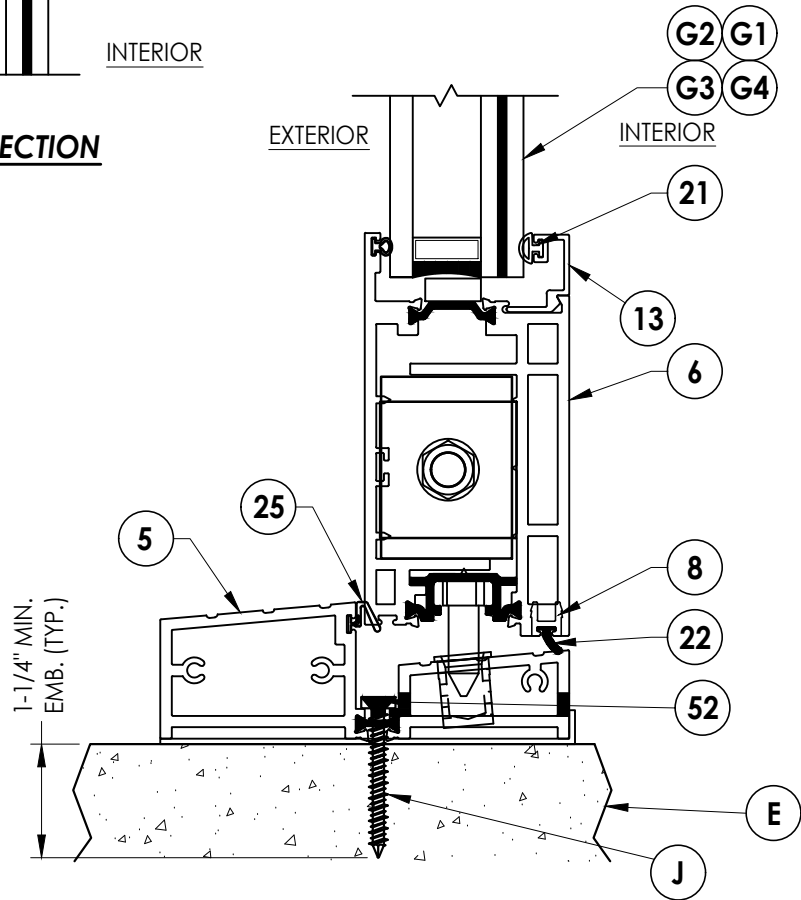
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-17954.4
SHEET 5 OF 12

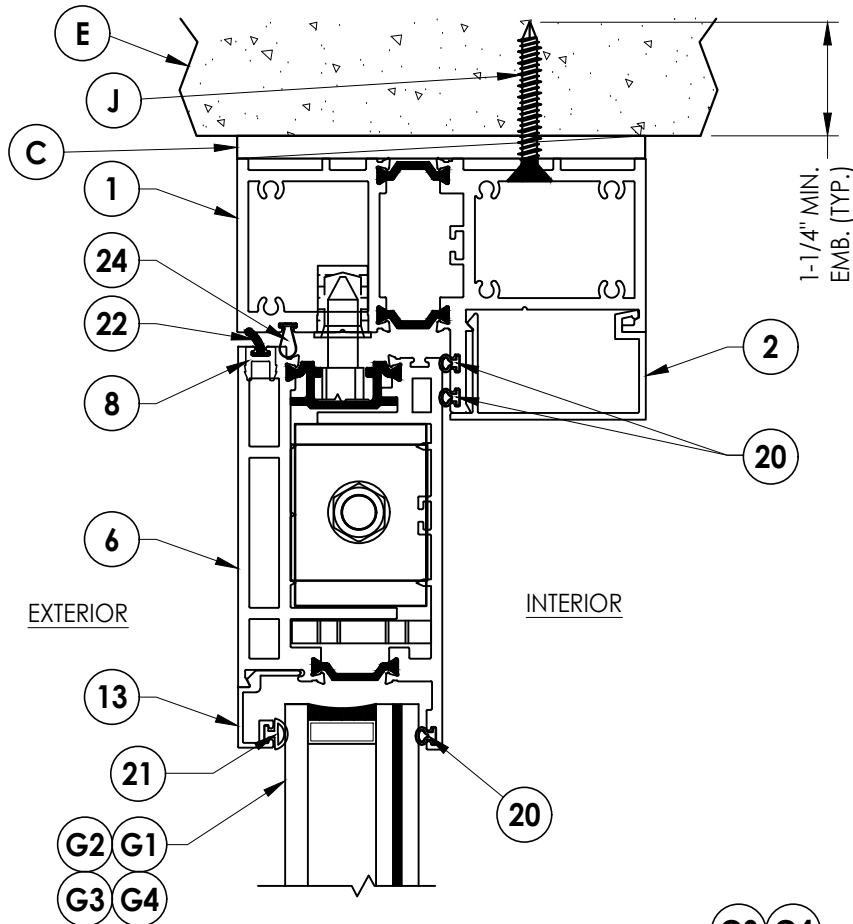
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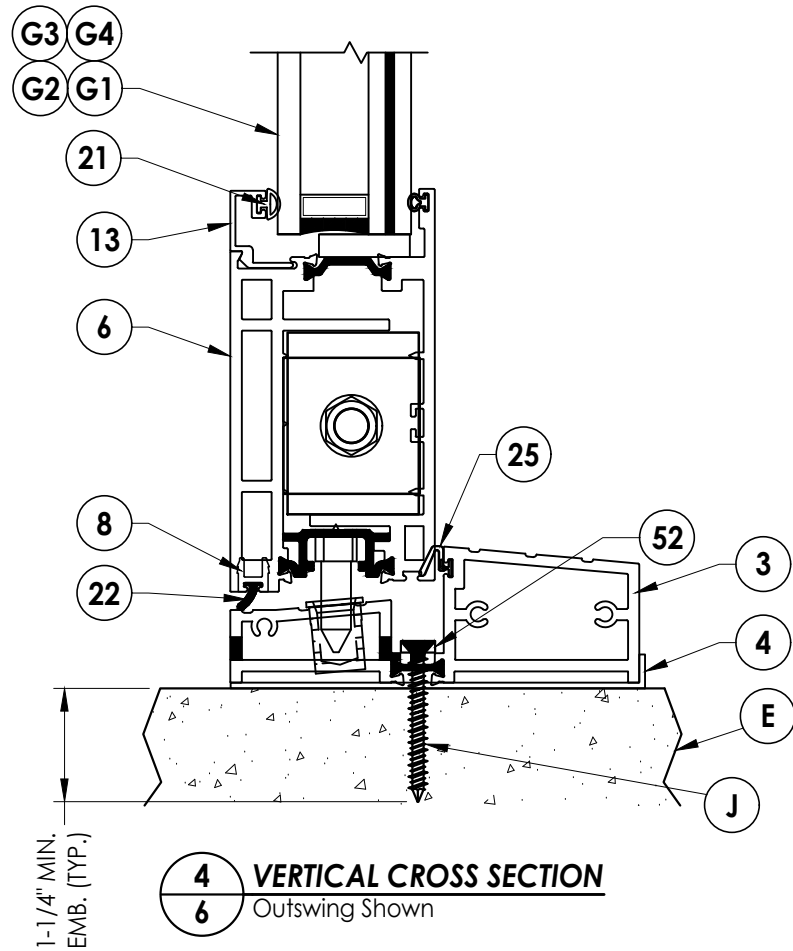
1
6 VERTICAL CROSS SECTION
Inswing Shown



3
6 VERTICAL CROSS SECTION
Inswing Shown



2
6 VERTICAL CROSS SECTION
Outswing Shown



4
6 VERTICAL CROSS SECTION
Outswing Shown

Documents Prepared By:
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P.E. No. 43409

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FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:

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: 7/29/15

SCALE: N.T.S.

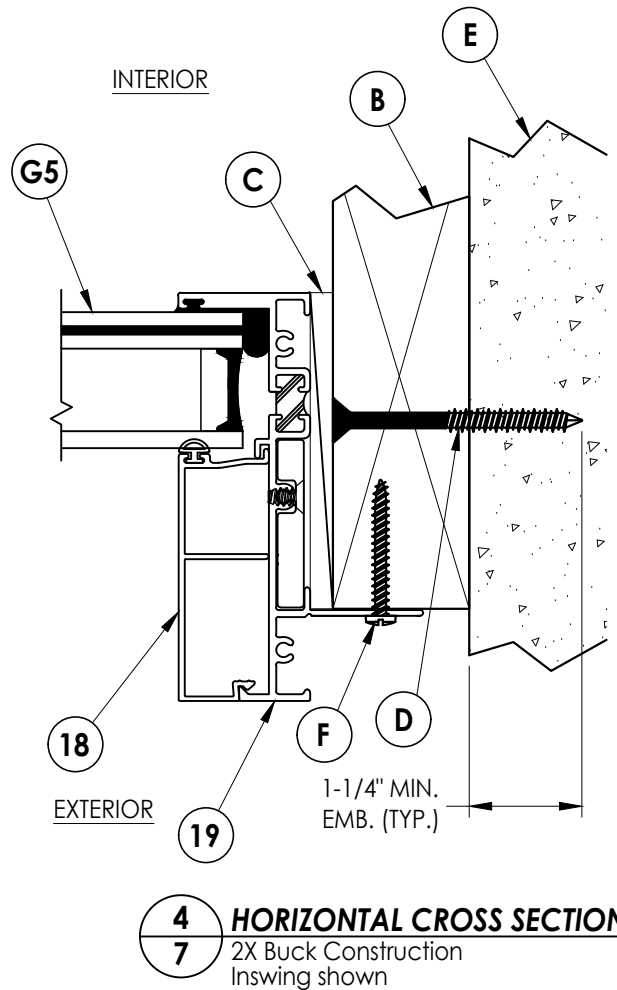
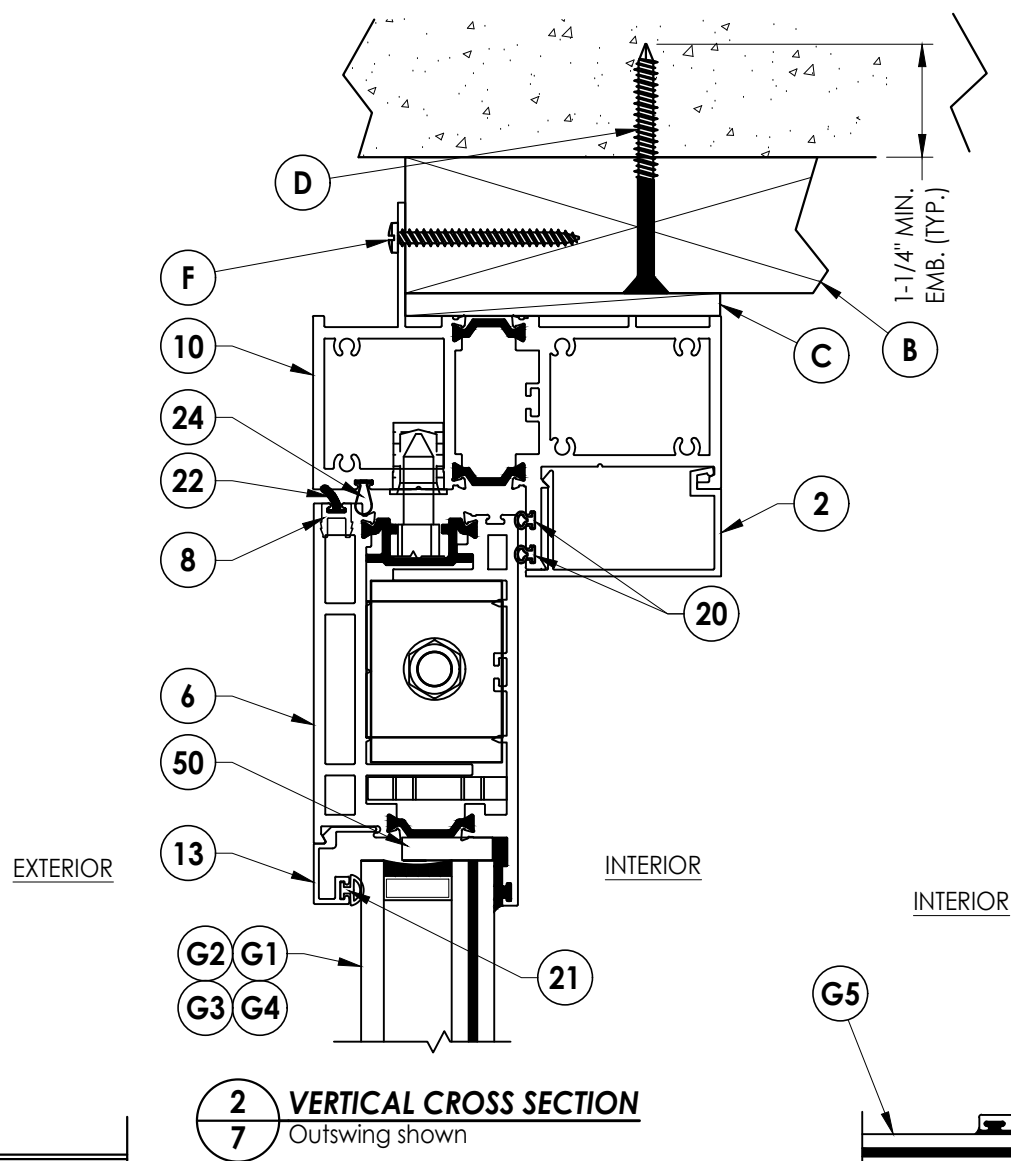
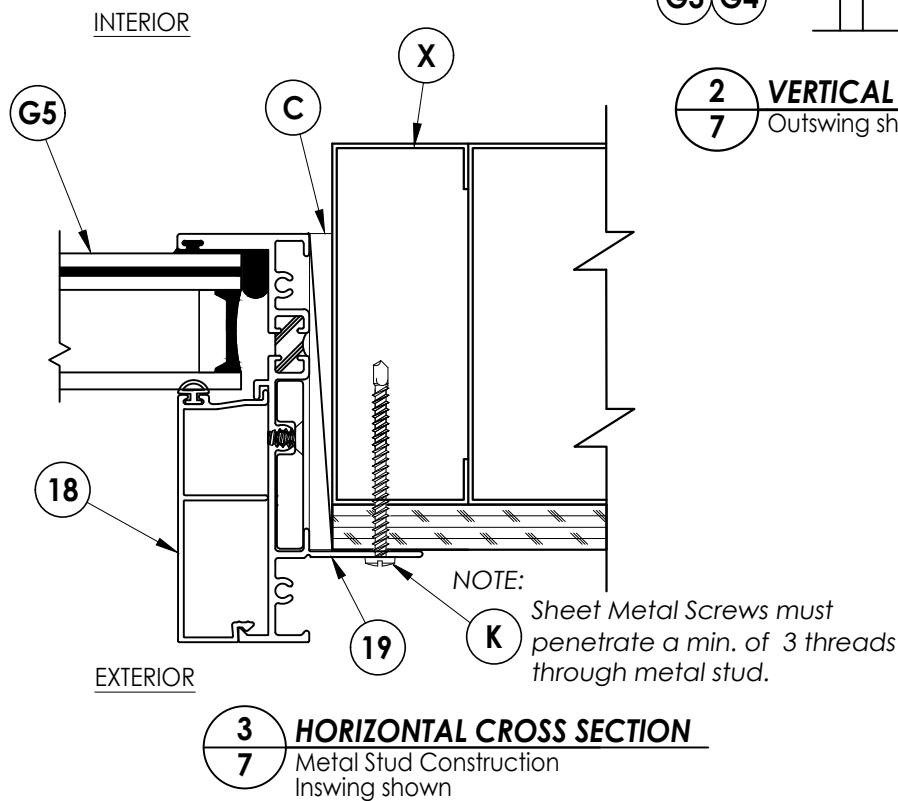
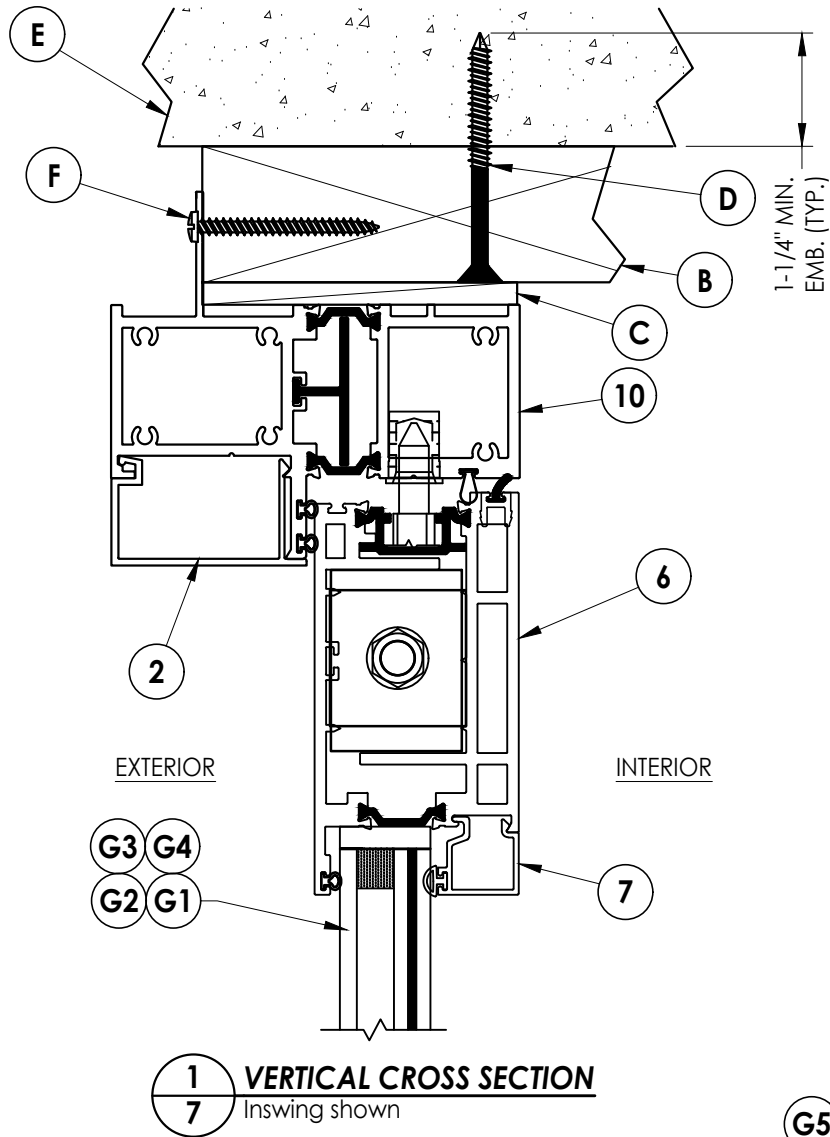
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CHK. BY: LFS

DRAWING NO.: FL-17954.4

SHEET 6 OF 12

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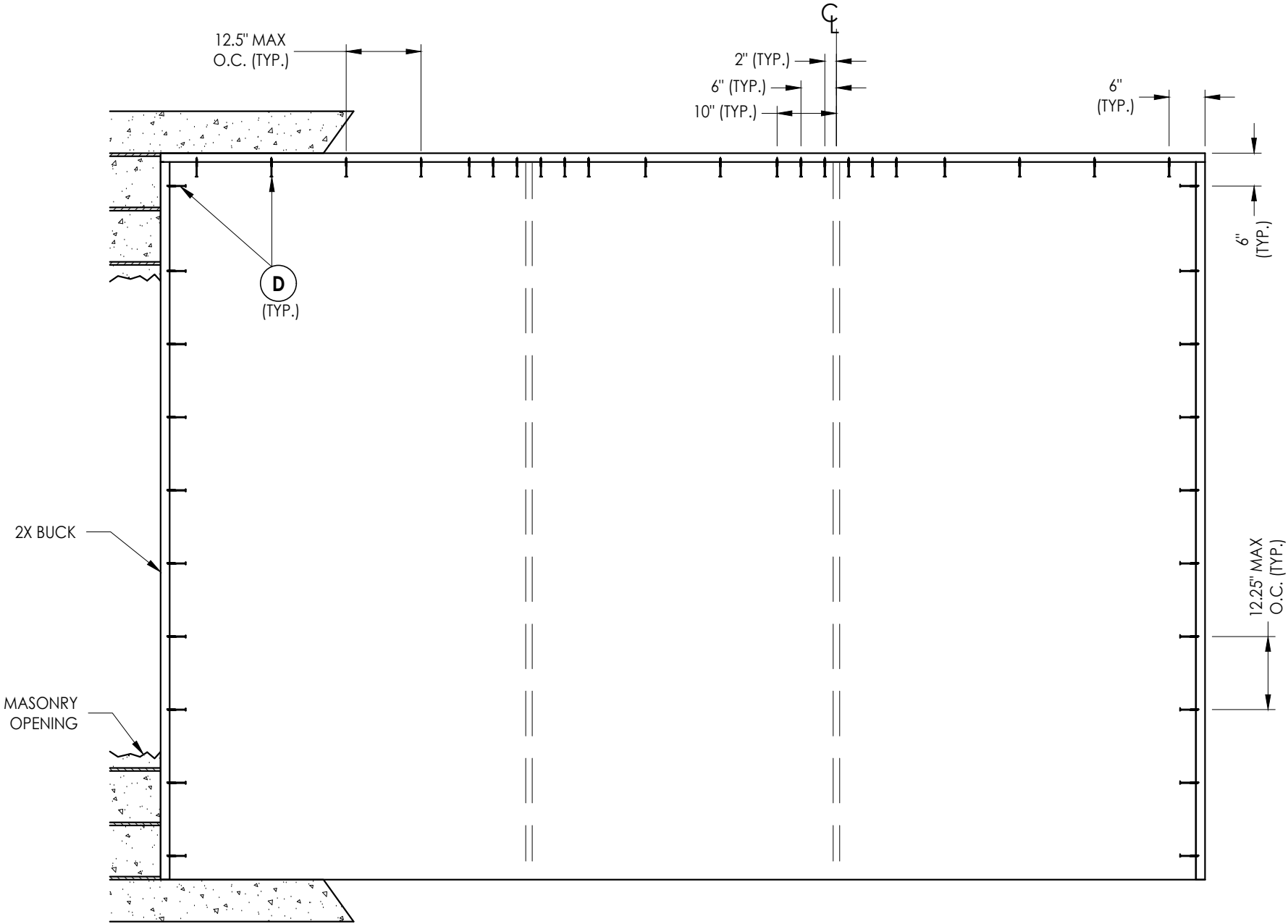


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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17954.4
SHEET	7 OF 12

FLEETWOOD WINDOWS AND DOORS	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
NO.	DATE		

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2X BUCK ANCHORING

OXO Shown (XOO Similar)

DATE: 7/29/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17954.4

SHEET 8 OF 12

PRODUCT:	
FLEETWOOD WINDOWS AND DOORS	
PART OR ASSEMBLY:	
BUCK ANCHORING	

REVISIONS	
NO.	DATE
3	7/11/23
2	8/11/20
1	08/07/17

DATE: 7/29/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

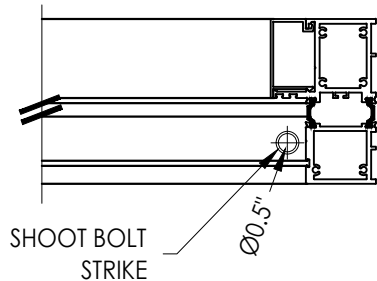
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SHEET 8 OF 12

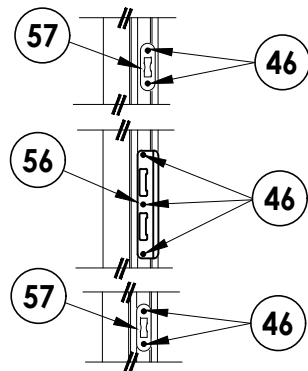
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FIN ANCHORING
OXO Shown (XOO Similar)



DETAIL 1



Technical drawing of the front view of the 'S' model. The drawing shows a vertical assembly with dimensions and callouts. The total height is 35.5". The distance from the bottom to the first callout (57) is 17.5". The distance from the bottom to the second callout (56) is 39.03". The distance from the bottom to the third callout (57) is 17.5". The callouts 57 and 56 point to specific components of the assembly.

STRIKE PLATE DETAIL

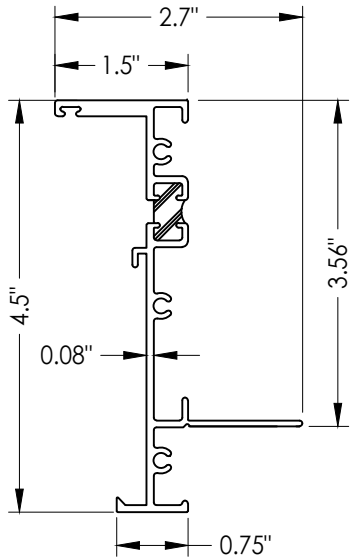
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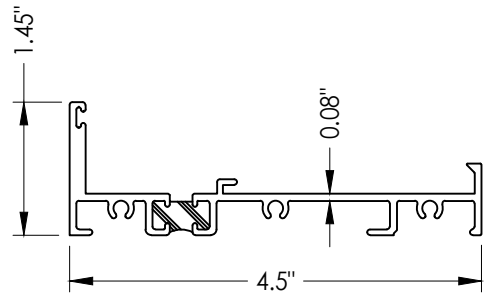
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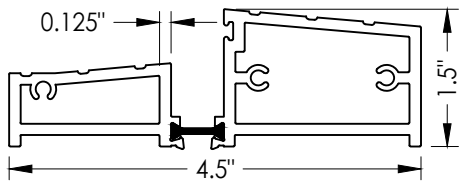
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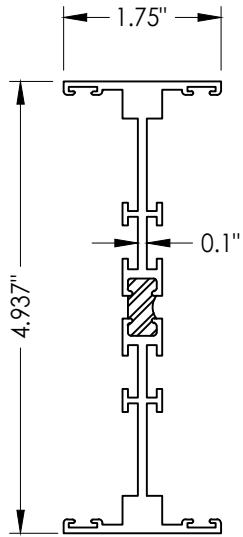
17 KONA FRAME
(Fin)



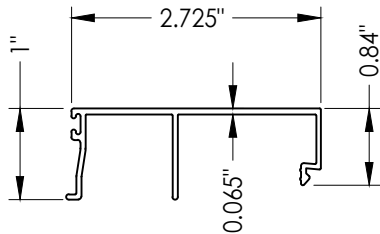
19 KONA FRAME



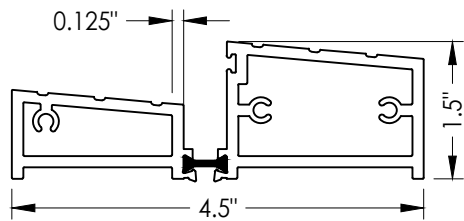
3 OUTSWING SILL



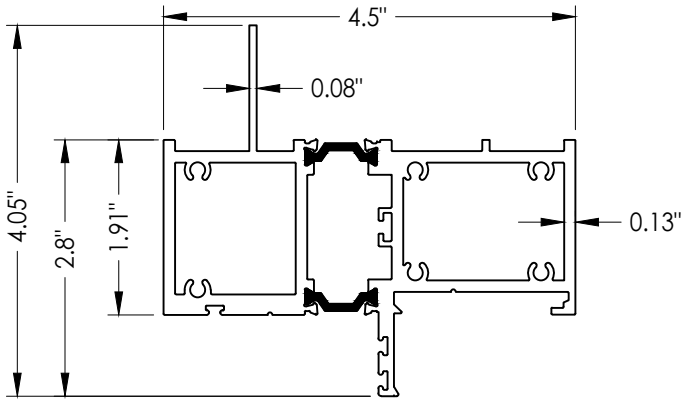
16 KONA I-MULLION



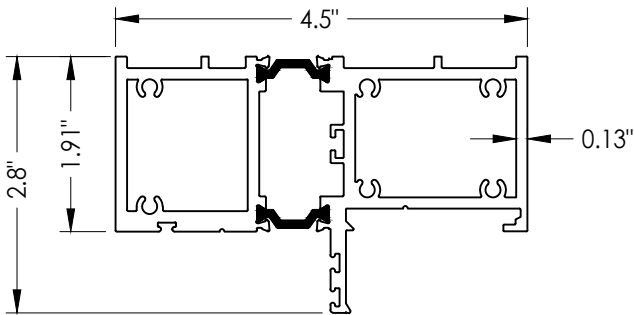
18 KONA 1-1/2" GLASS STOP



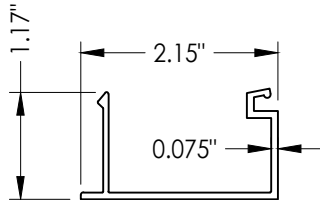
5 INSWING SILL



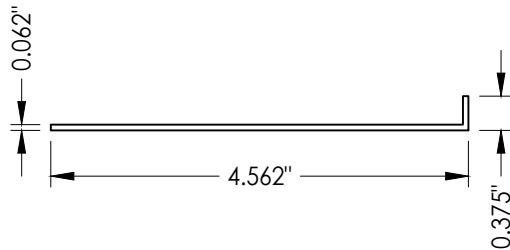
10 FRAME (FIN)



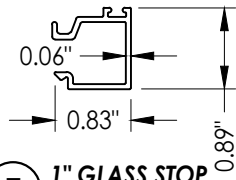
1 FRAME



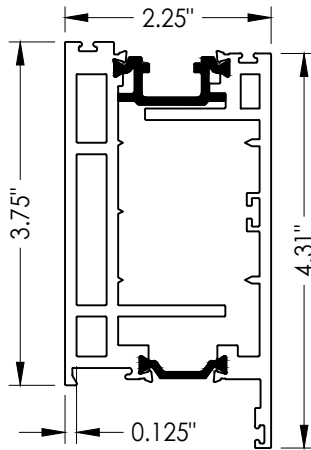
2 FRAME SNAP-IN



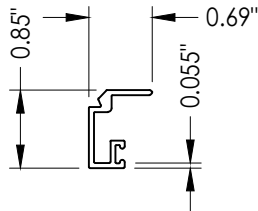
4 SILL PAN



7 1" GLASS STOP



6 SASH



13 1.5" GLASS STOP

DATE: 7/29/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17954.4

SHEET 11 OF 12

PRODUCT:

FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:

COMPONENTS

Documents Prepared By:

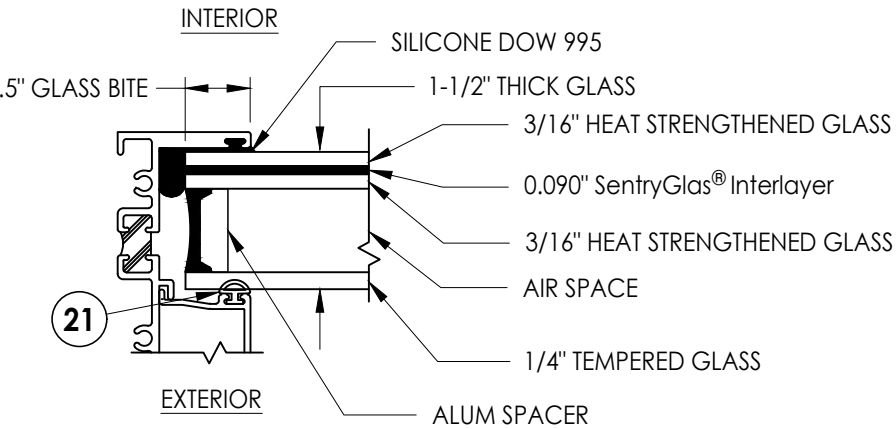
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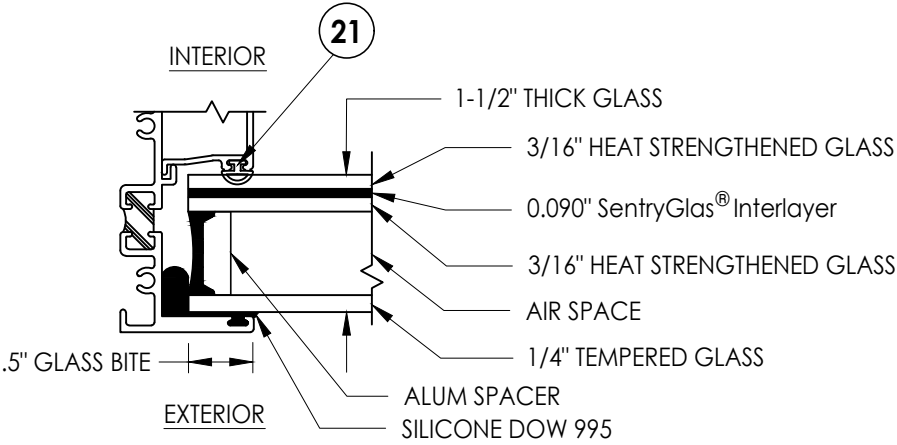
REVISIONS

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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
17	KONA FRAME (FIN)	6063-T6 ALUM
18	KONA 1-1/2" GLASS STOP	6063-T6 ALUM
19	KONA FRAME	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
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
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
49	#10 X 2-1/2" PFH SMS	STAINLESS STEEL
50	4" LONG SETTING BLOCK	-
52	ANCHOR BLOCK	6063-T6 ALUM
56	LATCH AND DEADBOLT STRIKE PLATE	STAINLESS STEEL
57	STRIKE PLATE	STAINLESS STEEL
60	TDL BAR	6063-T6 ALUM



G5 **GLAZING DETAIL**
(Outswing)



G5 GLAZING DETAIL
(Inswing)

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: BILL OF MATERIALS & GLAZING DETAILS (G5)	
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: 7/29/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17954.4			
SHEET 12 OF 12			