

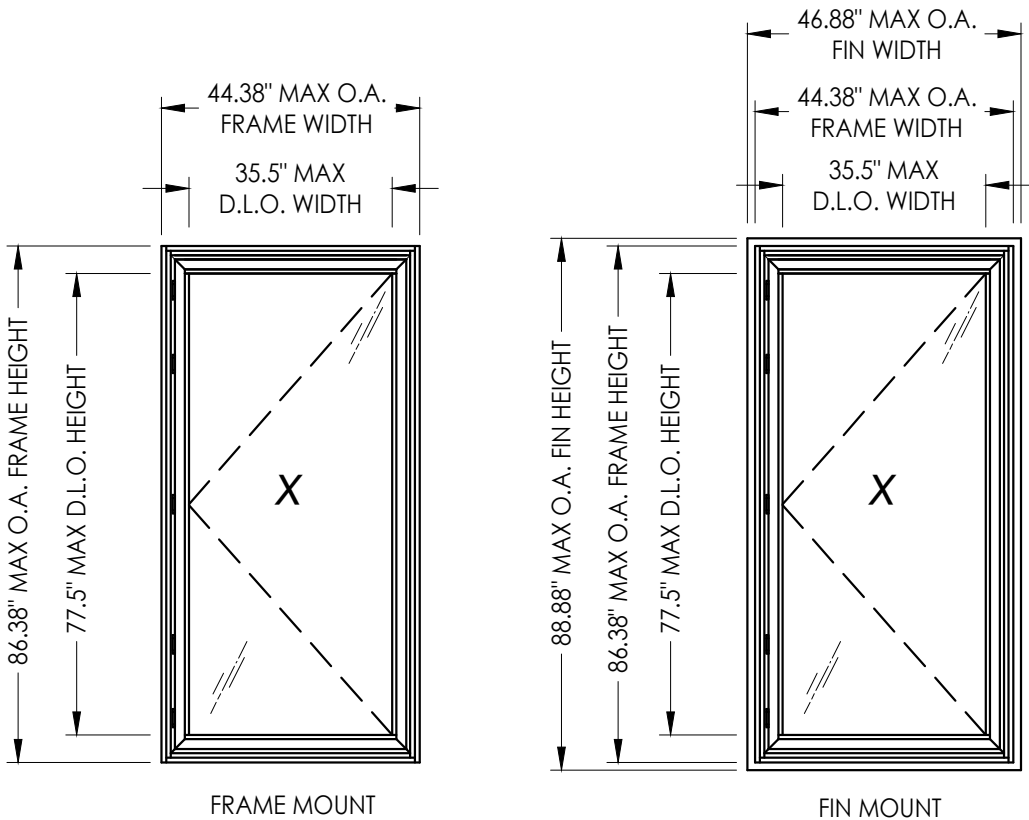


Series 3800-T w/ Series 350-T
Aluminum Casement Window
w/ Thermal Break Frame
(WET GLAZED)
"IMPACT"

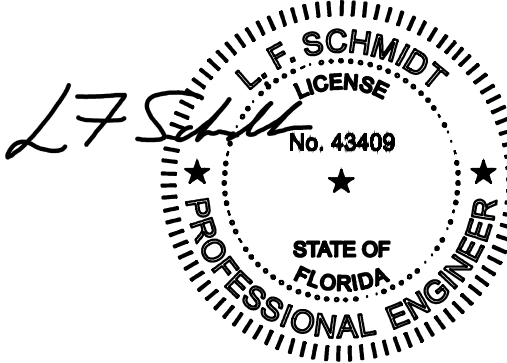
GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding 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 areas 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 E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Elevations
3	Horizontal & vertical cross sections
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5	Vertical cross section
6	Buck & frame anchoring
7	Hardware details
8	Glazing details
9	Bill of materials & components



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
46.88" X 88.88"	44.38" X 86.38"	33.5" X 77.5"	G1, G2, G3	+65.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.12 10:01:28 -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 & DOORS

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

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-14904.11

SHEET 1 OF 9

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

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

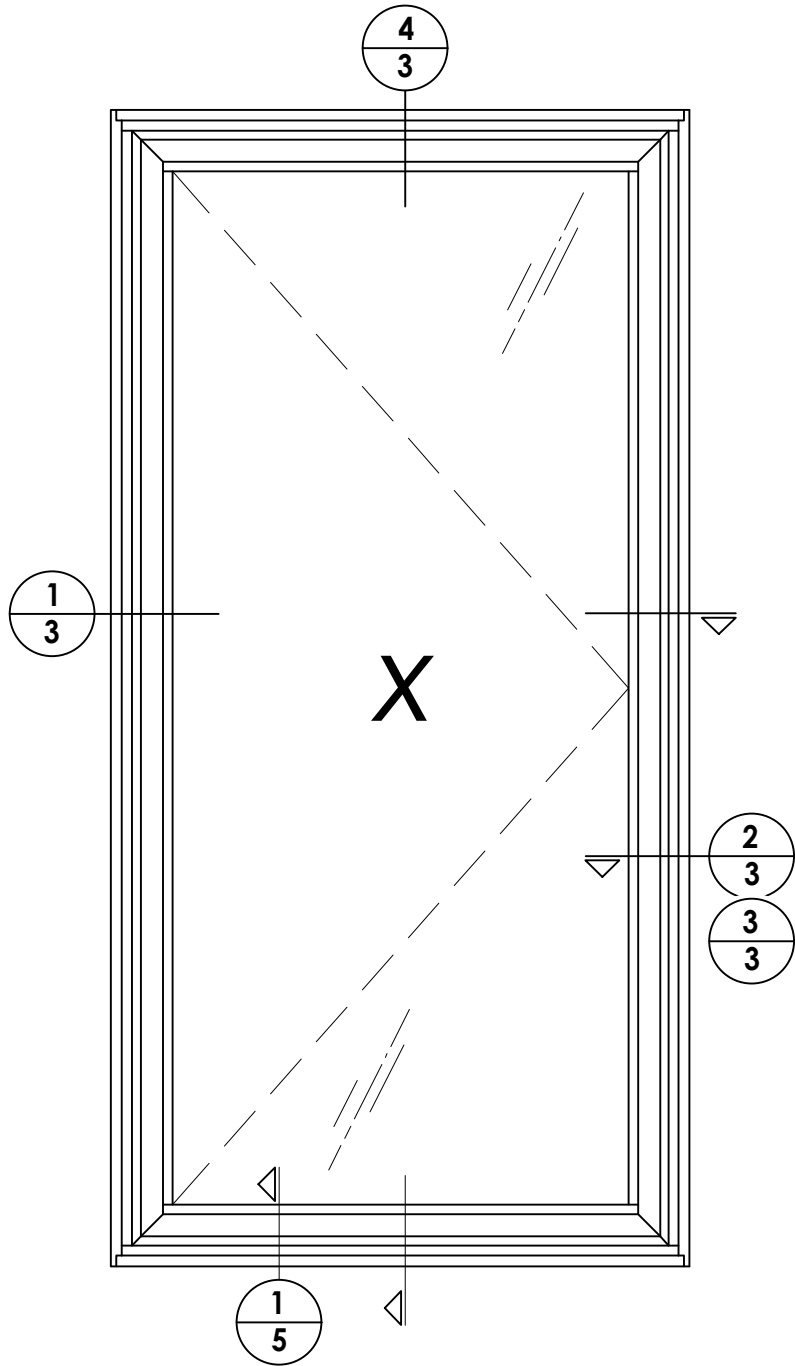
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DRAWING NO.: FL-14904.11

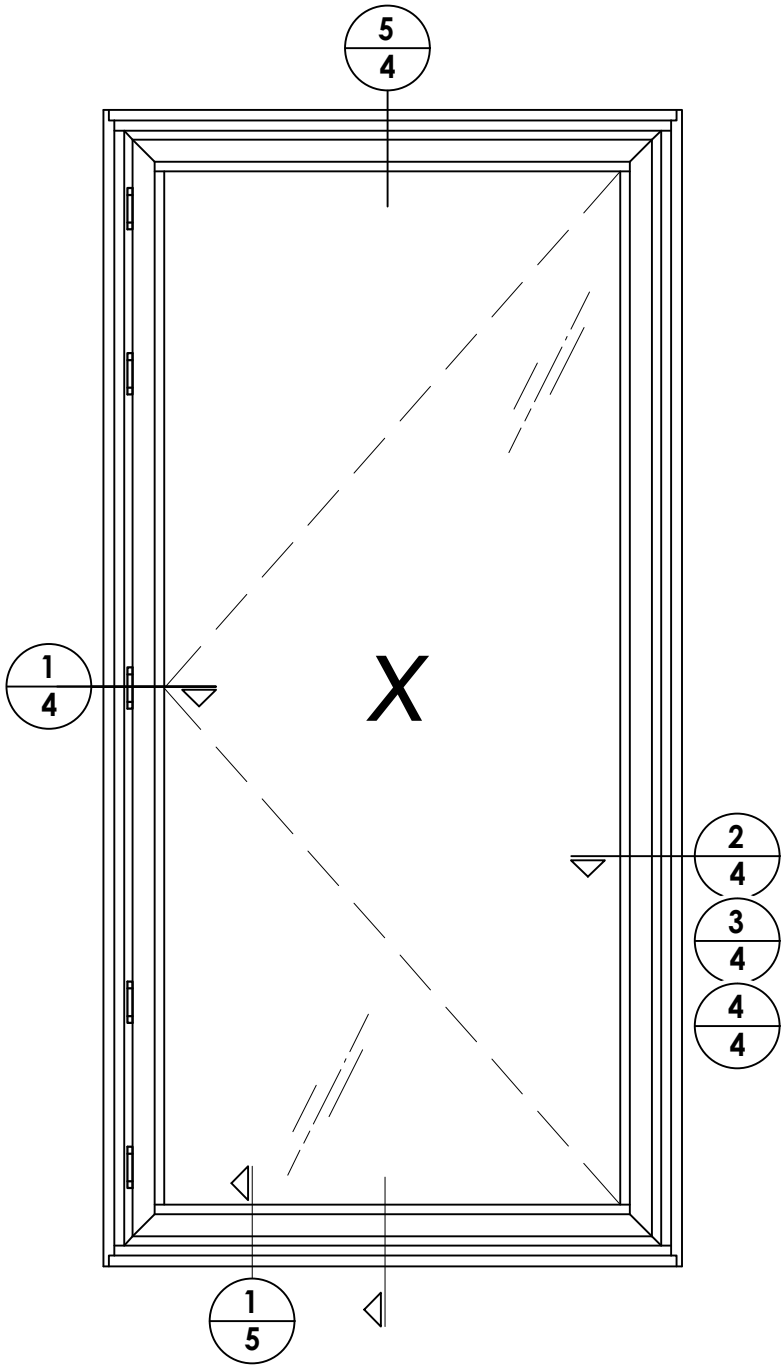
SHEET 1 OF 9

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4-BAR HINGE



BUTT HINGE

DATE:	12/01/21
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-14904.11
SHEET	2 OF 9

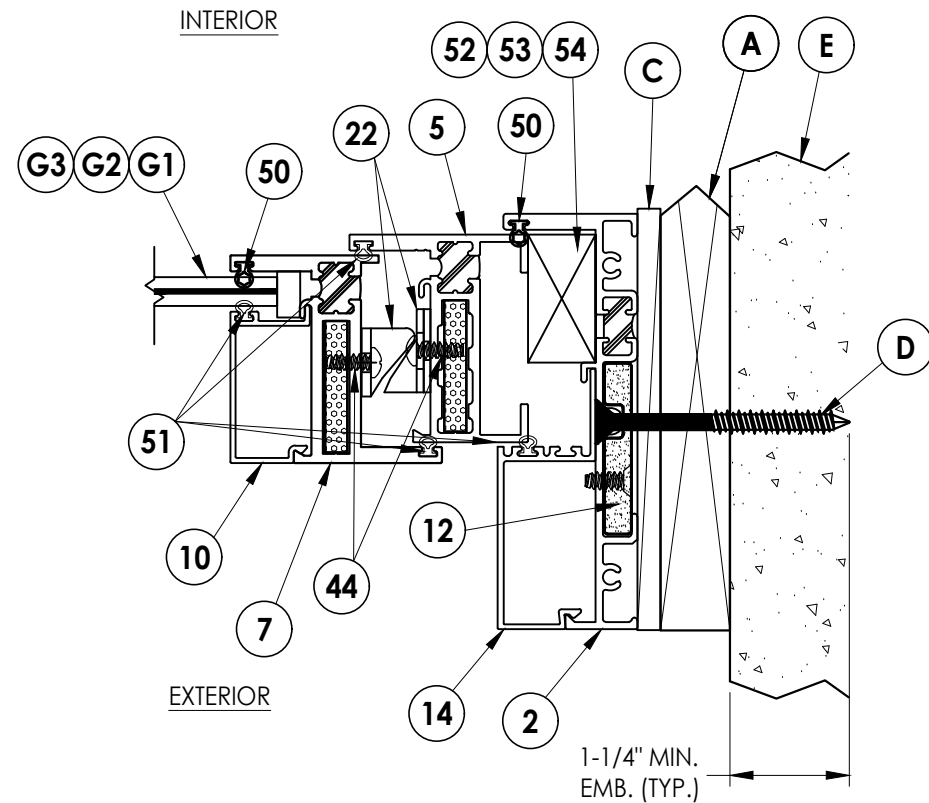
1	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
NO.	DATE			BY					

REVISIONS

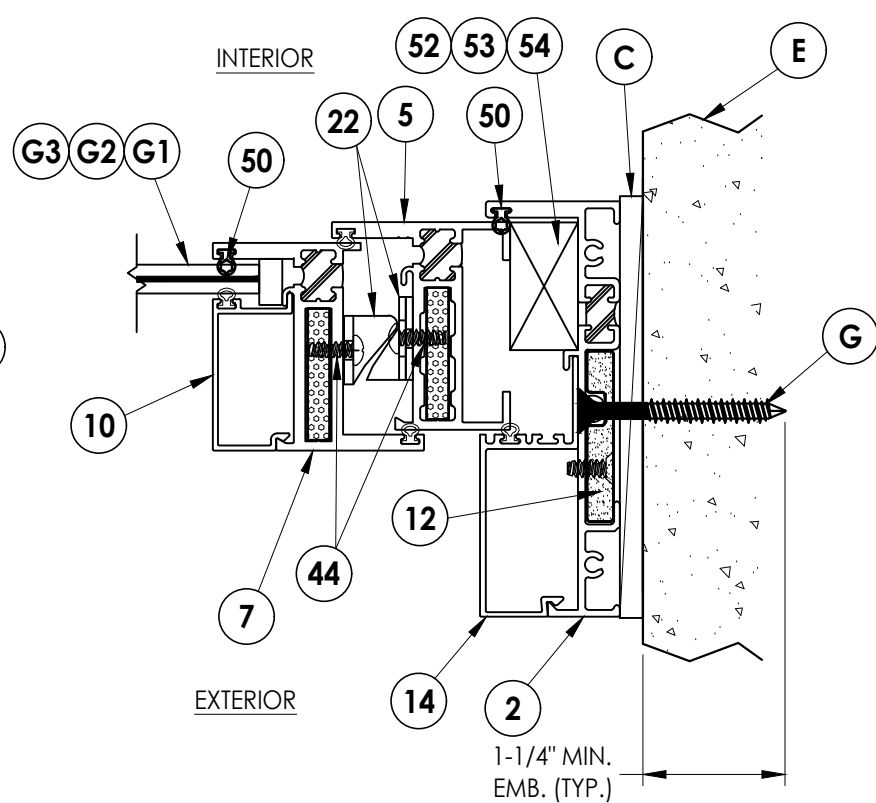
PRODUCT:	FLEETWOOD WINDOWS & DOORS
PART OR ASSEMBLY:	ELEVATIONS

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P.E. No. 43409

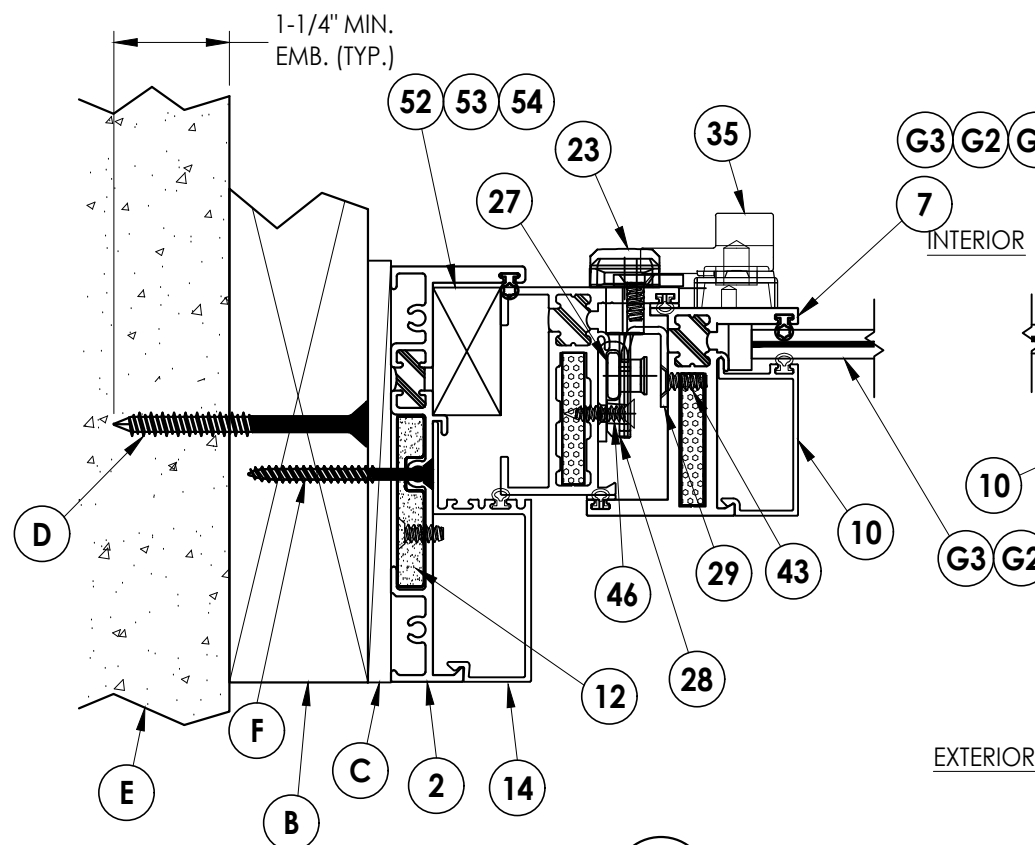
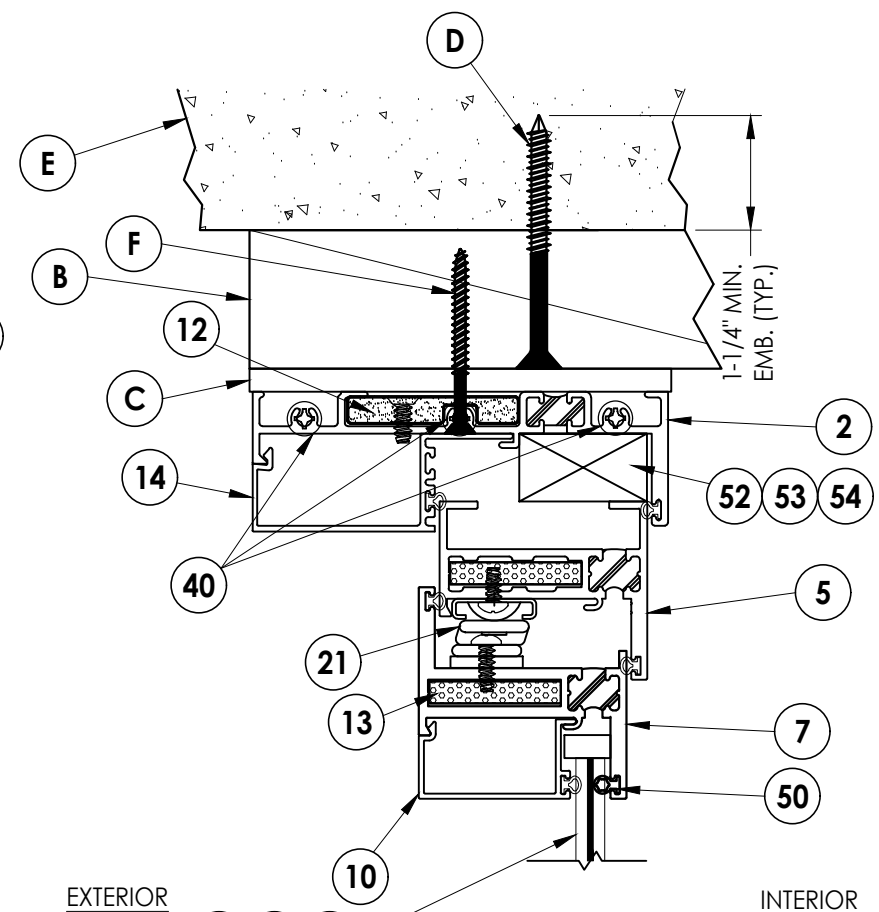
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Phone No.: 813.659.9197
FBPE Registry No. 9813



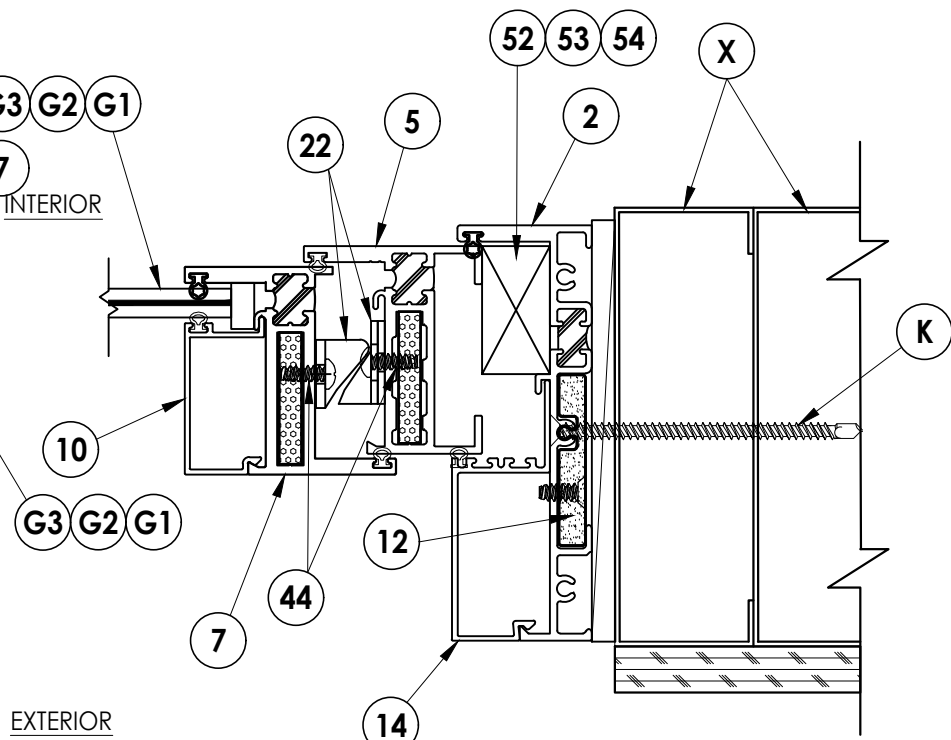
2 HORIZONTAL CROSS SECTION
3 Shown w/ 1X Sub buck option



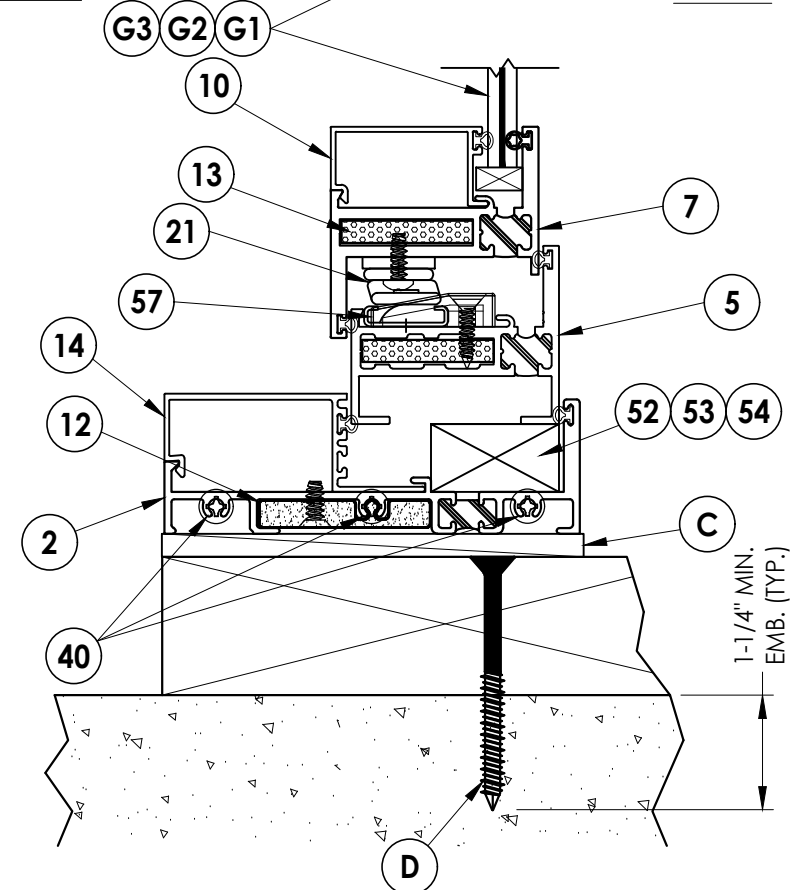
3 HORIZONTAL CROSS SECTION
Shown w/ Direct to Masonry option



1 **HORIZONTAL CROSS SECTION**
3 Show w/ 2X Buck and Steel Stud options



NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.



4 VERTICAL CROSS SECTION
3 Shown w/ 2X Buck Construction

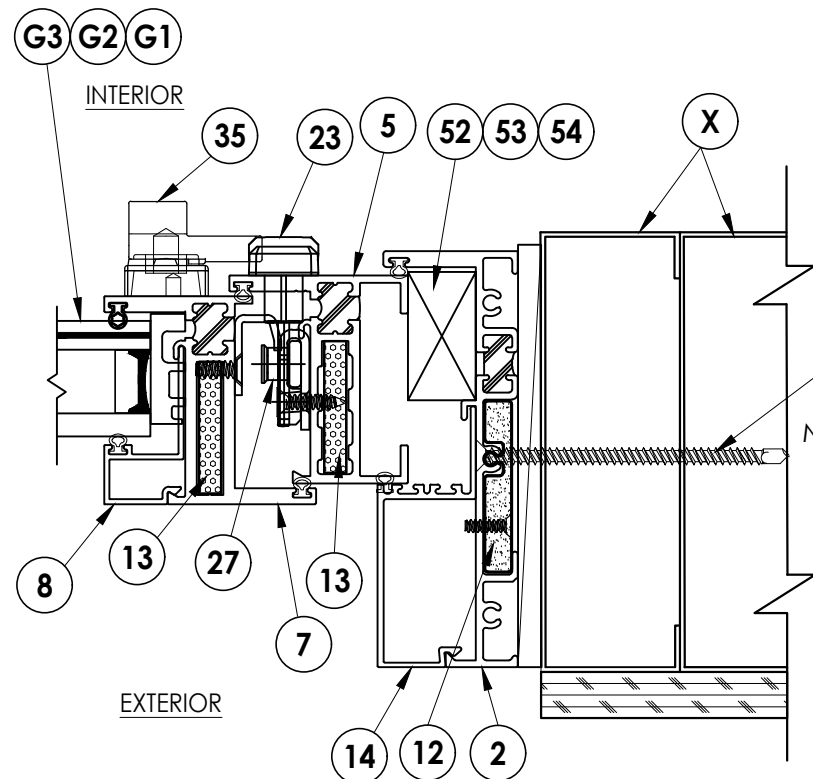
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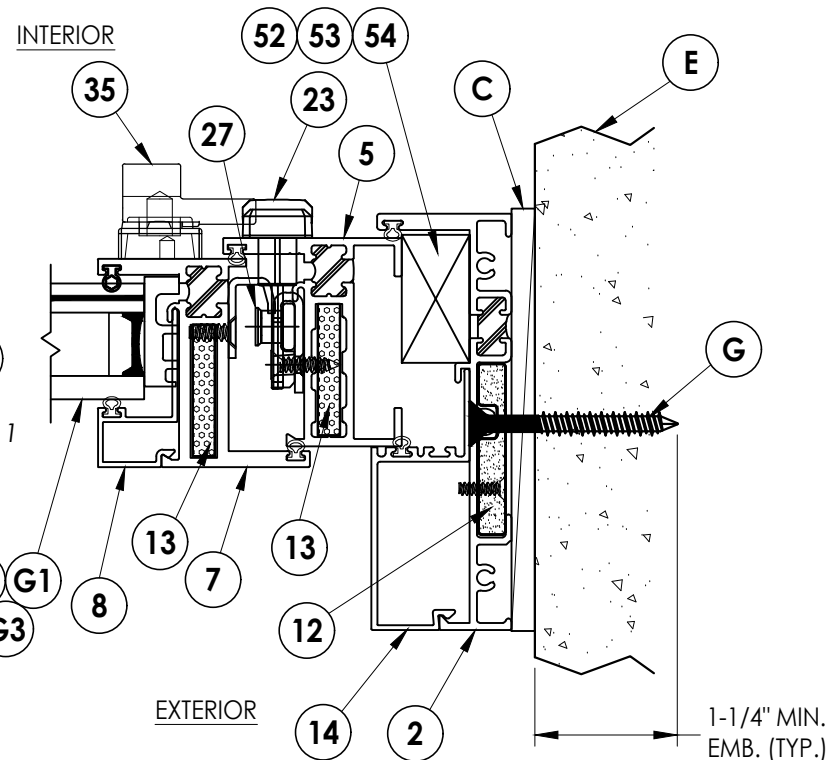
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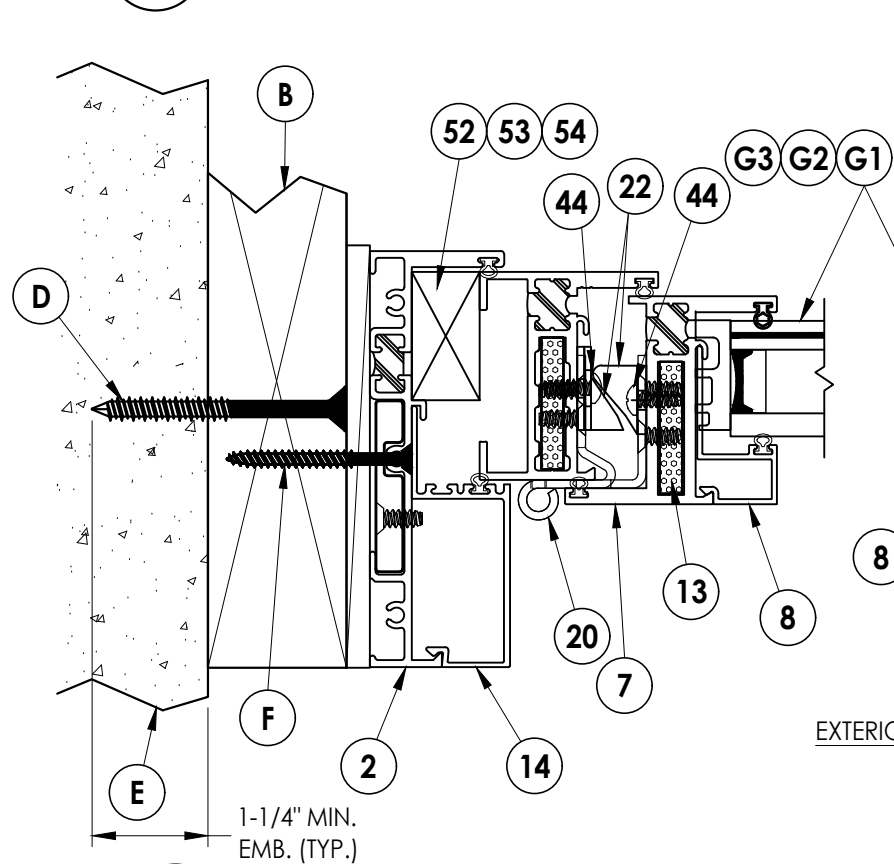
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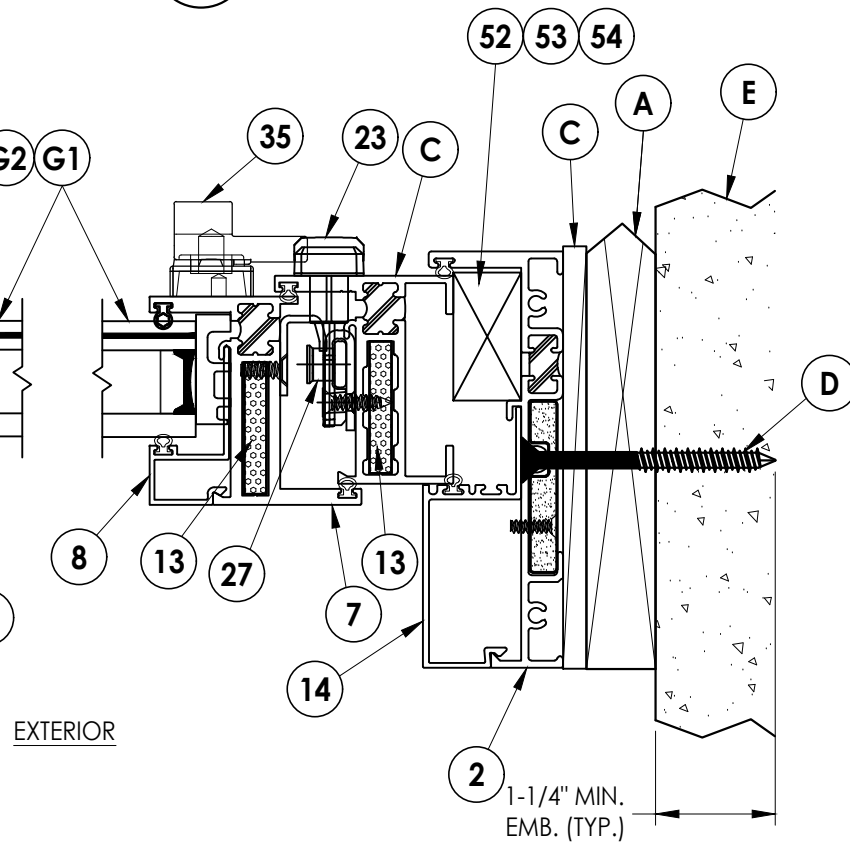
3 **HORIZONTAL CROSS SECTION**
4 Shown w/ Steel Stud option



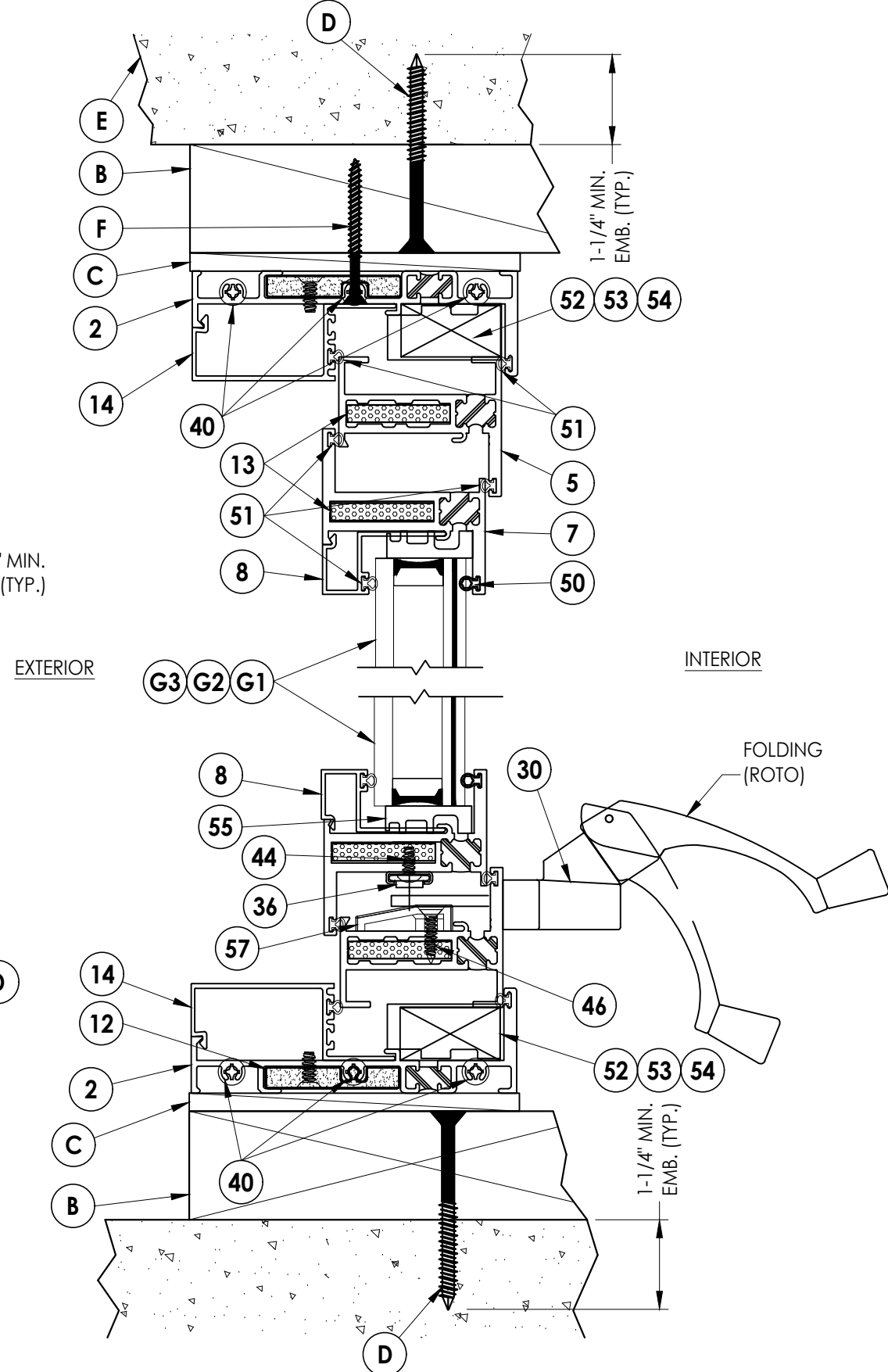
4 **HORIZONTAL CROSS SECTION**
4 Shown w/ Direct to Masonry option



1 **HORIZONTAL CROSS SECTION**
4 Shown w/ 2X Buck Construction



2 **HORIZONTAL CROSS SECTION**
4 Shown w/ 1X Sub buck option



5 **VERTICAL CROSS SECTION**
4 Shown w/ 2X Buck Construction

NOTE:

1. Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.

Documents Prepared By:
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PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
1	7/12/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

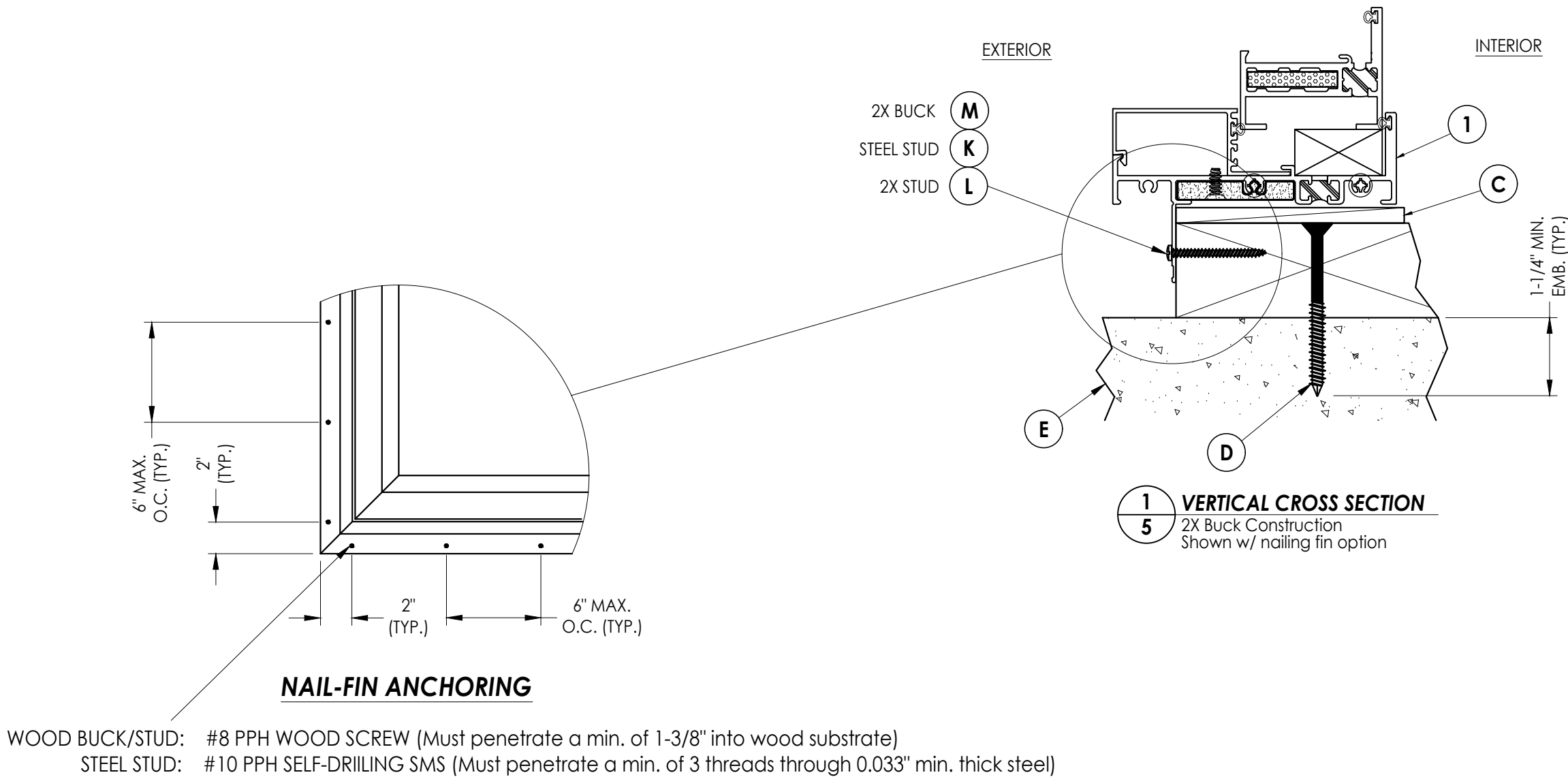
CHK. BY: RW

DRAWING NO.:

FL-14904.11

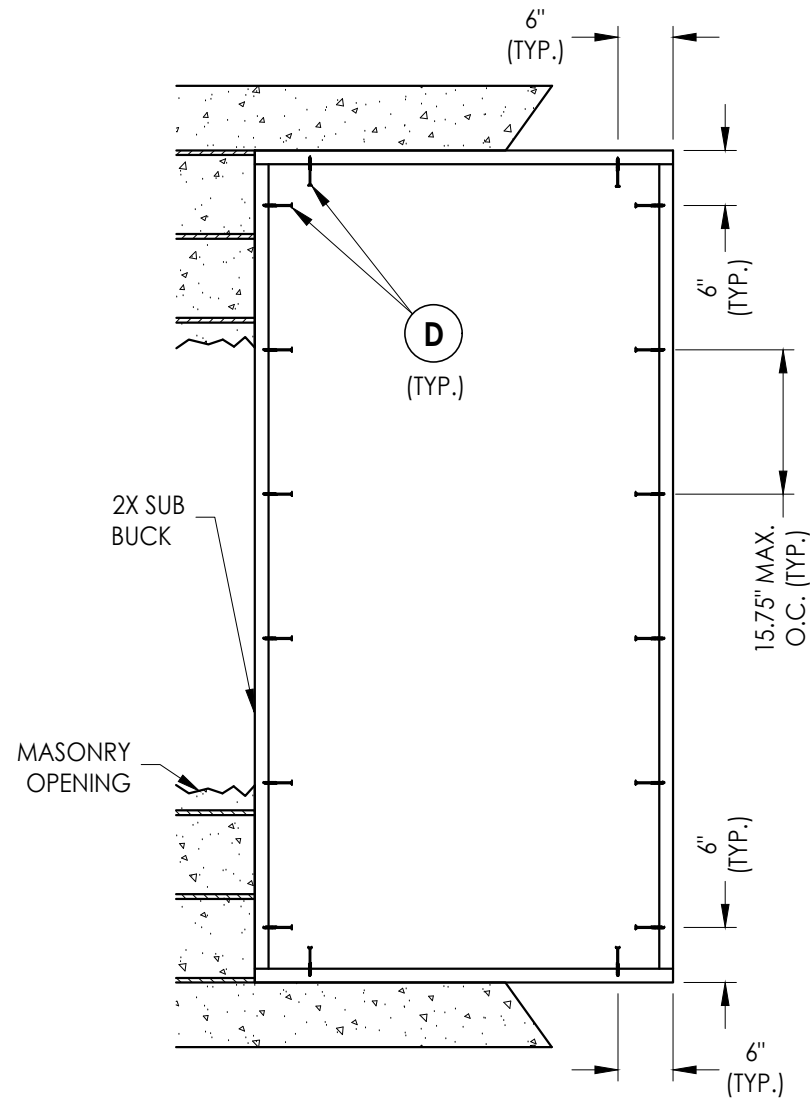
SHEET 4 OF 9

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FBPE Registry No. 9813

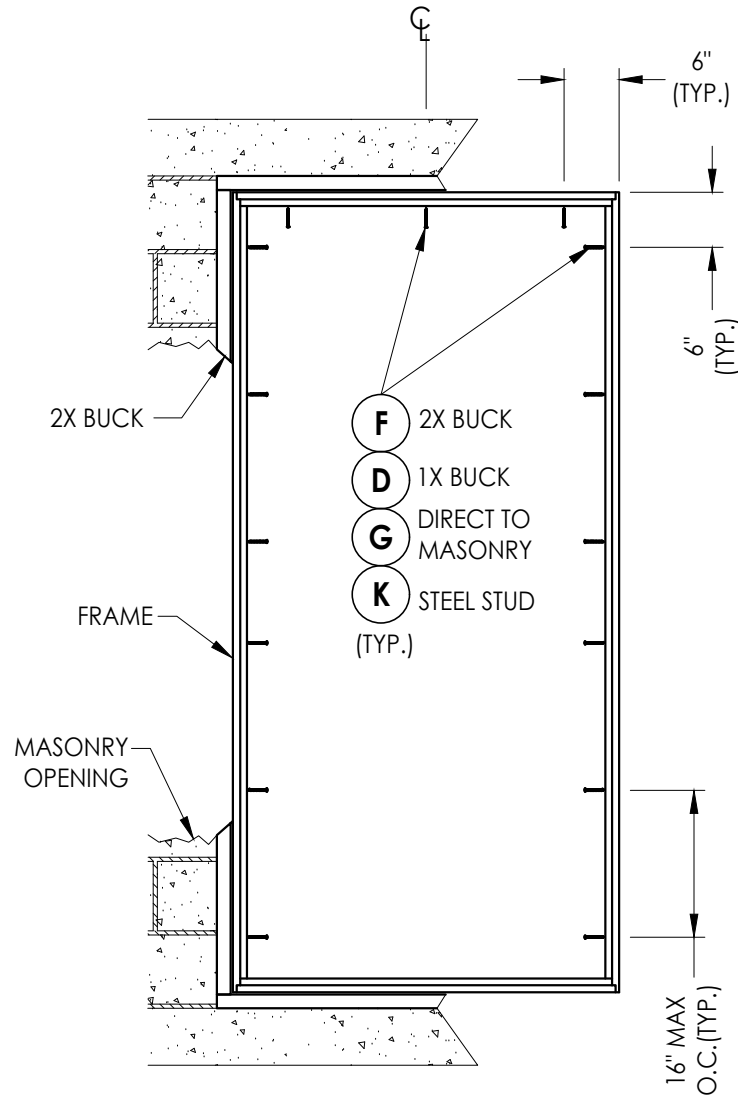


DATE: 12/01/21				DOCUMENTS PREPARED BY: LYNDON F. SCHMIDT P.E. NO. 43409			
SCALE: N.T.S.				PRODUCT: FLEETWOOD WINDOWS & DOORS			
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-14904.11							
SHEET 5 OF 9							
1				PART OR ASSEMBLY: VERTICAL CROSS SECTION			
NO. DATE				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
7/12/23							
UPDATE TO 8TH ED. (2023) FBC							
LFS							
BY							
REVISIONS							

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2X BUCK ANCHORING



FRAME MOUNT ANCHORING

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- 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 ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

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

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813,659,9197
FBPE Registry No. 9813

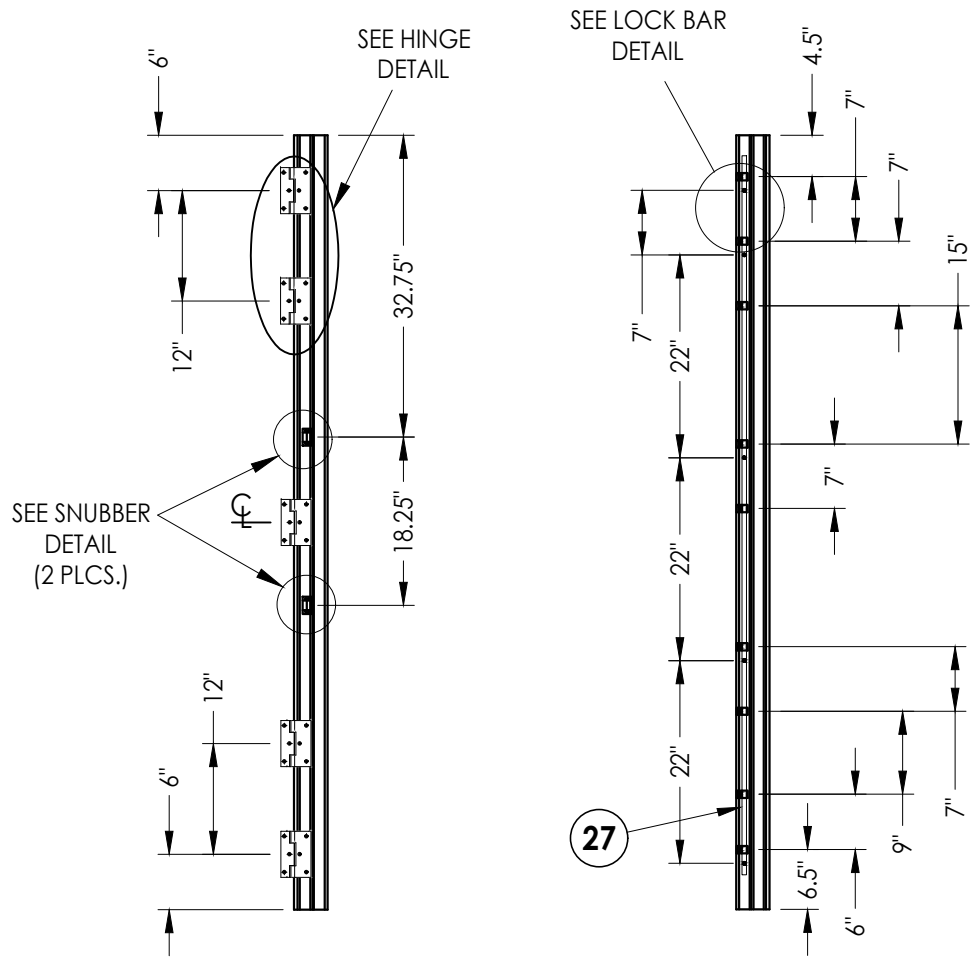
PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

REVISIONS	DATE	BY	NO.
1	7/12/23	UPDATE TO 8TH ED. (2023)	FBC

DATE: 12/01/21
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-14904.11
SHEET 6 OF 9

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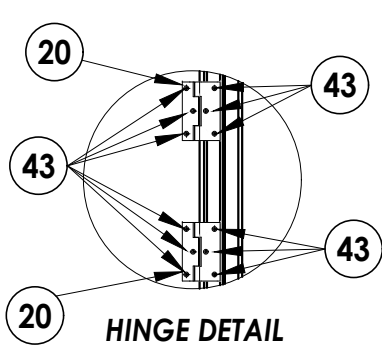


HINGE JAMB

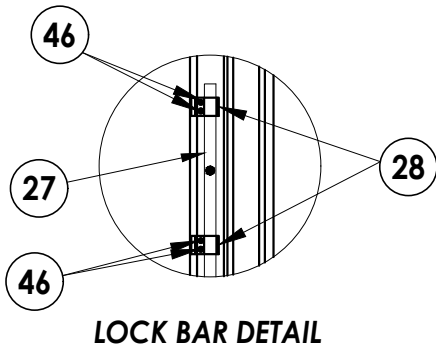
LOCK JAMB

LOCKING POINTS (5)

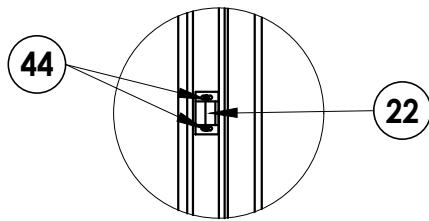
BUTT HINGES w/ MULTIPOINT LOCKING BAR



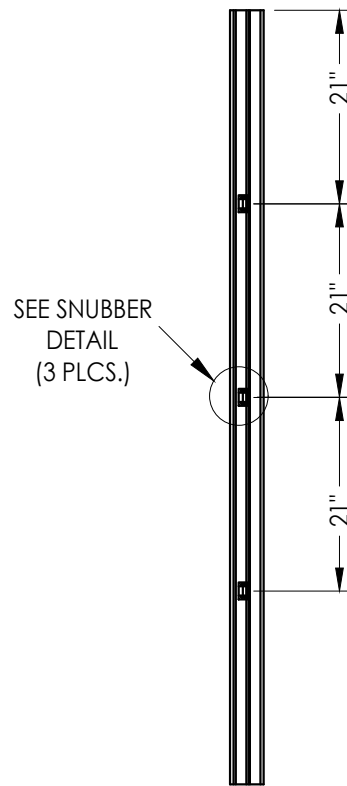
HINGE DETAIL



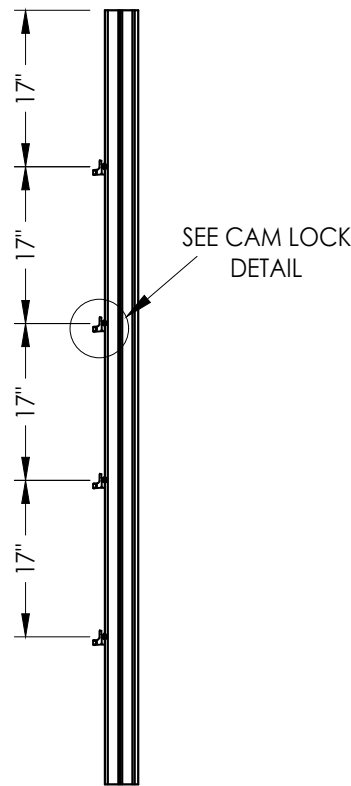
LOCK BAR DETAIL



SNUBBER DETAIL



SNUBBERS JAMB

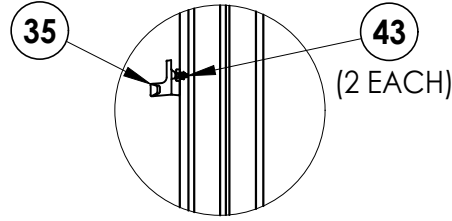


LOCK JAMB

CAM LOCKING POINTS (4)

4 POINT HINGE w/ CAM LOCKS

NOTE: Cam locks can be used in conjunction with the multipoint lock or in lieu of the multipoint lock.

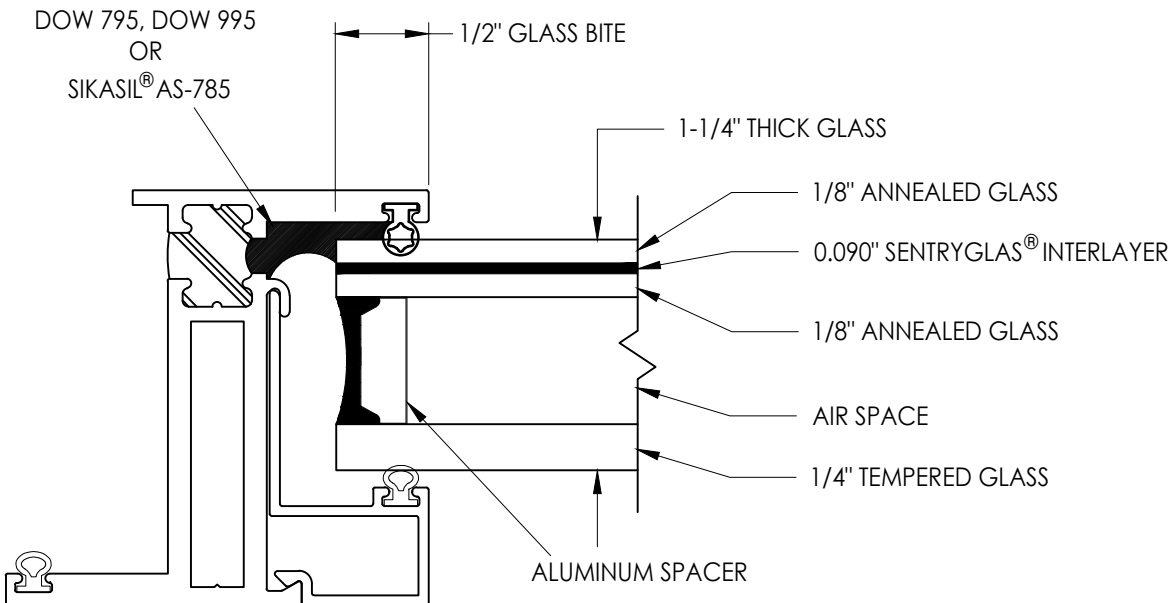


CAM LOCK DETAIL

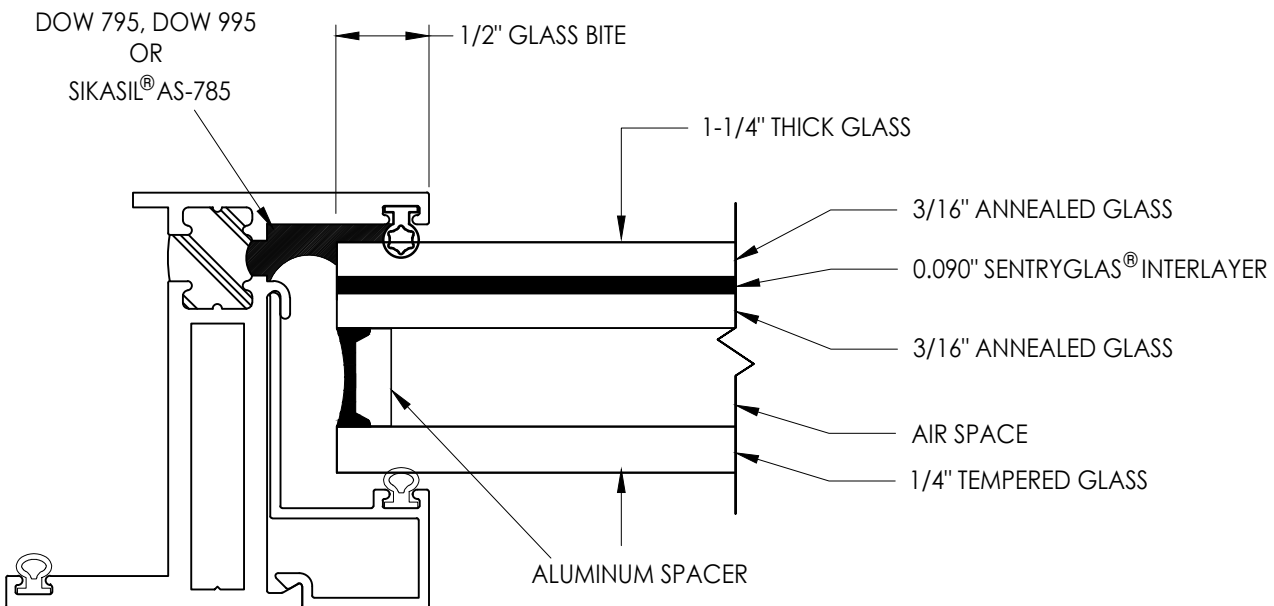
PRODUCT:		PART OR ASSEMBLY:	
FLEETWOOD WINDOWS & DOORS		HARDWARE DETAILS	
DATE:	12/01/21	NO.	DATE
SCALE:	N.T.S.	1	7/12/23
DWG. BY:	LFS	UPDATE TO	8TH ED. (2023)
CHK. BY:	RW	FBC	BY
DRAWING NO.:	FL-14904.11		
SHEET	7	OF	9

Documents Prepared By:
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P.E. No. 43409

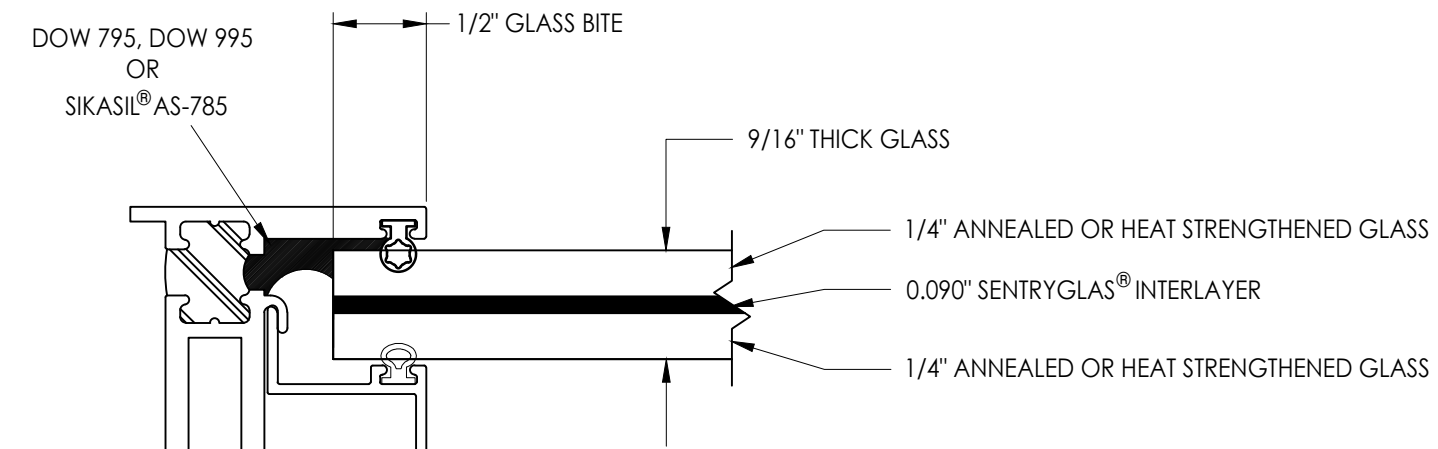
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL

[illegible]

Documents Prepared By:
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P.E. No. 43409

PRODUCT:
FLEETWOOD WINDOWS & DOORS

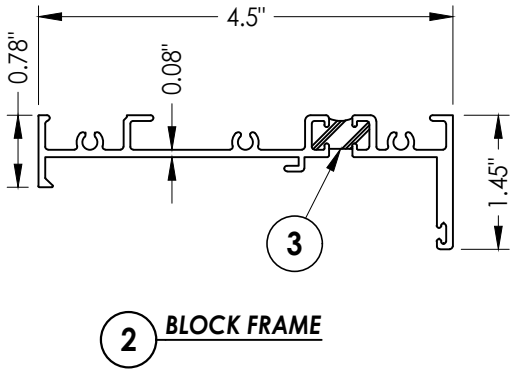
PART OR ASSEMBLY: GLAZING DETAILS

REVISIONS

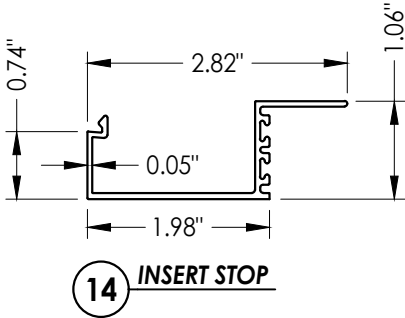
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Phone No.: 813.659.9197
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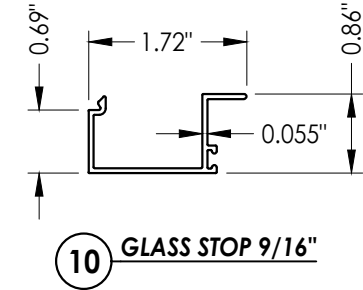
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
G	1/4" x 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
L	#8 PPH WS (1-3/8" MIN. EMBEDMENT)	STEEL
M	#8 X 1-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	FIN BLOCK FRAME (3800-T)	6063-T6 ALUM
2	BLOCK FRAME (3800-T)	6063-T6 ALUM
3	THERMAL BREAK ("LIQUID POLYURETHANE" by Azon USA, Inc.)	-
5	BLOCK FRAME (350-T)	6063-T6 ALUM
7	ZEE BAR (PANEL)	6063-T6 ALUM
8	GLASS STOP (1-1/4")	6063-T6 ALUM
10	GLASS STOP (9/16")	6063-T6 ALUM
12	SHEAR BLOCK	6061-T6 ALUM
13	CORNER KEY	6063-T6 ALUM
14	INSERT STOP	6063-T6 ALUM
20	SS. BUTT HINGE	SS
21	4 BAR HINGE	SS
22	SNUBBER-COMMERCIAL PULL-IN BLOCK	SS
23	MULTIPOINT LOCK HANDLE	SS
27	5 POINTS LOCKING BAR (TRUTH)	SS
28	TIE BAR GUIDE (TRUTH)	-
29	KEEPER (TRUTH)	SS
30	CASEMENT ROTOR GEAR (TRUTH)	SS
35	CAM HANDLE / STRIKE PLATE	SS
36	CASEMENT SS. TRACK (TRUTH)	SS
40	#10 X 1" PPH SMS	STEEL
43	SCREW NO 10 , UFHP .5"	STEEL
44	SCREW NO 8, PHP, .50"	STEEL
46	SCREW NO 8, FHP, .750"	STEEL
50	BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
51	MINI BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
52	WOOD BLOCK (3/4" X 1-1/4")	-
53	ALUMINUM BLOCK (3/4" X 1-1/4")	-
54	PVC BLOCK (3/4" X 1-1/4")	-
55	SETTING BLOCK	-
57	PIVOT SHIM	-



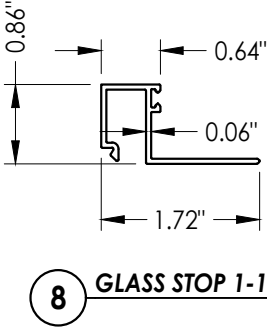
2 BLOCK FRAME



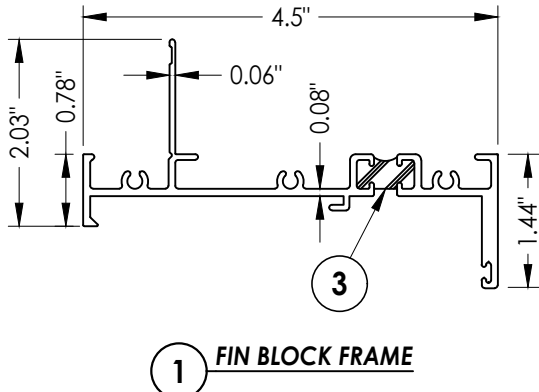
14 INSERT STOP



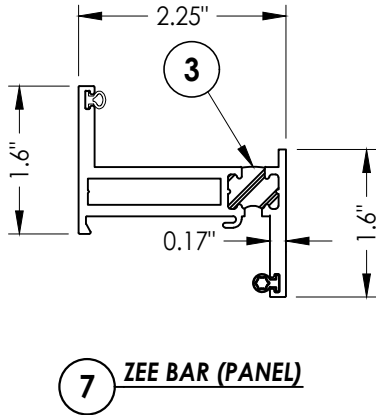
10 GLASS STOP 9/16"



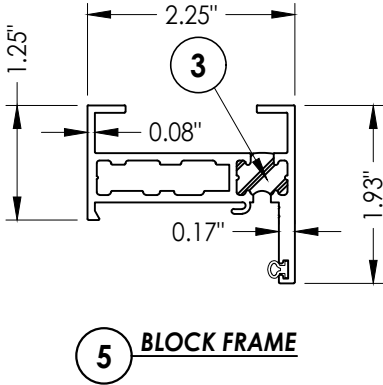
8 GLASS STOP 1-1/4"



1 FIN BLOCK FRAME



7 ZEE BAR (PANEL)



5 BLOCK FRAME

DATE: 12/01/21
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-14904.11
SHEET 9 OF 9

PRODUCT:		PART OR ASSEMBLY:	
FLEETWOOD WINDOWS & DOORS		BILL OF MATERIALS AND COMPONENTS	
		NO.	DATE
		BY	

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813