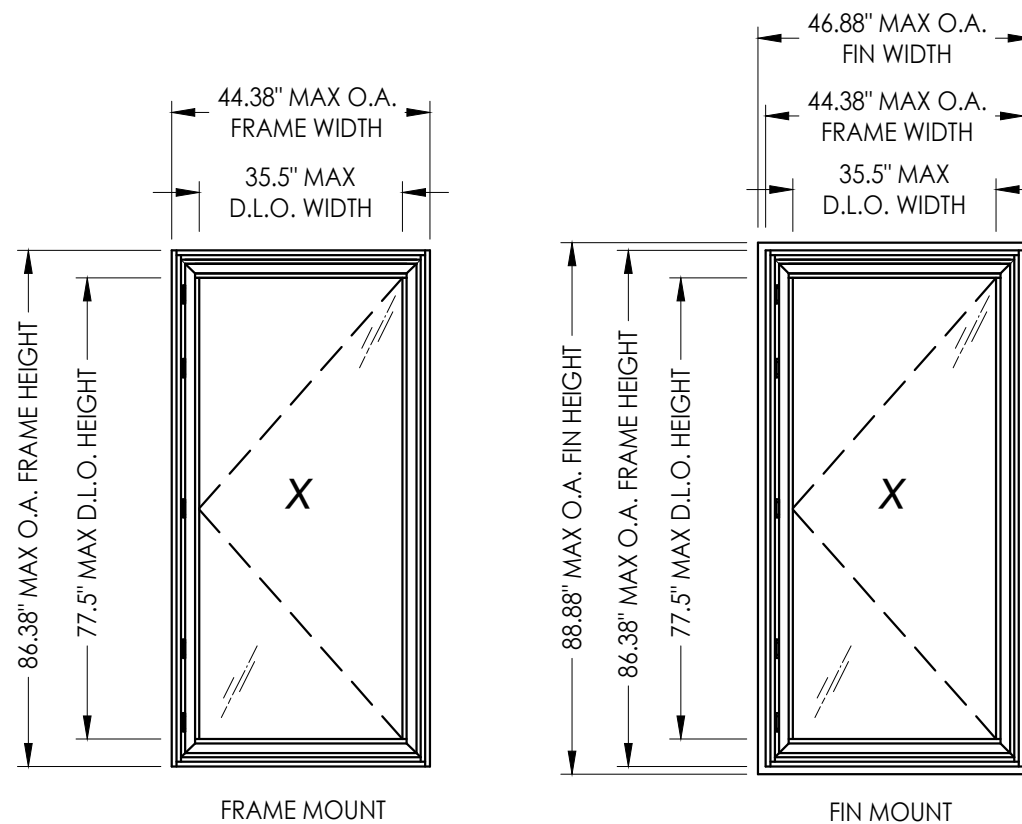


**Series 3800-T w/ Series 350-T
Aluminum Casement Window
w/ Thermal Break Frame
(WET GLAZED)
"IMPACT"**

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements 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. Gaskets and setting blocks shall comply with Section 2411.3.4 of the FBC.
9. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Elevations
3	Horizontal & vertical cross sections
4	Horizontal & vertical cross sections
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

L.F. Schmidt

L. F. SCHMIDT
LICENSE
No. 43409
STATE OF FLORIDA
PROFESSIONAL ENGINEER

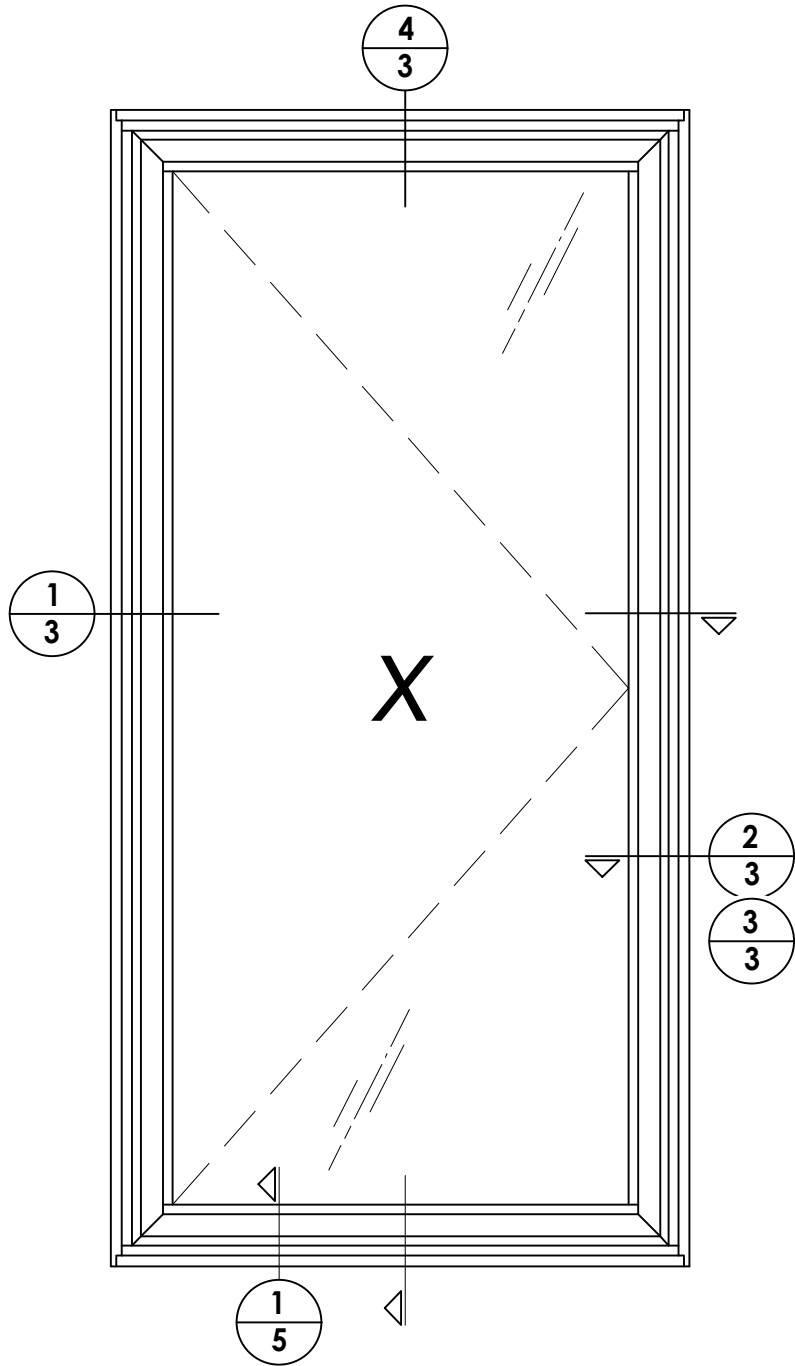
Digitally signed by Lyndon F Schmidt
Date: 2023.07.12 10:01:58 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

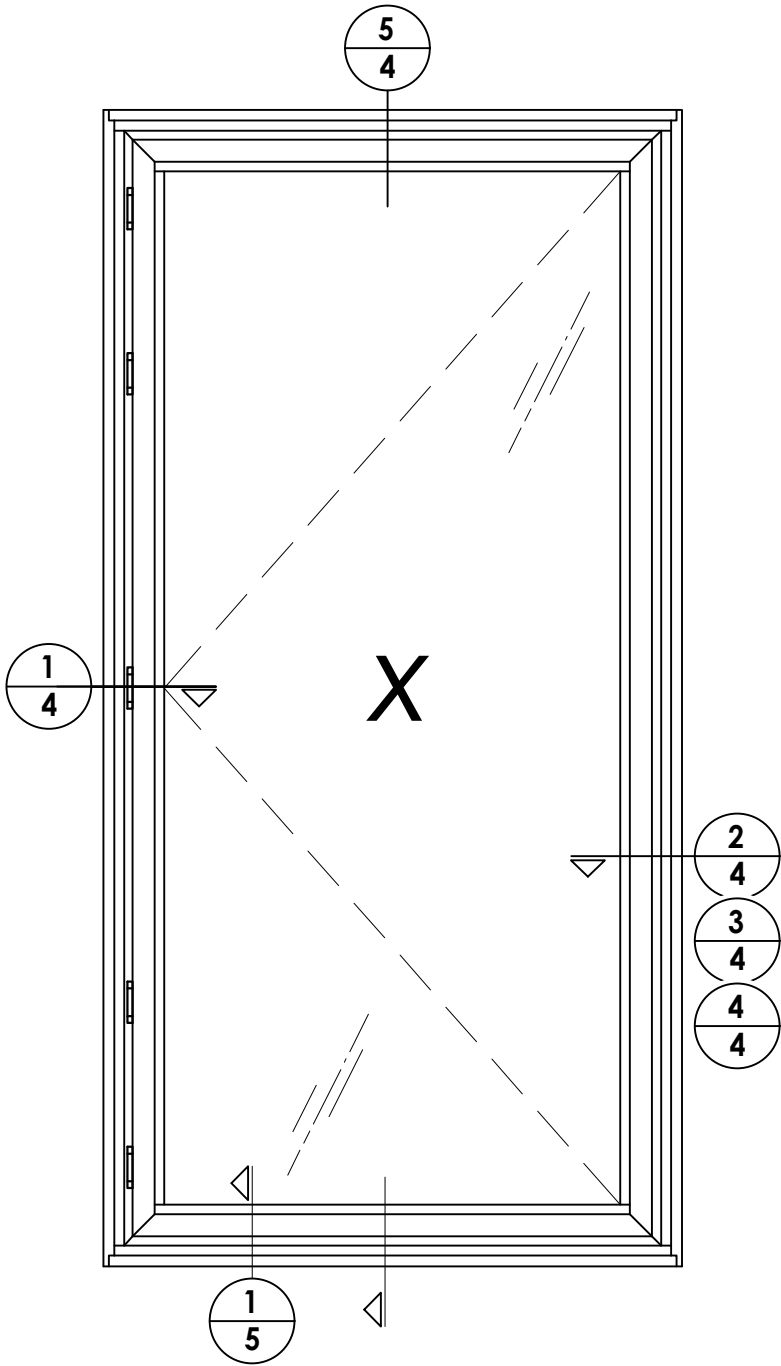
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

**THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA**

[illegible]



4-BAR HINGE



BUTT HINGE

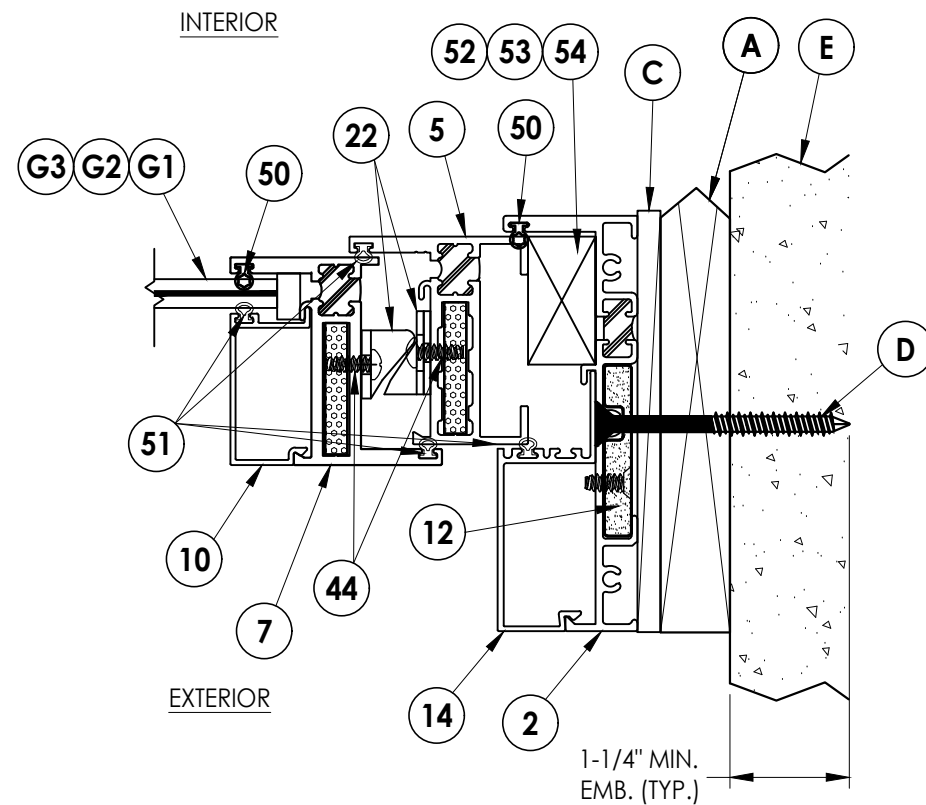
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SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-14904.12
SHEET	2 OF 9

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

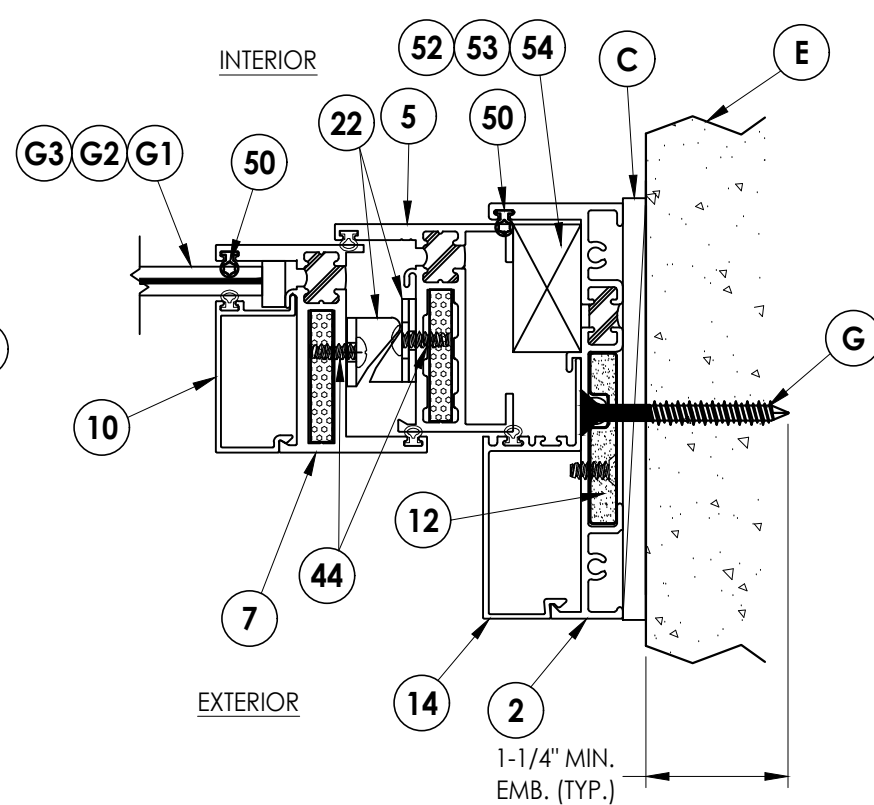
PRODUCT:	FLEETWOOD WINDOWS & DOORS
PART OR ASSEMBLY:	ELEVATIONS

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

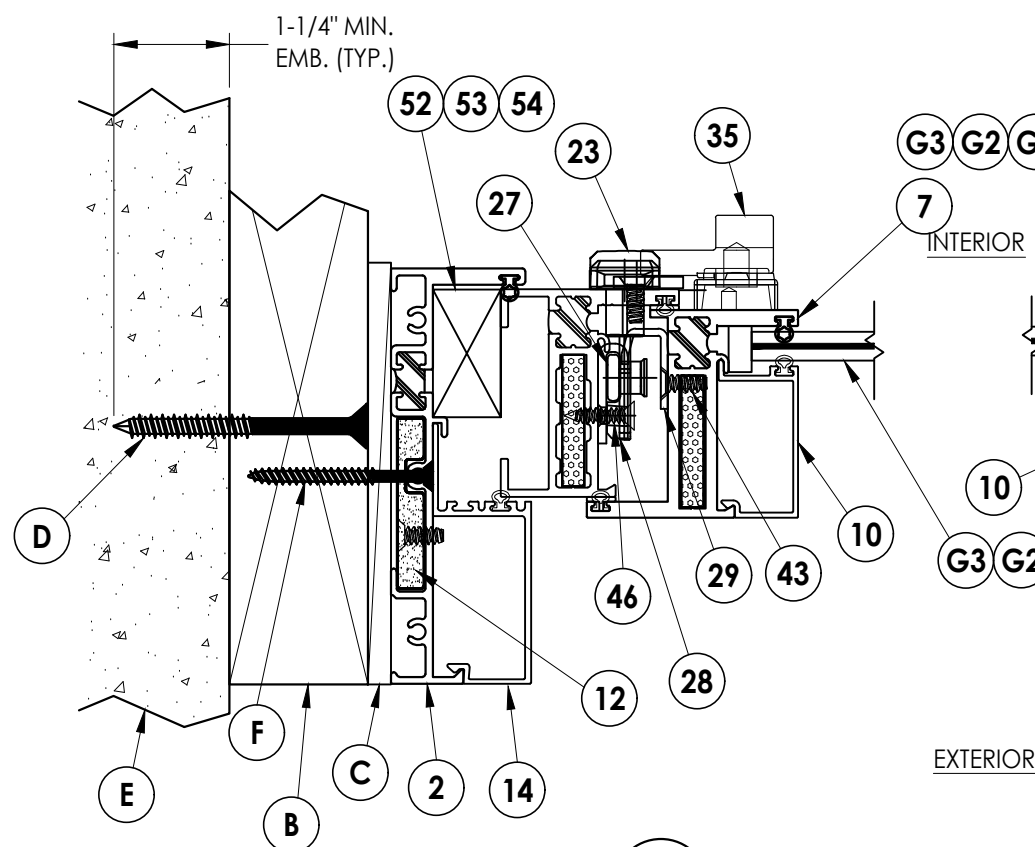
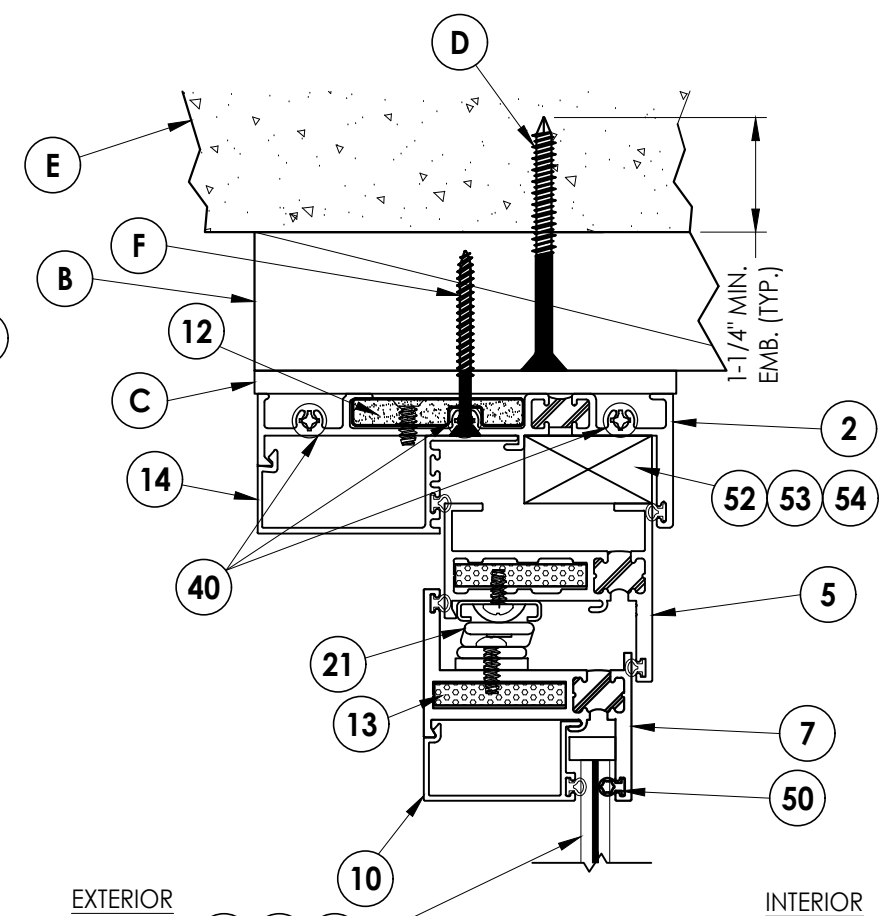

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FBPE Registry No. 9813



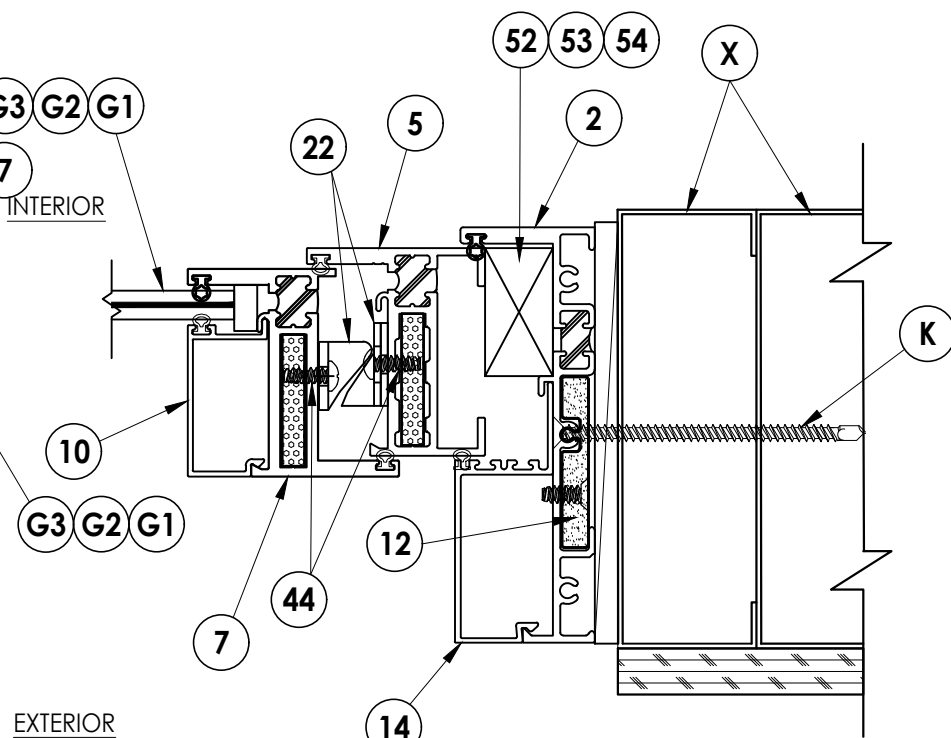
2 HORIZONTAL CROSS SECTION
3 Shown w/ 1X Sub buck option



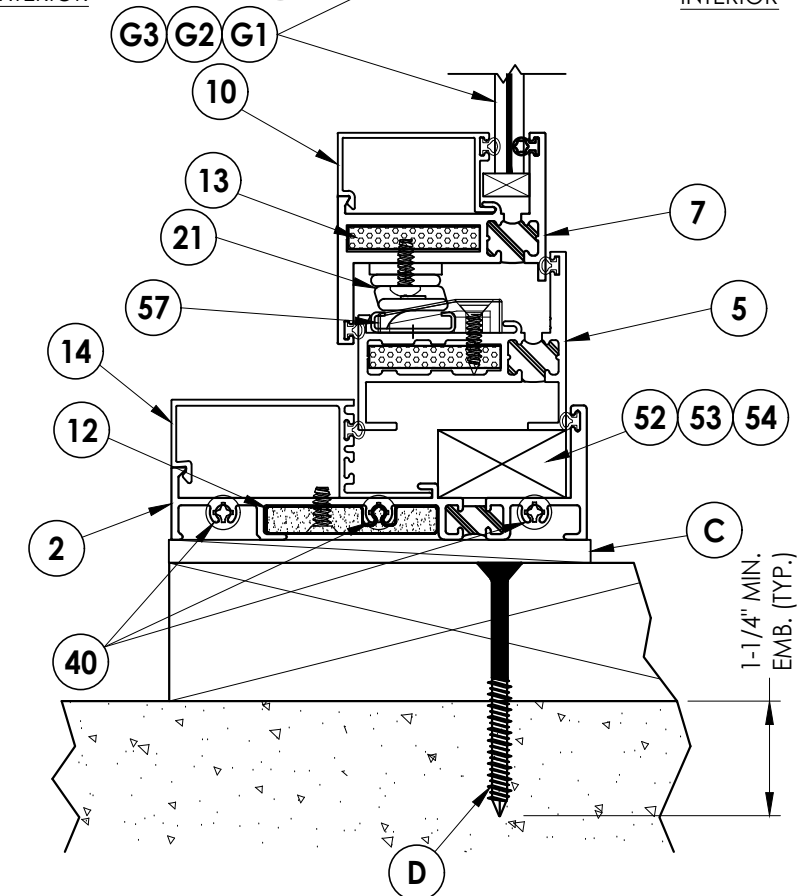
3 HORIZONTAL CROSS SECTION
 Shown w/ Direct to Masonry option



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



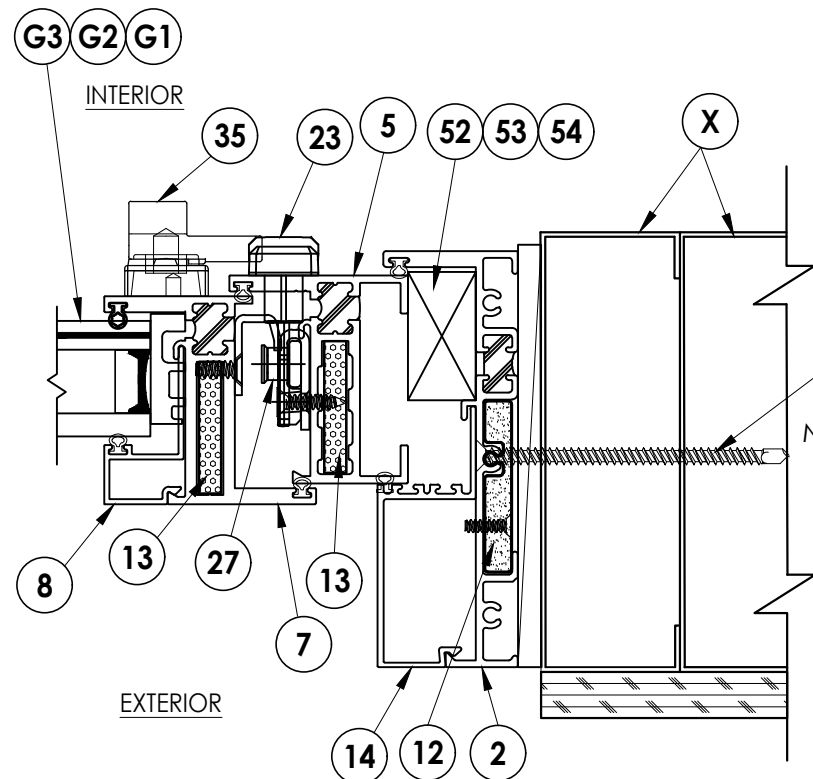
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.



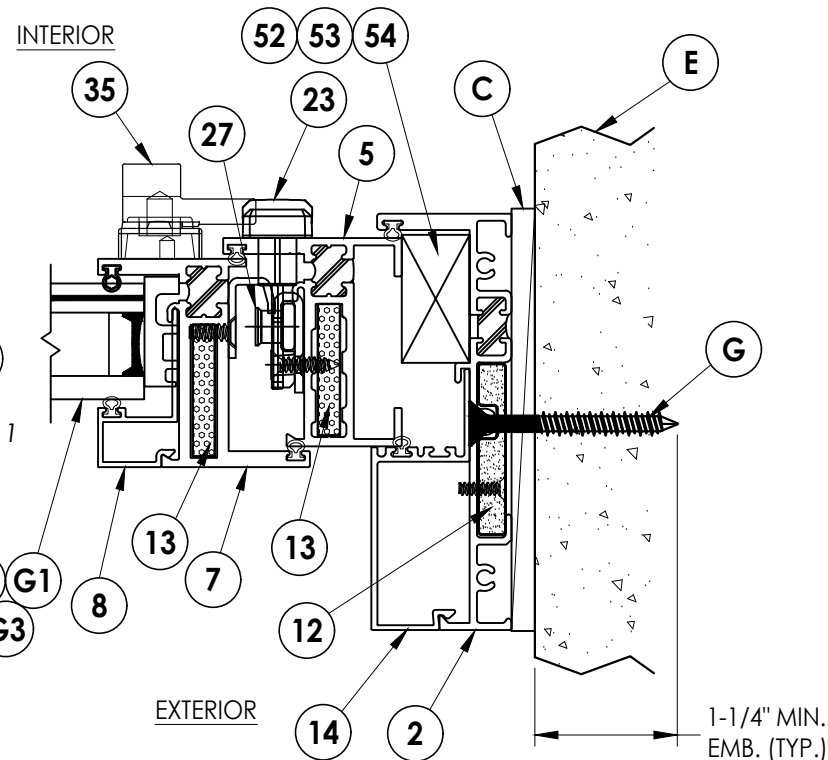
4 VERTICAL CROSS SECTION
3 Shown w/ 2X Buck Construction

DATE: 12/01/21		DRAWING NO.: FL-14904.12	
SCALE: N.T.S.		CHK. BY: RW	
DWG. BY: LFS		SHEET 3 OF 9	
NO.		REVISONS	
7/12/23		DATE	
UPDATE TO 8TH ED. (2023)		FBC	
LFS		BY	
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS			
PRODUCT: FLEETWOOD WINDOWS & DOORS			
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			

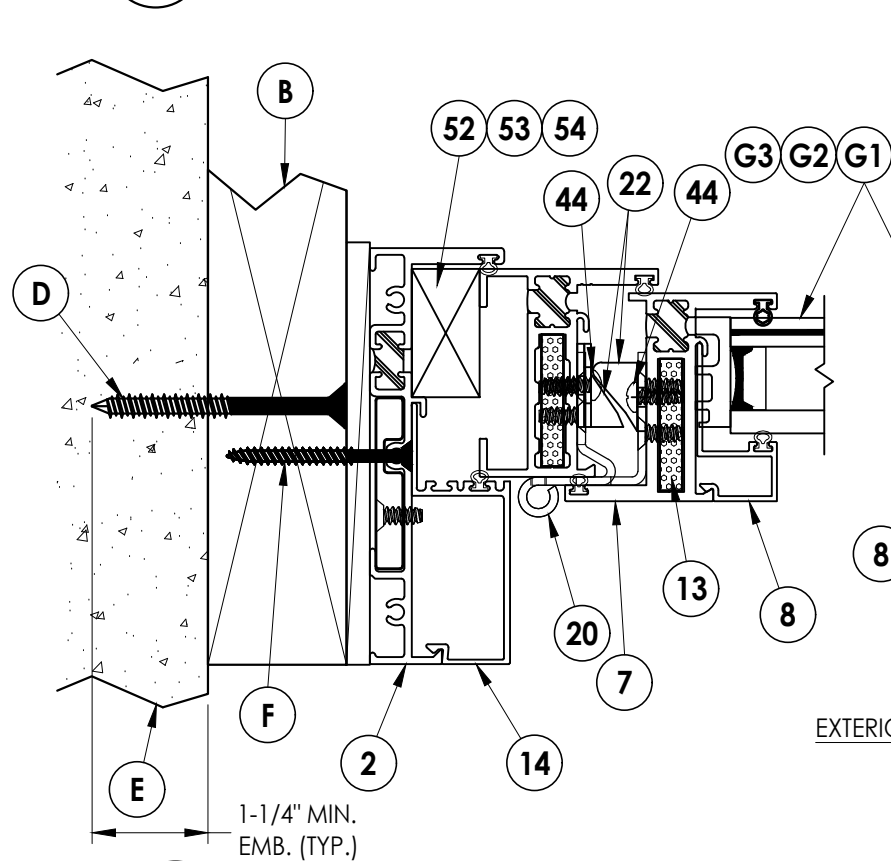
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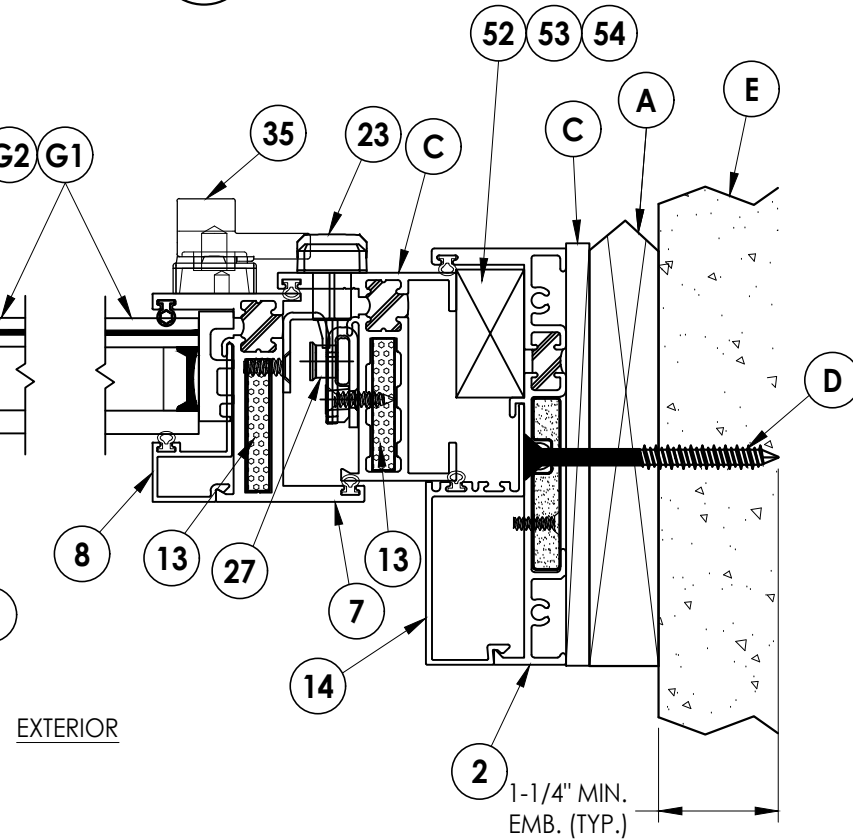
3 **HORIZONTAL CROSS SECTION**
4 Shown w/ Steel Stud option



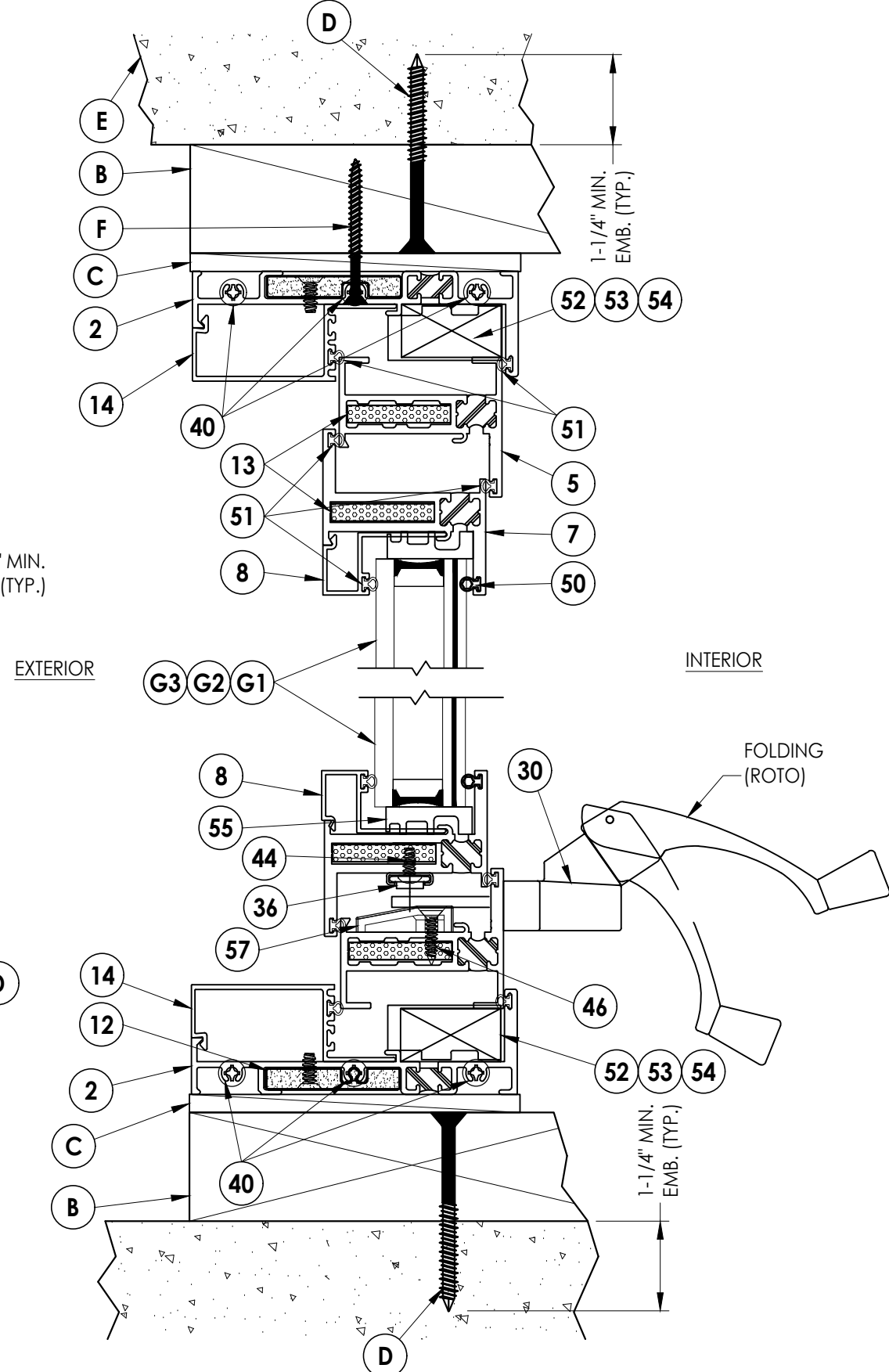
4 **HORIZONTAL CROSS SECTION**
4 Shown w/ Direct to Masonry option



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:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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

DATE: 12/01/21

SCALE: N.T.S.

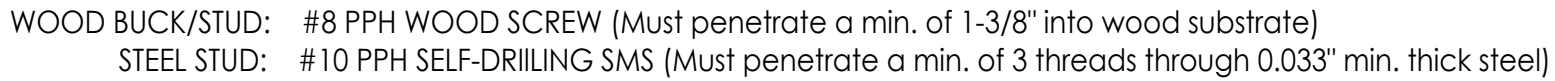
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CHK. BY: RW

DRAWING NO.:

FL-14904.12

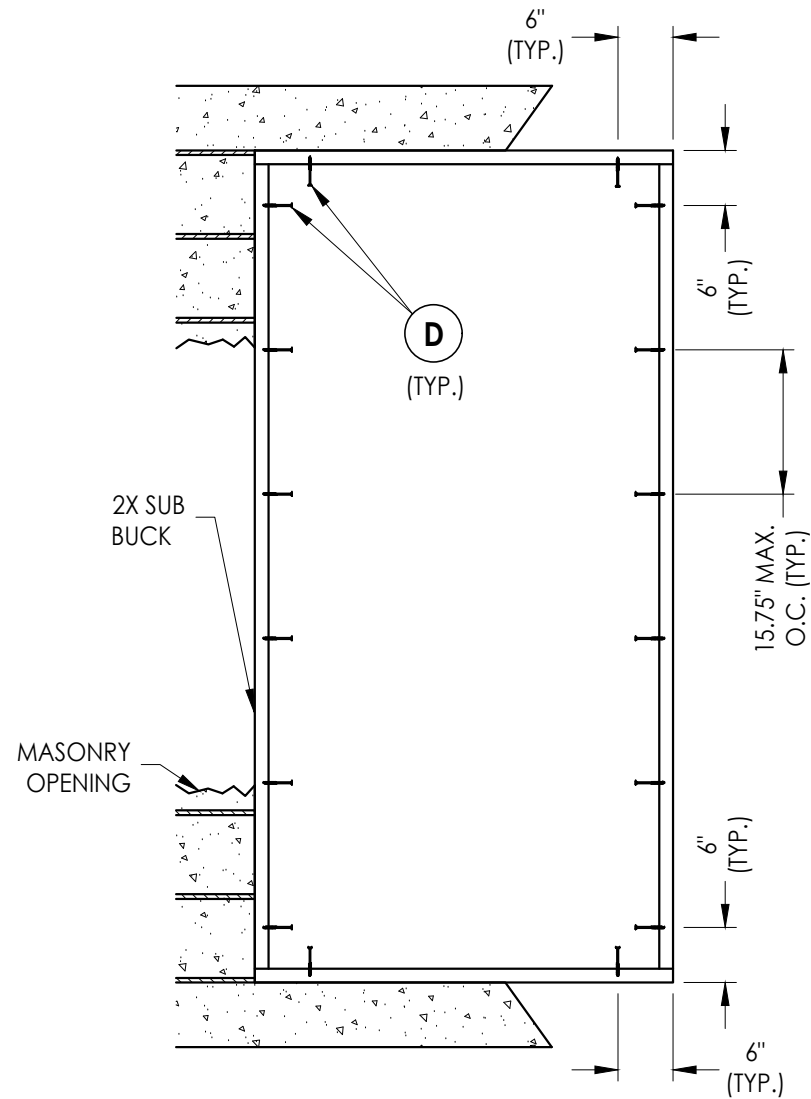
SHEET 4 OF 9



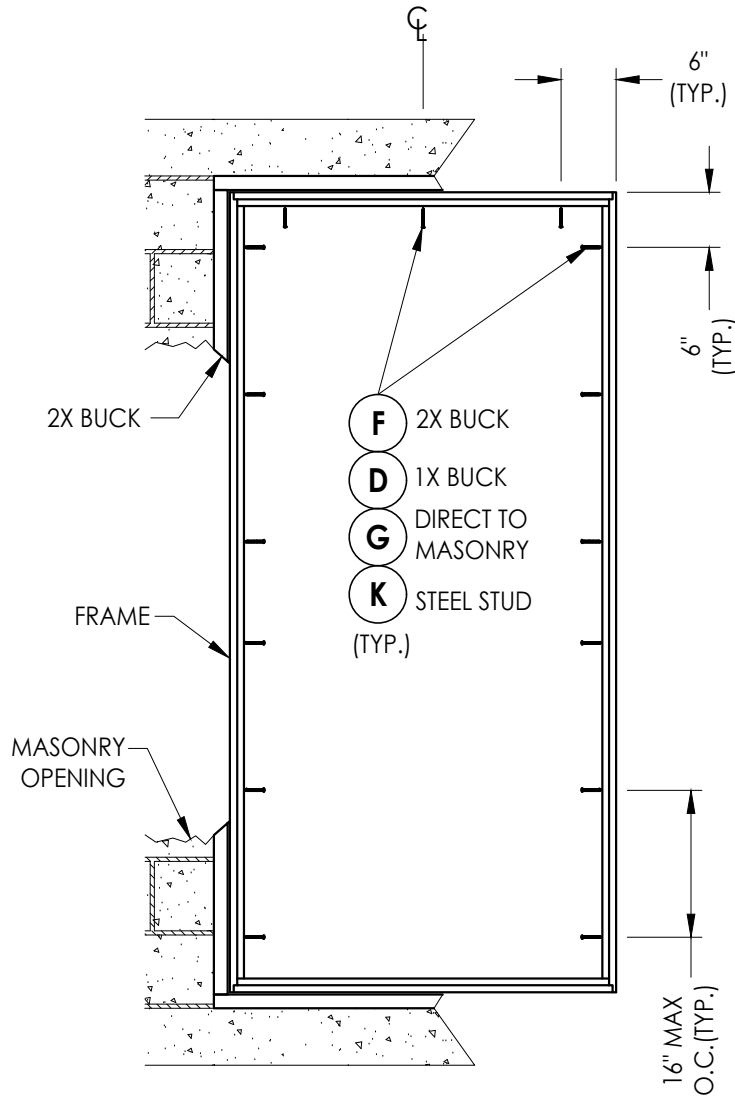
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2X BUCK ANCHORING



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.

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FBPE Registry No. 9813

PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

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

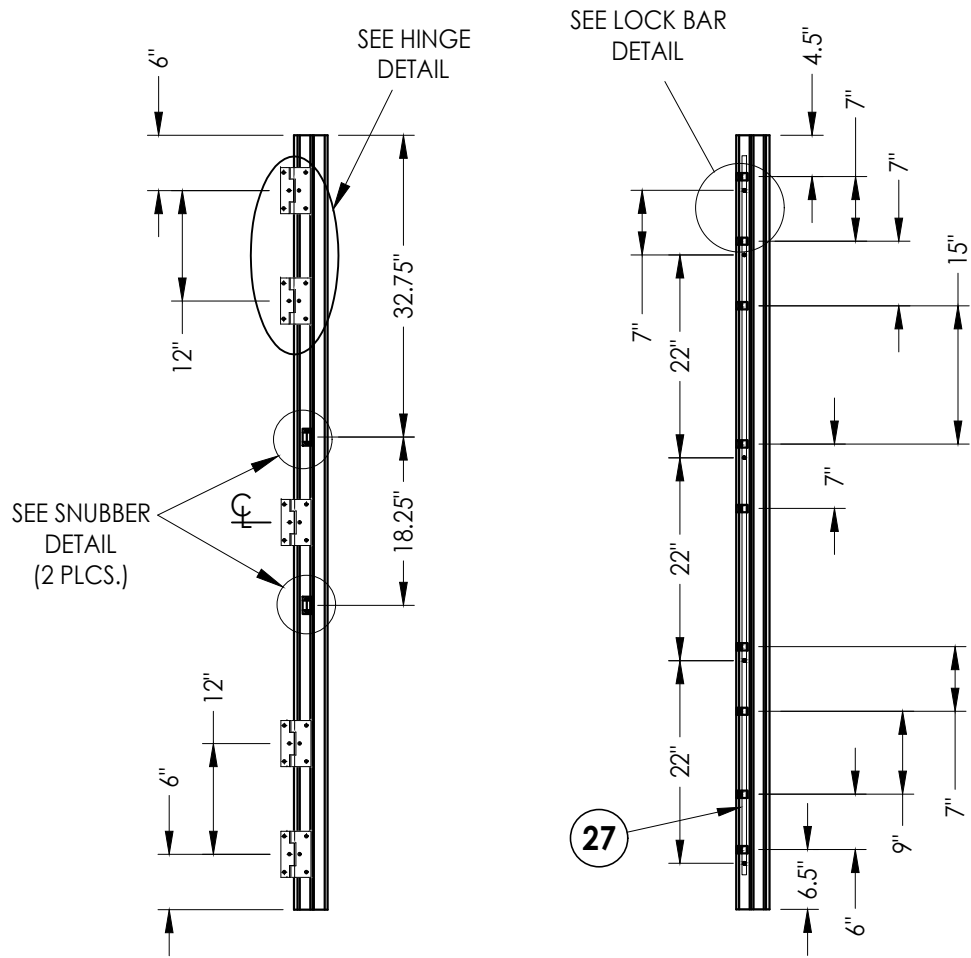
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DRAWING NO.:

FL-14904.12

SHEET 6 OF 9

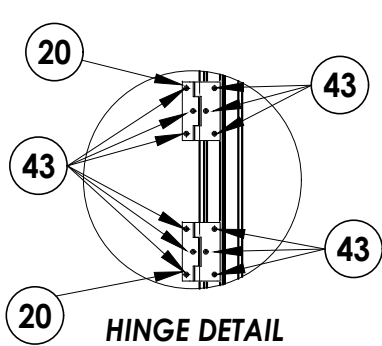
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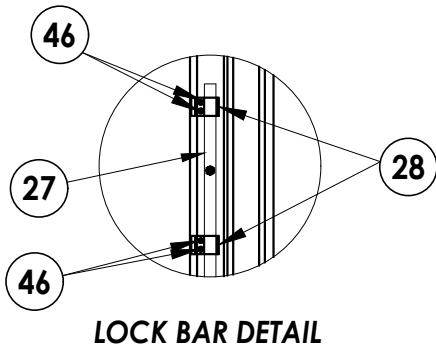
HINGE JAMB

LOCK JAMB
LOCKING POINTS (5)

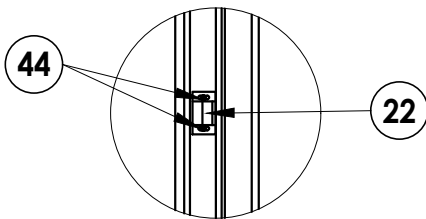
BUTT HINGES w/ MULTIPOINT LOCKING BAR



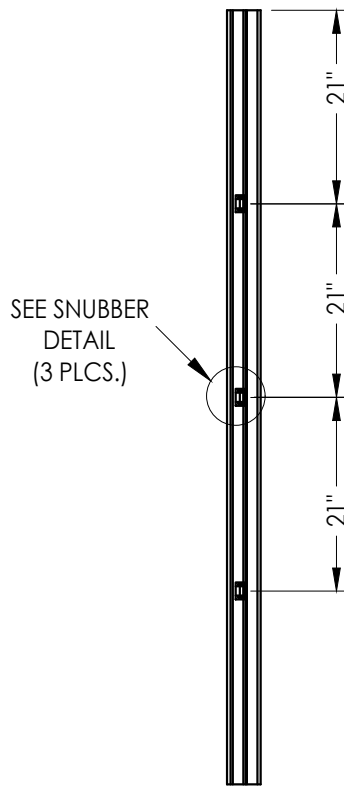
HINGE DETAIL



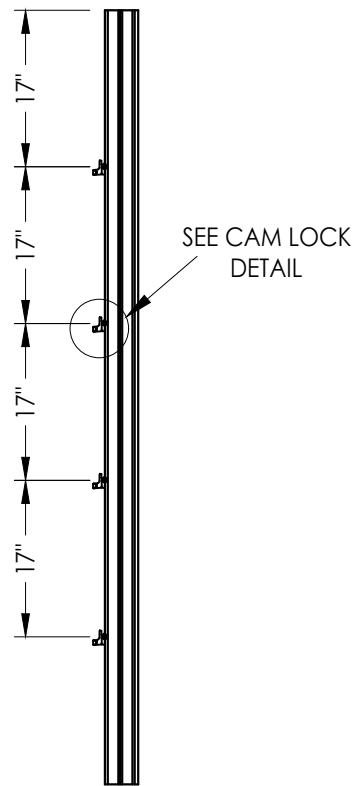
LOCK BAR DETAIL



SNUBBER DETAIL



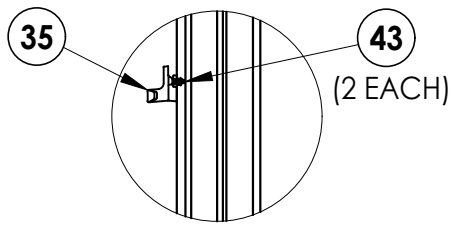
SNUBBERS JAMB



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

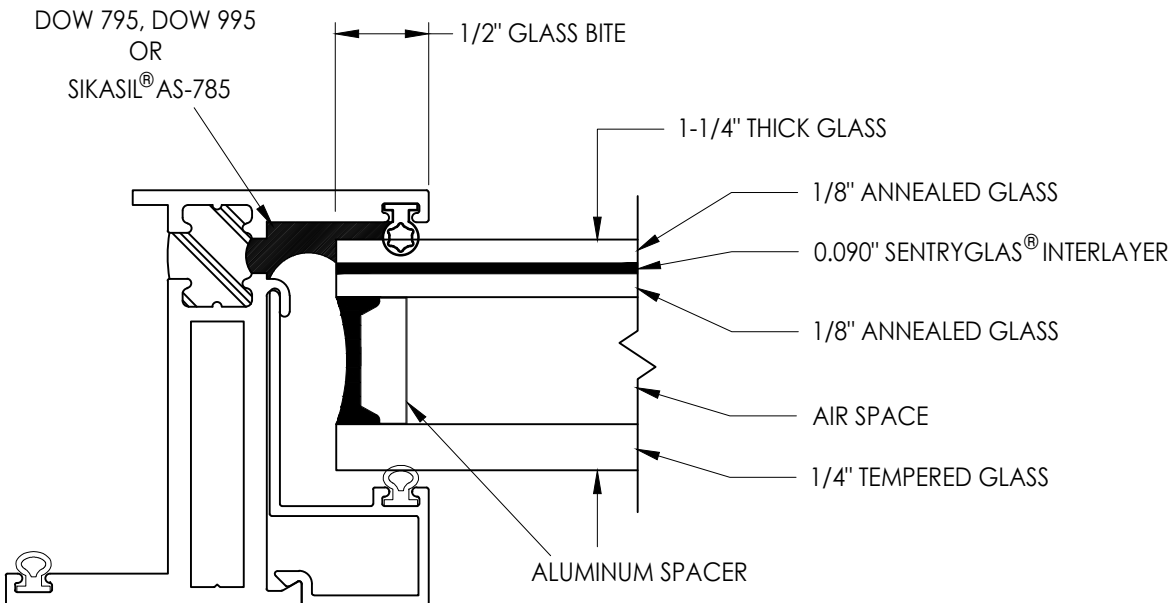
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1	7/12/23	UPDATE TO 8TH ED. (2023)
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		LFS
		BY

DATE: 12/01/21
SCALE: N.T.S.
DWG. BY: LFS
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DRAWING NO.: FL-14904.12
SHEET 7 OF 9

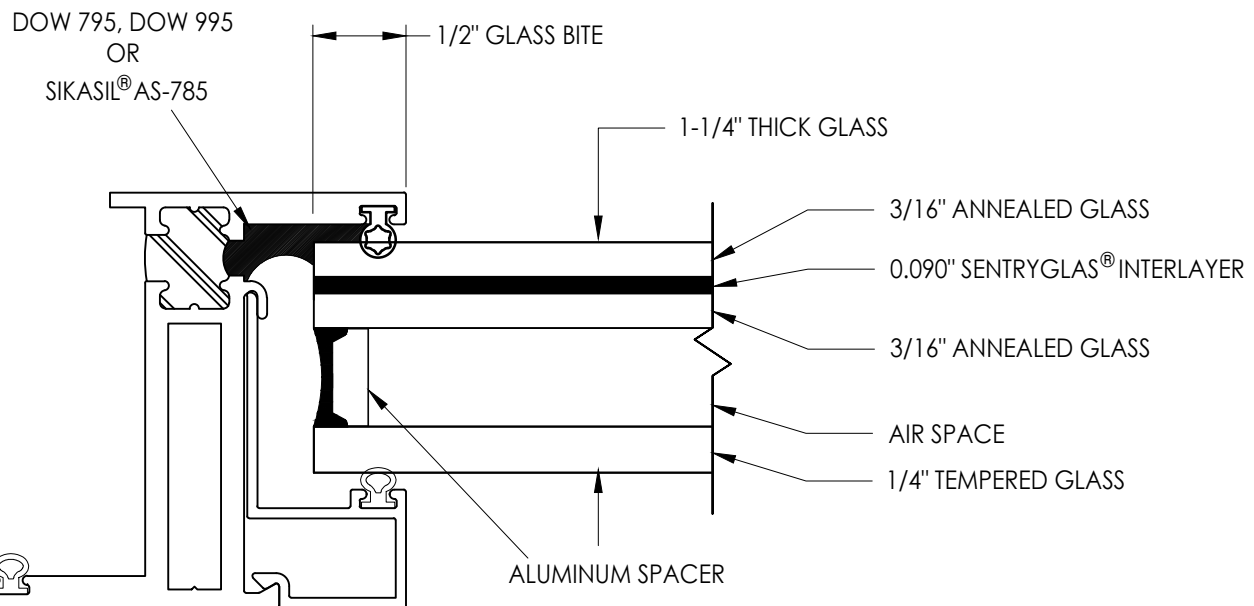
PRODUCT:	FLEETWOOD WINDOWS & DOORS
PART OR ASSEMBLY:	HARDWARE DETAILS

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P.E. No. 43409

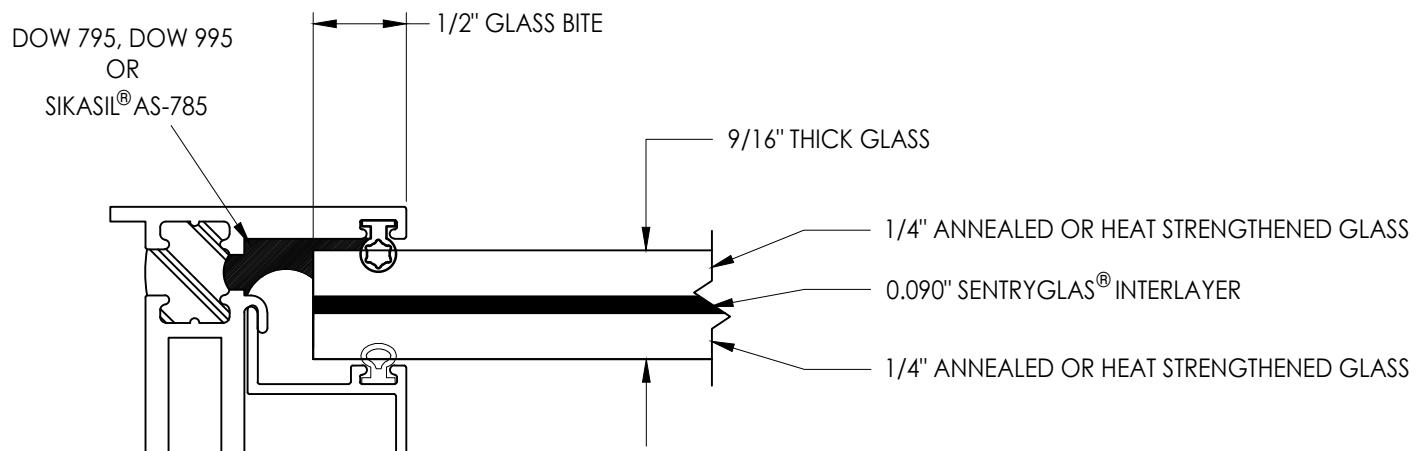
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FBPE Registry No. 9813



G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL

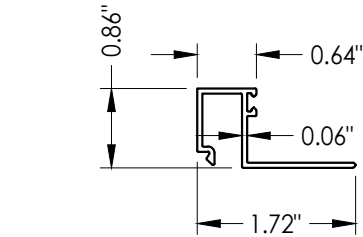
NOTE: GLAZING > 36" WIDE REQUIRES AT LEAST TWO (2) SETTING
BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1.

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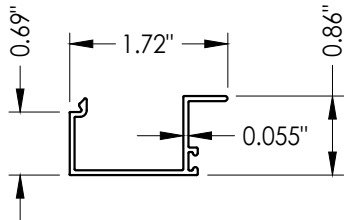
Documents Prepared By:
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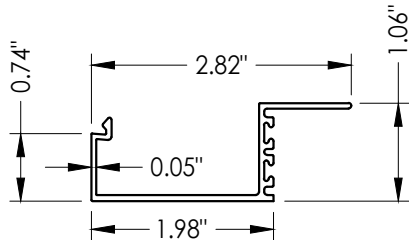
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH 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	-



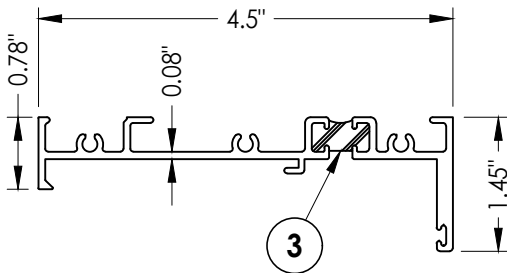
8 GLASS STOP 1-1/4"



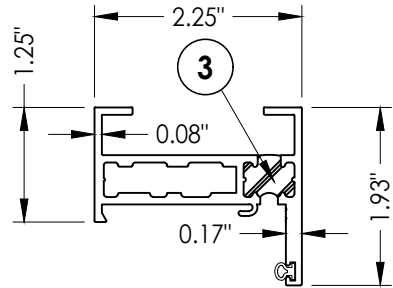
10 GLASS STOP 9/16"



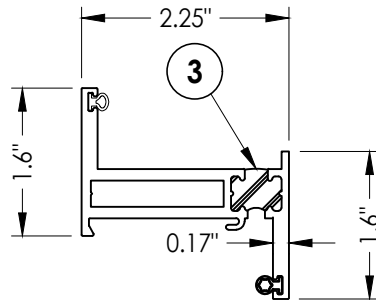
14 INSERT STOP



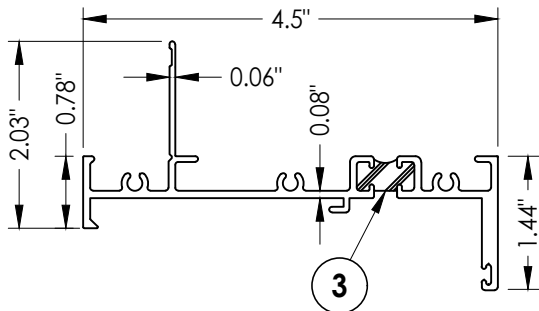
2 BLOCK FRAME



5 BLOCK FRAME



7 ZEE BAR (PANEL)



1 FIN BLOCK FRAME

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DATE:	12/01/21
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-14904.12
SHEET	9 OF 9

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

RW
BUILDING CONSULTANTS, INC.
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