



Series 350-T

Aluminum Casement Window

w/ Thermal Break Frame

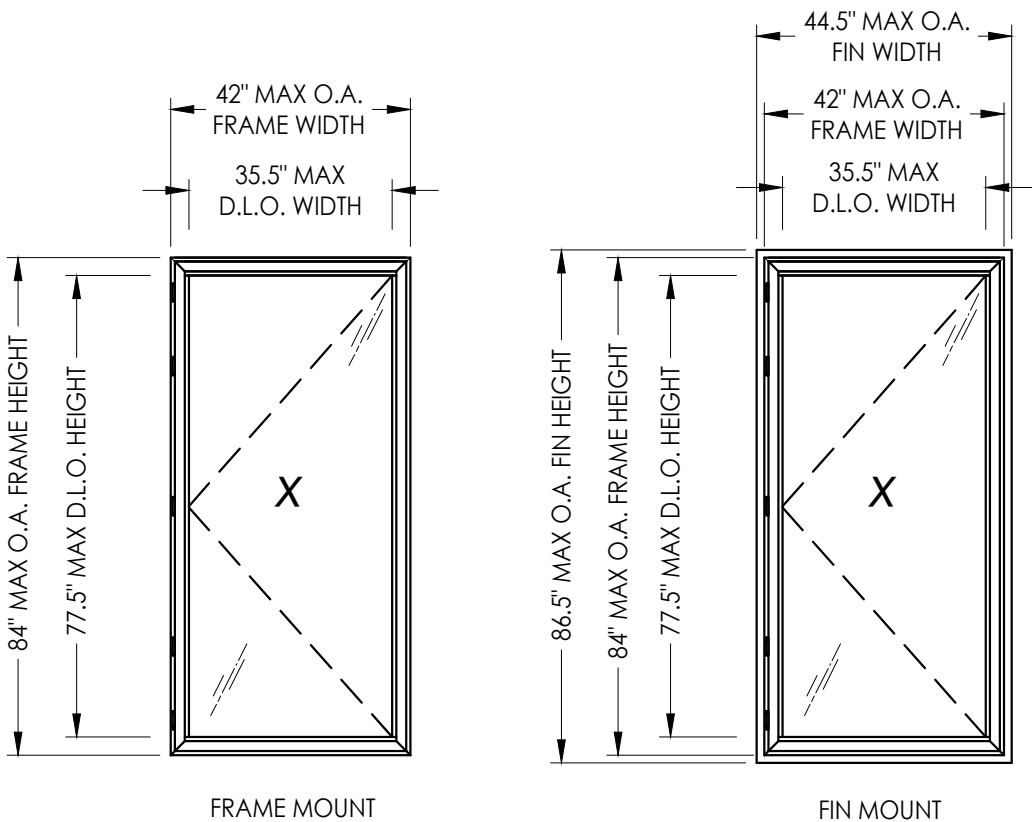
(WET GLAZED)

"IMPACT"

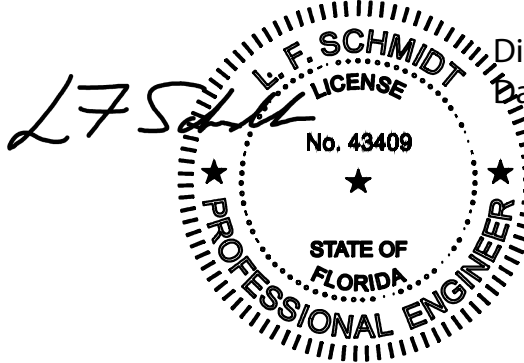
GENERAL NOTES

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
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
44.5" X 86.5"	42.0" X 84.0"	33.5" X 77.5"	G1, G2, G3	+65.0	-65.0



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

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

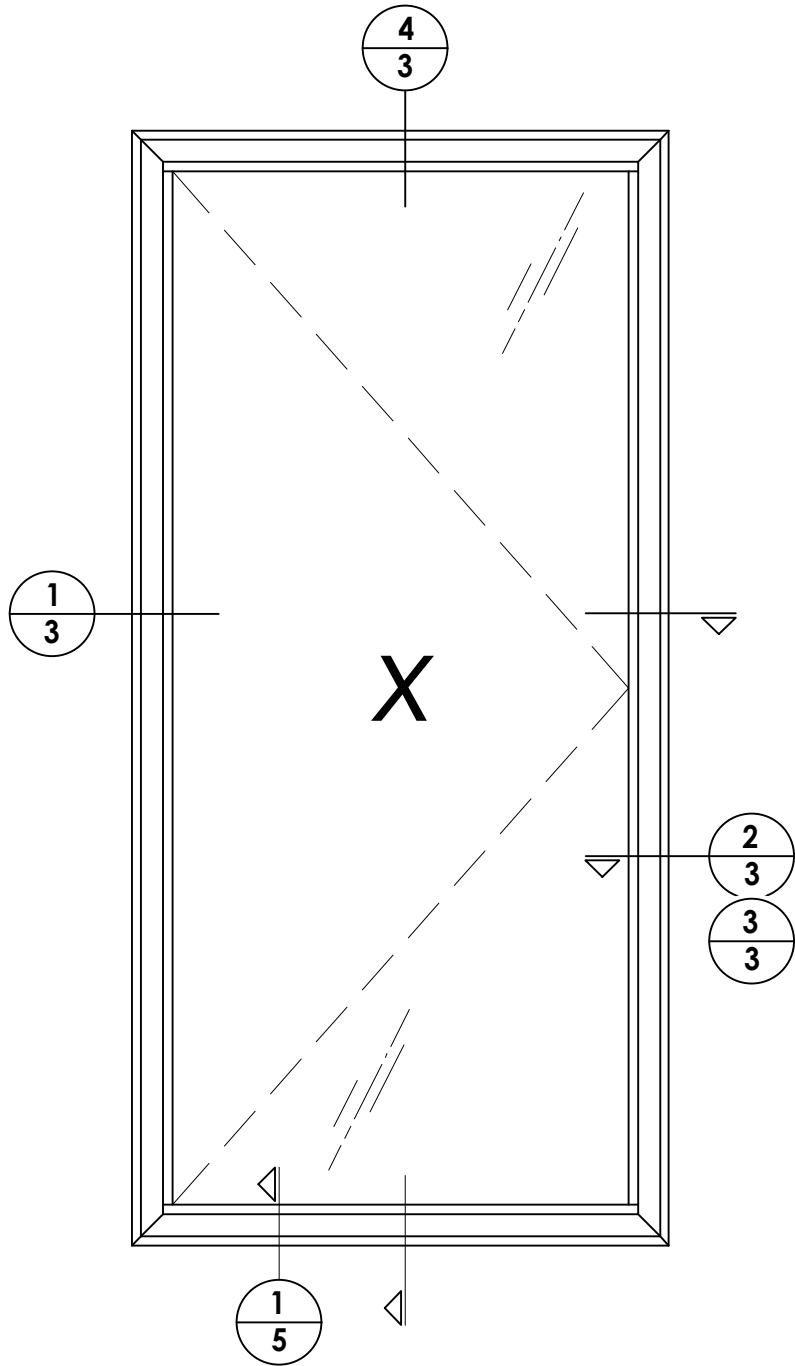
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
FLEETWOOD WINDOWS & DOORS

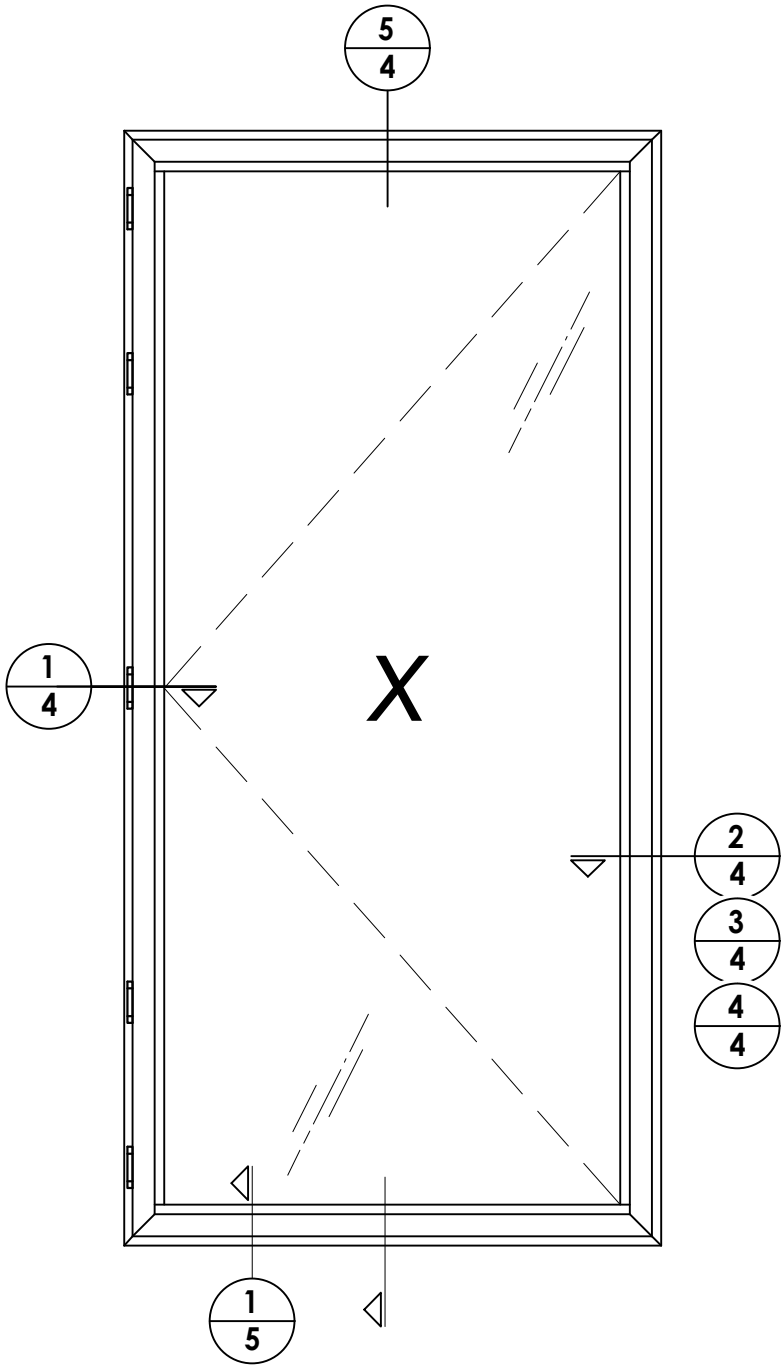
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
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-14904.14
SHEET 1 OF 9



4-BAR HINGE



BUTT HINGE

DATE:	12/01/21
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-14904.14
SHEET	2 of 9

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

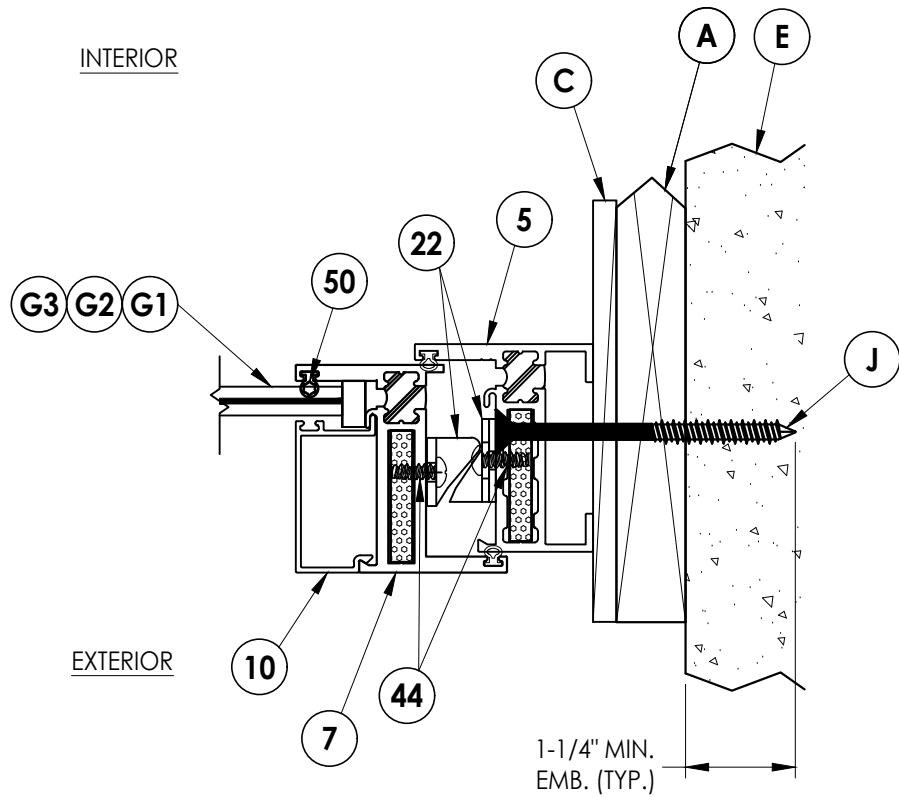
REVISIONS

PRODUCT:	FLEETWOOD WINDOWS & DOORS
PART OR ASSEMBLY:	ELEVATIONS

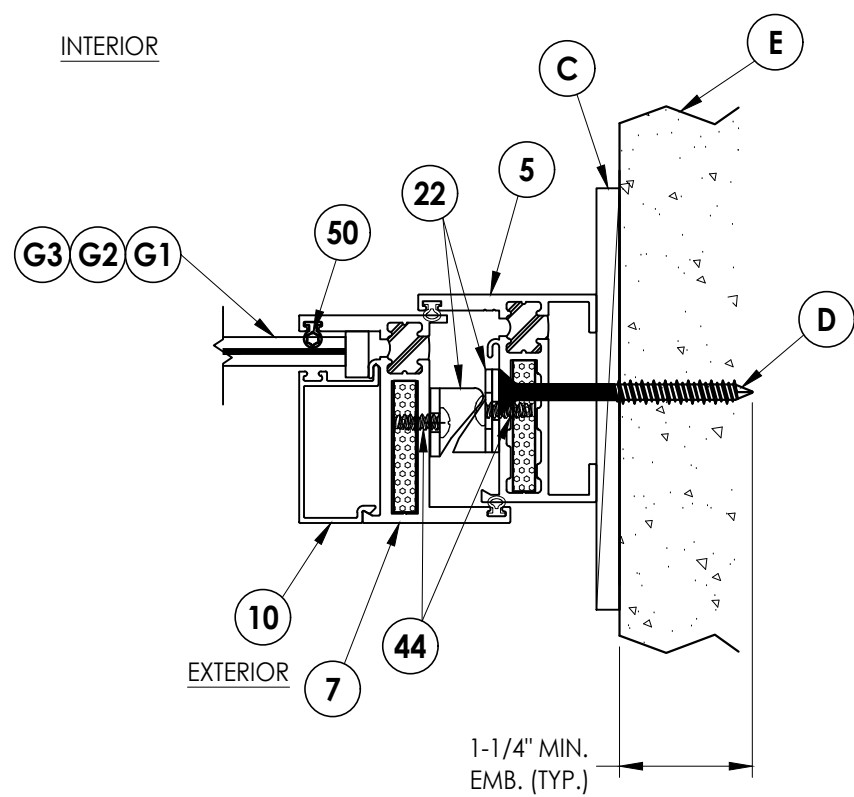
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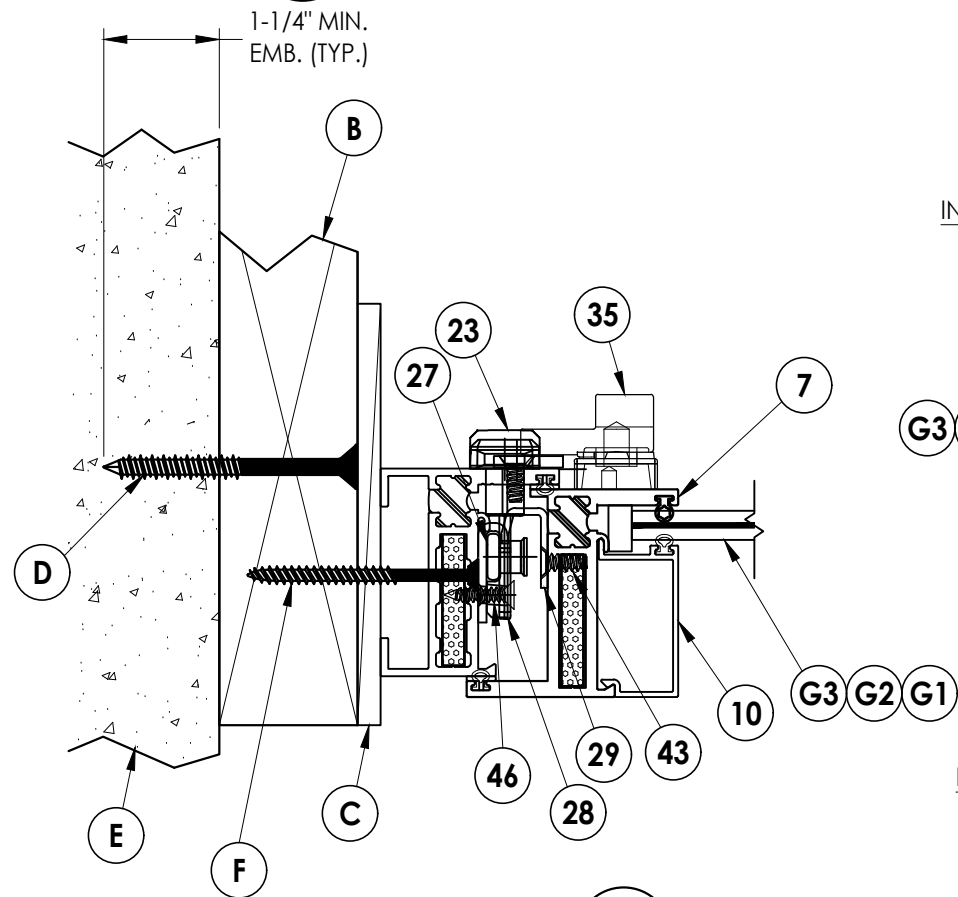
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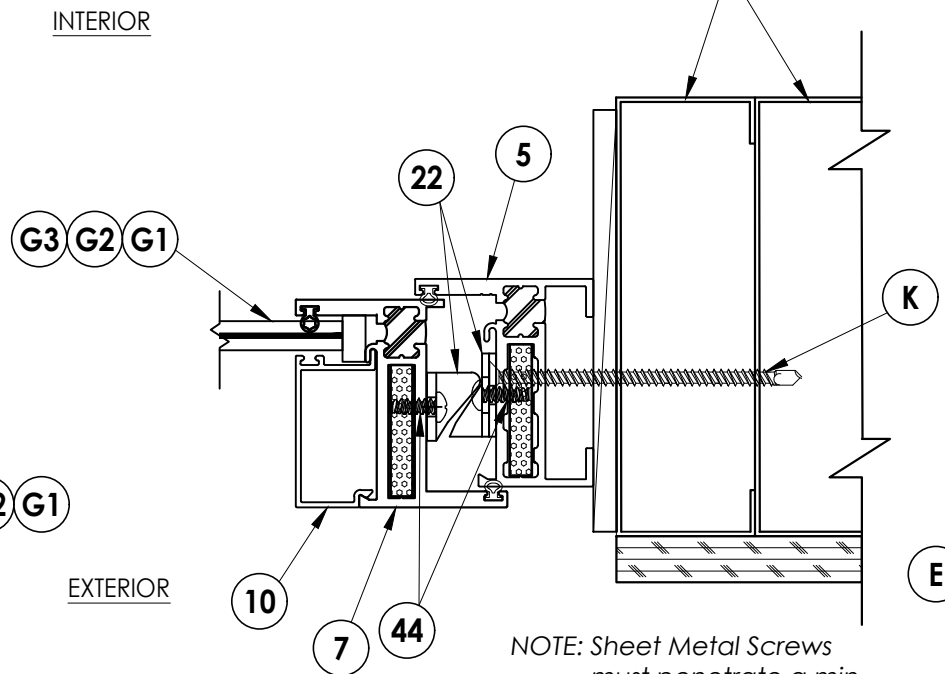
2 **HORIZONTAL CROSS SECTION**
3 Shown w/ 1X Sub buck option



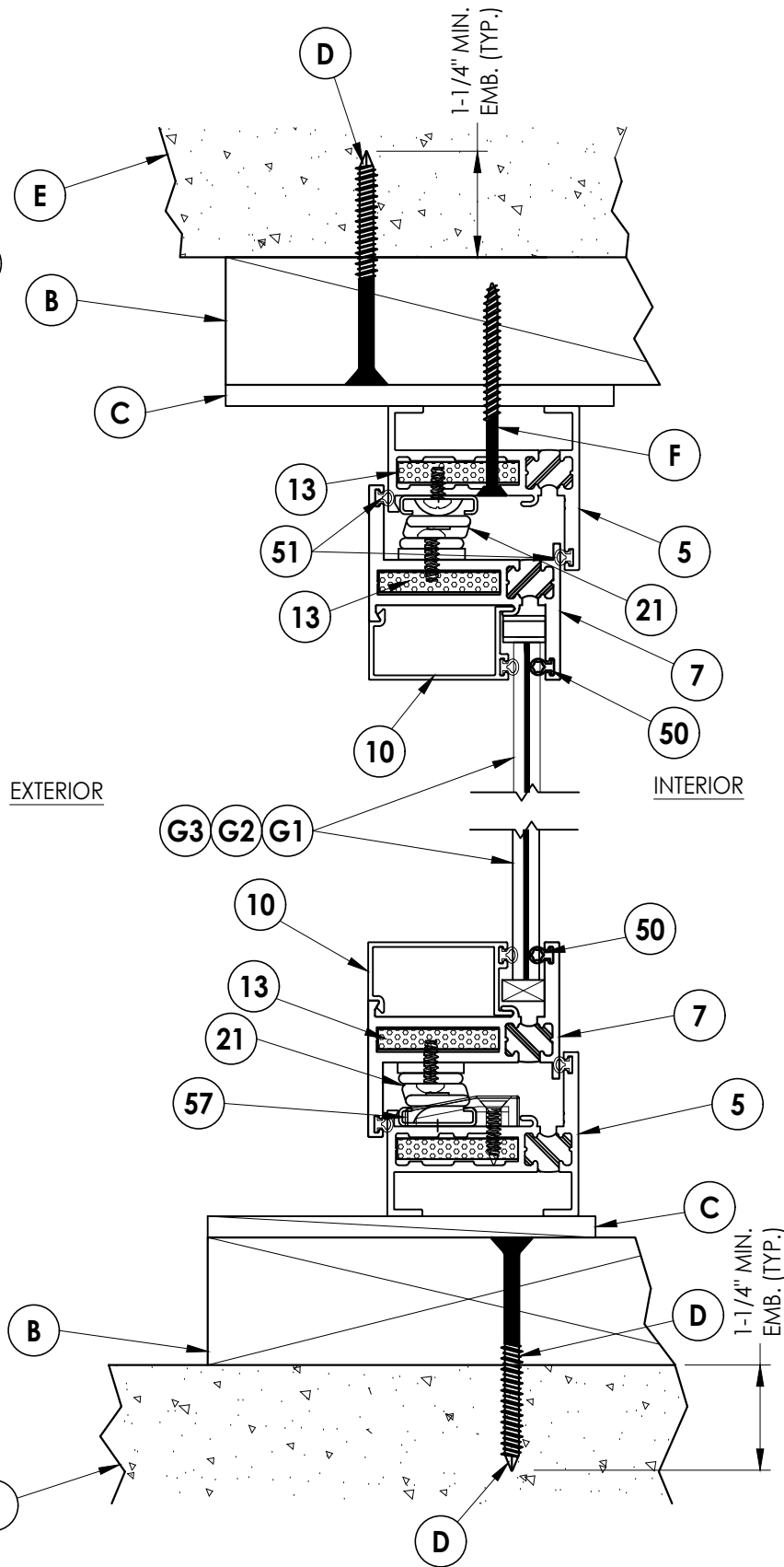
3 **HORIZONTAL CROSS SECTION**
3 Shown w/ Direct to Masonry option



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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PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

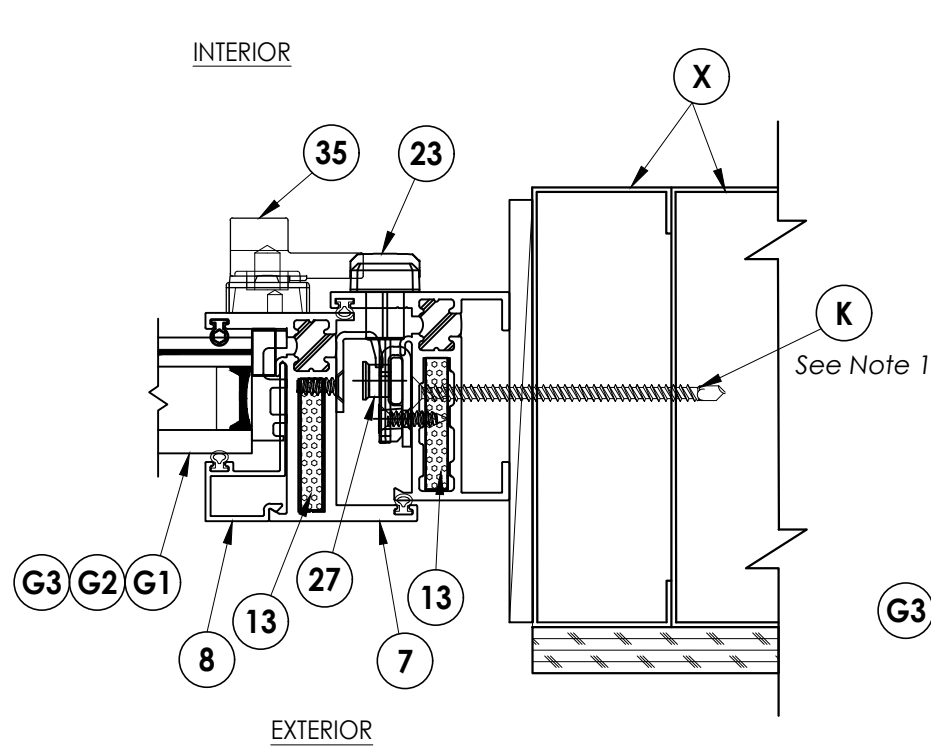
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DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-14904.14
SHEET 3 OF 9

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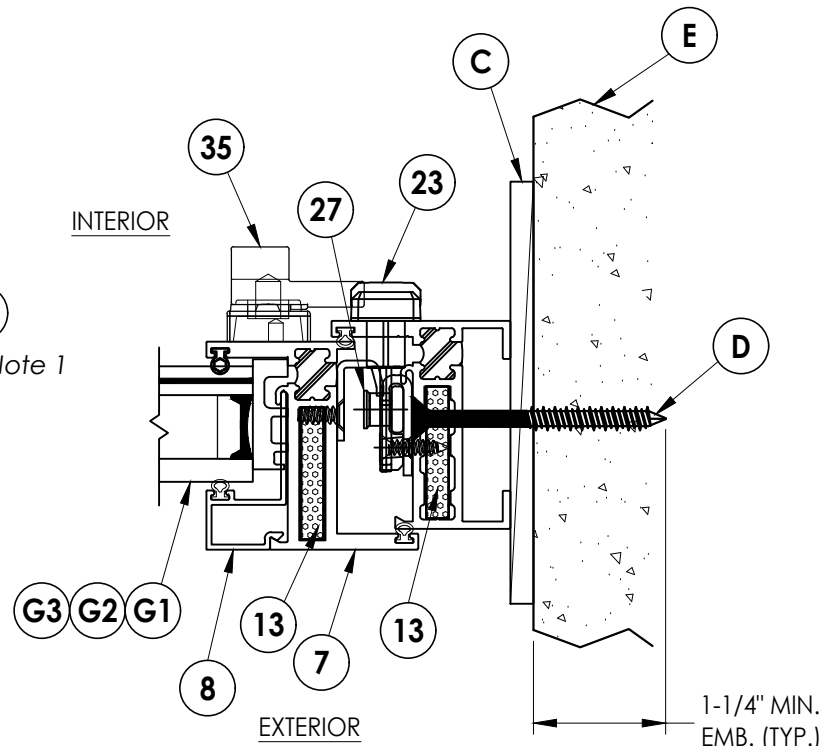
RW

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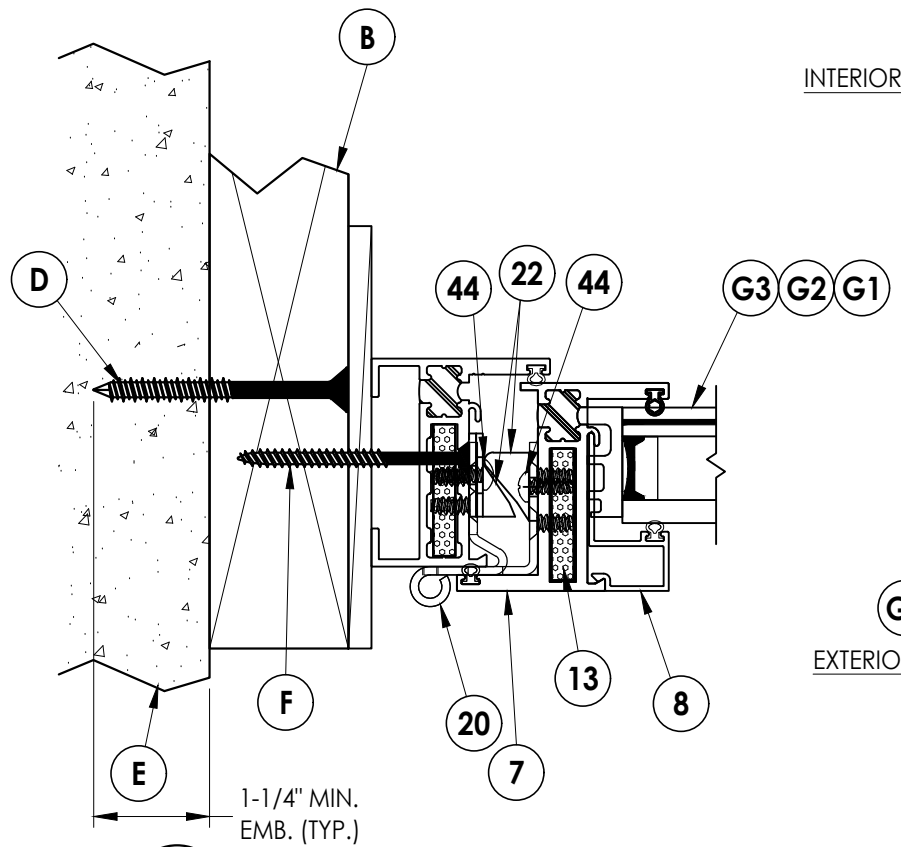
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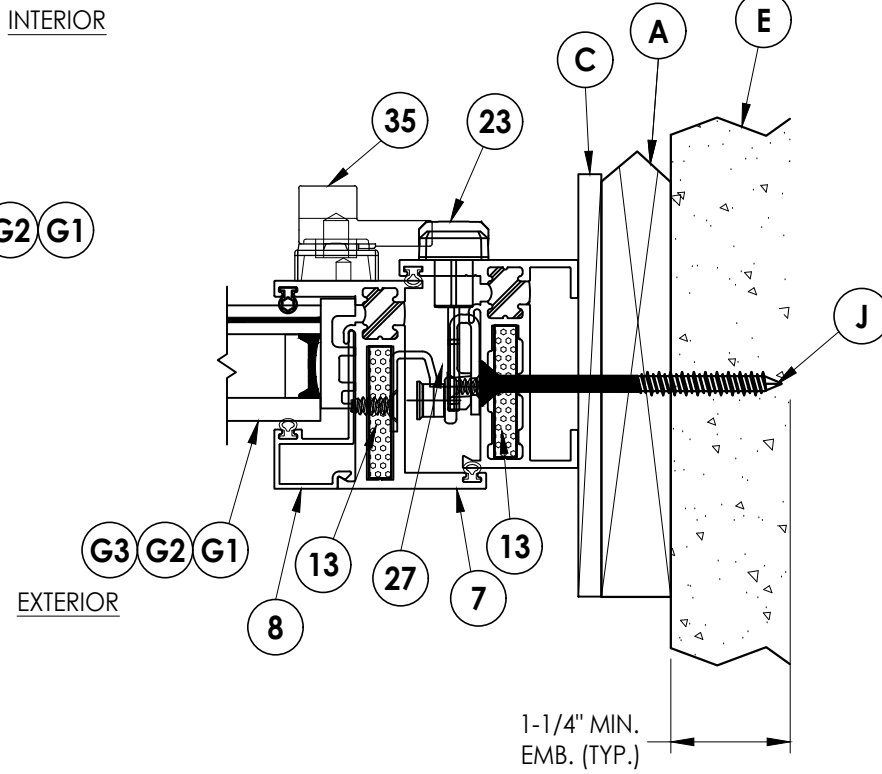
3 **HORIZONTAL CROSS SECTION**
4 Shown w/ Steel Stud option



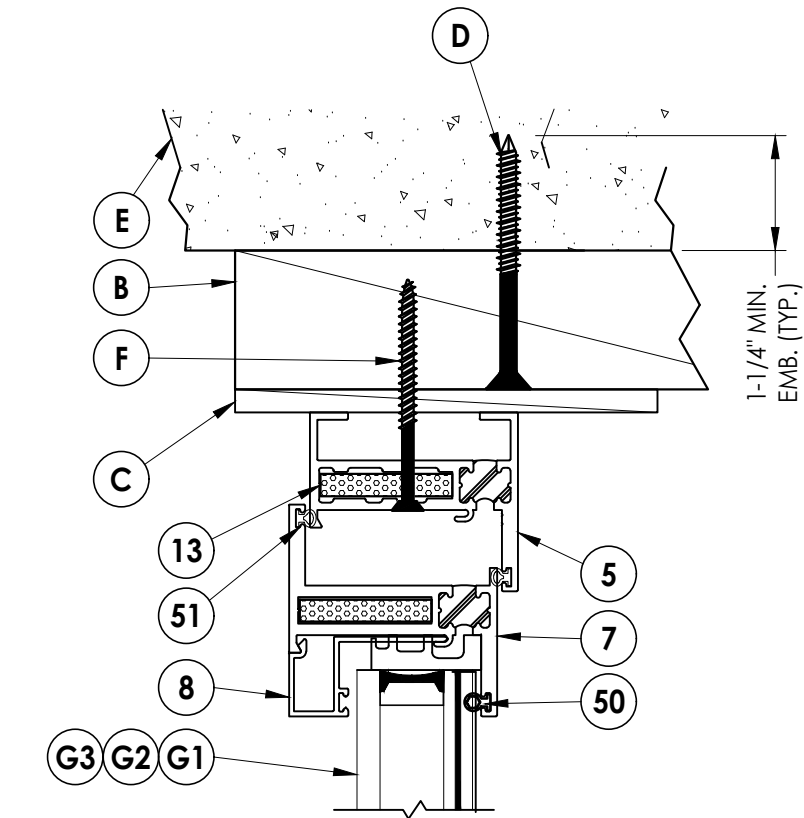
4 **HORIZONTAL CROSS SECTION**
4 Shown w/ Direct to Masonry option



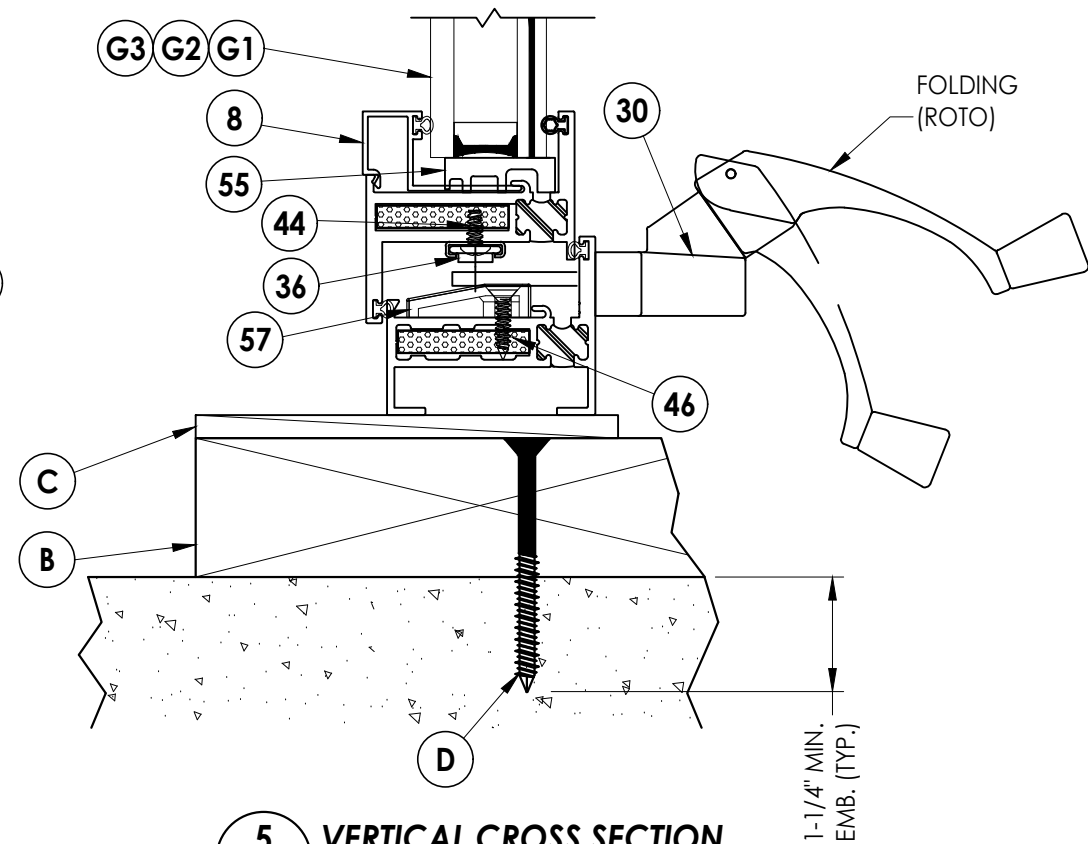
1 **HORIZONTAL CROSS SECTION**
4 Shown w/ 2X Buck Construction



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



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



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.

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P.E. No. 43409

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PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
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		BY

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SCALE: N.T.S.

DWG. BY: LFS

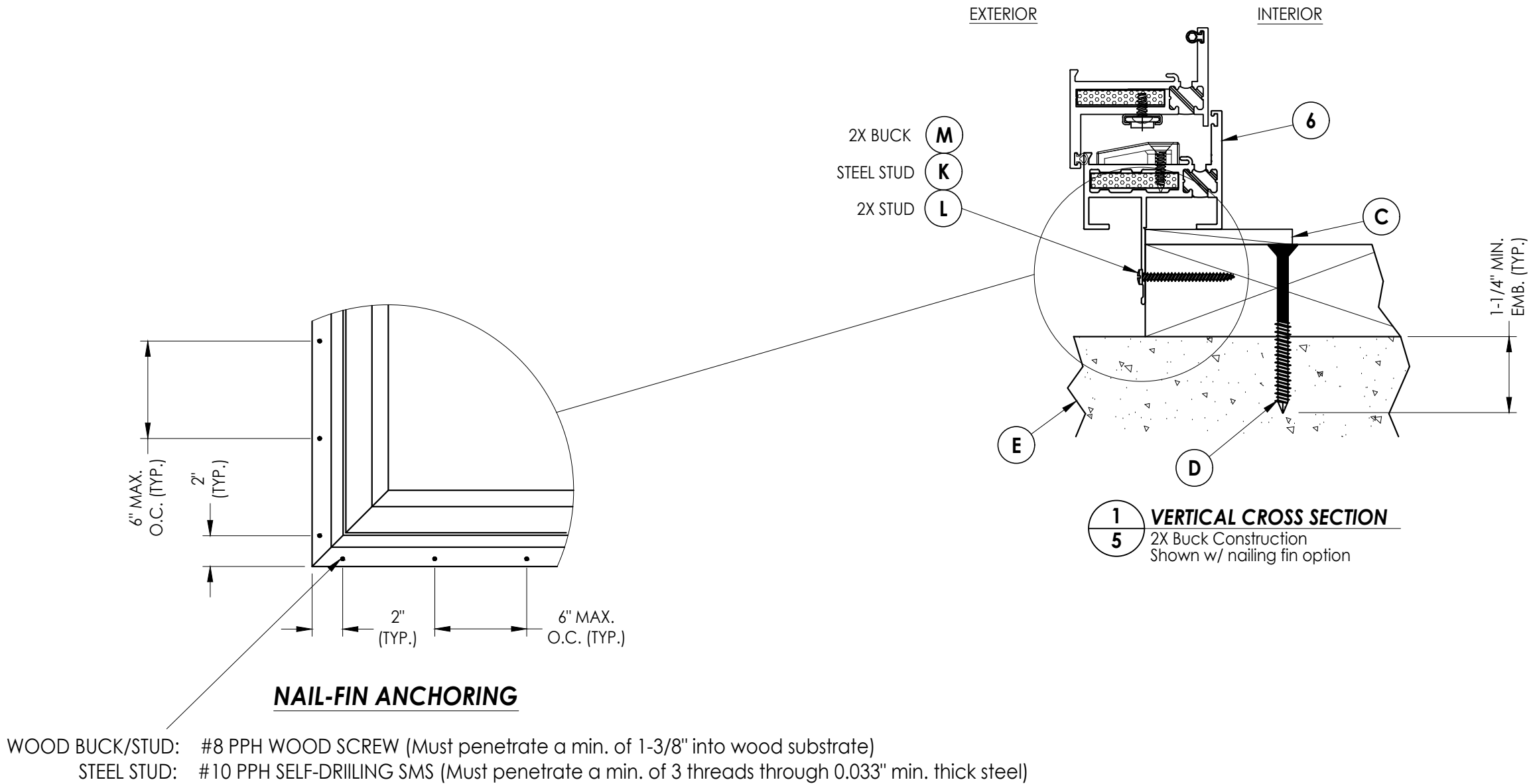
CHK. BY: RW

DRAWING NO.:

FL-14904.14

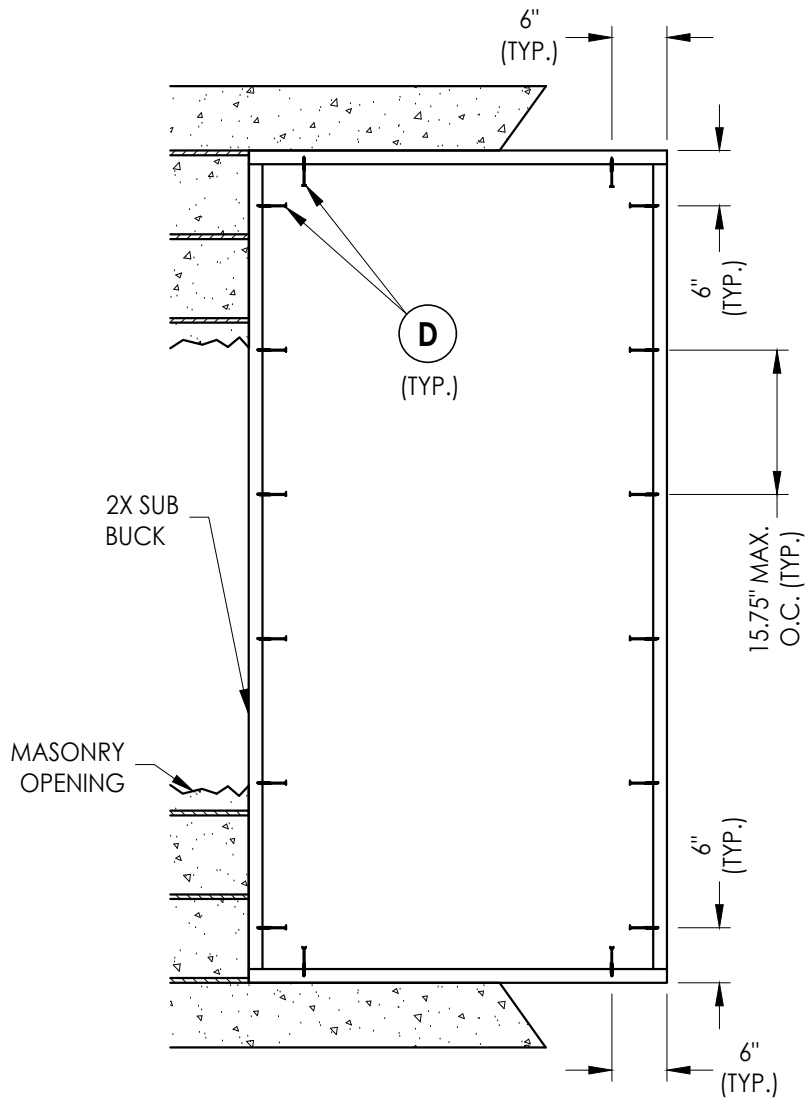
SHEET 4 OF 9

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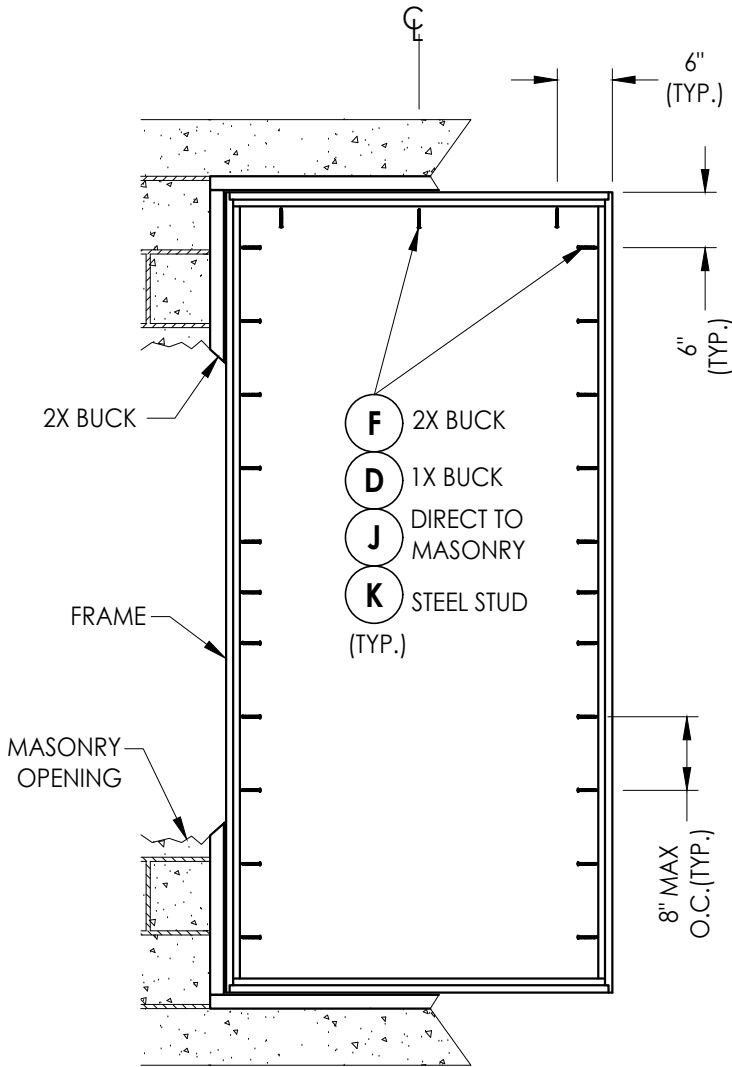


PRODUCT:				Documents Prepared By:			
FLEETWOOD WINDOWS & DOORS				Lyndon F. Schmidt			
PART OR ASSEMBLY:				P.E. No. 43409			
REVISIONS				BUILDING CONSULTANTS, INC.			
DATE: 12/01/21				P.O. Box 230, Valrico, FL 33595			
SCALE: N.T.S.				Phone No.: 813.659.9197			
DWG. BY: LFS				FBPE Registry No. 9813			
CHK. BY: RW							
DRAWING NO.: FL-14904.14							
SHEET 5 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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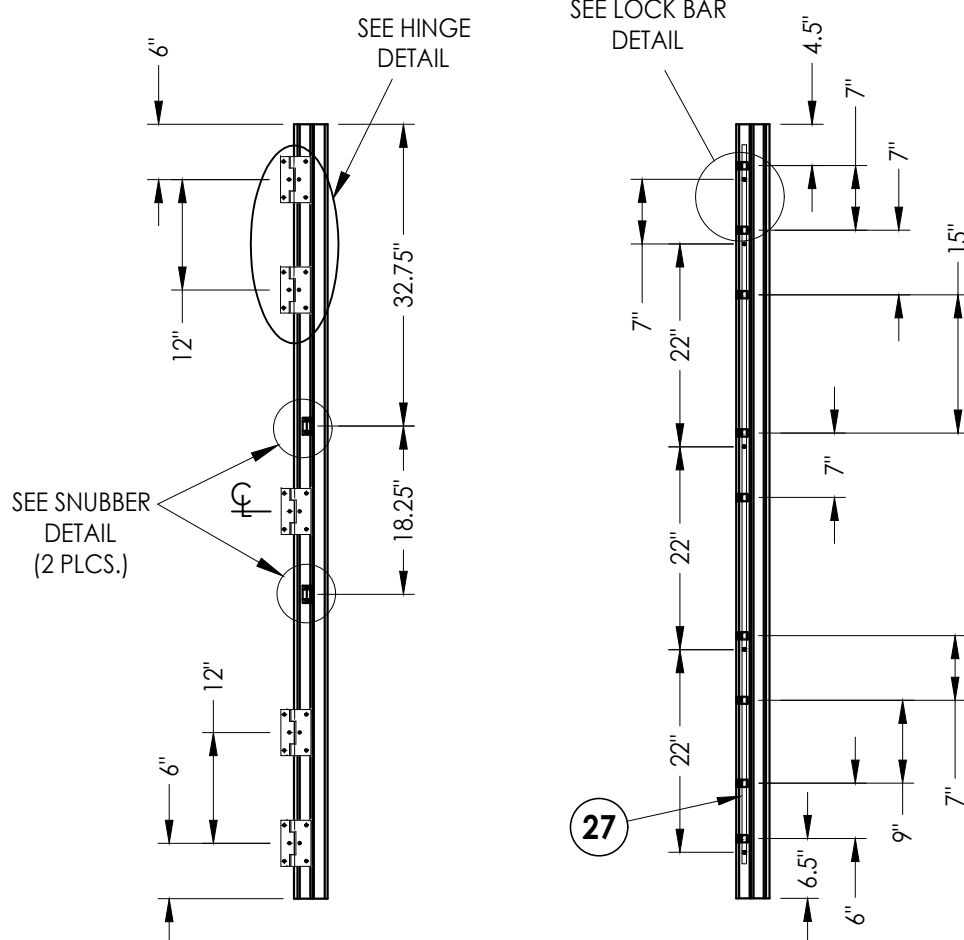
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FBPE Registry No. 9813

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-14904.14
SHEET 6 OF 9

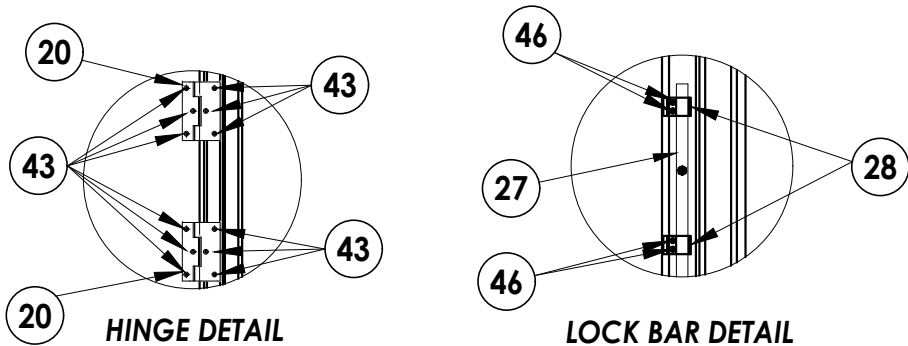


HINGE JAMB

LOCK JAMB

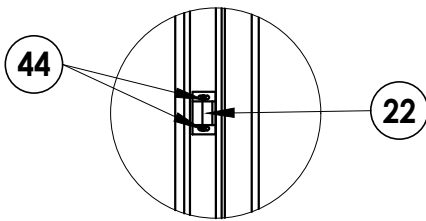
LOCKING POINTS (5

BUTT HINGES w/ MULTIPOINT LOCKING BAR

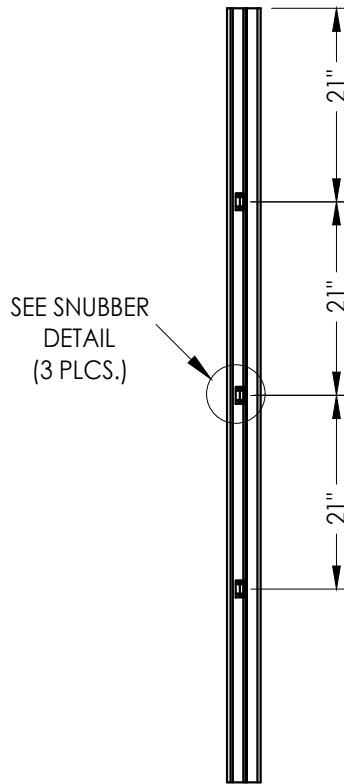


HINGE DETAIL

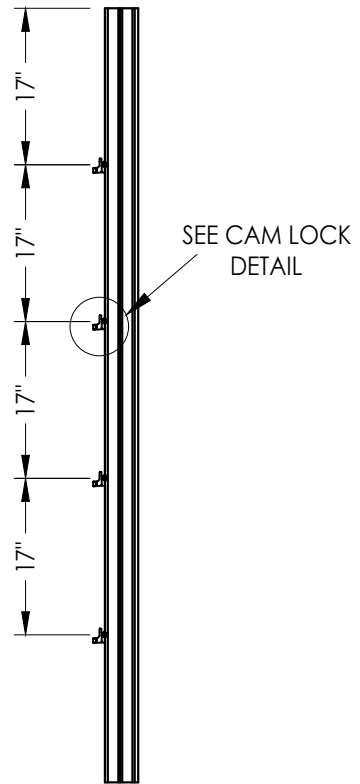
LOCK BAR DETAIL



SNUBBER DETAIL



SNUBBERS JAMB

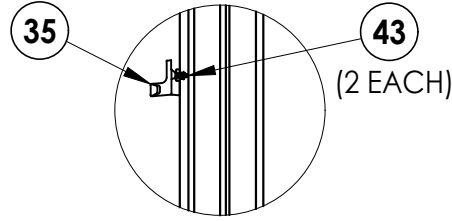


LOCK JAMB

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.

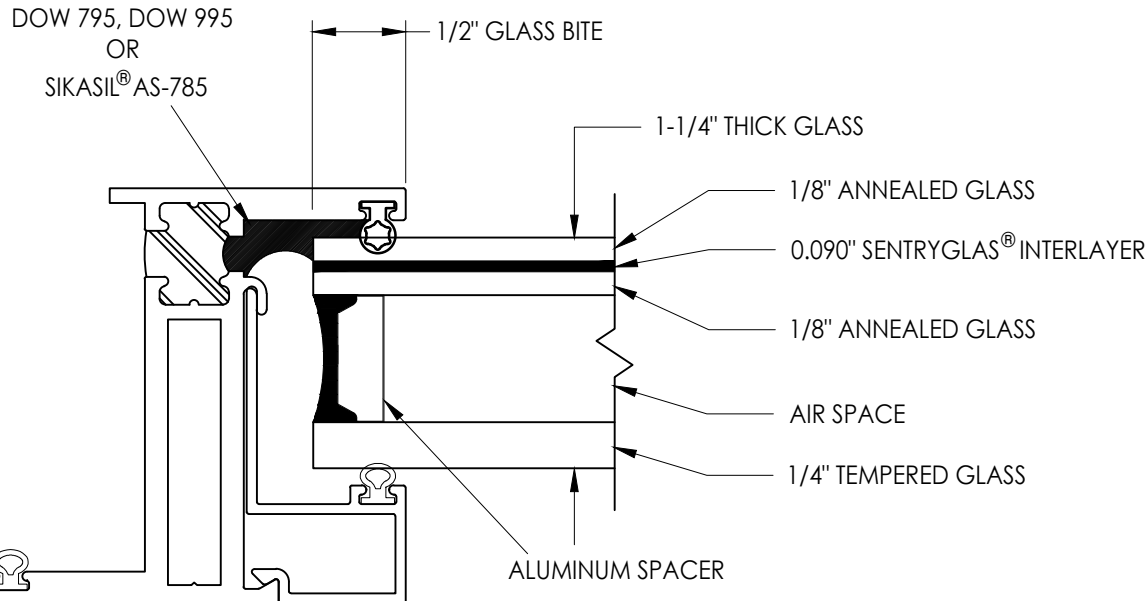


CAM LOCK DETAIL

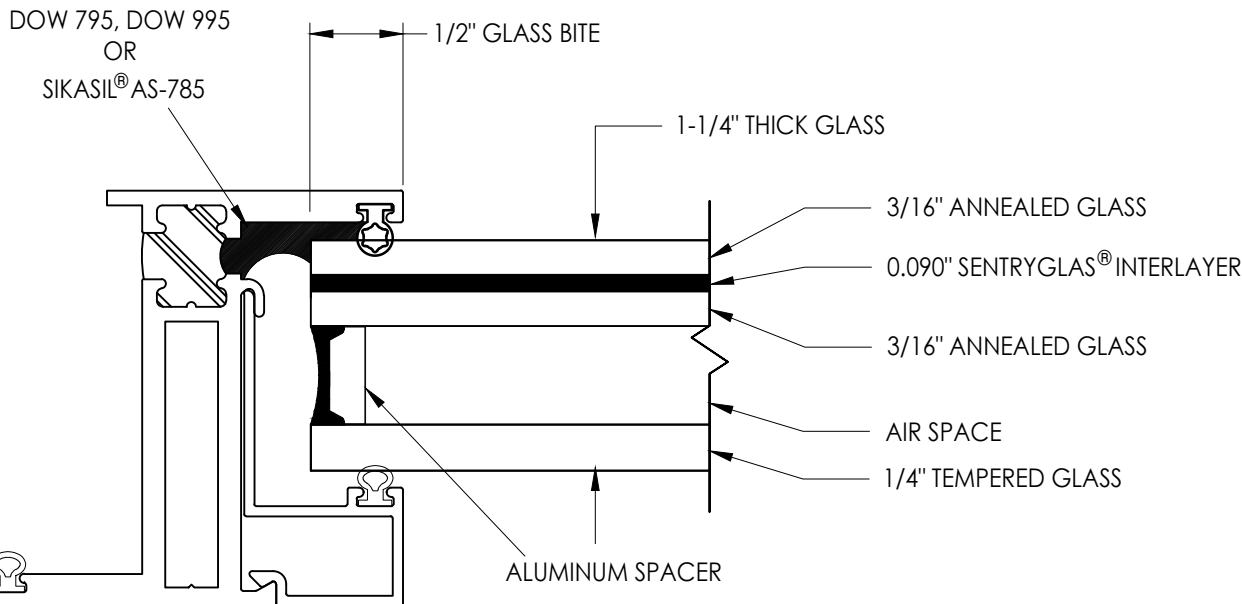
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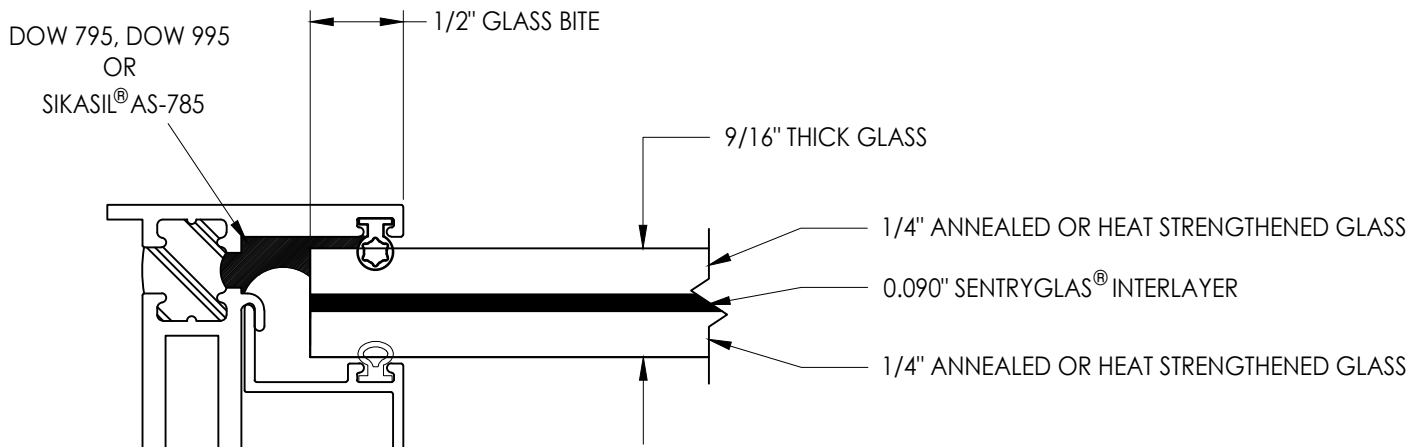
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G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL

[illegible]

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FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:

GLAZING DETAILS

BY

REVISIONS

NO.	DATE
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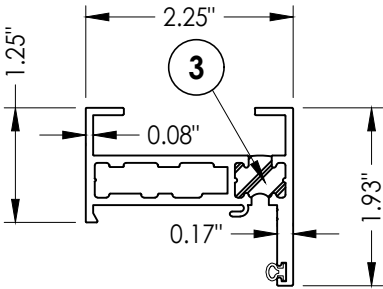
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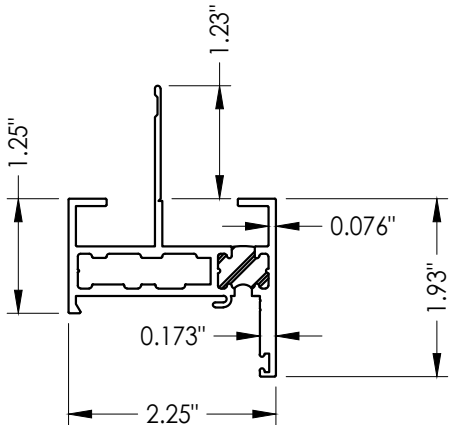
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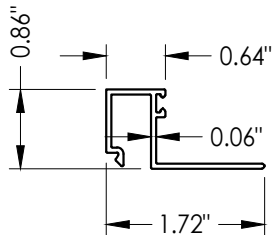
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
J	1/4" x 3-1/4" 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
3	THERMAL BREAK ("LIQUID POLYURETHANE" by Azon USA, Inc.)	-
5	BLOCK FRAME (350-T)	6063-T6 ALUM
6	FIN 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
13	CORNER KEY	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	-
55	SETTING BLOCK	-
57	PIVOT SHIM	-



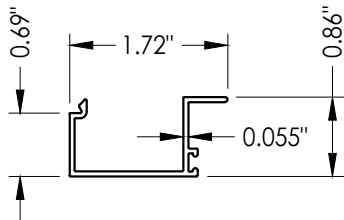
5 BLOCK FRAME



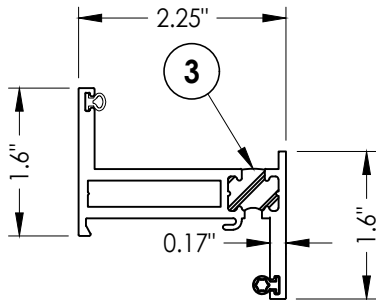
6 FIN BLOCK FRAME



8 GLASS STOP 1-1/4"



10 GLASS STOP 9/16"



7 ZEE BAR (PANEL)

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BILL OF MATERIALS
AND COMPONENTS

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CHK. BY: RW

DRAWING NO.:

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SHEET 9 OF 9

REVISIONS

NO. DATE

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