



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

L. F. SCHMIDT
LICENSE
No. 43409
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Digitally signed
by Lyndon F Schmidt
Date: 2023.07.12
10:01:11 -04'00'

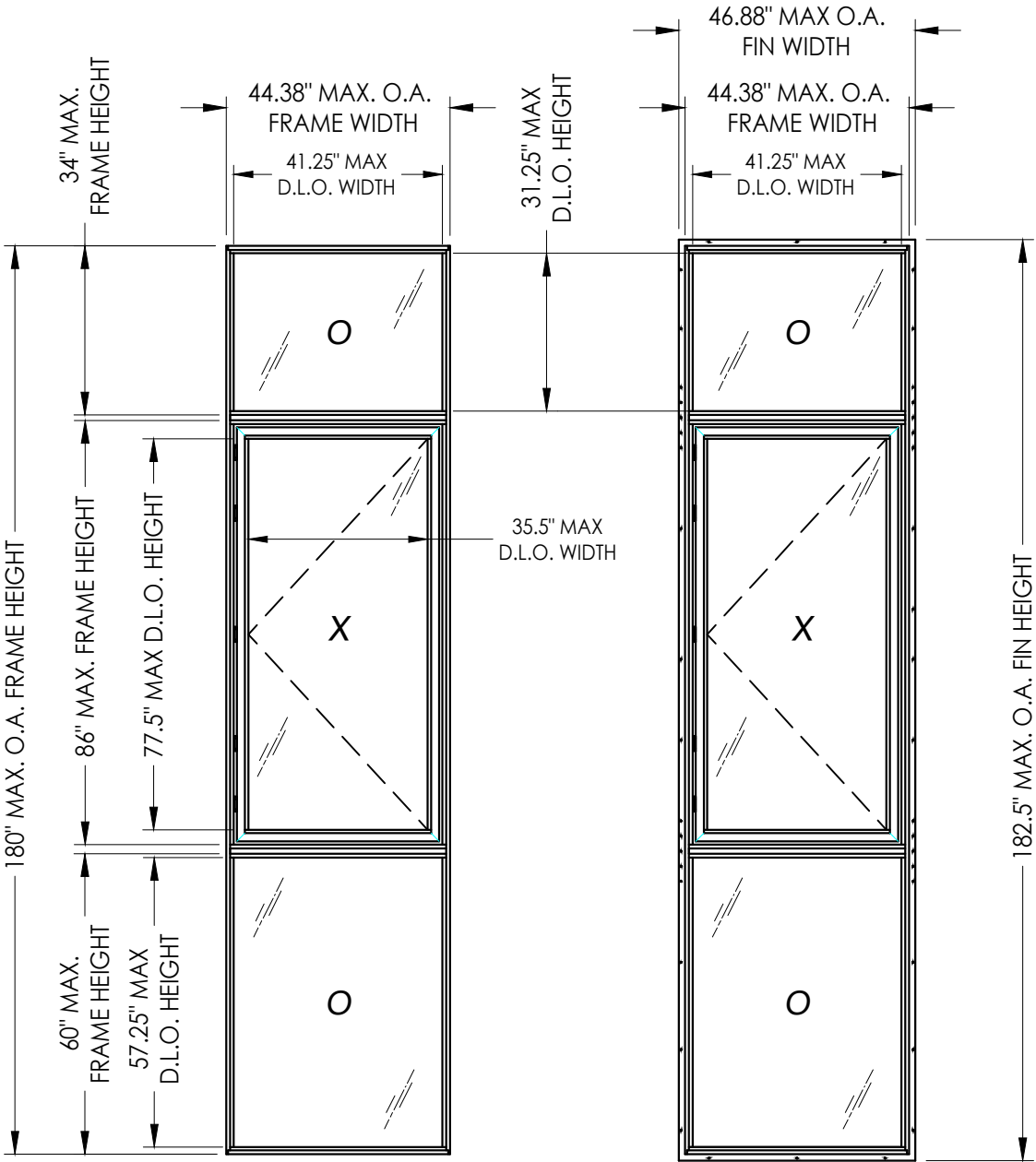
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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
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2	Elevations
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9	Bill of materials & components



FRAME MOUNT

FIN MOUNT

OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
46.88" X 182.5"	44.38" X 180.0"	35.5" X 77.5" (X)	G1, G2, G3	+65.0	-65.0
		41.25" X 57.25" (O)	G4, G5		

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-14904.13

SHEET 1 OF 9

REVISIONS

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

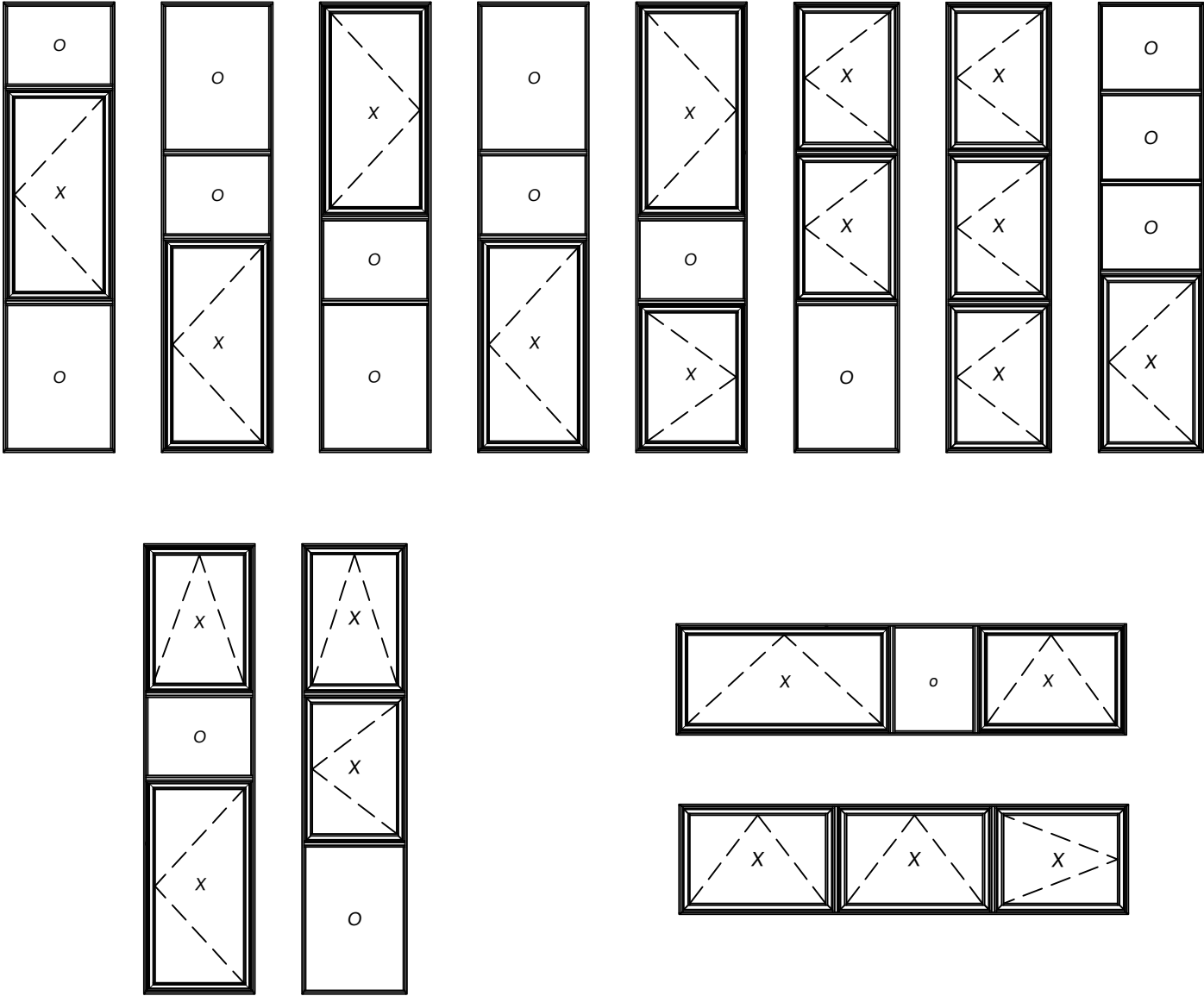
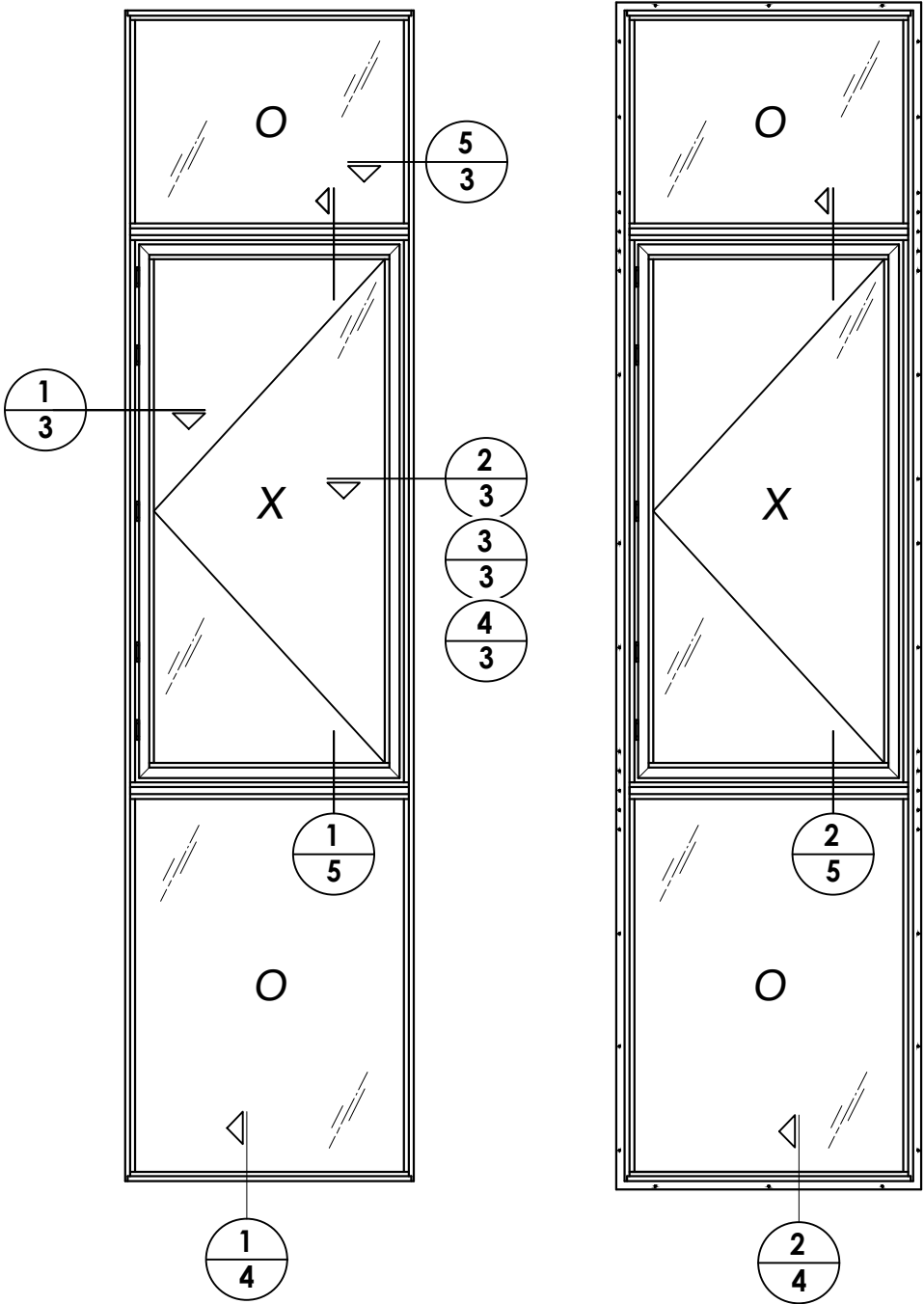
NO. DATE

BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

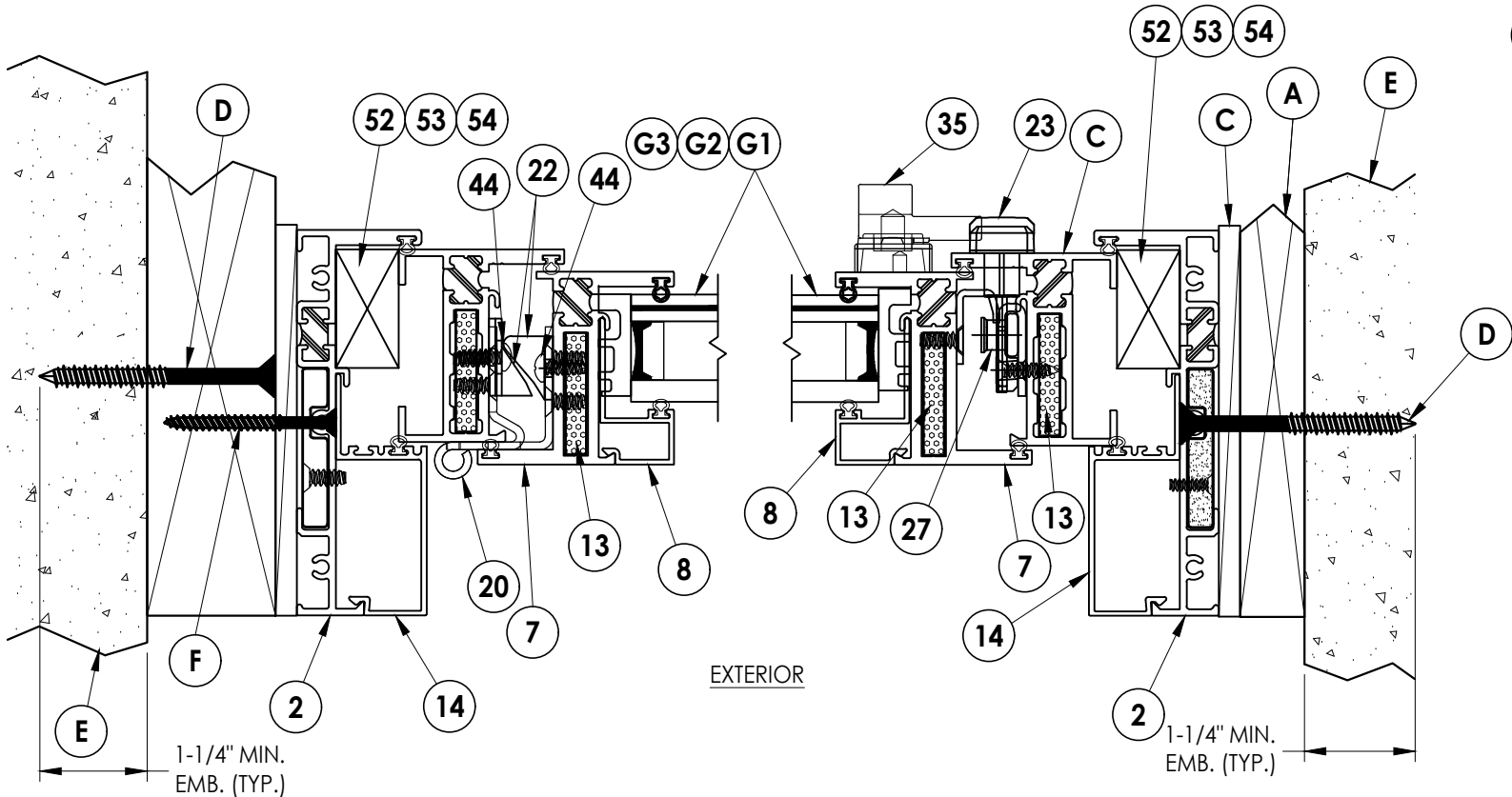


OPTIONAL CONFIGURATIONS

NOTE: Any combination of a single casement plus multiple fixed windows configurations are allowed. If two or more casements are used, the maximum frame size of the additional casement is 60". Do not exceed the maximum overall frame size or daylight openings as shown in this approval or with the separate corresponding awning approval.

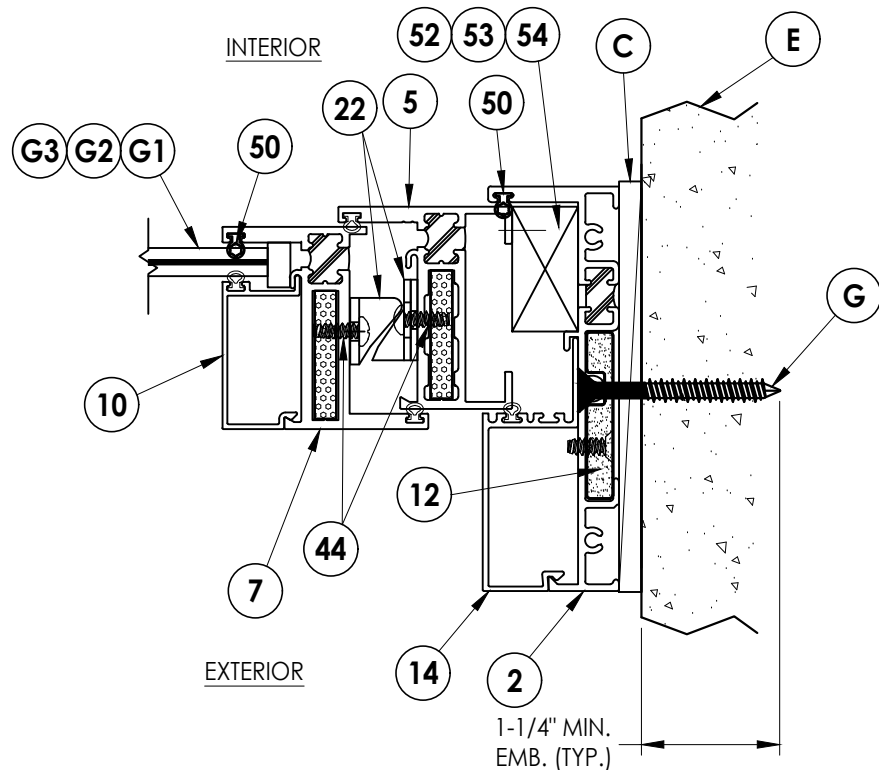
DATE: 12/01/21		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		FLEETWOOD WINDOWS & DOORS		Lyndon F. Schmidt	
DWG. BY: LFS		PART OR ASSEMBLY:		P.E. No. 43409	
CHK. BY: RW				RW BUILDING CONSULTANTS, INC.	
DRAWING NO.: FL-14904.13		ELEVATIONS		P.O. Box 230, Valrico, FL 33595	
SHEET 2 OF 9		REVISIONS		Phone No.: 813.659.9197	
				FBPE Registry No. 9813	

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

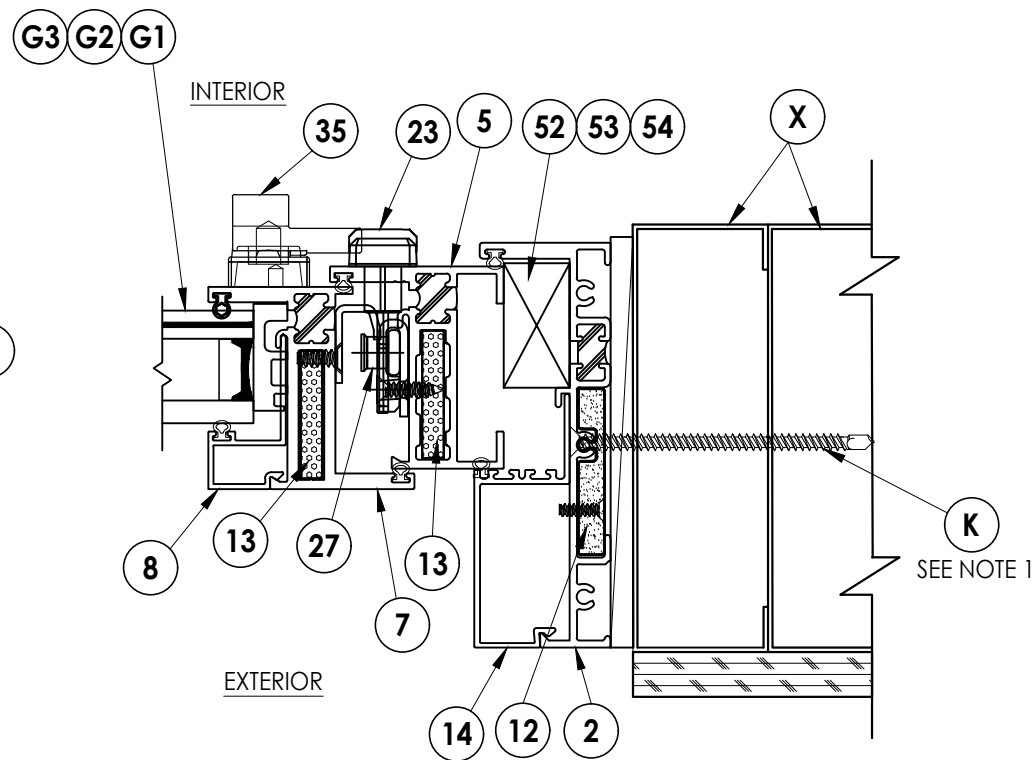
2 **HORIZONTAL CROSS SECTION**
3 Shown w/ 1X Sub buck option



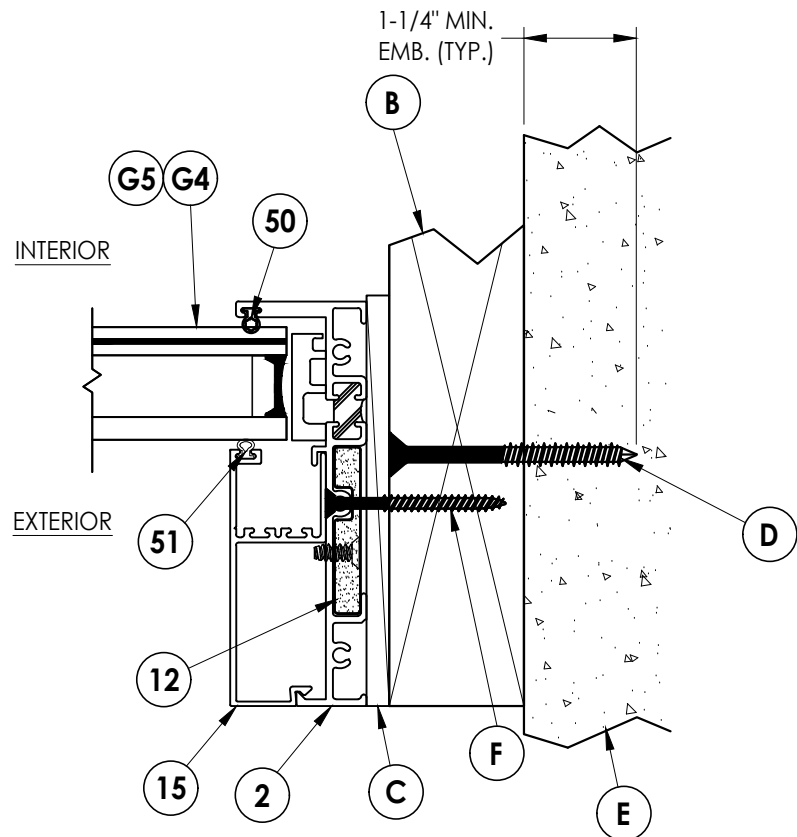
4 **HORIZONTAL CROSS SECTION**
3 Shown w/ Direct to Masonry option

NOTE:

1. Sheet Metal Screws must penetrated a min. of 3 threads through at least two (2) sheets of metal. Maintain a minimum 1/2" edge distance.



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



5 **HORIZONTAL CROSS SECTION**
3 Shown w/ 2X Buck option

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PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

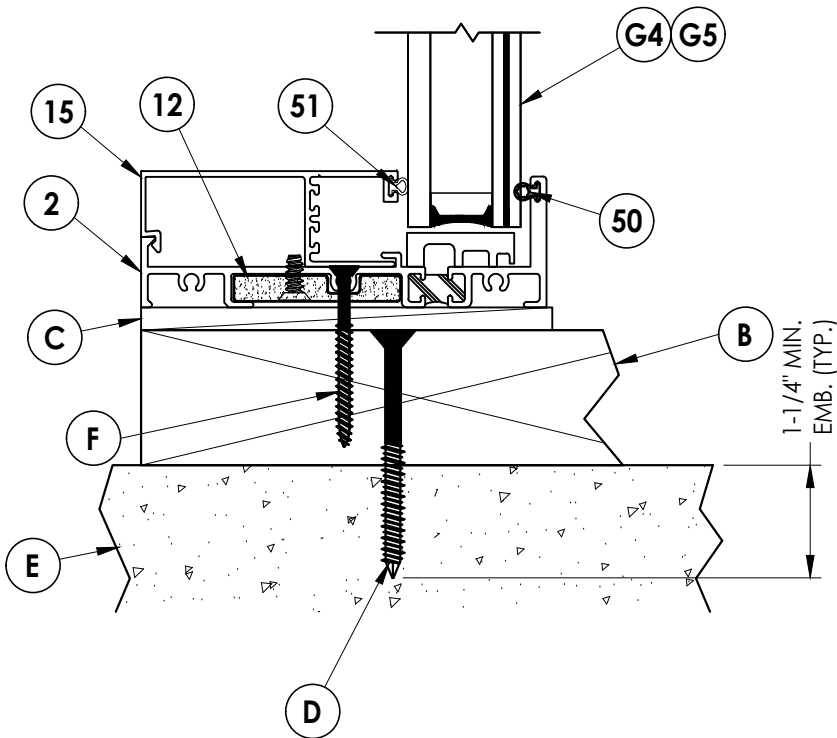
NO.	DATE	BY
1	7/12/23	LFS
UPDATE TO 8TH ED. (2023) FBC		

DATE: 12/01/21
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-14904.13
SHEET 3 OF 9

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EXTERIOR

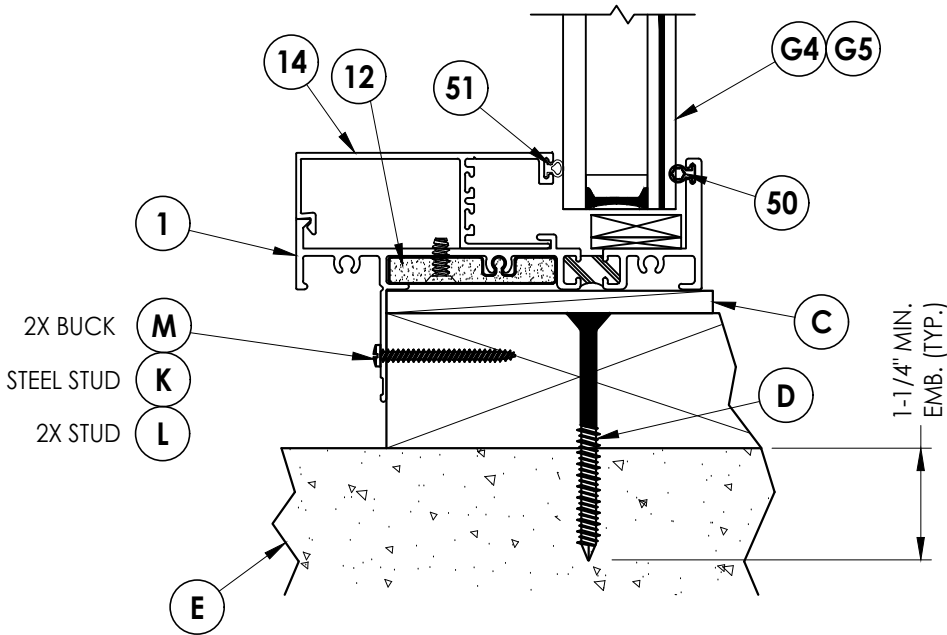
INTERIOR



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

EXTERIOR

INTERIOR



2
4 **VERTICAL CROSS SECTION**
2X Buck Construction
Shown w/ nailing fin option

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-14904.13

SHEET 4 OF 9

PRODUCT:

FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:

VERTICAL
CROSS SECTIONS

Documents Prepared By:

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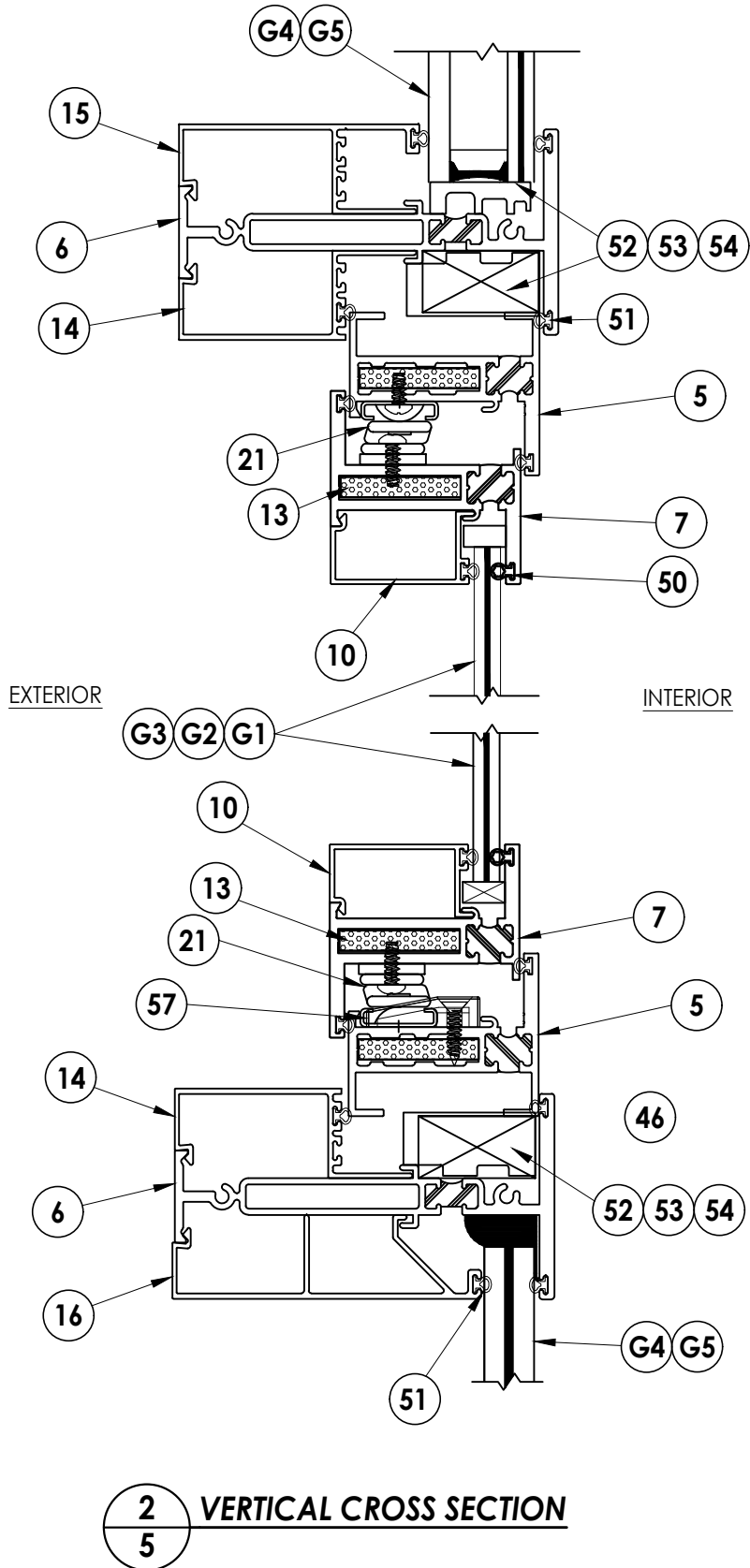
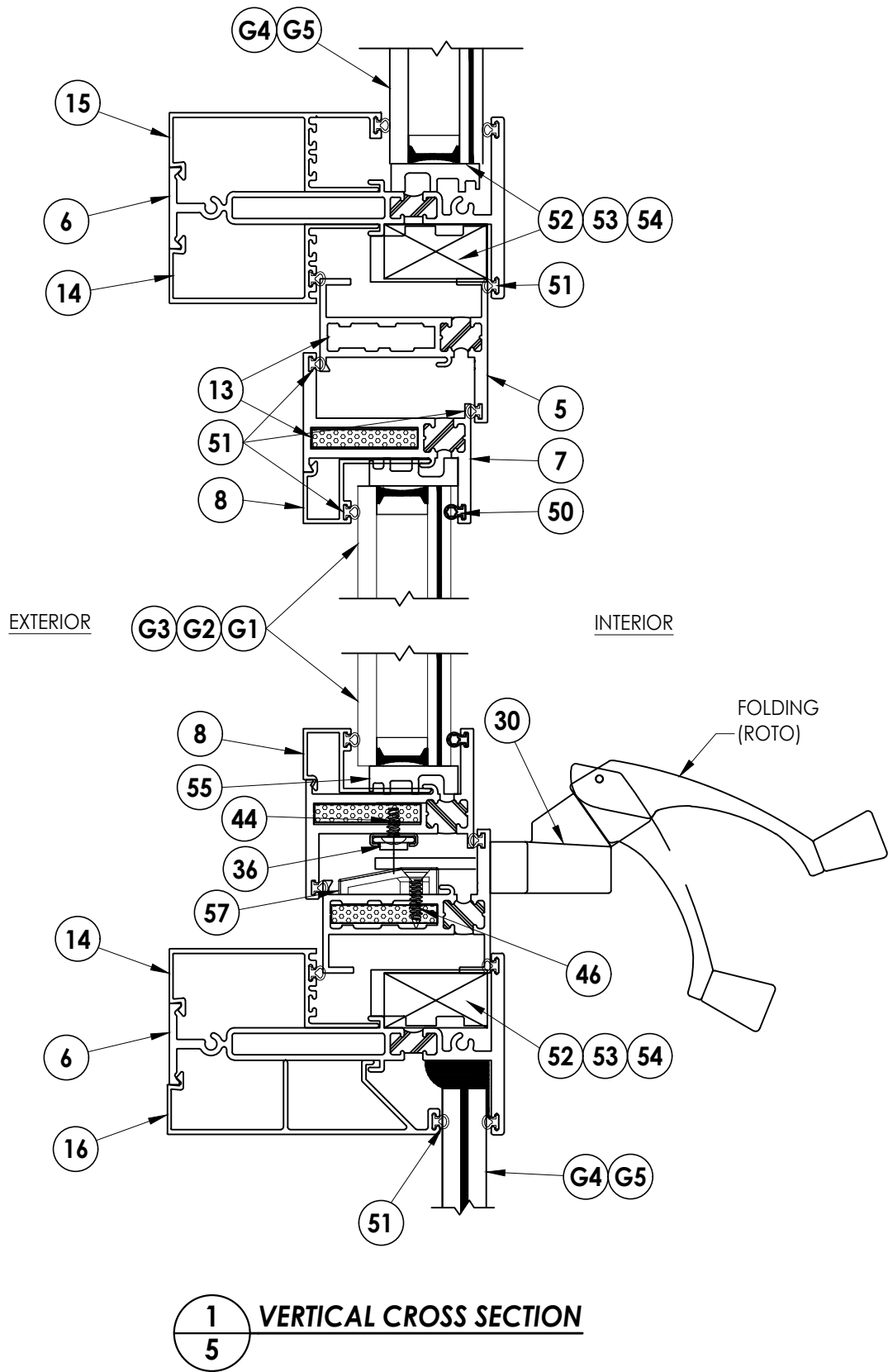
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SHEET 5 OF 9

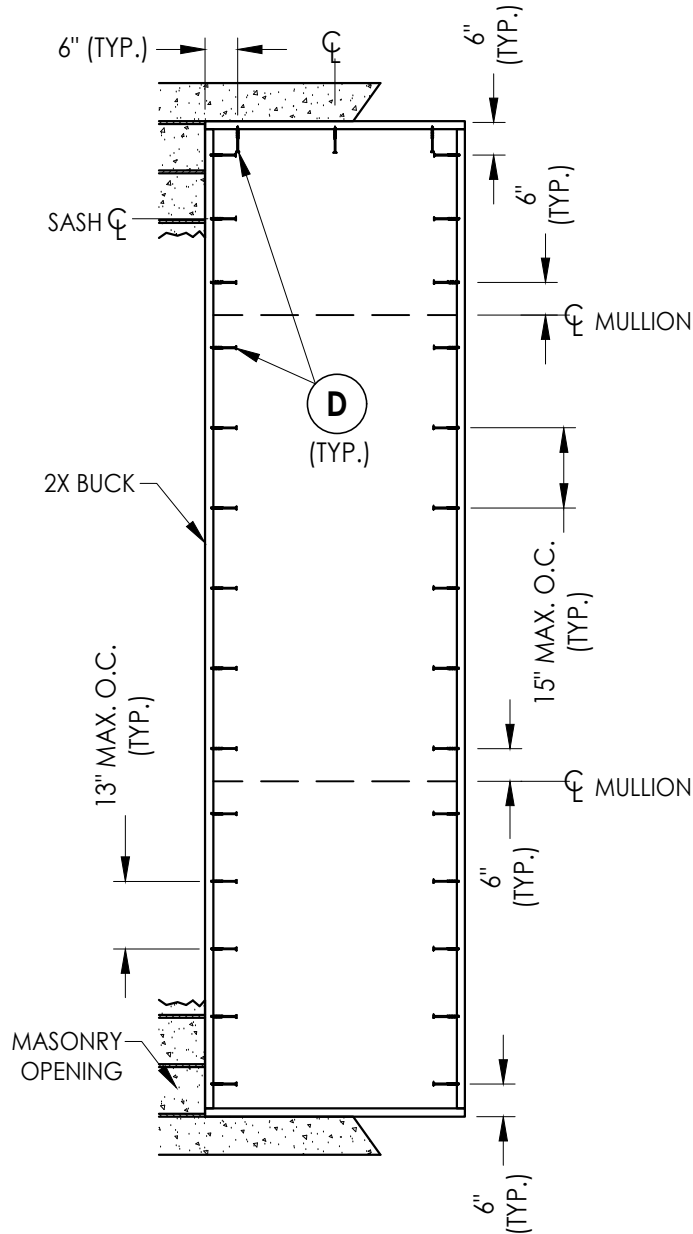
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CROSS SECTIONS

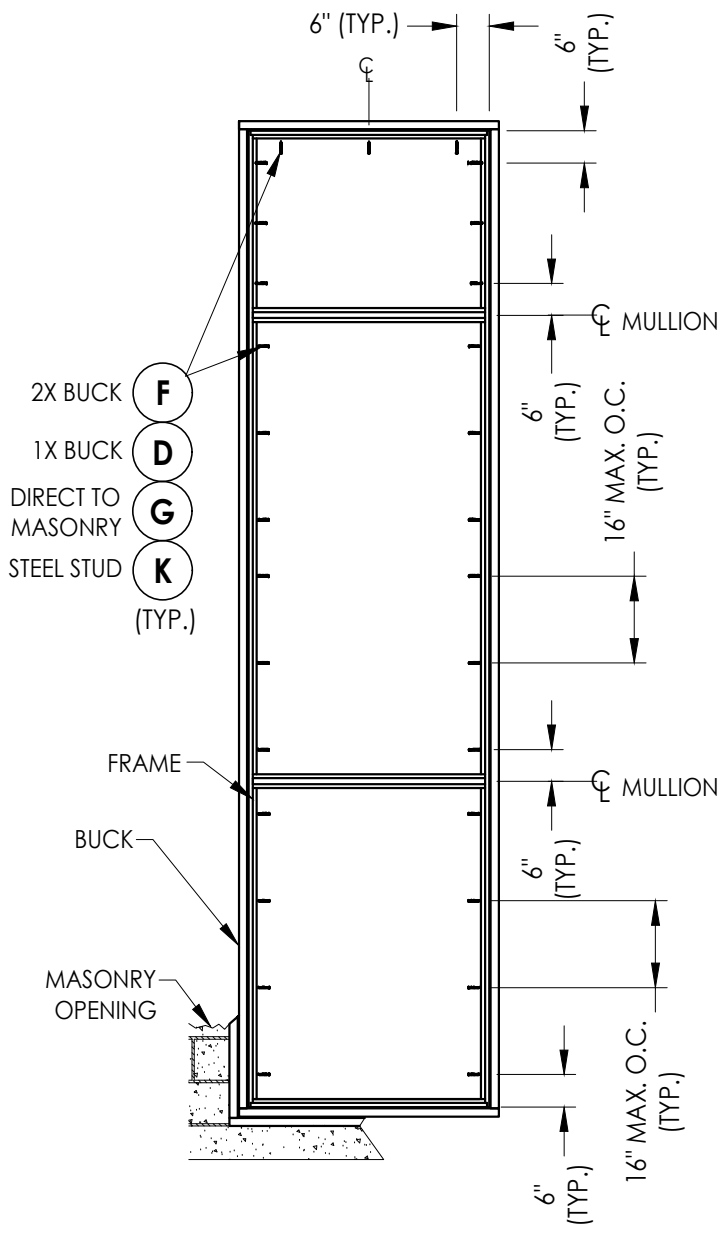
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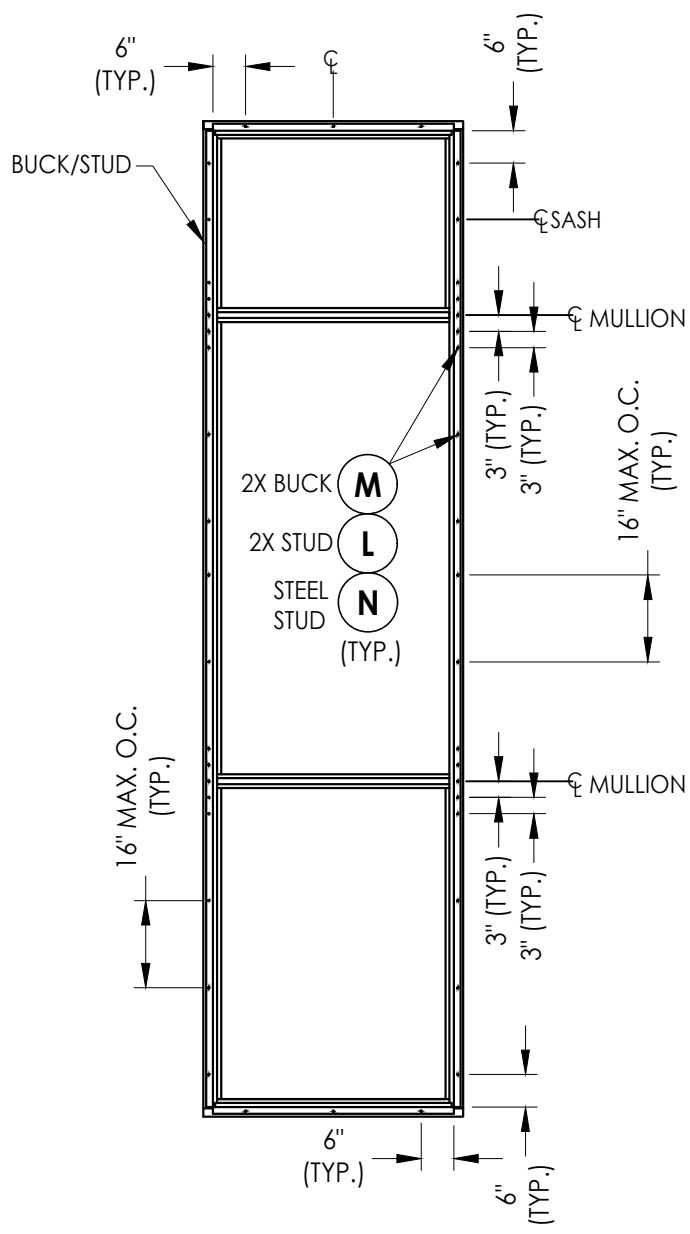
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BUCK ANCHORING



FRAME MOUNT ANCHORING



FIN 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:

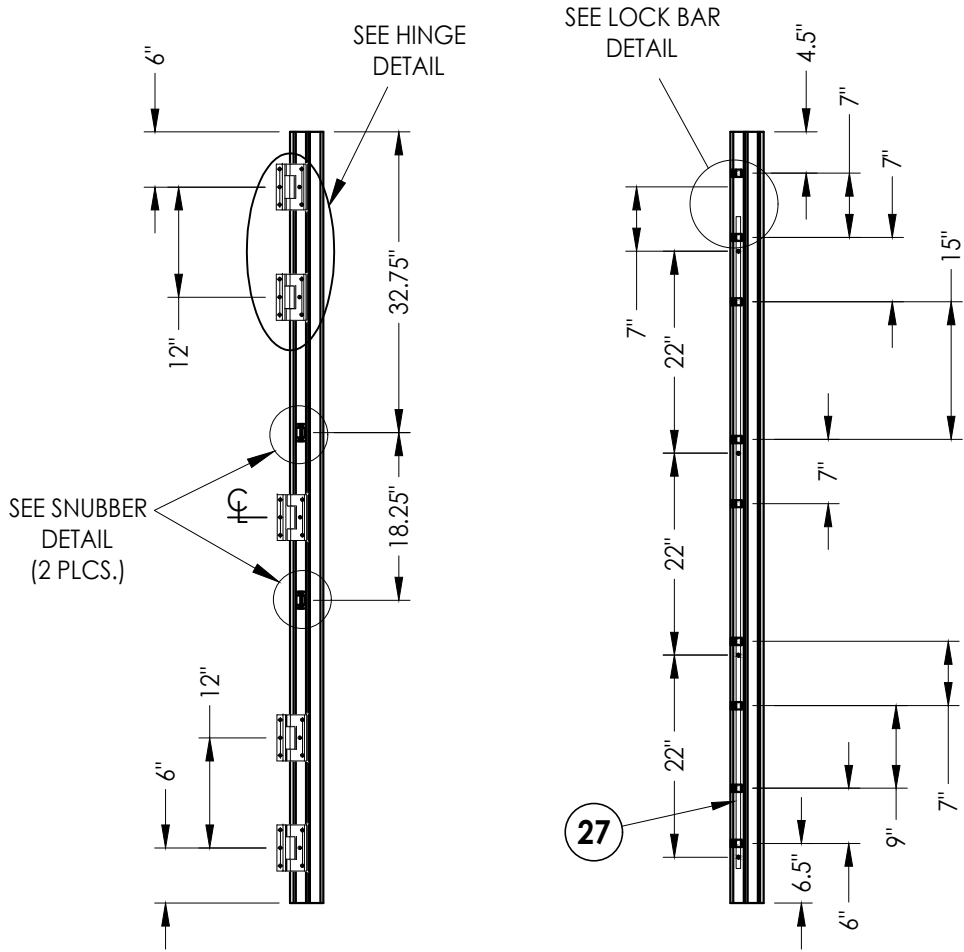
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

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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PRODUCT: FLEETWOOD WINDOWS & DOORS		PART OR ASSEMBLY: BUCK & FRAME ANCHORING	
DATE: 12/01/21		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-14904.13		SHEET 6 OF 9	
NO. 1		DATE 7/12/23	
UPDATE TO 8TH ED. (2023)		FBC LFS BY	
REVISIONS			

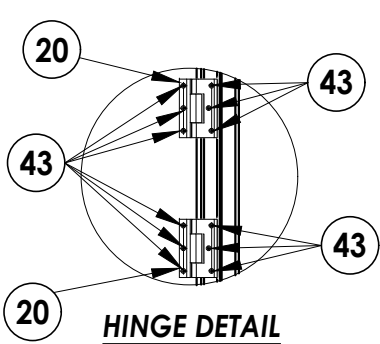
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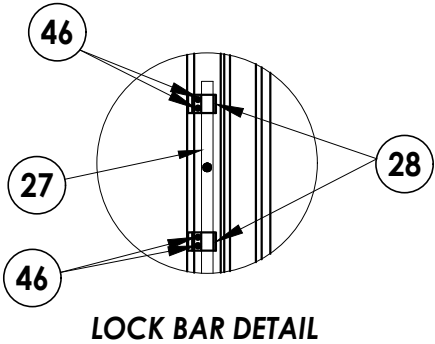
HINGE JAMB

LOCK JAMB
LOCKING POINTS (5)

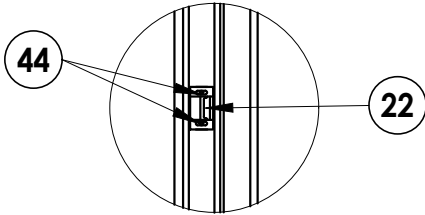
BUTT HINGES w/ MULTIPOINT LOCKING BAR



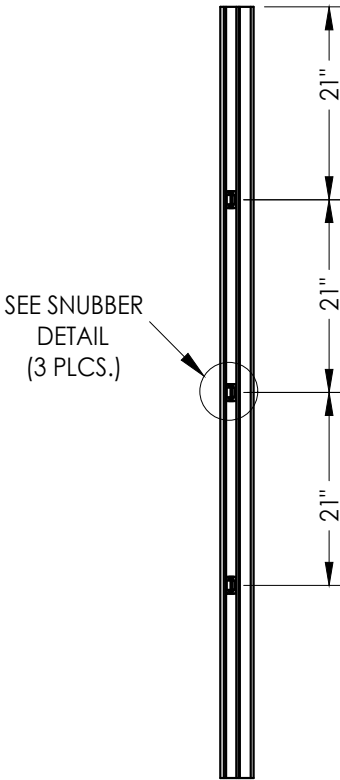
HINGE DETAIL



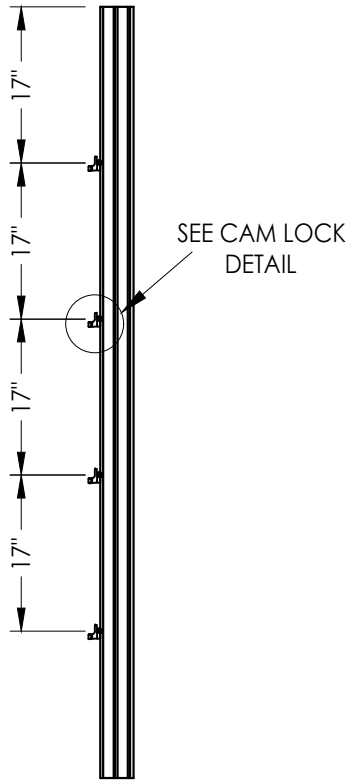
LOCK BAR DETAIL



SNUBBER DETAIL



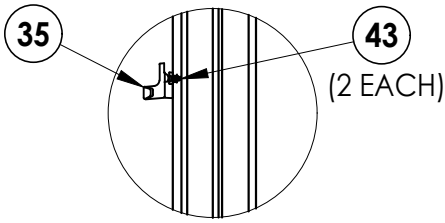
SNUBBERS JAMB



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.



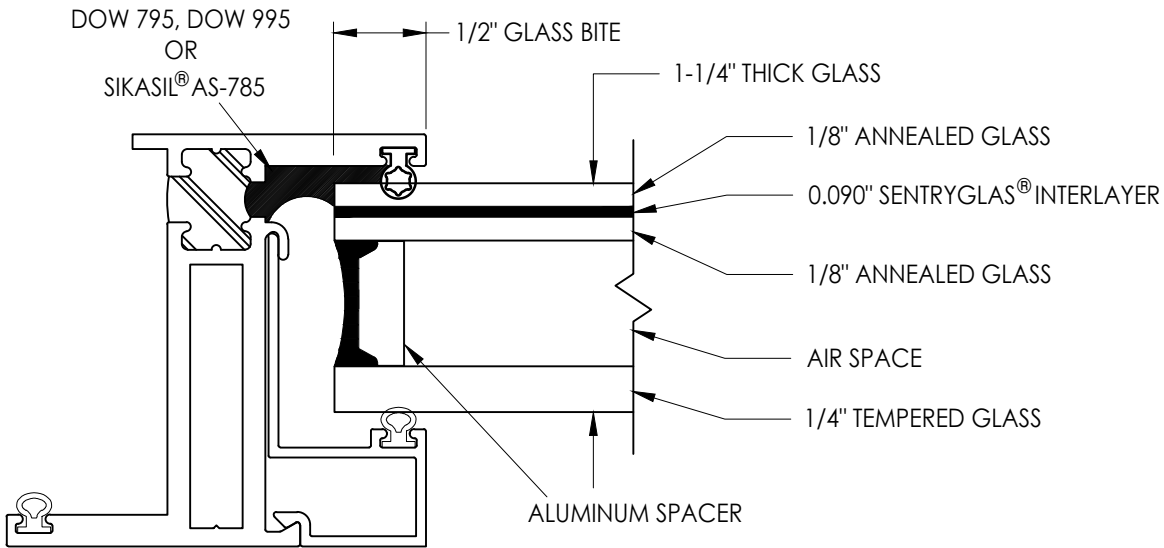
CAM LOCK DETAIL

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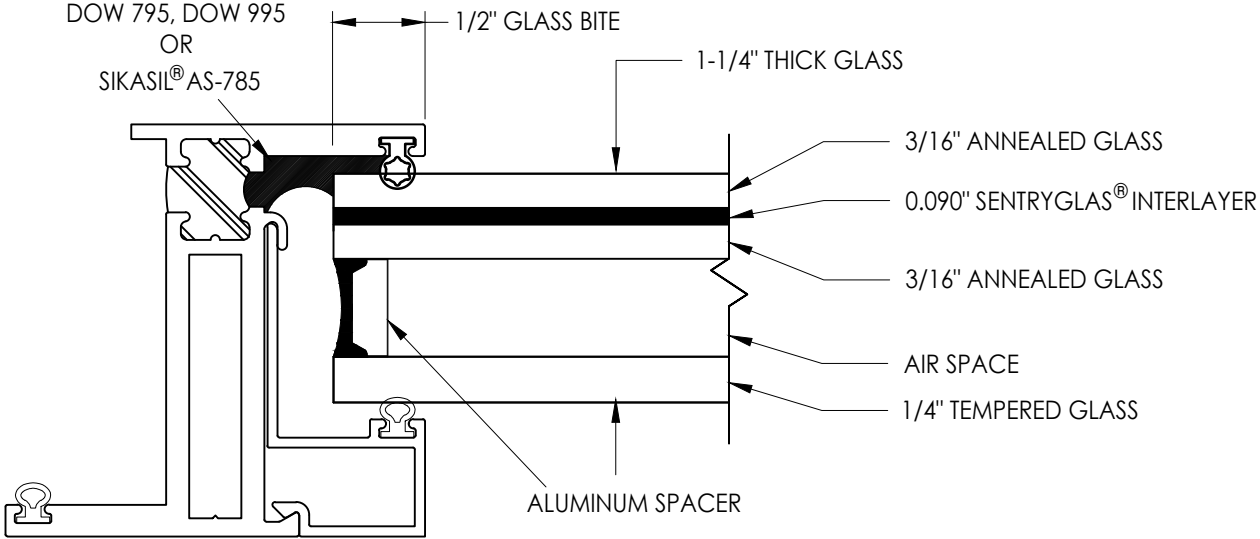
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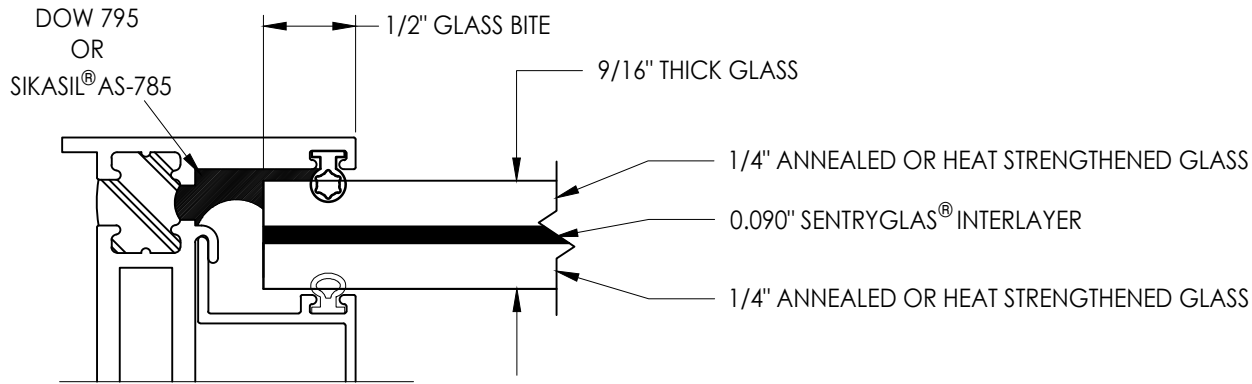
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G1 GLAZING DETAIL

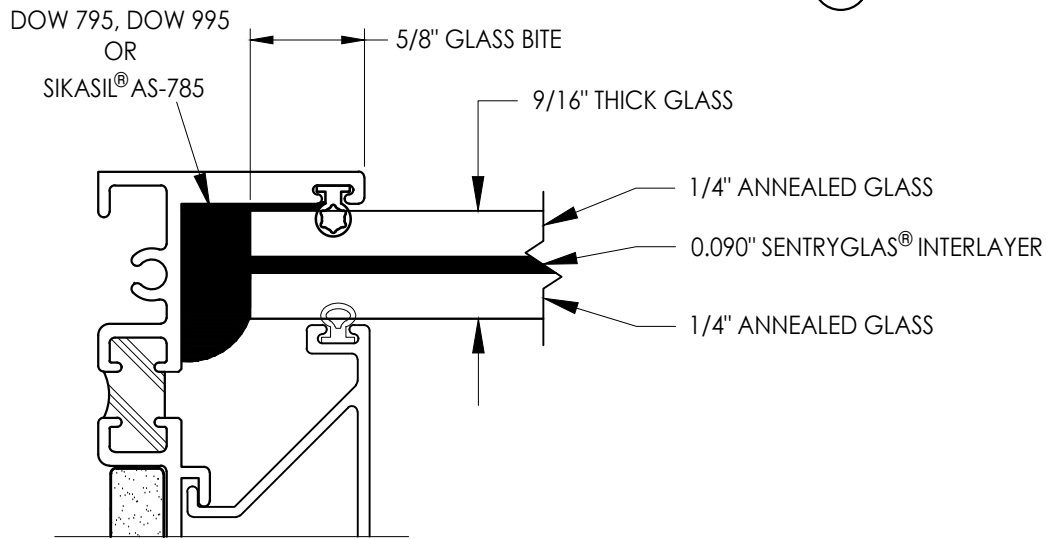


G2 GLAZING DETAIL

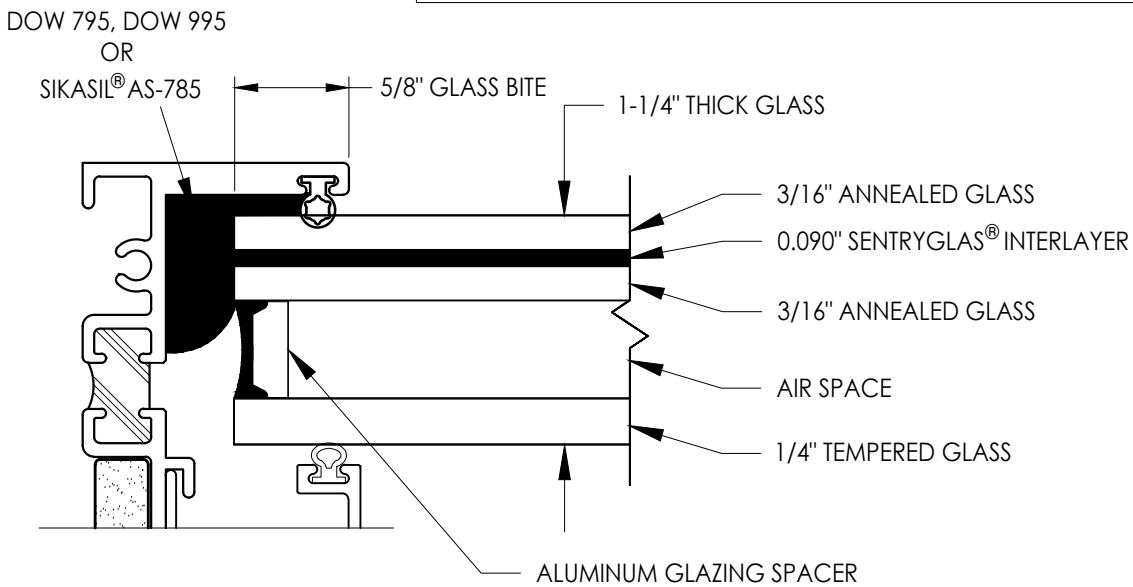


G3 GLAZING DETAIL

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



G4 GLAZING DETAIL



G5 GLAZING DETAIL

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PART OR ASSEMBLY:
GLAZING DETAILS

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

REVISIONS

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

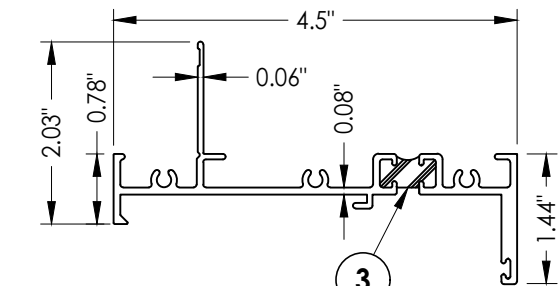
CHK. BY: RW

DRAWING NO.:

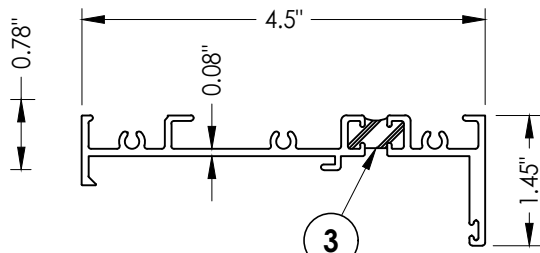
FL-14904.13

SHEET 8 OF 9

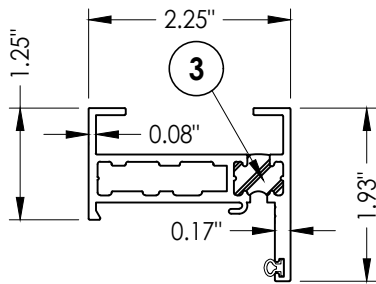
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH 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
6	MULLION	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
11	#8 X 1-1/2" PFH SMS	STEEL
12	SHEAR BLOCK	6061-T6 ALUM
13	CORNER KEY	6063-T6 ALUM
14	INSERT STOP	6063-T6 ALUM
15	GLASS STOP (1-1/4") FIXED PANEL	6063-T6 ALUM
16	GLASS STOP (9/16") FIXED PANEL	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 (SANTOPRENE - 86 DUROMETER) - TREMCO	-
57	PIVOT SHIM	-



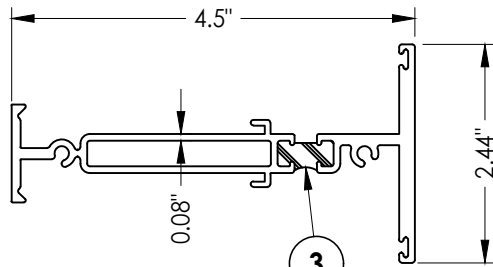
1 FIN BLOCK FRAME



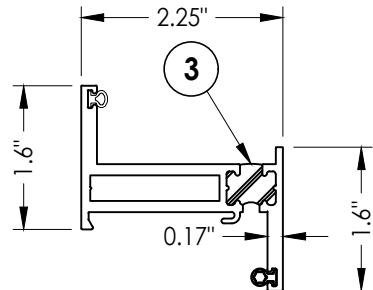
2 BLOCK FRAME



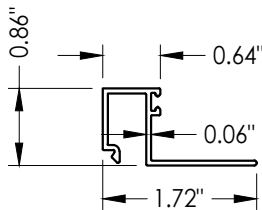
5 BLOCK FRAME



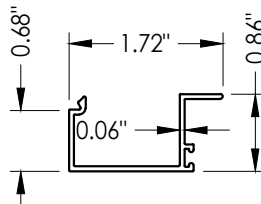
6 MULLION



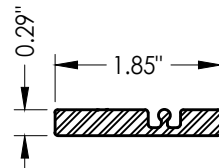
7 ZEE BAR (PANEL)



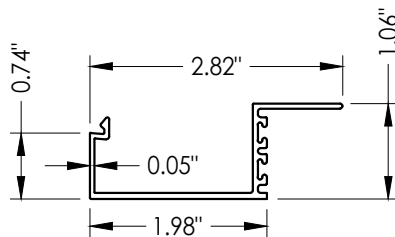
8 GLASS STOP 1-1/4" OPERABLE PANEL



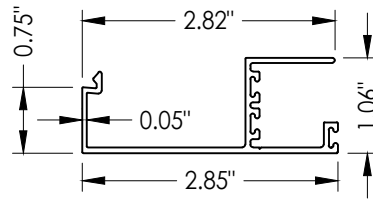
10 GLASS STOP 9/16" OPERABLE PANEL



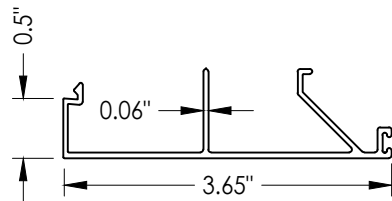
12 SHEAR BLOCK



14 INSERT STOP



15 GLASS STOP 1-1/4" FIXED PANEL



16 GLASS STOP 9/16" FIXED PANEL

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

PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
BILL OF MATERIALS
AND COMPONENTS

NO.	DATE	REVISIONS	LFS	BY
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-14904.13
SHEET	9 OF 9