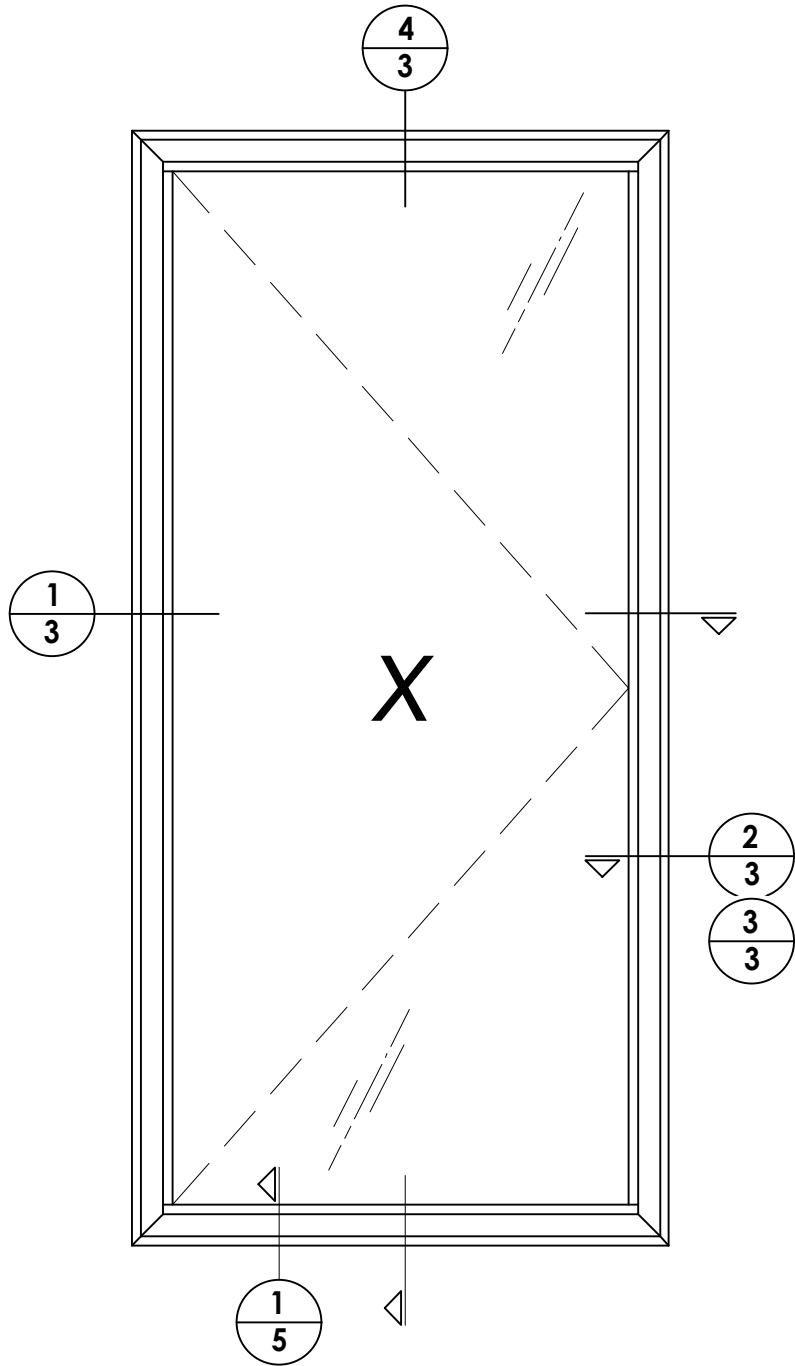
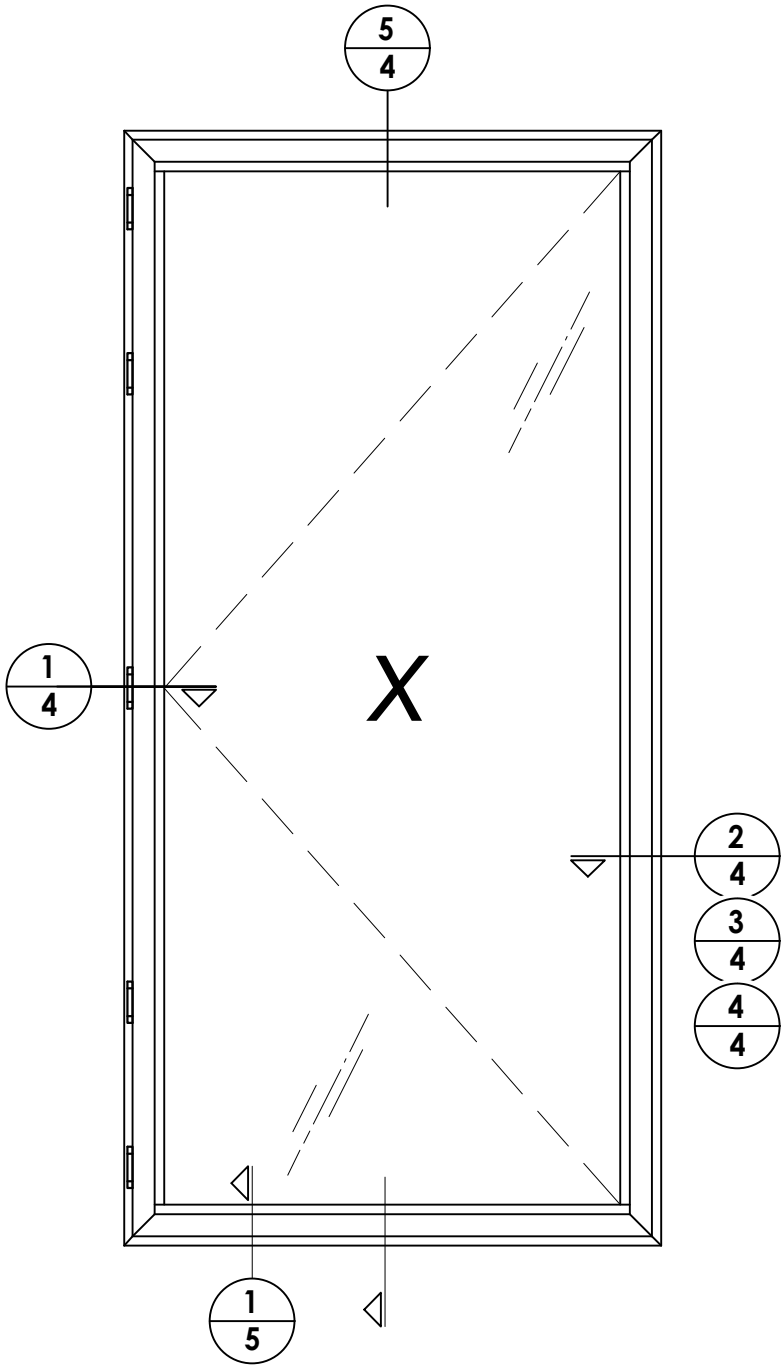




4-BAR HINGE



BUTT HINGE

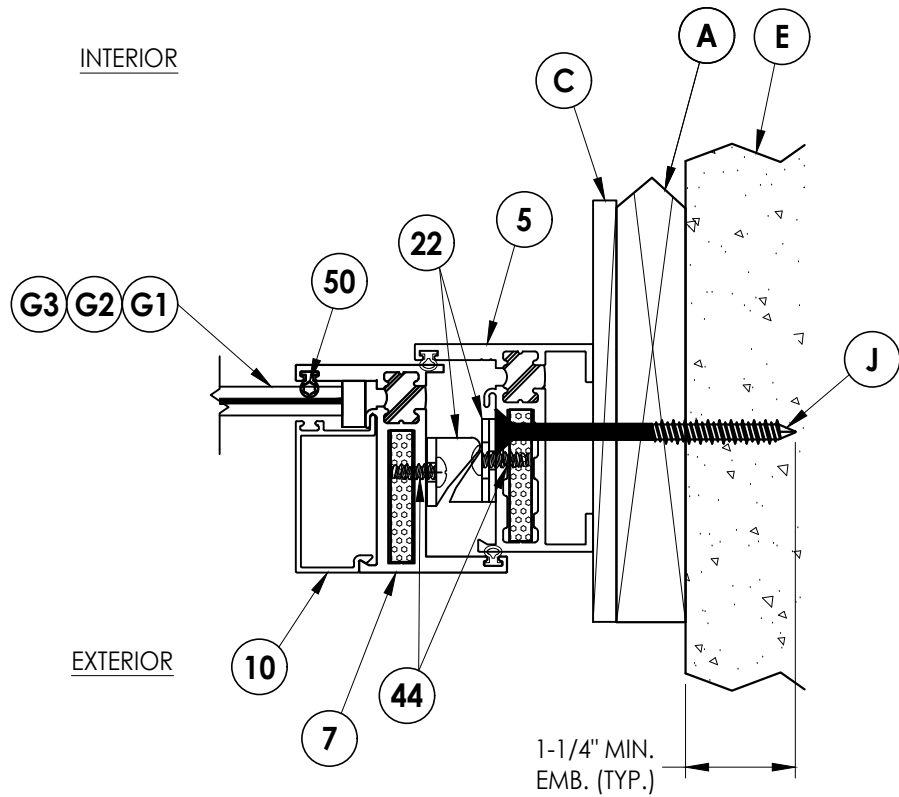
DATE:	12/01/21
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-14904.14
SHEET	2 OF 9

REVISIONS			
NO.	DATE		BY
2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	7/12/23	UPDATE TO 8TH ED. (2023)	FBC LFS

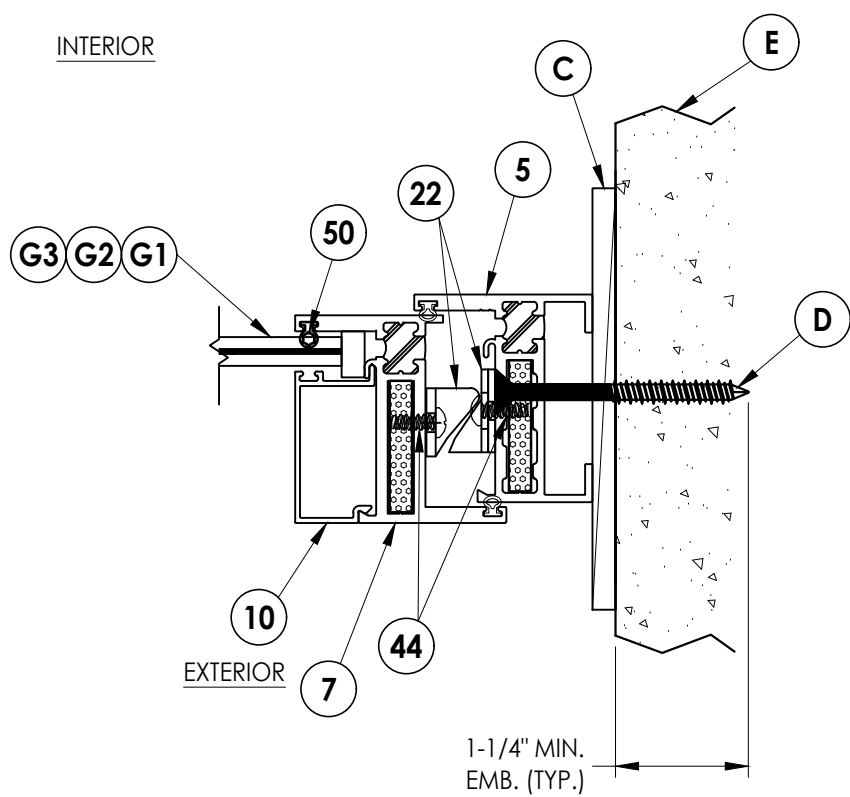
PRODUCT:	FLEETWOOD WINDOWS & DOORS
PART OR ASSEMBLY:	ELEVATIONS

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
---	--

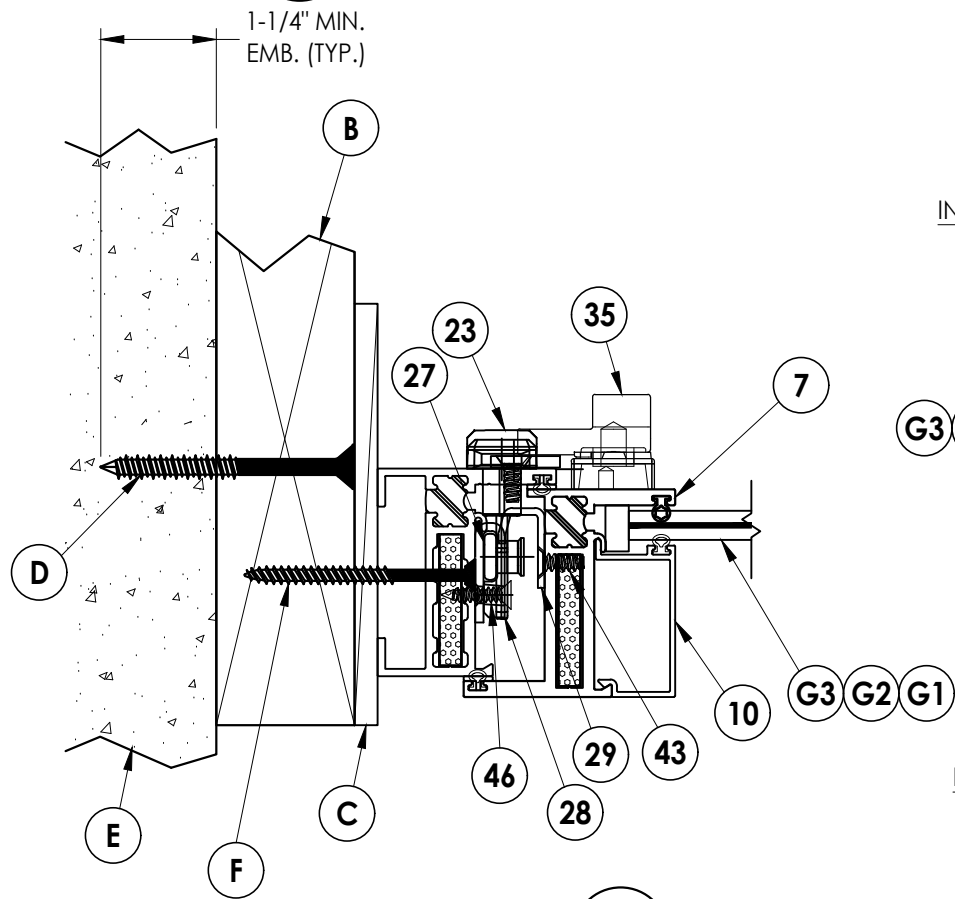
Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.14.dwg



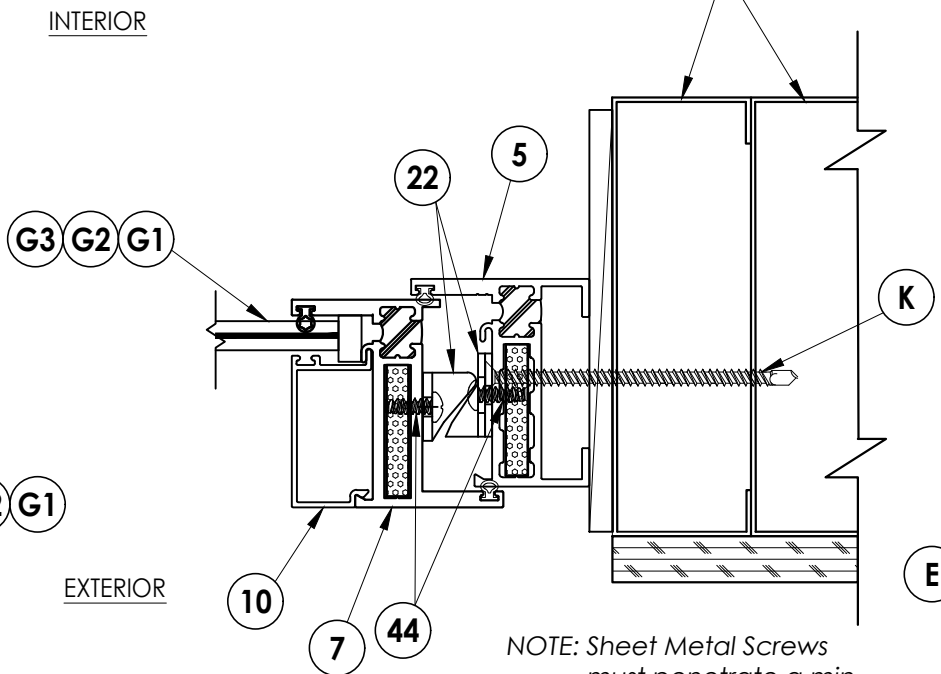
2 **HORIZONTAL CROSS SECTION**
3 Shown w/ 1X Sub buck option



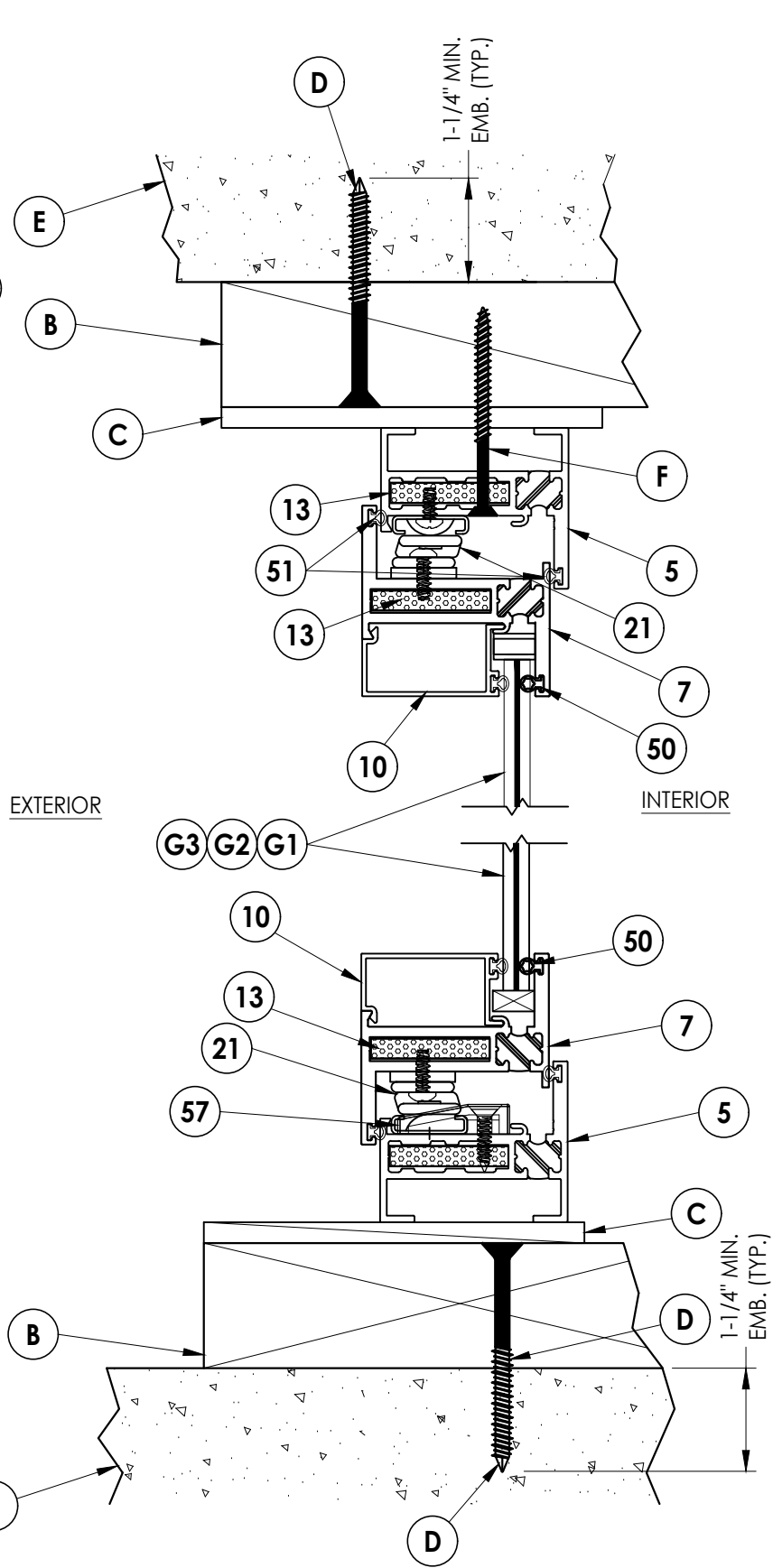
3 **HORIZONTAL CROSS SECTION**
3 Shown w/ Direct to Masonry option



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

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

PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

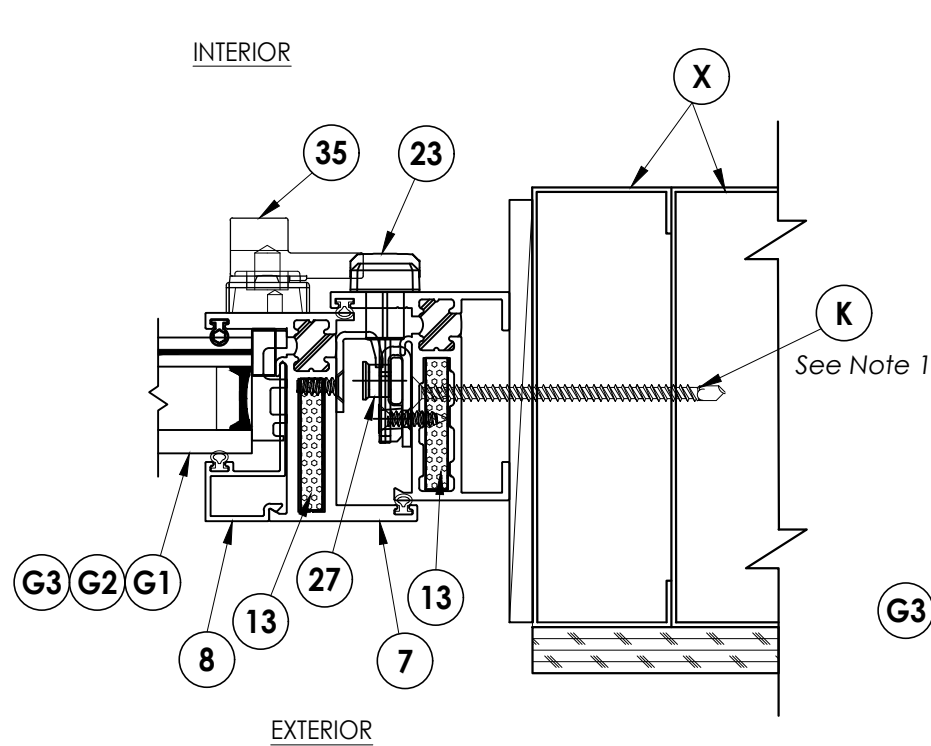
DATE: 12/01/21
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-14904.14
SHEET 3 OF 9

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

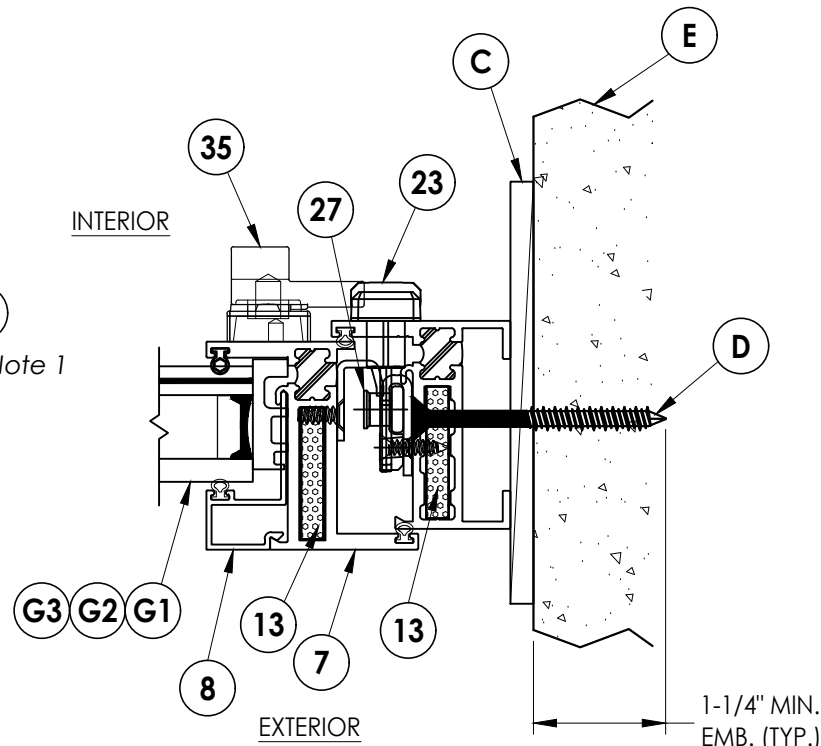
RW

© 2021 R.W. BUILDING CONSULTANTS INC.

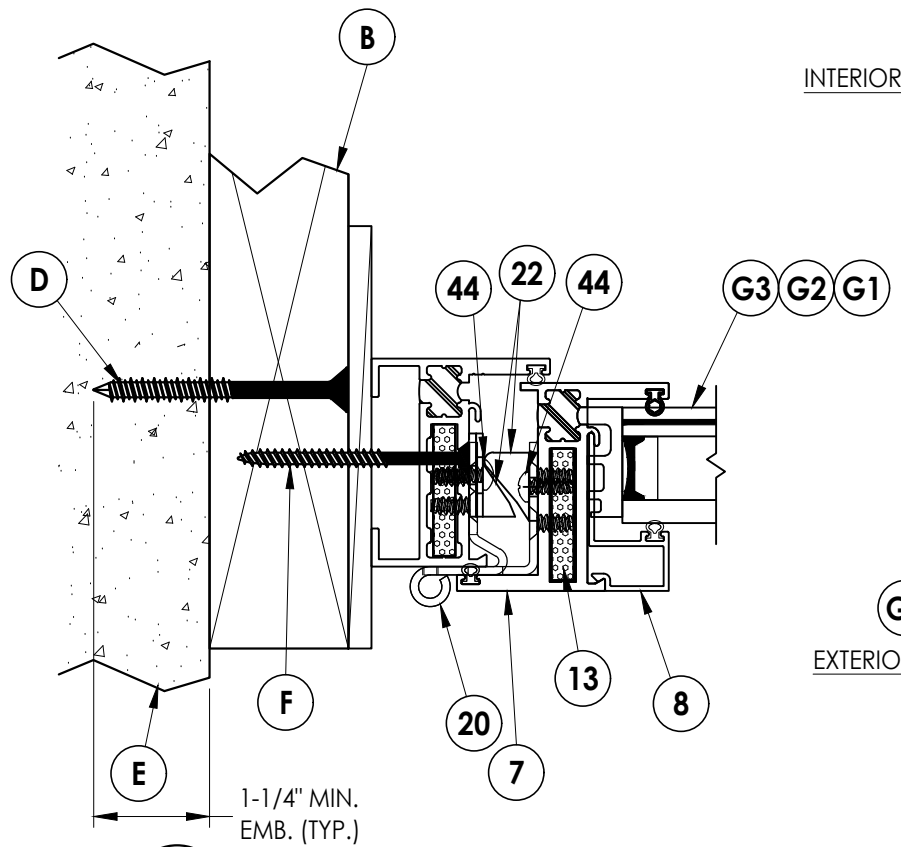
Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.14.dwg



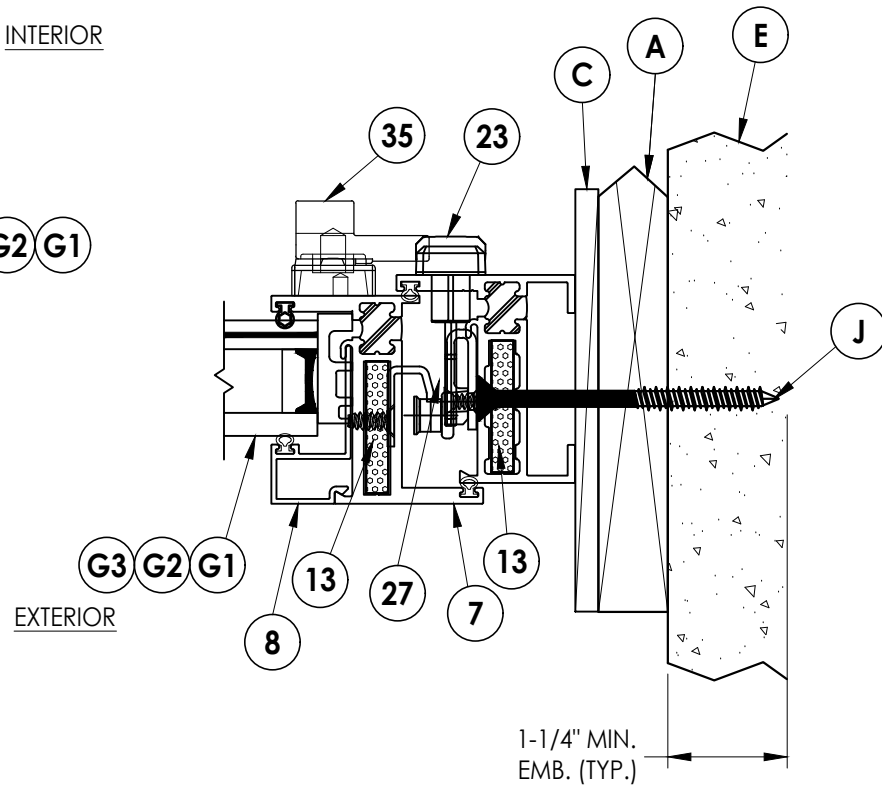
3 **HORIZONTAL CROSS SECTION**
4 Shown w/ Steel Stud option



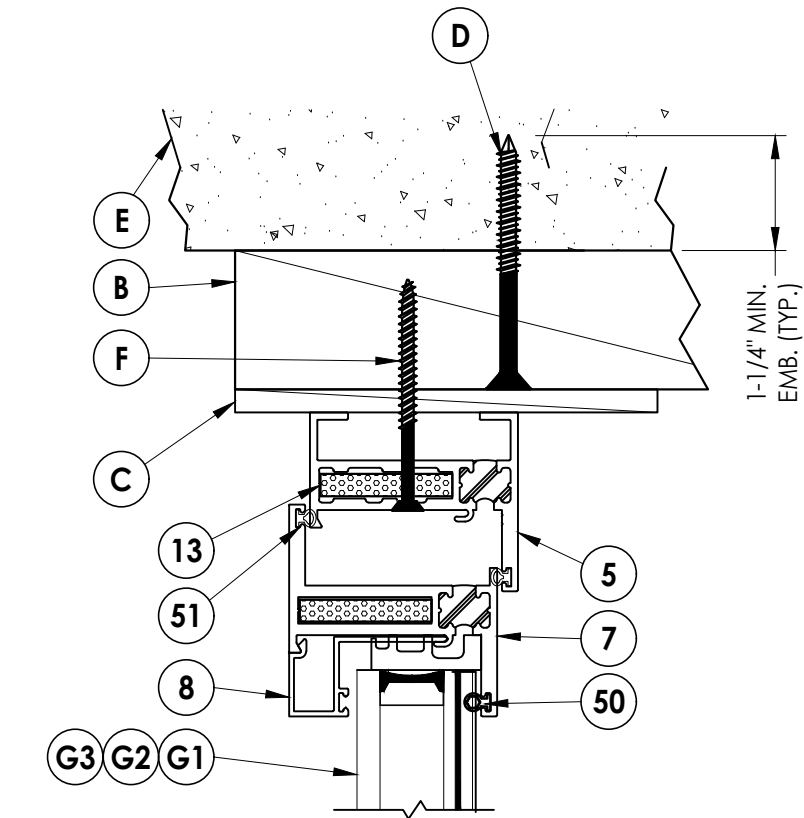
4 **HORIZONTAL CROSS SECTION**
4 Shown w/ Direct to Masonry option



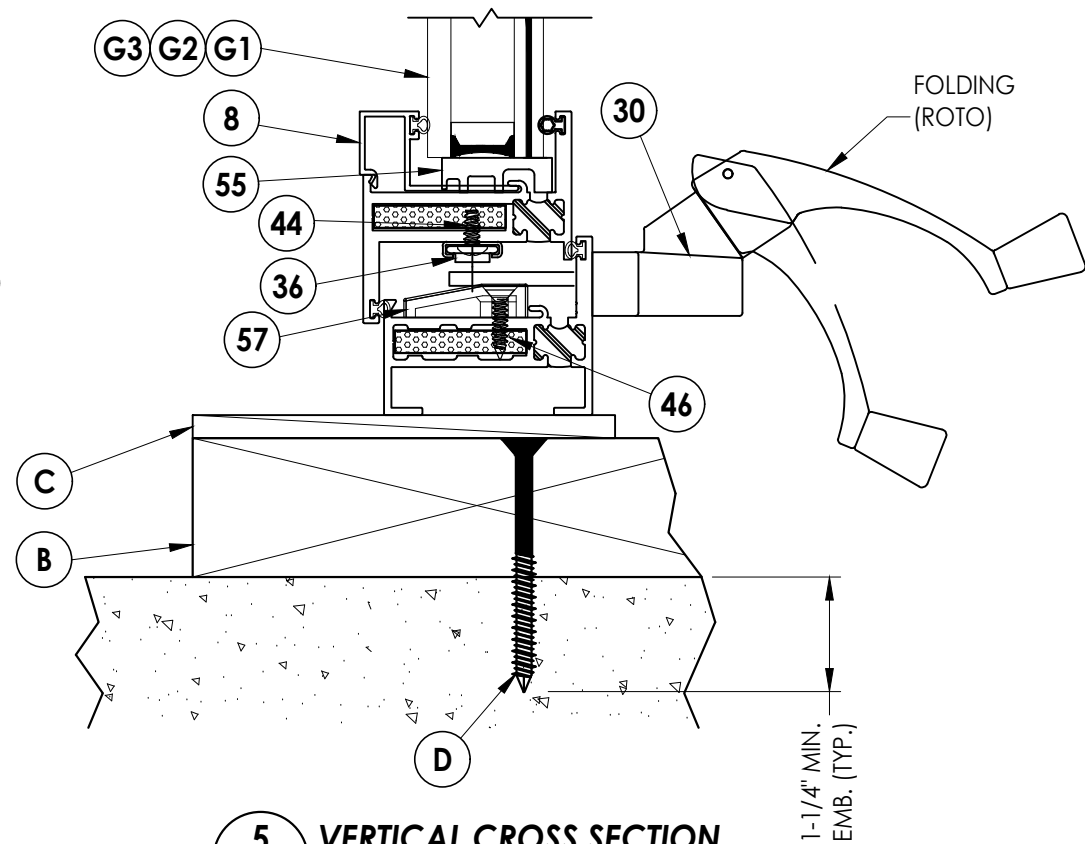
1 **HORIZONTAL CROSS SECTION**
4 Shown w/ 2X Buck Construction



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

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:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
1	7/12/23	UPDATE TO 8TH ED. (2023) FBC LFS

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

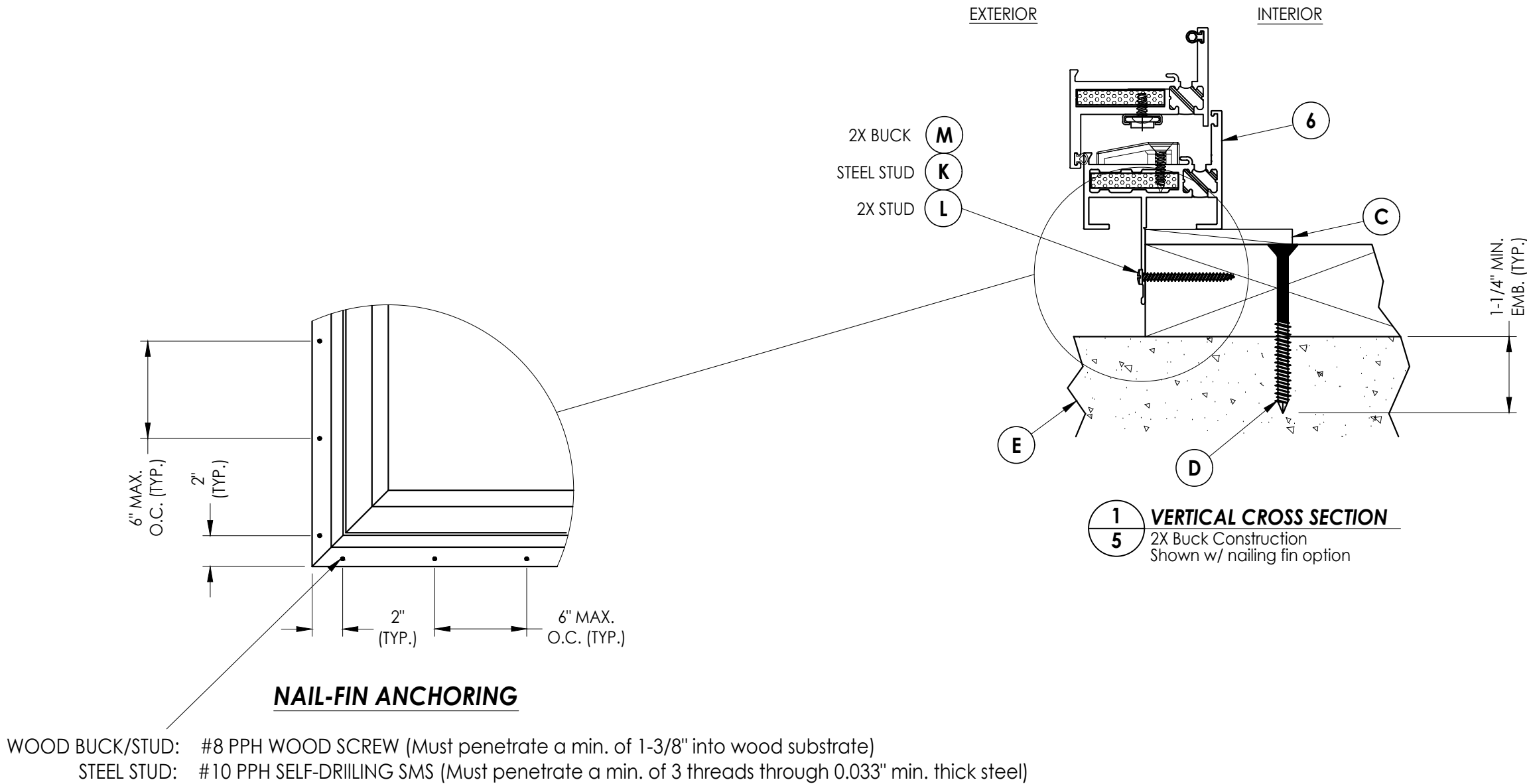
CHK. BY: RW

DRAWING NO.:

FL-14904.14

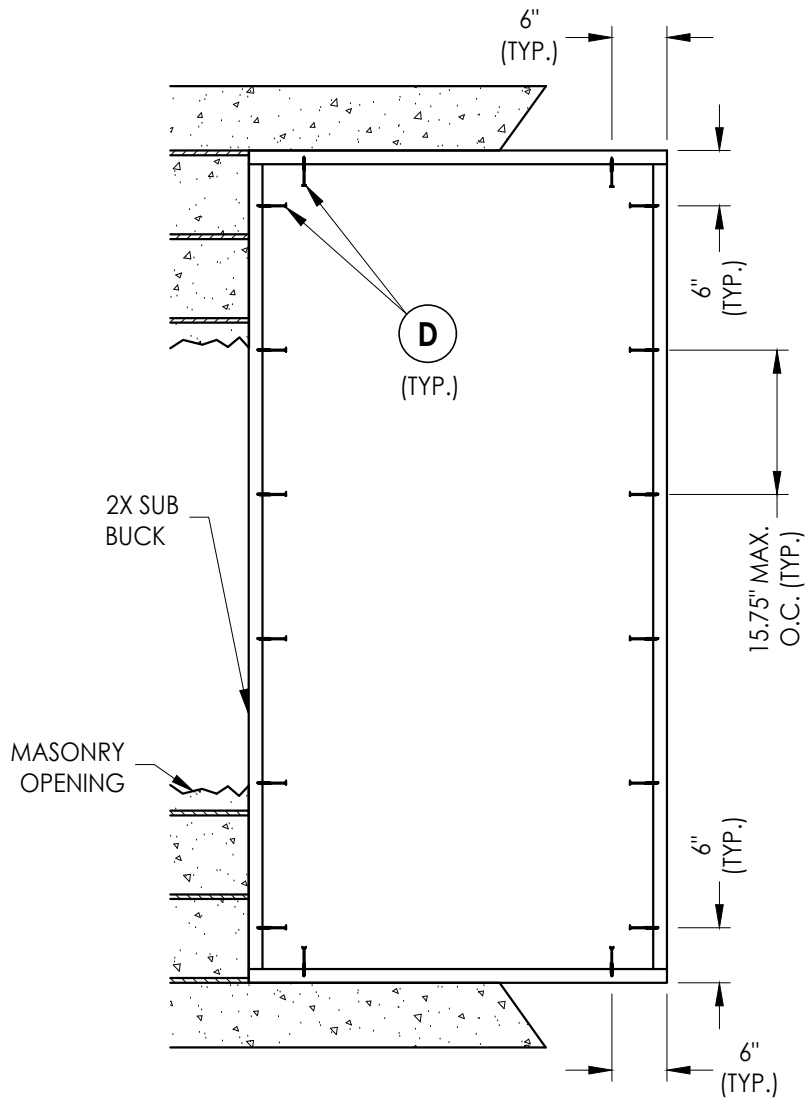
SHEET 4 OF 9

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.14.dwg

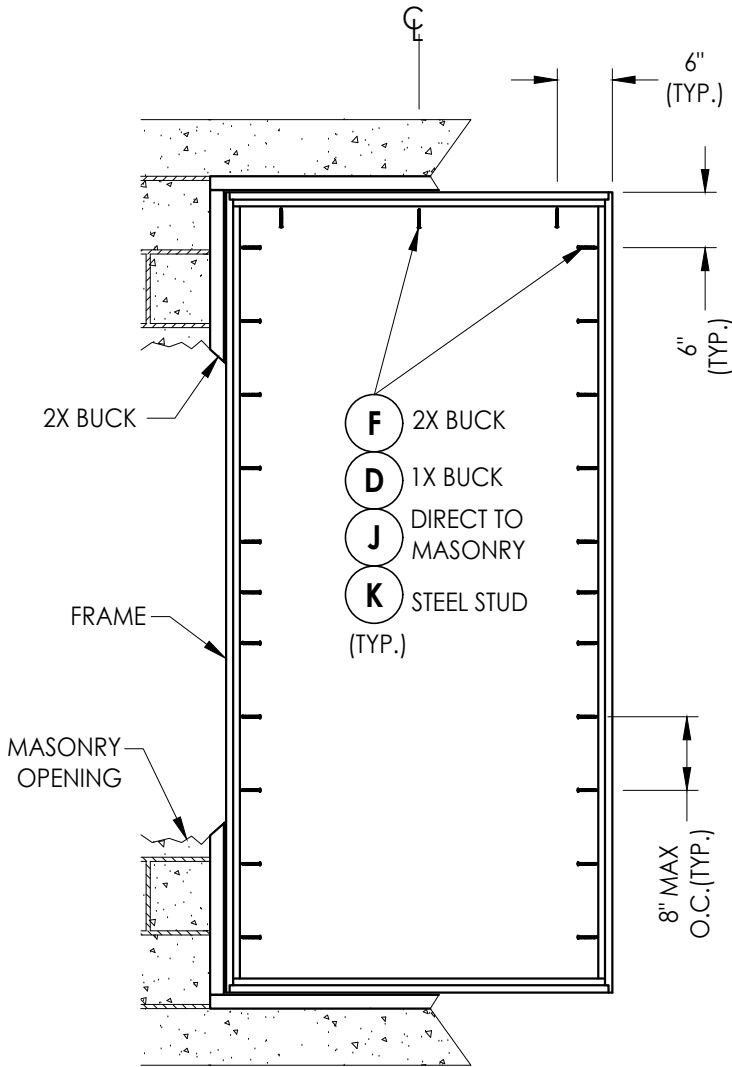


PRODUCT:				FLEETWOOD WINDOWS & DOORS				Documents Prepared By:			
								Lyndon F. Schmidt			
								P.E. No. 43409			
								RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
								PART OR ASSEMBLY:			
								VERTICAL			
								CROSS SECTION			
								REVISIONS			
								DATE: 12/01/21			
								SCALE: N.T.S.			
								DWG. BY: LFS			
								CHK. BY: RW			
								DRAWING NO.:			
								FL-14904.14			
								SHEET 5 OF 9			

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.14.dwg



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 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.

Documents Prepared By:
Lyndon F. Schmidt
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:
BUCK & FRAME
ANCHORING

NO.	DATE	REVISIONS
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC
1	7/12/23	UPDATE TO 8TH ED. (2023) FBC
		BY

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

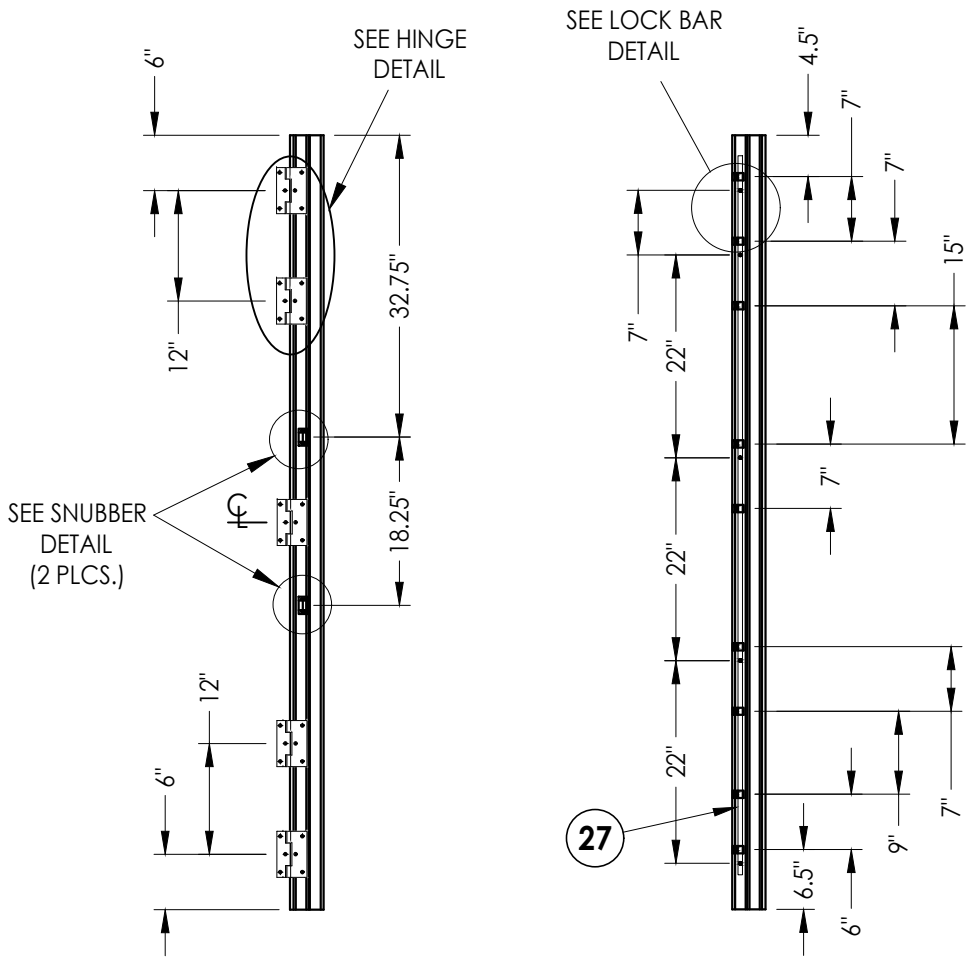
CHK. BY: RW

DRAWING NO.:

FL-14904.14

SHEET 6 OF 9

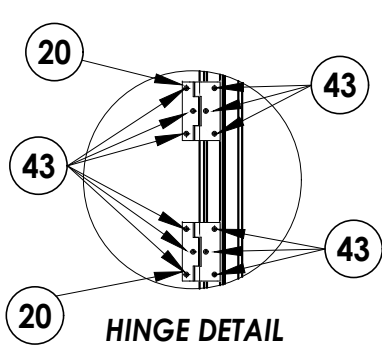
Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.14.dwg



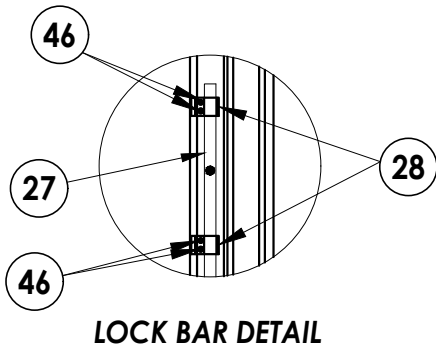
HINGE JAMB

LOCK JAMB
LOCKING POINTS (5)

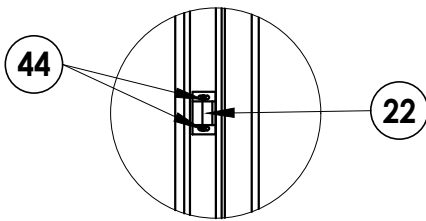
BUTT HINGES w/ MULTIPOINT LOCKING BAR



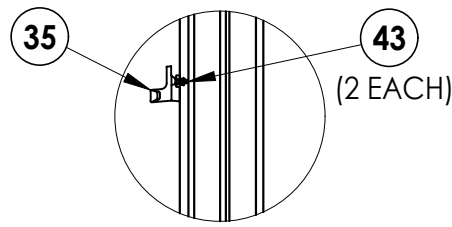
HINGE DETAIL



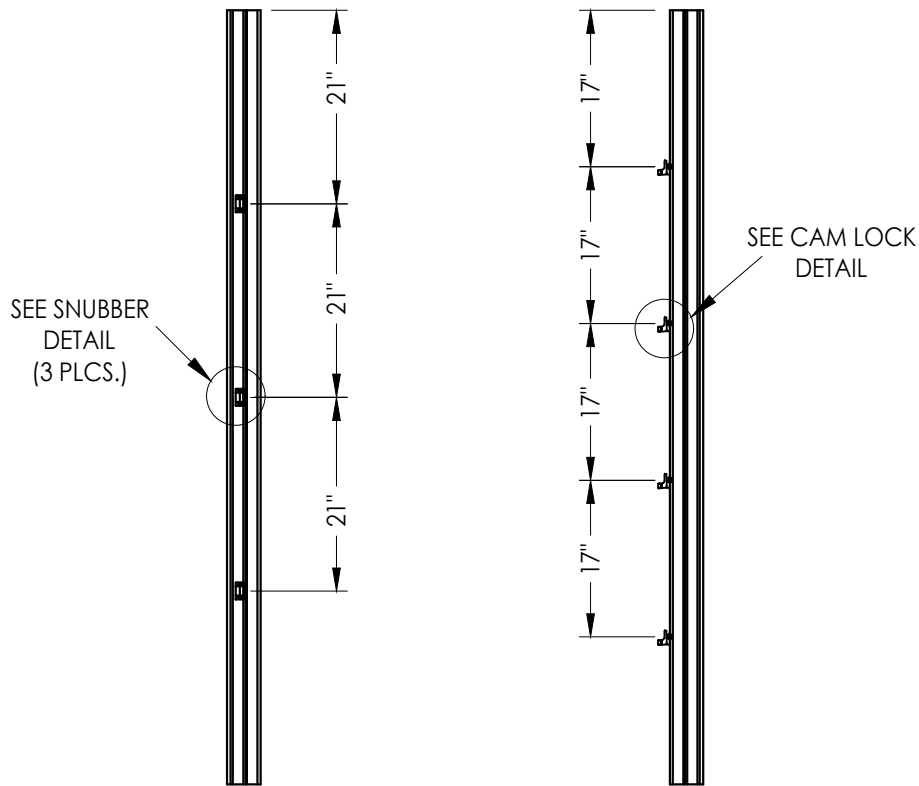
LOCK BAR DETAIL



SNUBBER DETAIL



CAM LOCK 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.

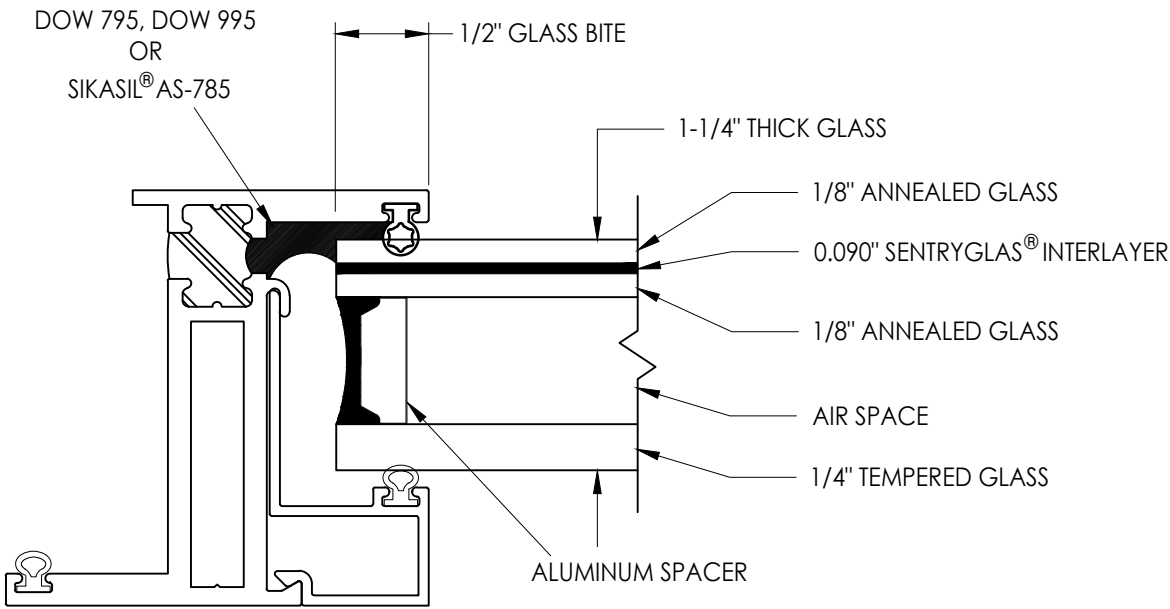
DATE: 12/01/21	
SCALE: N.T.S.	
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.: FL-14904.14	
SHEET	7 OF 9

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

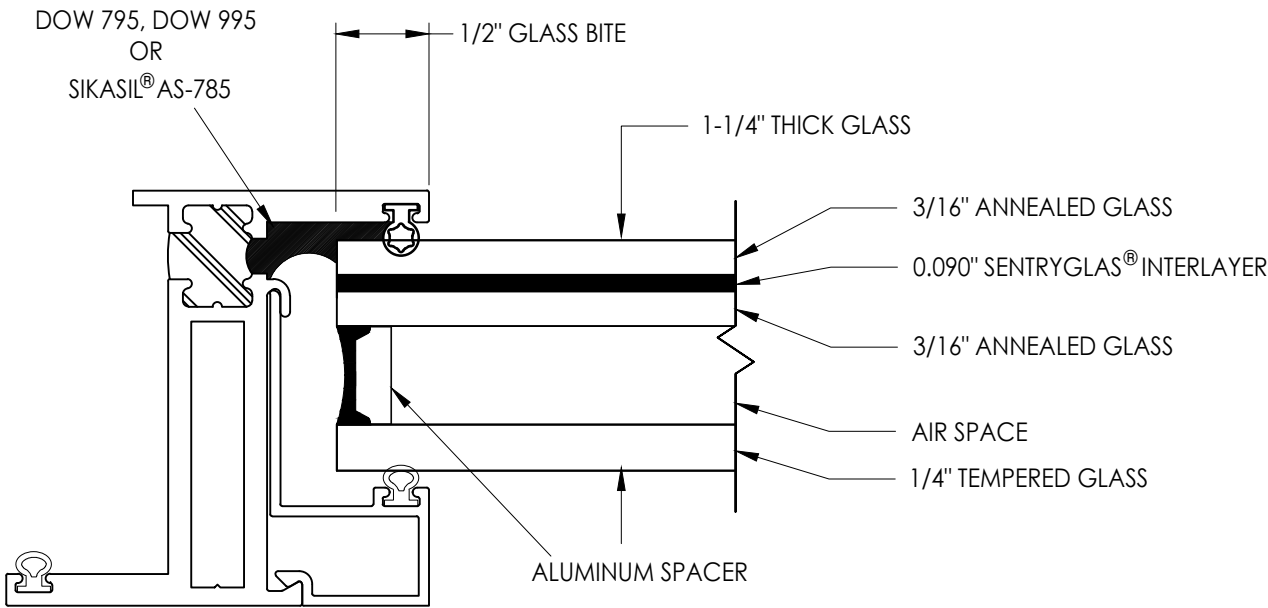
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

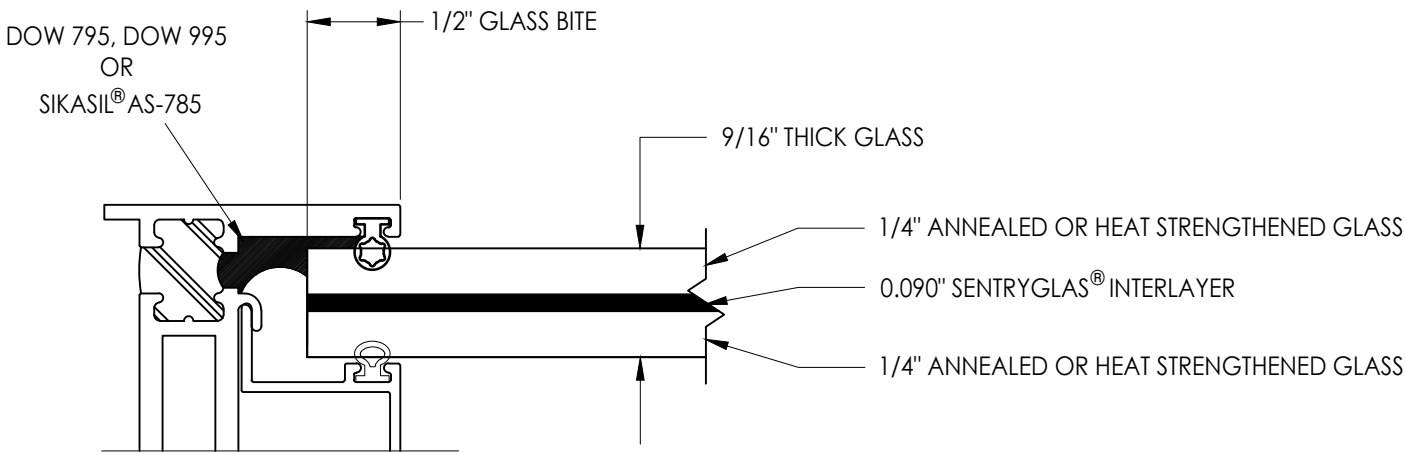
Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.14.dwg



G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL

Documents Prepared By:
Lyndon F. Schmidt
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

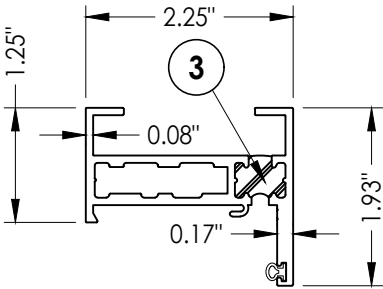
PART OR ASSEMBLY:
GLAZING DETAILS

NO.	DATE	REVISIONS
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
1	7/12/23	UPDATE TO 8TH ED. (2023) FBC LFS

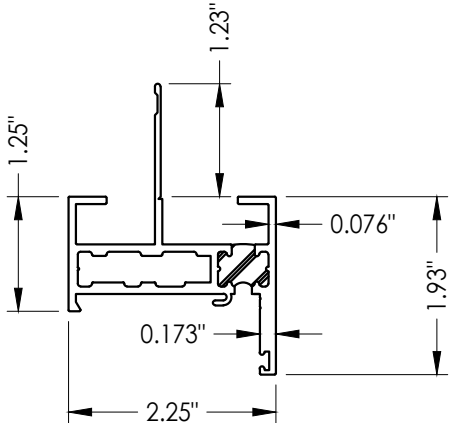
DATE: 12/01/21
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-14904.14
SHEET 8 OF 9

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.14.dwg

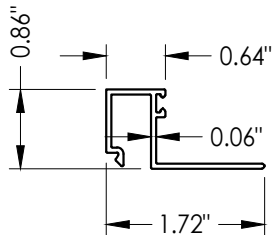
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2"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



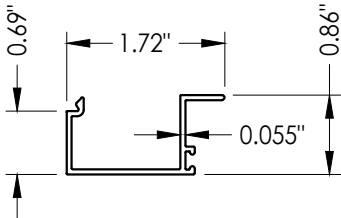
5 BLOCK FRAME



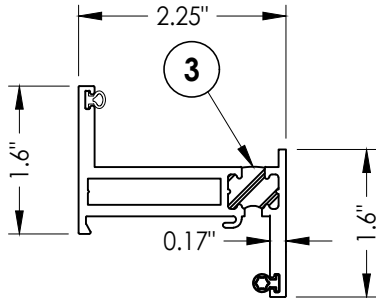
6 FIN BLOCK FRAME



8 GLASS STOP 1-1/4"



10 GLASS STOP 9/16"



7 ZEE BAR (PANEL)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: FLEETWOOD WINDOWS & DOORS				PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS			
				LFS	FBC		
				LFS	FBC		
				BY			
				REVISIONS			
				2	7/02/26	UPDATE TO 9TH ED. (2026)	
				1	7/12/23	UPDATE TO 8TH ED. (2023)	
				NO.	DATE		
DATE: 12/01/21							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-14904.14							
SHEET 9 OF 9							