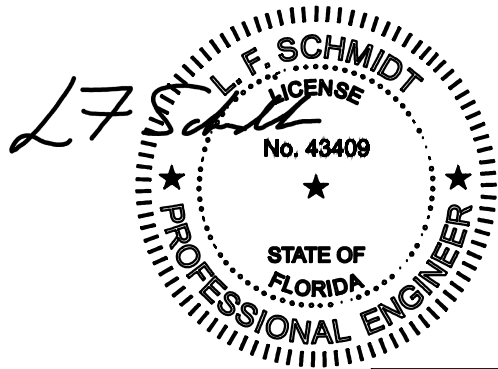




Digitally signed
by Lyndon F
Schmidt
Date: 2026.07.06
11:30:21 -04'00'

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

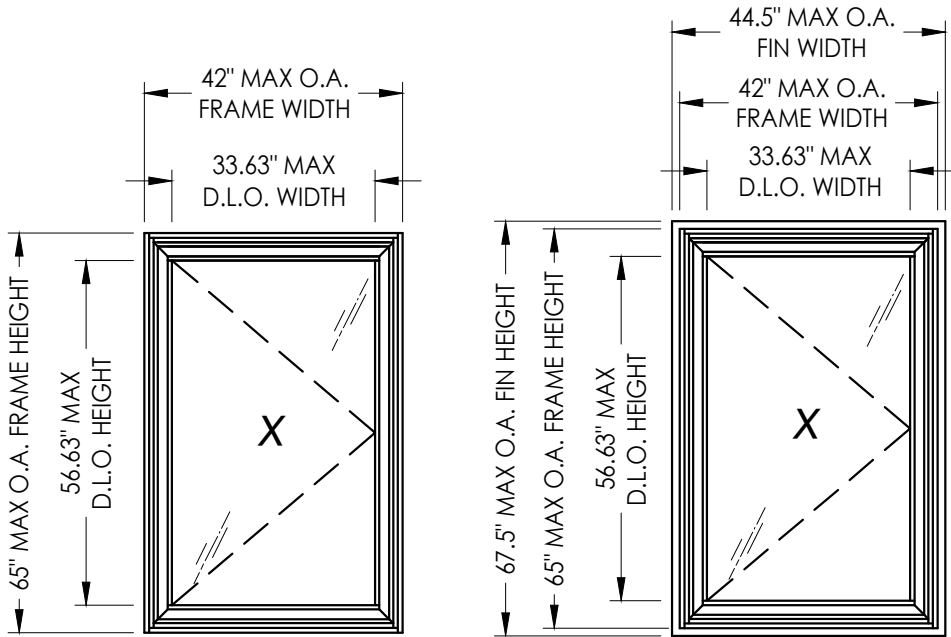
Series 3800-T w/ Series 350-T Aluminum Casement Window w/ Thermal Break Frame "IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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.

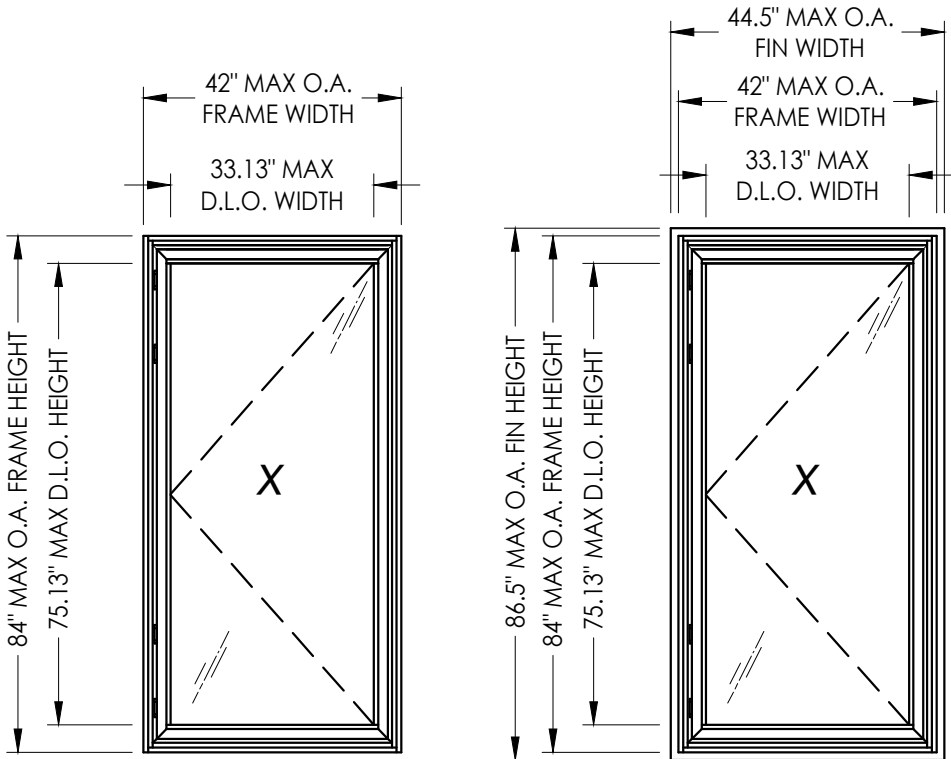
TABLE OF CONTENTS

SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Elevations
3	Horizontal and vertical cross sections
4	Horizontal and vertical cross sections
5	Vertical cross section
6	Buck and frame anchoring
7	Buck and frame anchoring
8	Glazing detail
9	Bill of materials and components



FRAME MOUNT

FIN MOUNT



FRAME MOUNT

FIN MOUNT

OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
44.5" X 67.5"	42" X 65"	33.63" X 56.63"	G1, G2, G3, G4, G5	+65.0	-65.0
44.5" X 86.5"	42" X 84"	33.13" X 75.13"	G1, G2, G3, G4, G5	+65.0	-65.0

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

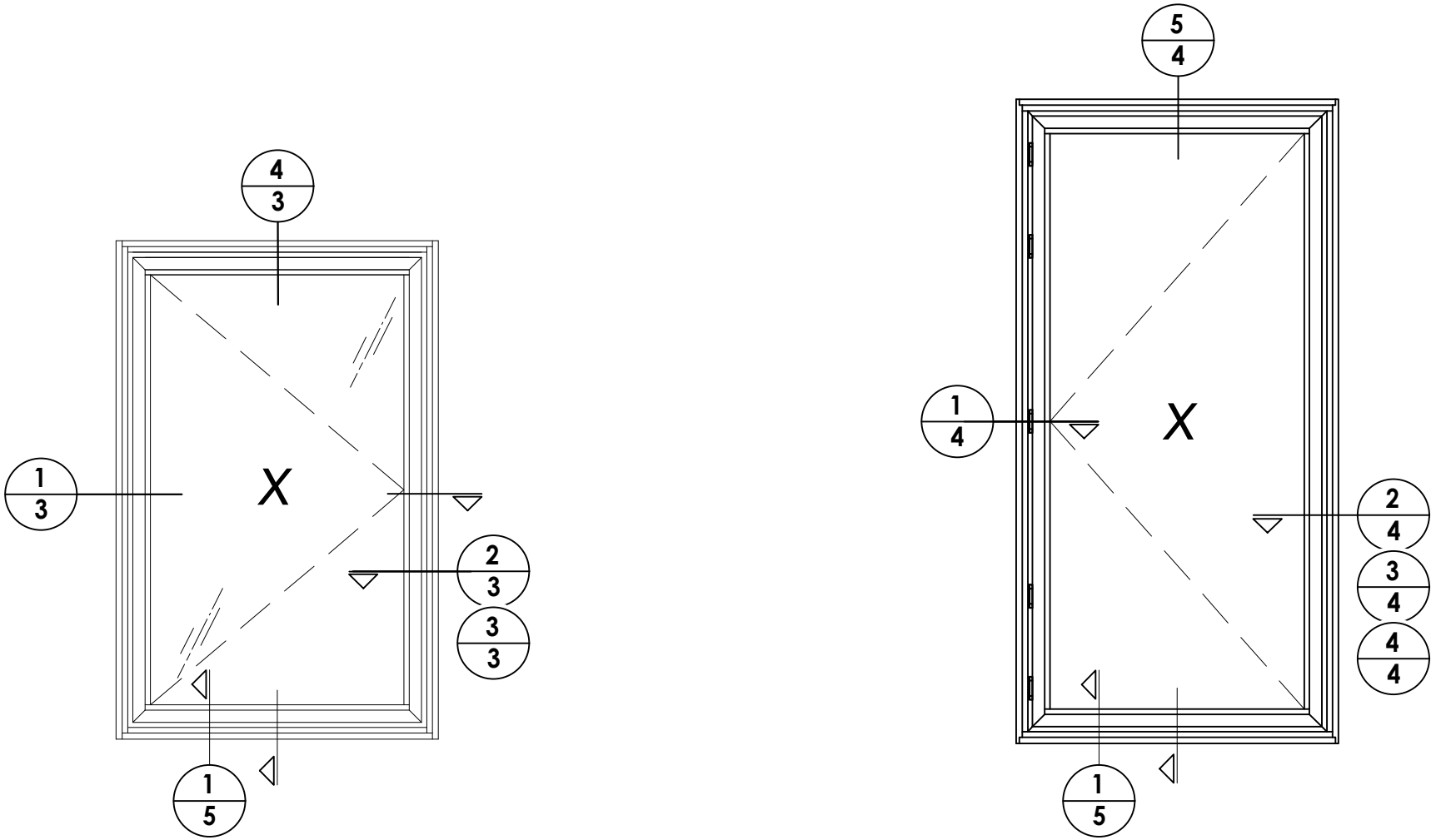
PRODUCT:
FLEETWOOD WINDOWS AND DOORS

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

NO.	DATE	REVISIONS
7	7/02/26	UPDATE TO 9TH ED. (2026) FBC
6	7/12/23	UPDATE TO 8TH ED. (2023) FBC
5	12/7/21	SERIES NAME CHANGE
4	8/06/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 10/23/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-14904.3
SHEET 1 OF 9

Z:\2023 EBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904 1-6.dwg



HARDWARE TABLE			
HINGE			
Qty.	Description	Height	Snubbers
5	Butt hinge	≤ 84"	Not Req'd
4	Butt hinge	≤ 84"	Yes (2)
2	Butt hinge	≤ 50"	Yes (2)
2	4 Bar hinge	≤ 65"	Yes (3)
HANDLES			
Points	Description	Height	*Cam locks can be used in conjunction with multipoint lock or in lieu of multipoint locks
4	Multipoint	> 72"	
3	Multipoint	≤ 72"	
Qty.			
3	Cam*	≤ 65"	
1	Cam*	≤ 50"	

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

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

PART OR ASSEMBLY:
ELEVATIONS

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY
7	7/02/26	UPDATE TO 9TH ED. (2026)	FBC
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC
5	12/7/21	SERIES NAME CHANGE	LFS
4	8/06/20	UPDATE TO 7TH ED. (2020)	FBC

DATE: 10/23/13

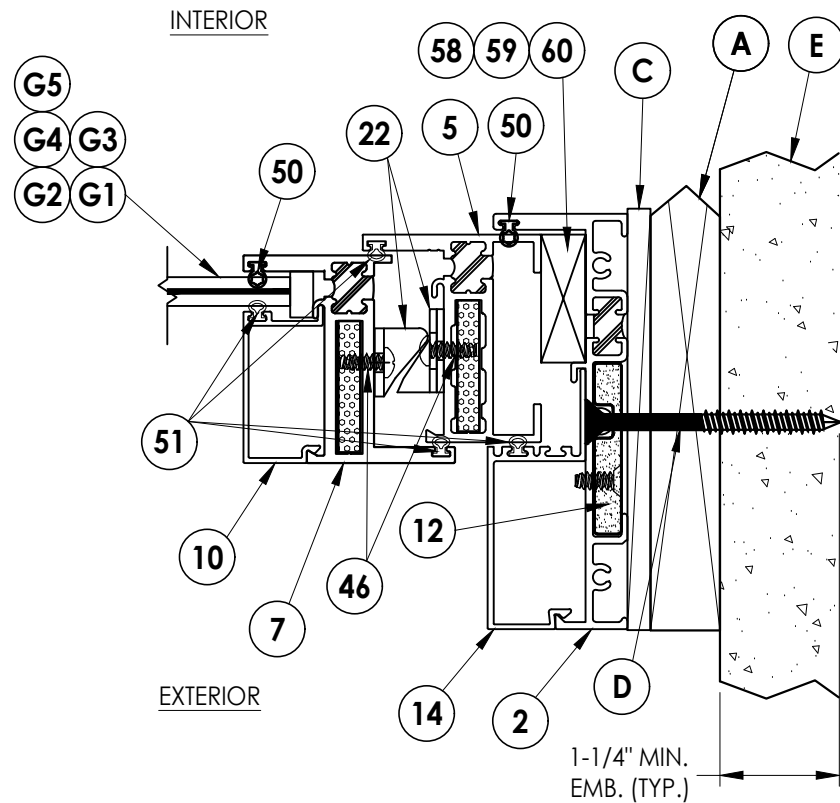
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14904.3

SHEET 2 OF 9



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

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

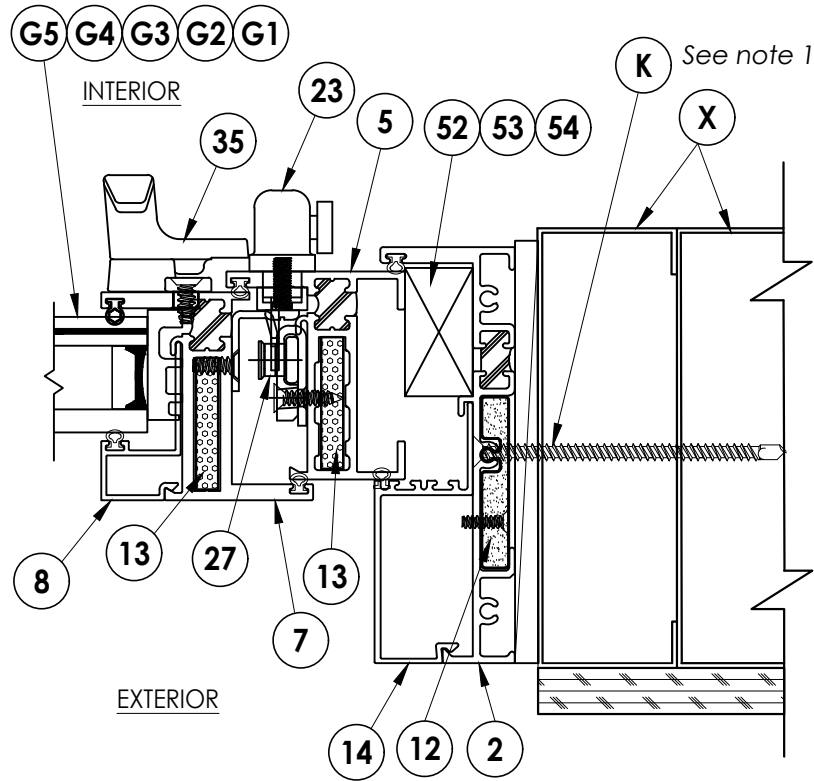
4 VERTICAL CROSS SECTION
3 Shown w/ 2X Buck Construction

1 **HORIZONTAL CROSS SECTION**

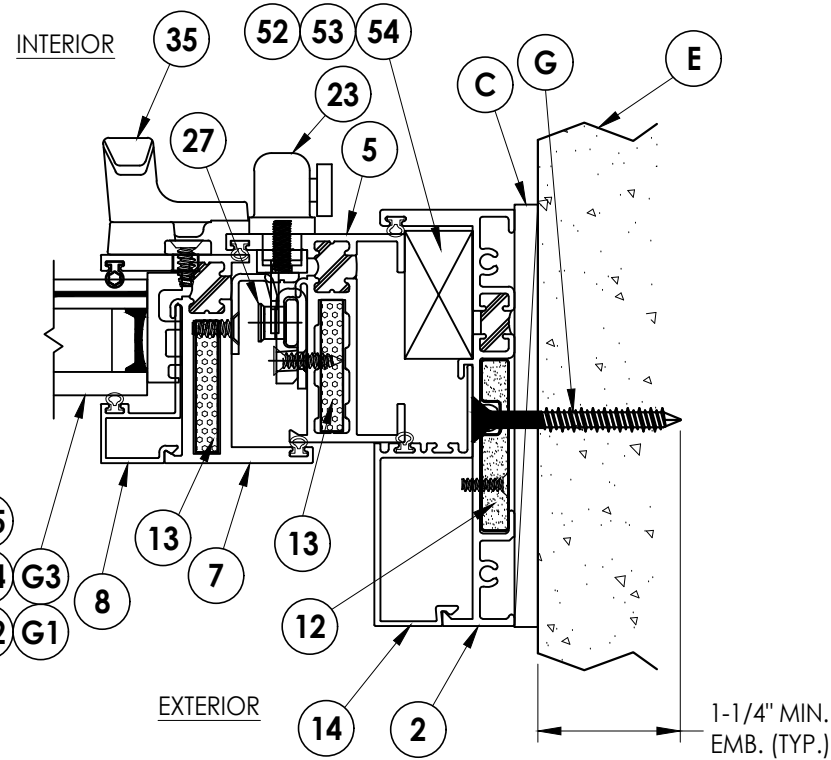
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.

DATE: 10/23/13						PRODUCT:		FLEETWOOD WINDOWS AND DOORS	
SCALE: N.T.S.									
DWG. BY: JK				7 7/02/26		UPDATE TO 9TH ED. (2026)		FBC LFS	
CHK. BY: LFS				6 7/12/23		UPDATE TO 8TH ED. (2023)		FBC LFS	
DRAWING NO.: FL-14904.3				5 12/7/21		SERIES NAME CHANGE		LFS	
SHEET 3 OF 9				4 8/06/20		UPDATE TO 7TH ED. (2020)		DAC	
				NO. DATE				BY	
								REVISIONS	
								HORIZONTAL AND VERTICAL CROSS SECTIONS	

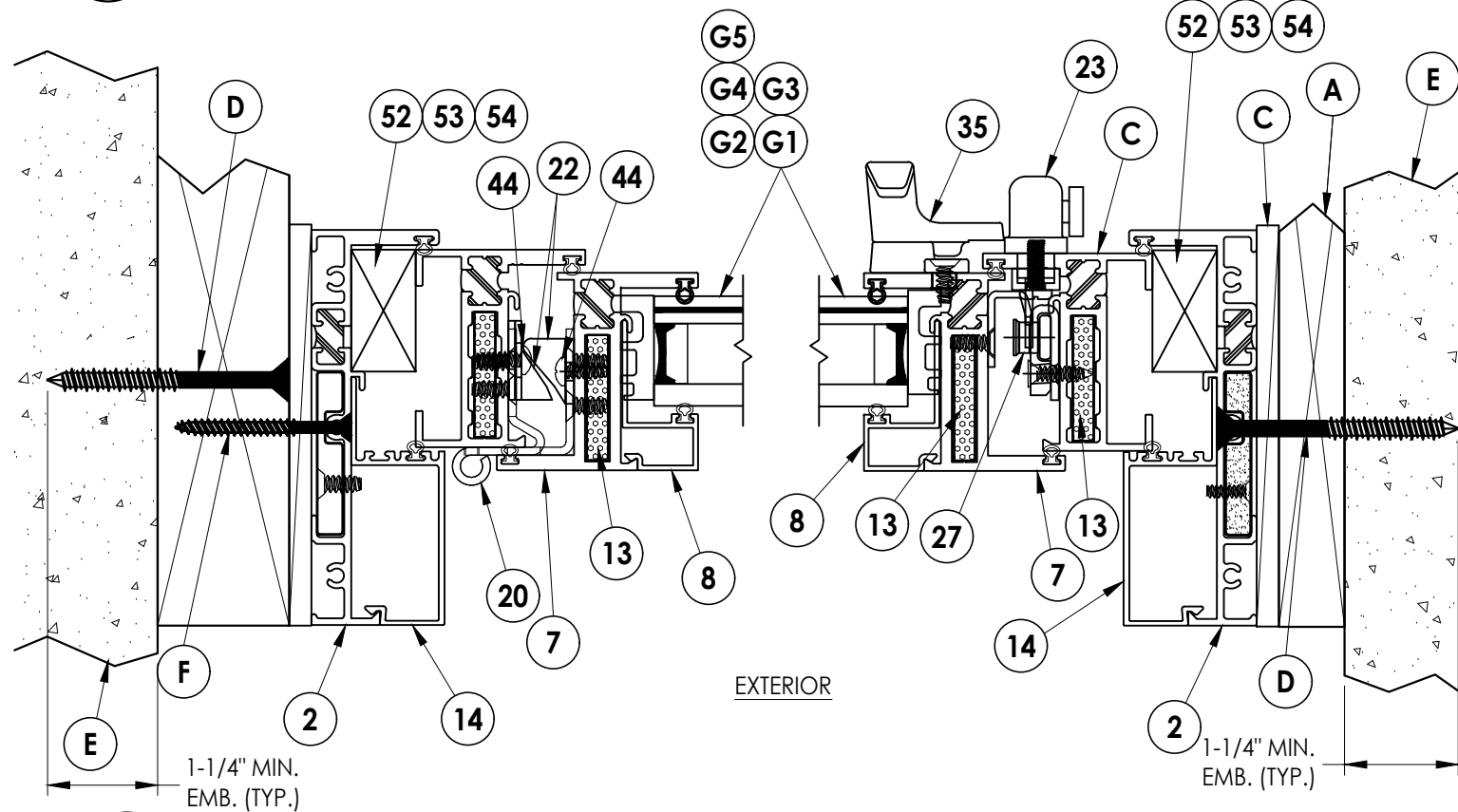
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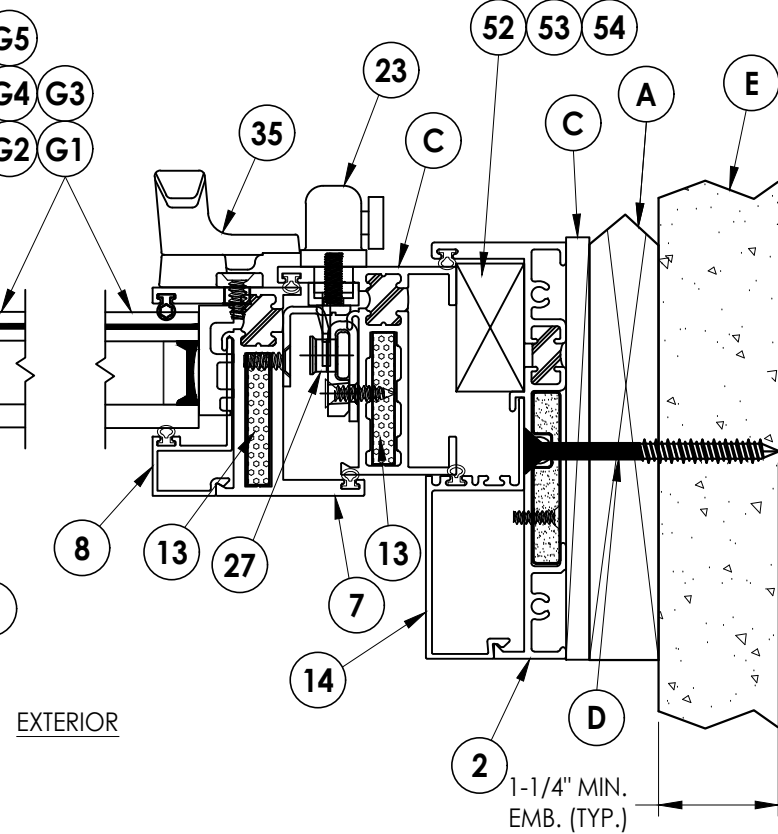
3 **HORIZONTAL CROSS SECTION**
4 Shown w/ Steel Stud option



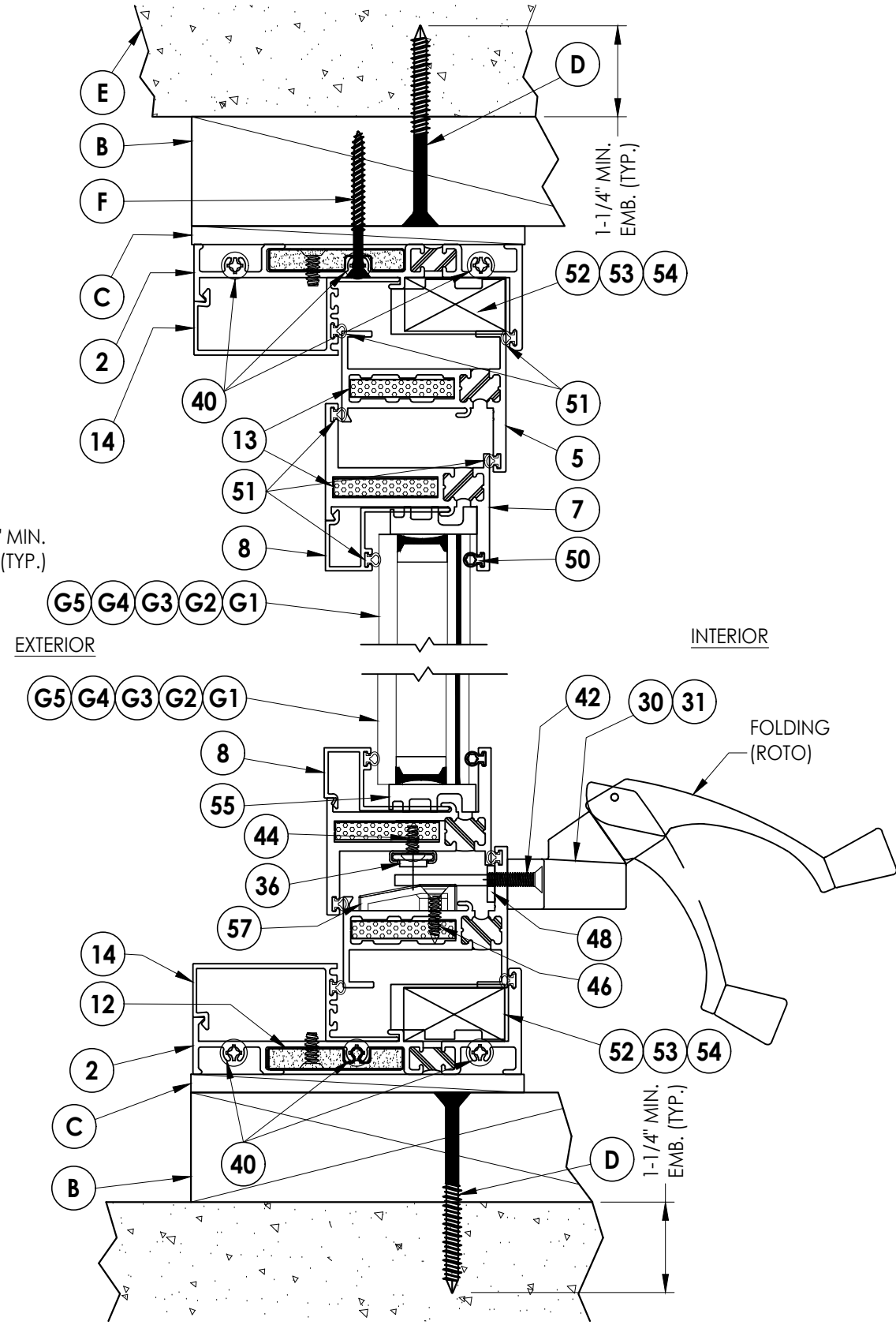
4 **HORIZONTAL CROSS SECTION**
4 Shown w/ Direct to Masonry option



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

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
HORIZONTAL AND VERTICAL
CROSS SECTIONS

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

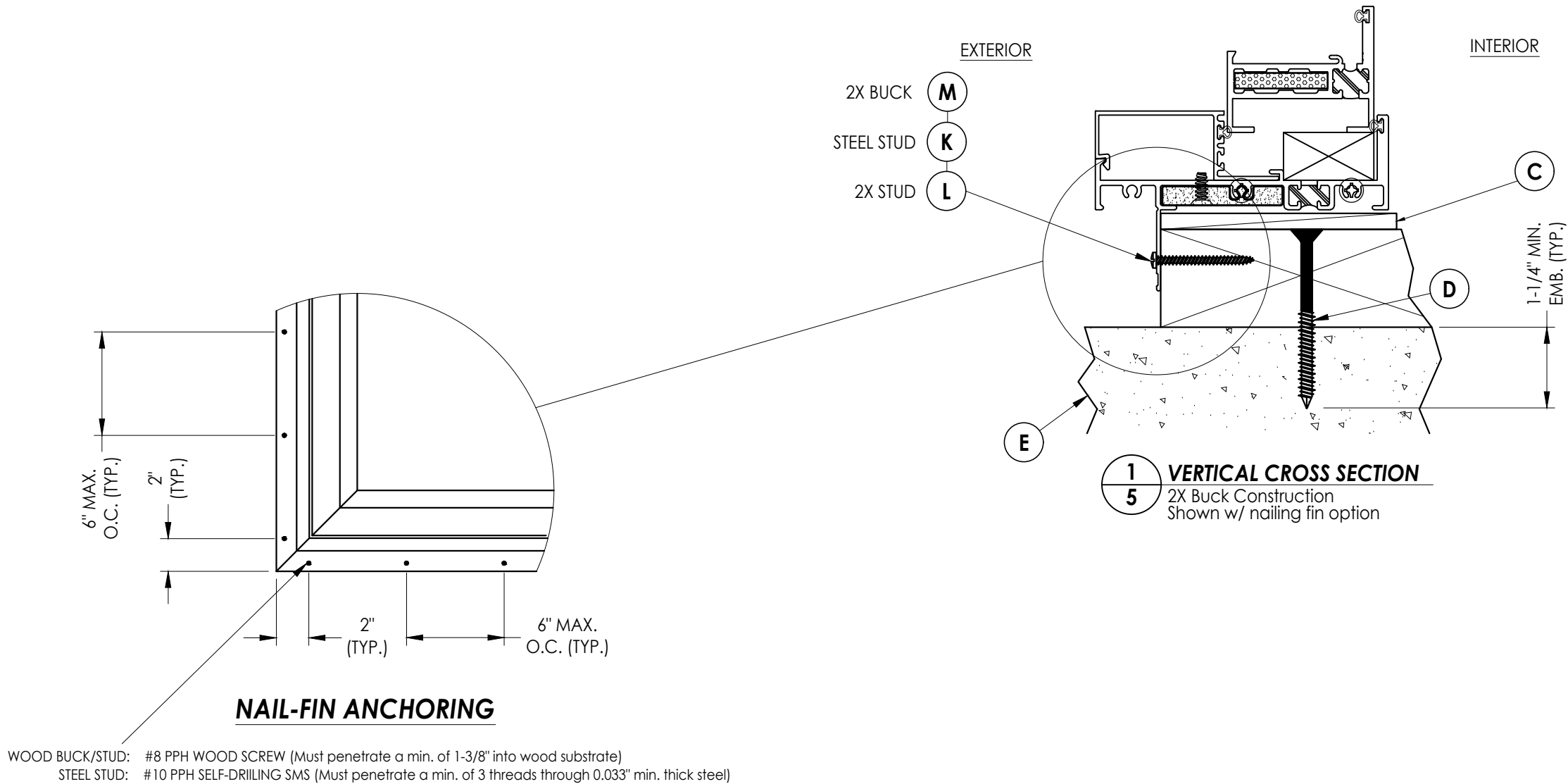
FL-14904.3

SHEET 4 OF 9

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FBPE Registry No. 9813

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Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.1-6.dwg



DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14904.3

SHEET 5 OF 9

PRODUCT:

FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:

VERTICAL
CROSS SECTION

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

RW

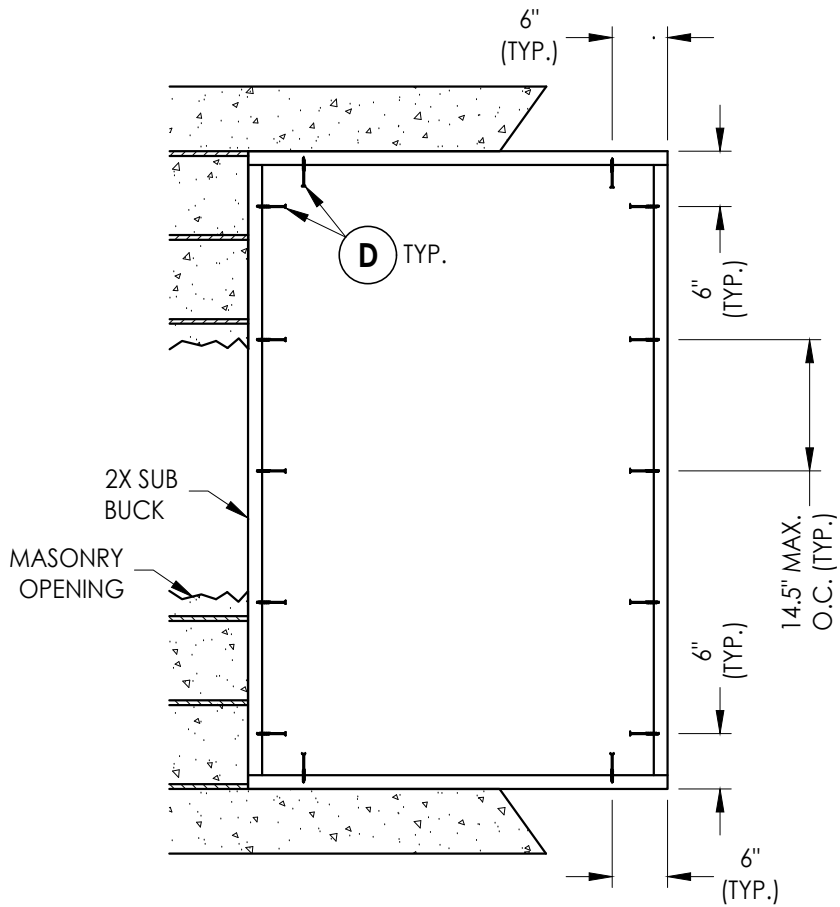
BUILDING CONSULTANTS, INC.

P.O. Box 230, Vairico, FL 33595

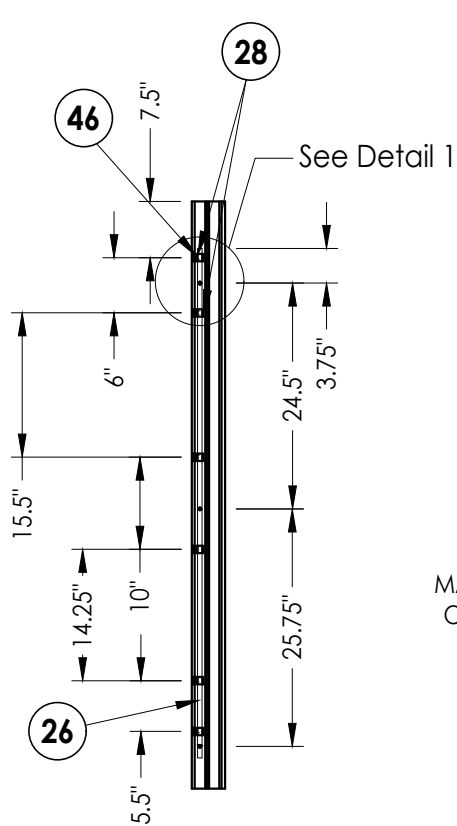
Phone No.: 813.659.9197

FBPE Registry No. 9813

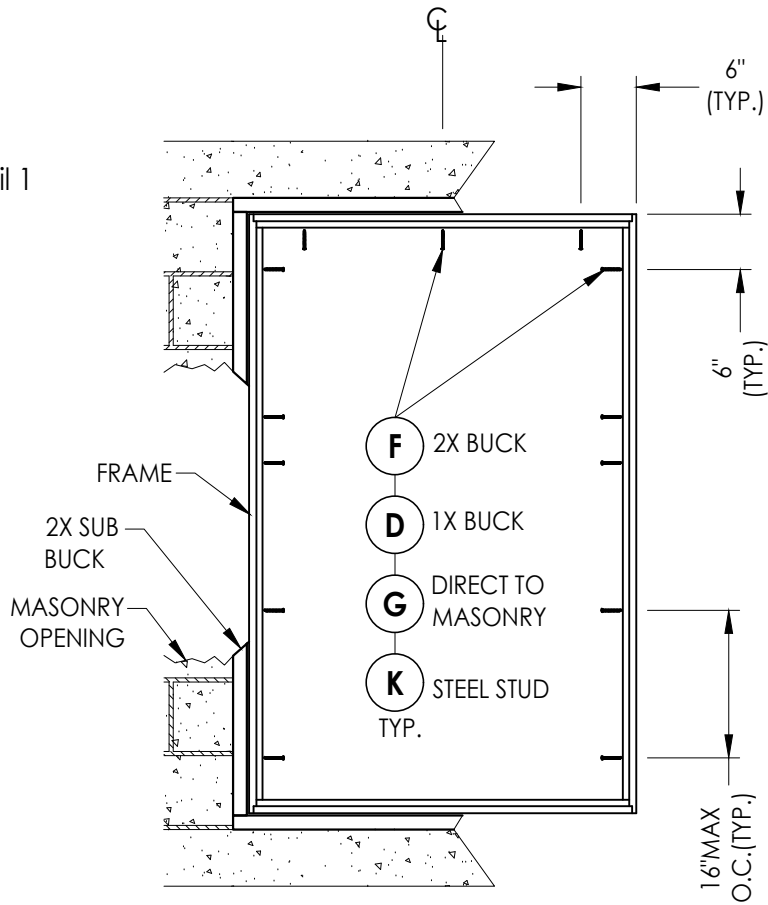
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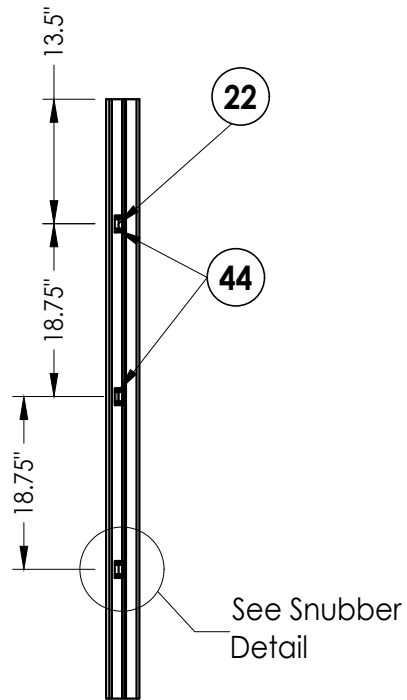
2X BUCK ANCHORING
42" X 65" Max Size



LOCK JAMB
Locking Points (3)



FRAME MOUNT ANCHORING
42" X 65" Max Size



SNUBBERS JAMB

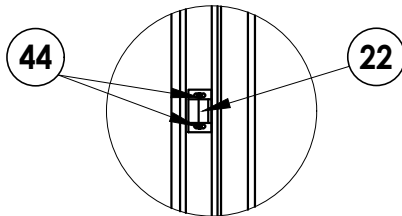
CONCRETE ANCHOR NOTES:

- 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:

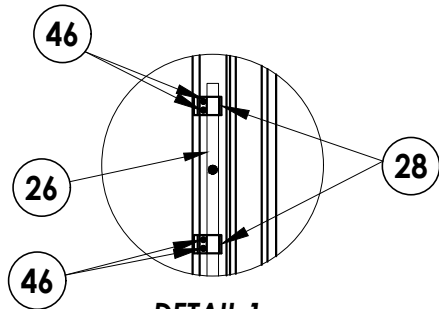
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.



SNUBBER DETAIL



DETAIL 1

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

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
7	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
6	7/12/23	UPDATE TO 8TH ED. (2023) FBC LFS
5	12/7/21	SERIES NAME CHANGE LFS
4	8/06/20	UPDATE TO 7TH ED. (2020) FBC DAC

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

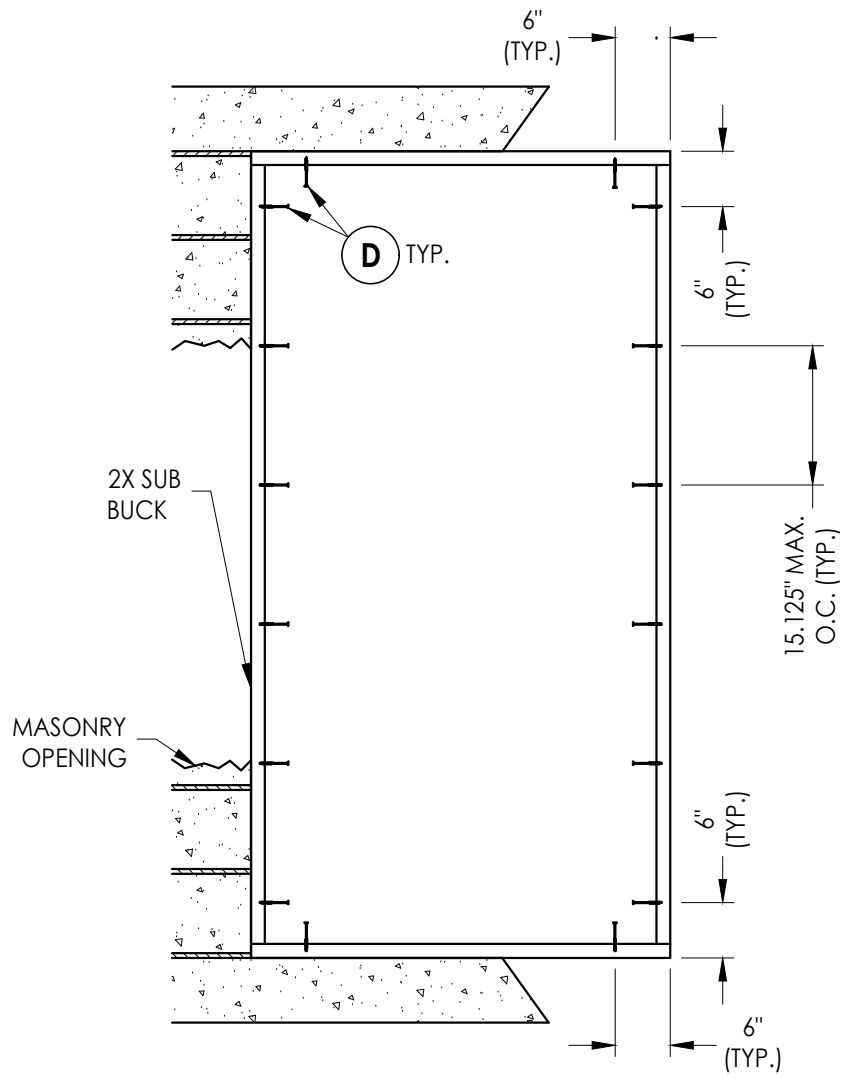
DRAWING NO.:

FL-14904.3

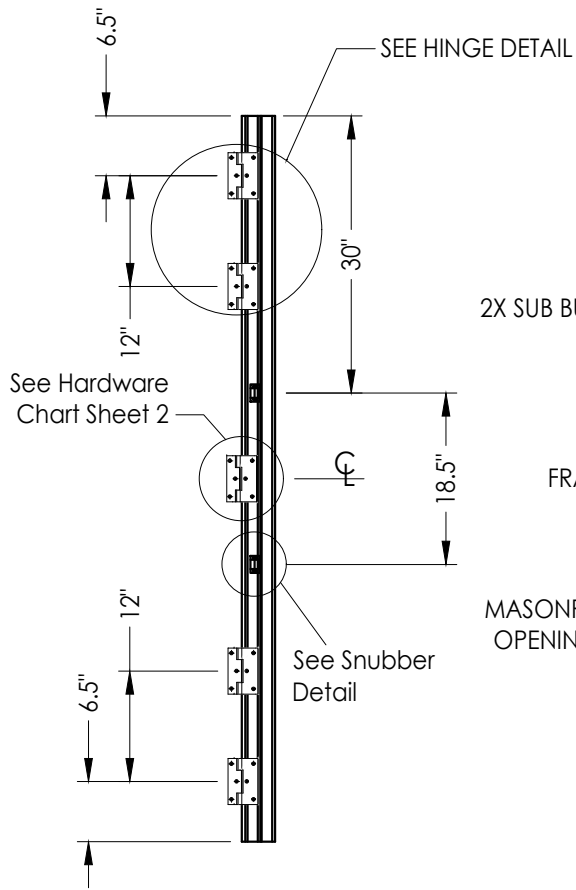
SHEET 6 OF 9

RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

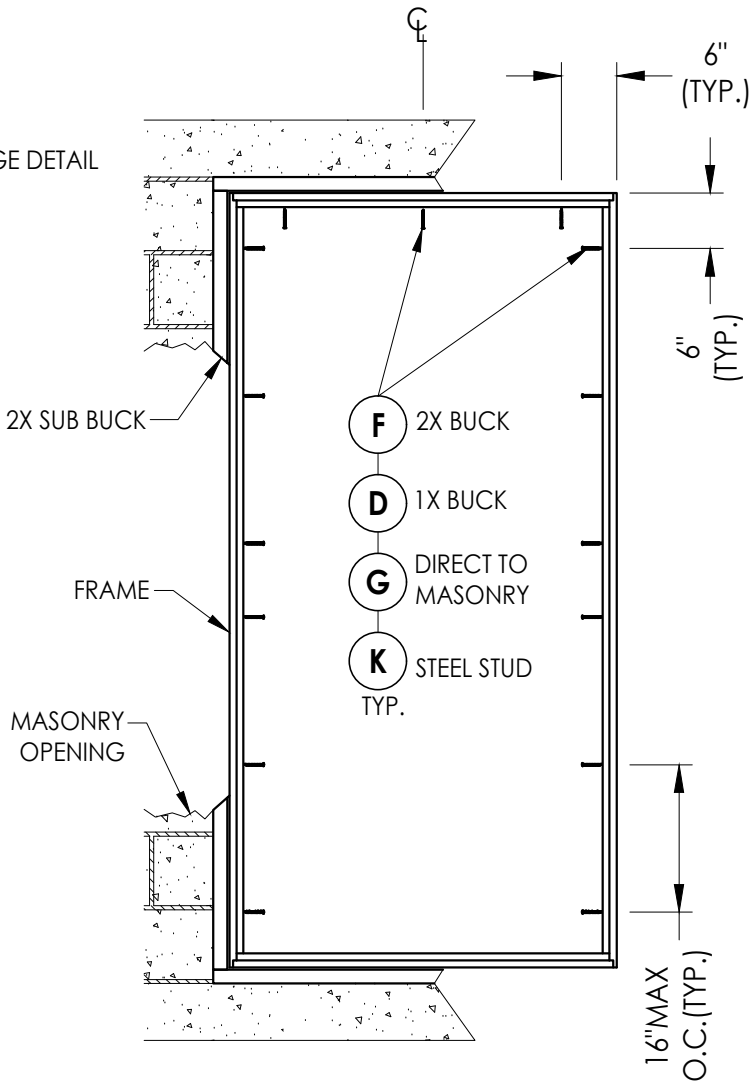
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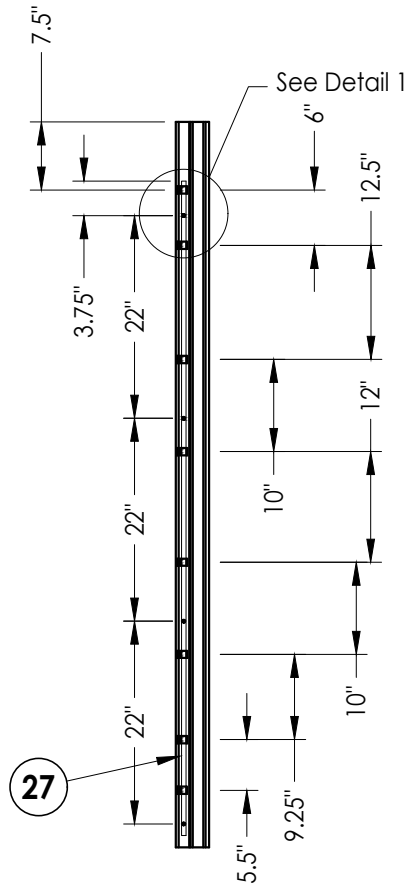
2X BUCK ANCHORING
42" X 84" Max Size



HINGE JAMB



FRAME MOUNT ANCHORING
42" X 84" Max Size



LOCK JAMB
Locking Points (4)

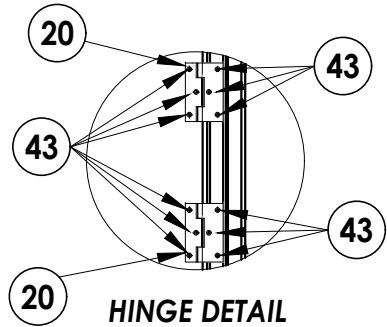
CONCRETE ANCHOR NOTES:

- 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:

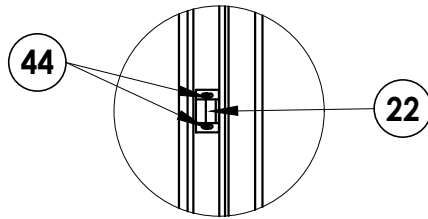
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

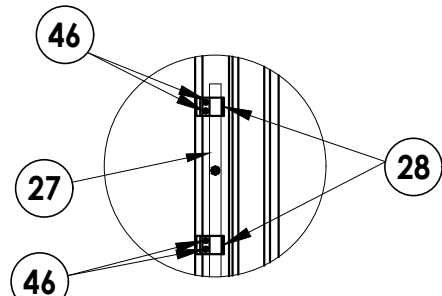
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



HINGE DETAIL



SNUBBER DETAIL



DETAIL 1

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

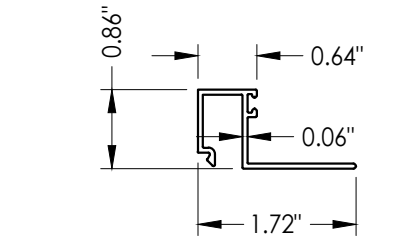
PRODUCT:
FLEETWOOD WINDOWS AND DOORS

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

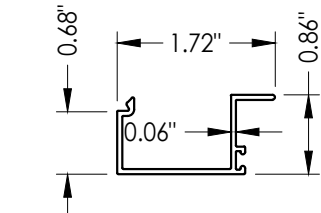
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

				REVISIONS			
NO.	DATE	BY	DAC	NO.	DATE	BY	DAC
7	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
5	12/7/21	SERIES NAME CHANGE	LFS				
4	8/06/20	UPDATE TO 7TH ED. (2020)	FBC	DAC			
				NO.	DATE	BY	DAC
				DATE:	10/23/13		
				SCALE:	N.T.S.		
				DWG. BY:	JK		
				CHK. BY:	LFS		
				DRAWING NO.:	FL-14904.3		
				SHEET	7	OF	9

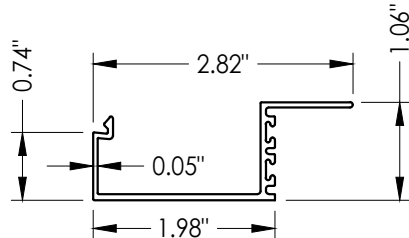
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
G	1/4" x 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
H	#10 X 2-3/4" PPH WOOD SCREW	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
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.)	-
4	MULLION	6063-T6 ALUM
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 (5/16", 7/16")	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
26	3 POINTS LOCKING BAR (TRUTH)	SS
27	4 POINTS LOCKING BAR (TRUTH)	SS
28	TIE BAR GUIDE (TRUTH)	-
29	KEEPER (TRUTH)	SS
30	CASEMENT ROTOR GEAR 13.5"(TRUTH)	SS
31	CASEMENT ROTOR GEAR 9.5"(TRUTH)	SS
35	CAM HANDLE / STRIKE PLATE	SS
36	CASEMENT SS. TRACK (TRUTH)	SS
40	#10 X 1" PPH SMS	STEEL
42	MACHINE SCREW NO 10-32, FHP .75"	STEEL
43	SCREW NO 10, UFHP .5"	STEEL
44	SCREW NO 8, PHP, .50"	STEEL
46	SCREW NO 8, FHP, .750"	STEEL
48	BACK UP NUTS	STEEL
50	BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
51	MINI BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
52	WOOD BLOCK .750" X 1.250"	-
53	ALUMINUM BLOCK .750" X 1.250"	-
54	PVC BLOCK .750" X 1.250"	-
55	SETTING BLOCK	-
57	PIVOT SHIM	-
58	WOOD BLOCK .50" X 1.250"	-
59	ALUMINUM BLOCK .50" X 1.250"	-
60	PVC BLOCK .50" X 1.250"	-



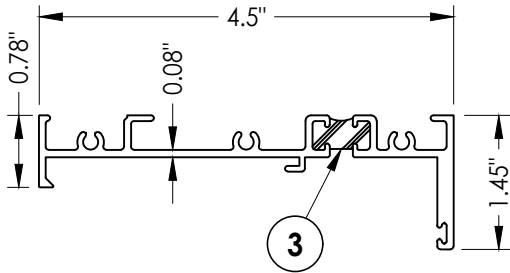
8 GLASS STOP 1-1/4"



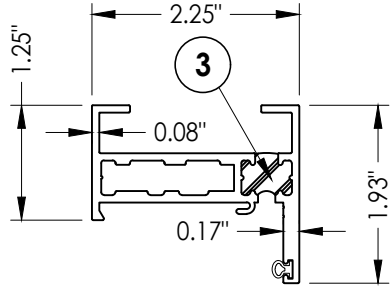
10 GLASS STOP 5/16", 7/16"



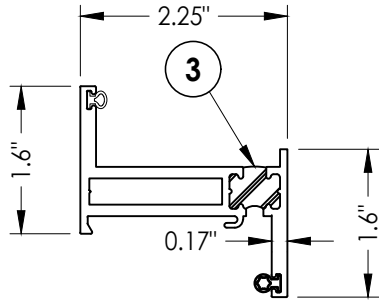
14 **INSERT STOP**



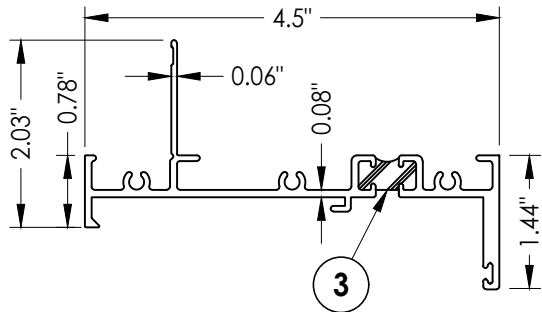
2 BLOCK FRAME



5 BLOCK FRAME



7 ZEE BAR (PANEL)



1 FIN BLOCK FRAME

DATE: 10/23/13		REVIEWS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14904.3			
SHEET 9 OF 9			
NO.		DATE	
7	7/02/26	UPDATE TO 9TH ED. (2026)	FBC
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC
5	12/7/21	SERIES NAME CHANGE	LFS
4	8/06/20	UPDATE TO 7TH ED. (2020)	FBC
NO.		DATE	BY
PART OR ASSEMBLY:			
BILL OF MATERIALS AND COMPONENTS			
PRODUCT:		FLEETWOOD WINDOWS AND 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			