

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14907 R11 Awning\FL-14907.5-7.dwg

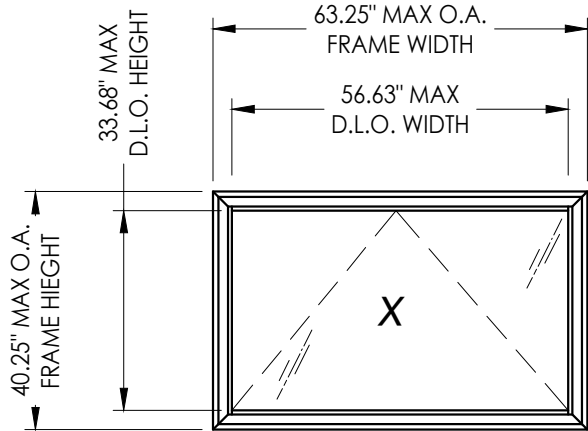
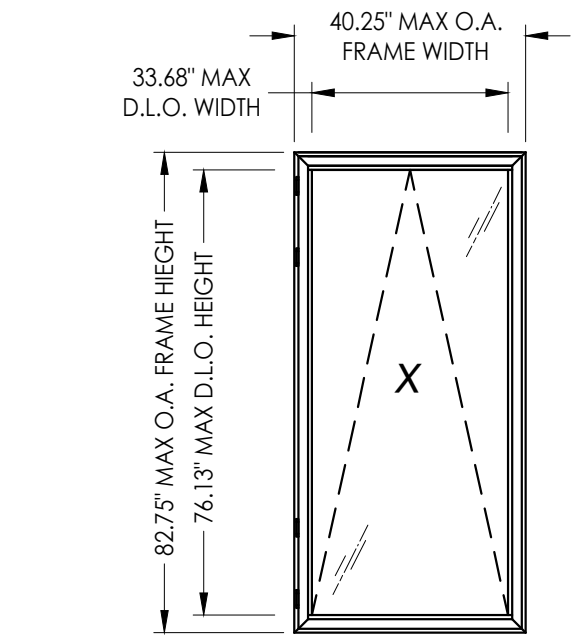


Series 350-T
Aluminum Awning Window
w/ Thermal Break Frame
"IMPACT"

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 and general notes
2	Horizontal and vertical cross sections
3	Horizontal and vertical cross sections
4	Buck and frame anchoring
5	Buck and frame anchoring
6	Glazing details
7	Bill of materials and components



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
40.25" X 82.75"	33.68" X 76.13"	G1, G2, G3, G4, G5, G6	+65.0	-65.0
40.25" X 44.5"	33.68" X 37.88"	G1, G2, G3, G4, G5, G6	+65.0	-65.0
63.25" X 40.25"	56.63" X 33.68"	G1, G2, G3, G4, G5, G6	+65.0	-65.0

27

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

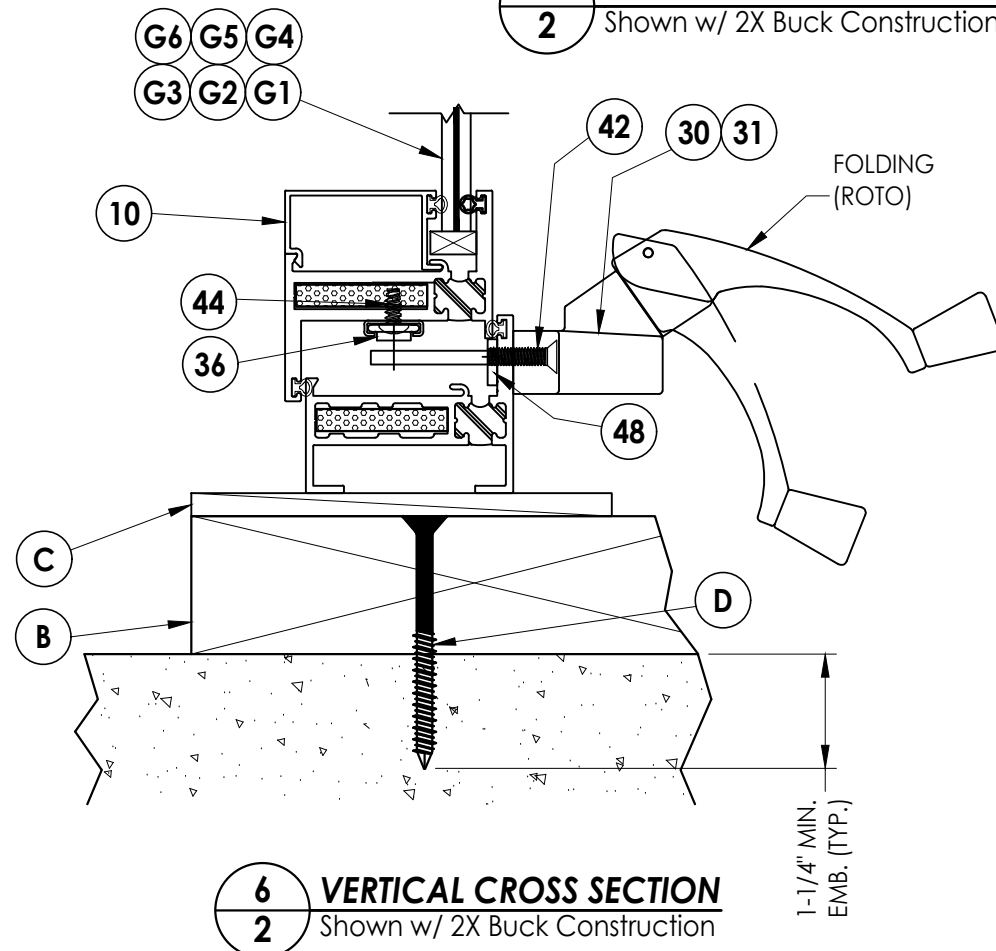
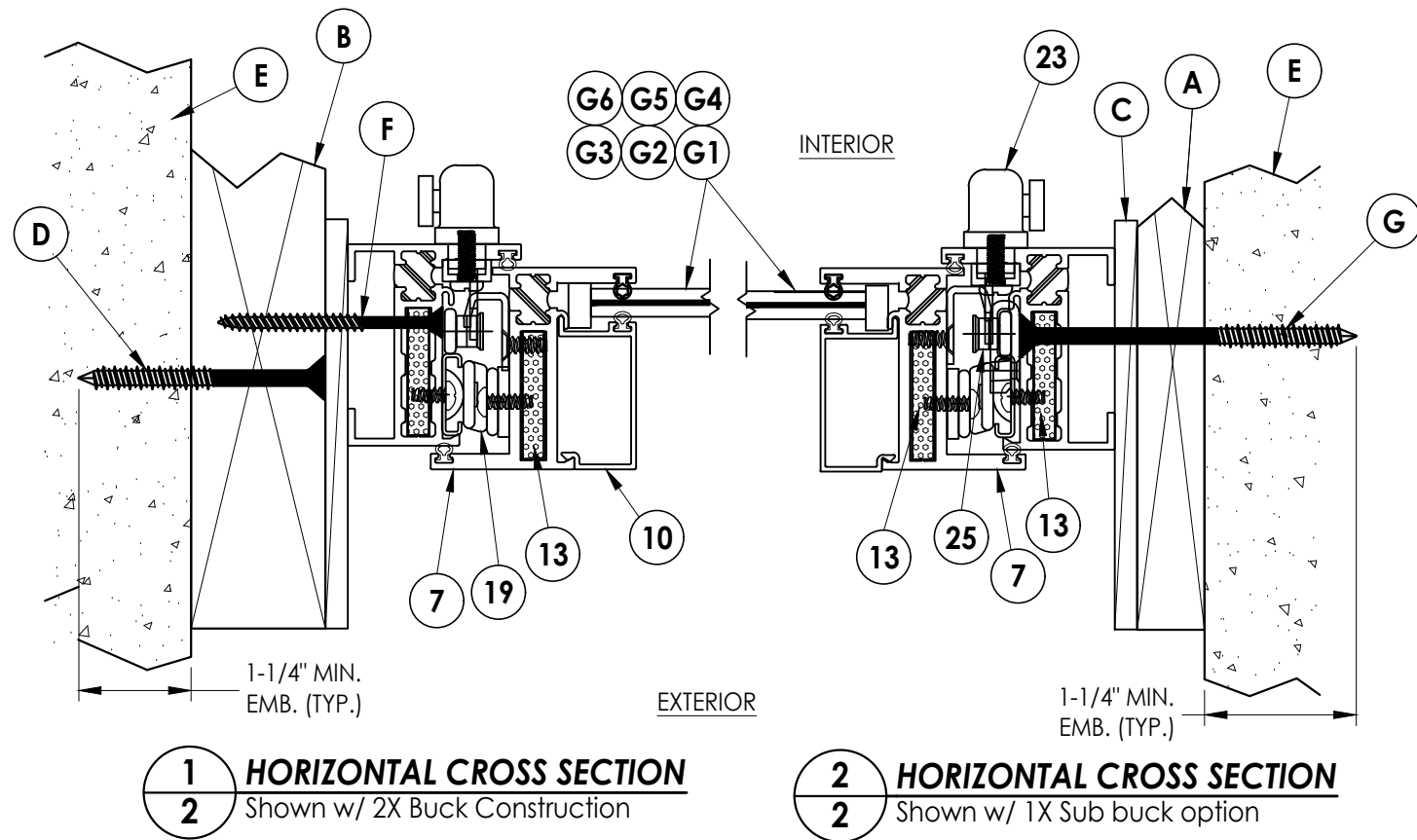
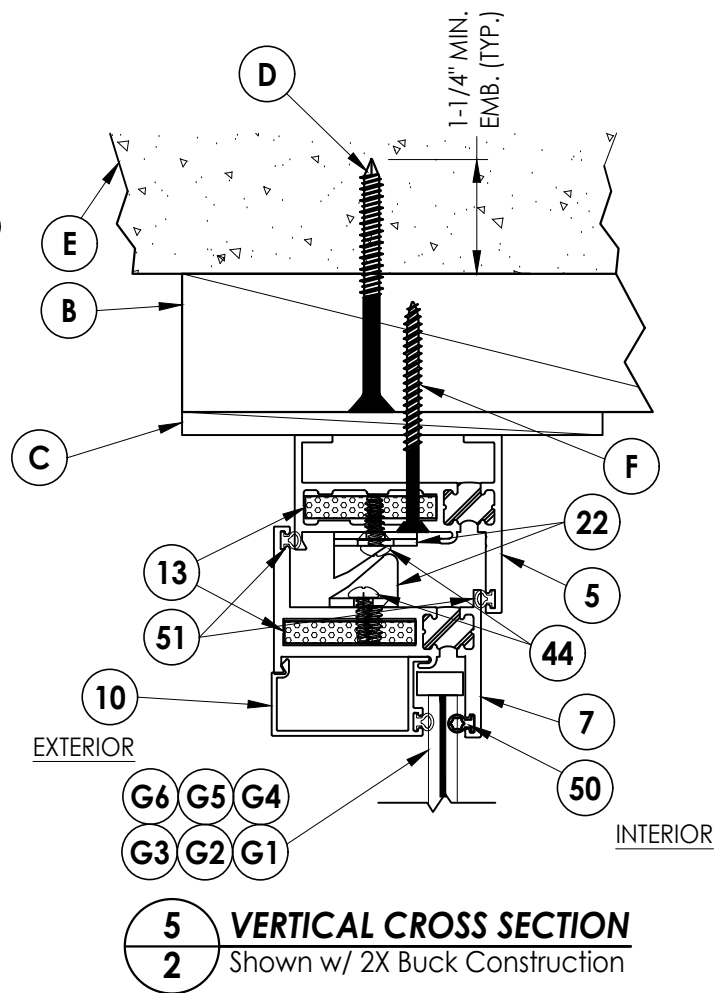
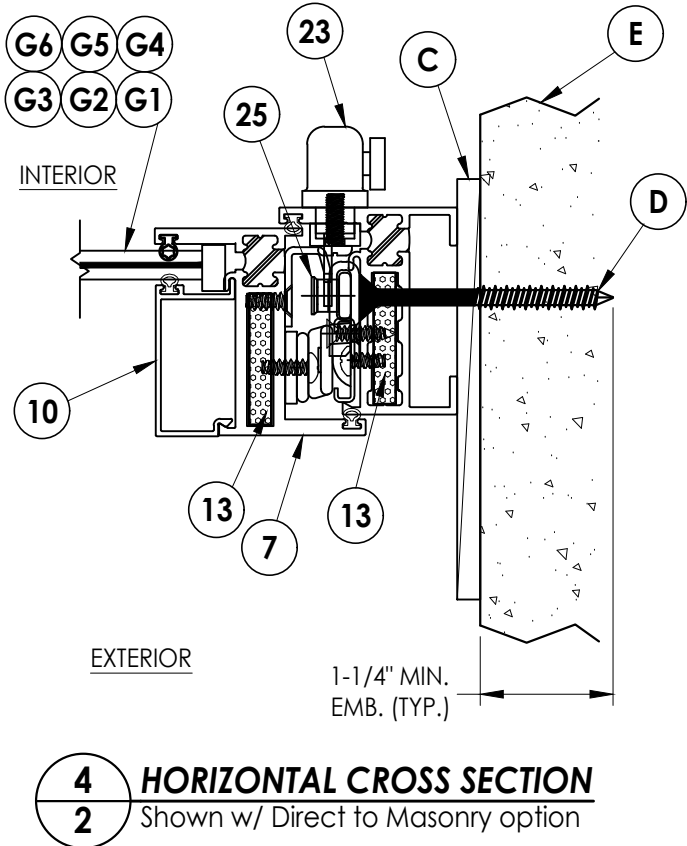
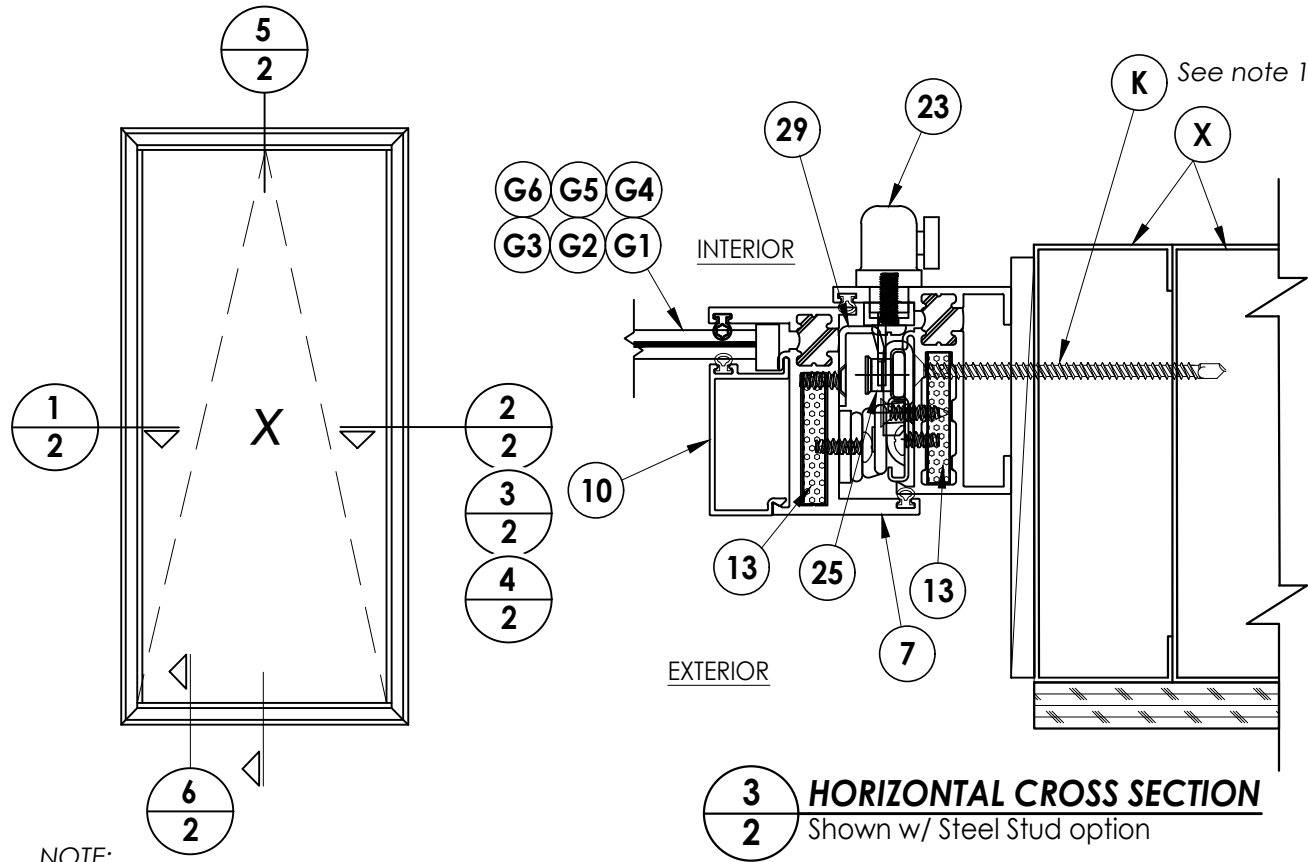
Digitally signed by Lyndon F Schmidt
Date: 2023.07.12 08:19:14 -04'00'

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 AND DOORS				PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES			
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
5	12/08/21	SERIES NAME CHANGE		LFS			
4	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	DAC			
3	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
2	8/22/16	RENUMBER DRAWINGS		JK			
NO.	DATE						
REVISIONS							
DATE: 4/28/14							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-14907.7							
SHEET 1 OF 7							

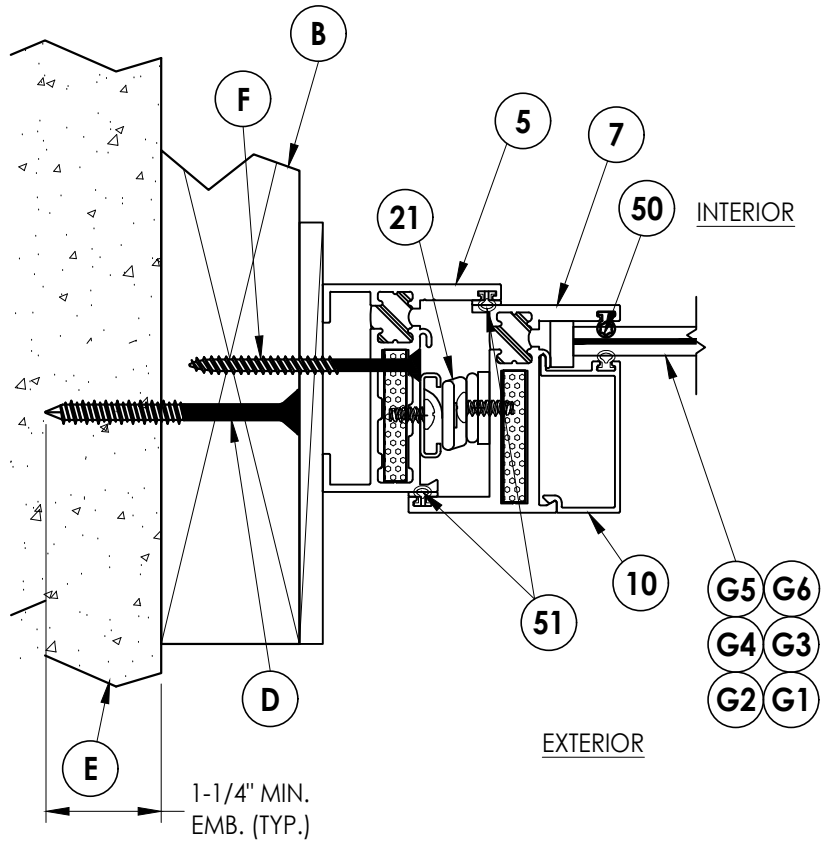
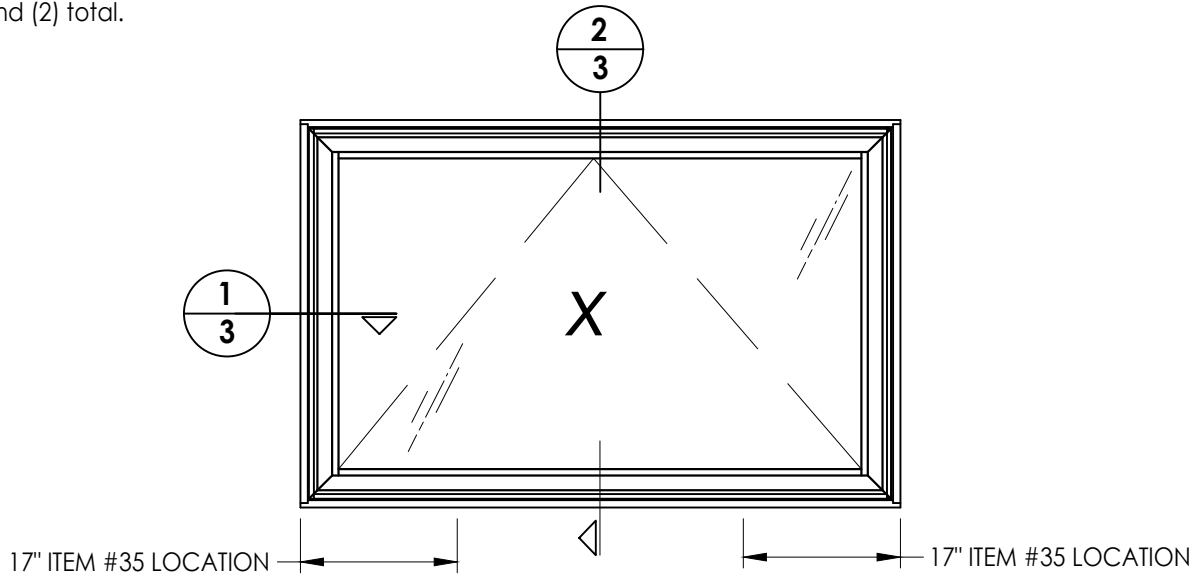
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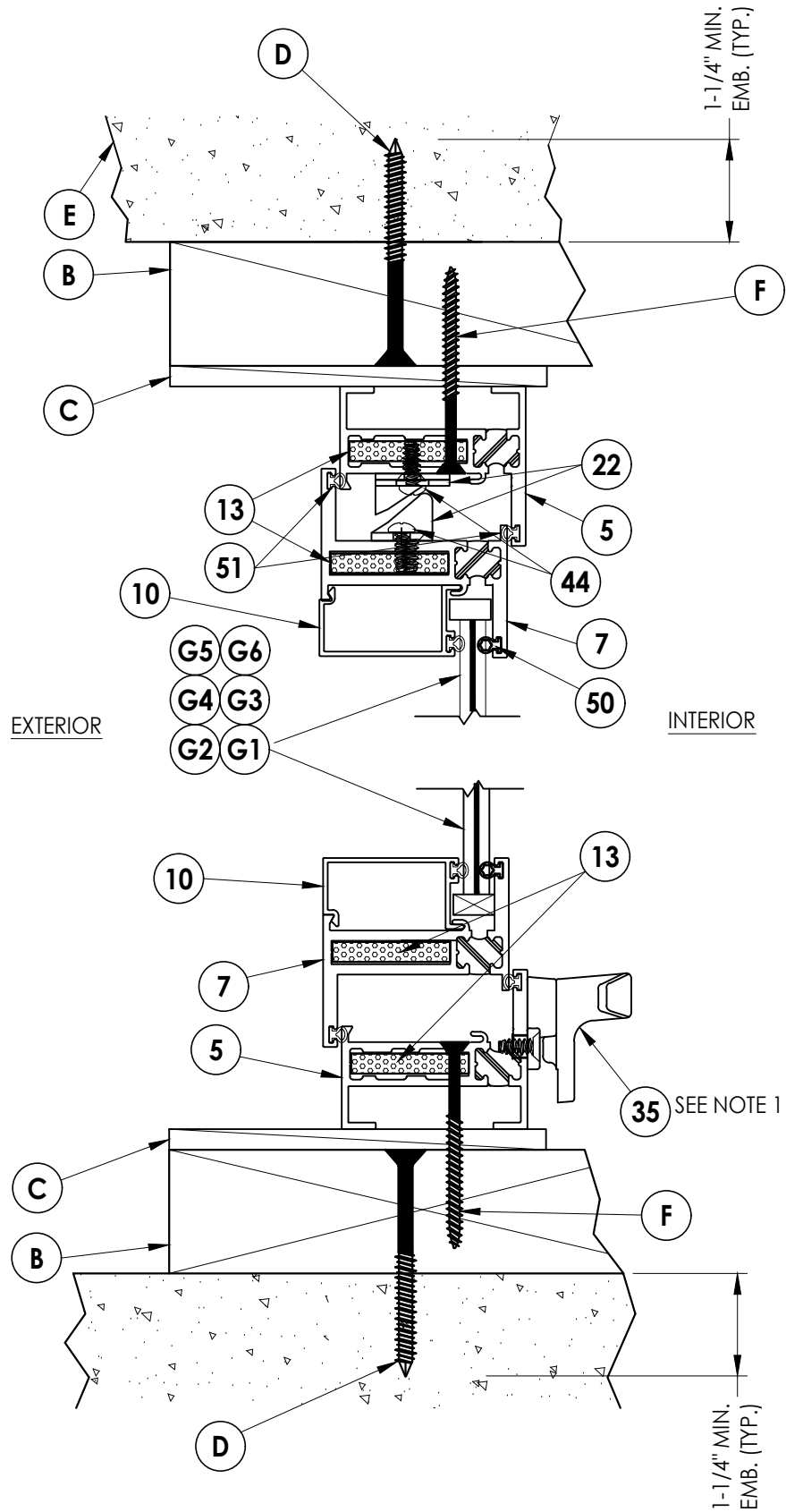
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813				
PRODUCT: FLEETWOOD WINDOWS AND DOORS					PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS				
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
5	12/08/21	SERIES NAME CHANGE		LFS					
4	8/10/20	UPDATE TO 7th ED. (2020)	FBC	DAC					
3	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS					
2	8/22/16	RENUMBER DRAWINGS		JK					
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SHEET 2 OF 7									

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NOTE:
1. Item #35 located 17"
from each end (2) total.



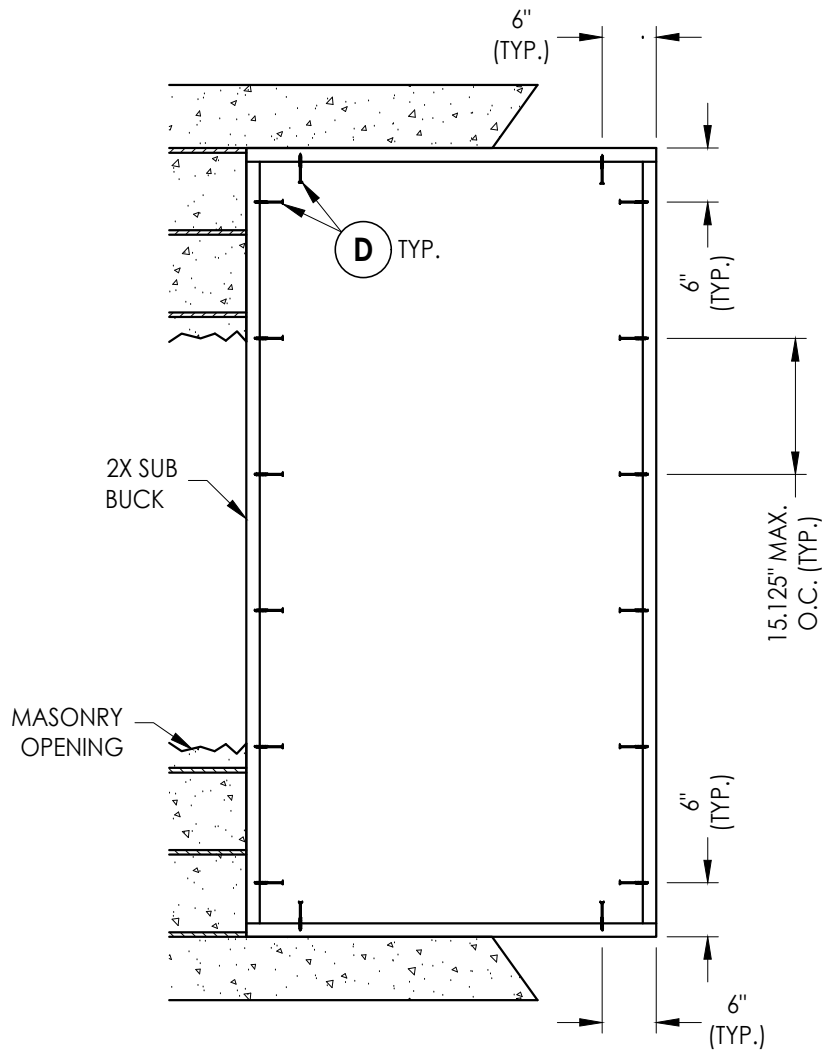
1 **HORIZONTAL CROSS SECTION**
3 Shown w/ 2X Buck Construction



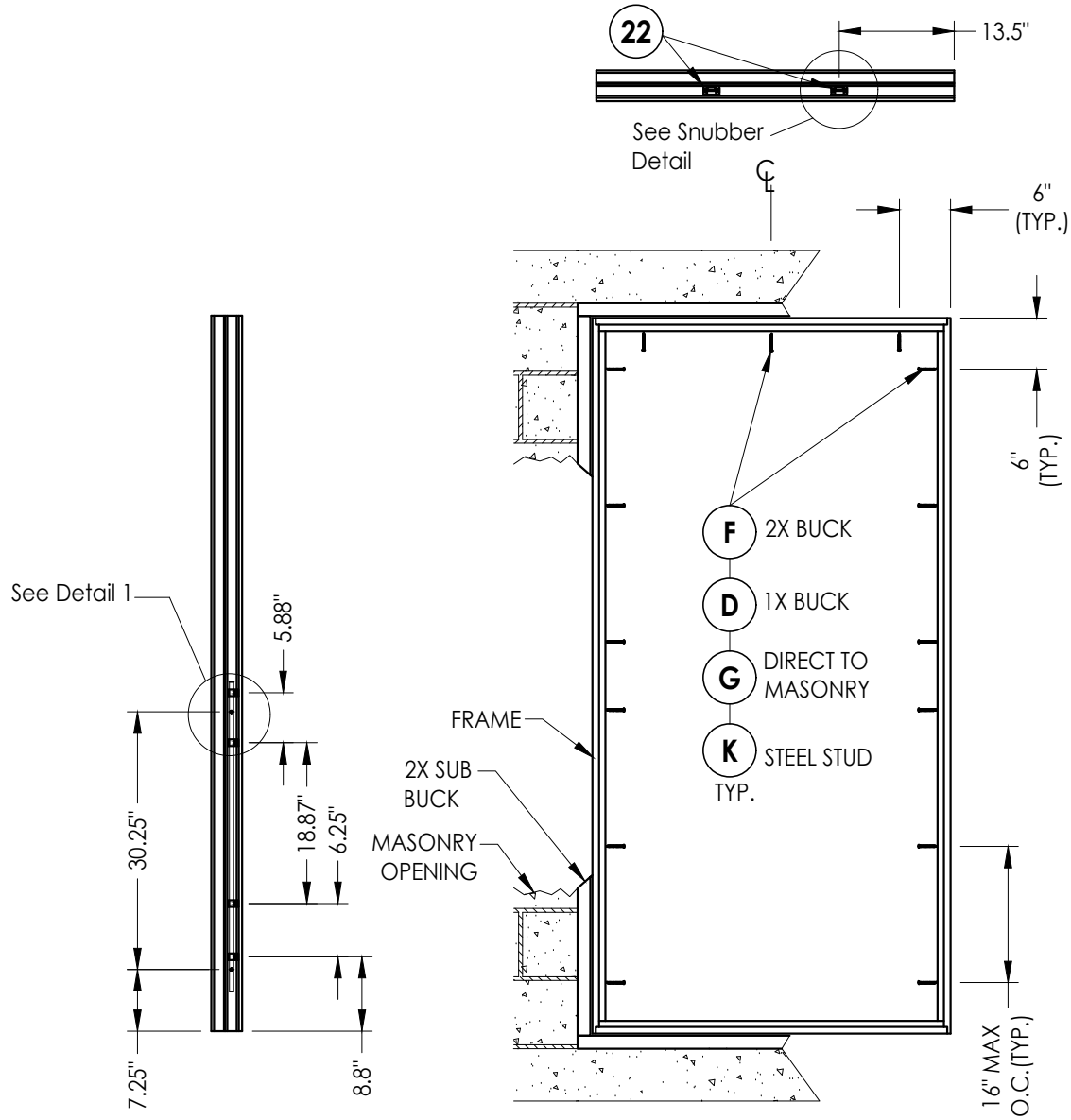
2 **VERTICAL CROSS SECTION**
3 Shown w/ 2X Buck Construction

PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS		Documents Prepared By:	
				Lyndon F. Schmidt	
				P.E. No. 43409	
				<i>R^W</i> BUILDING CONSULTANTS, INC.	
				P.O. Box 230, Valrico, FL 33595	
				Phone No.: 813.659.9197	
				FBPE Registry No. 9813	

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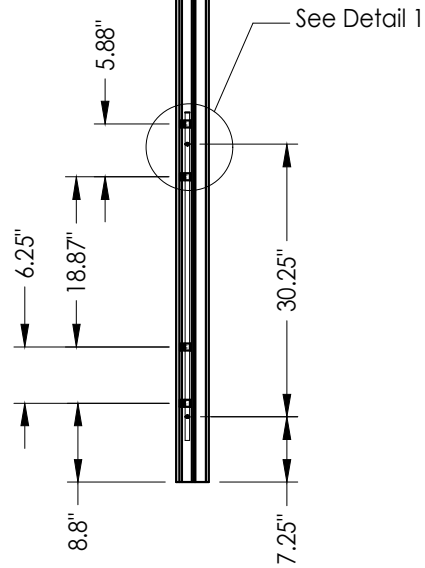


2X BUCK ANCHORING
42" X 84" Max Size



LOCK JAMB
2 Point Lock

FRAME MOUNT ANCHORING
42" X 84" Max Size



LOCK JAMB
2 Point Lock

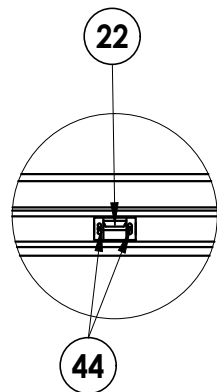
CONCRETE ANCHOR NOTES:

- 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:

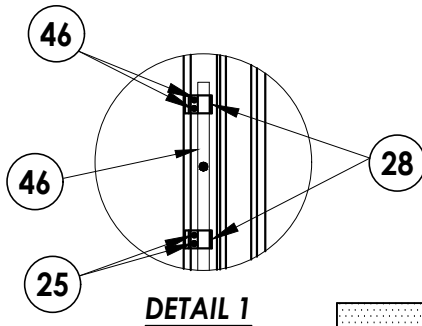
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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

Hardware Table			
Points	Description	Height	*Cam locks can be used in conjunction with multipoint lock or in lieu of multipoint locks
2	Multipoint	> 50"	
1	Multipoint	≤ 50"	
Qty.			
2	Cam*	≤ 50"	

Documents Prepared By:
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P.E. No. 43409

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

NO.	DATE	REVISIONS
6	7/12/23	UPDATE TO 8TH ED. (2023) FBC
5	12/08/21	SERIES NAME CHANGE
4	8/10/20	UPDATE TO 7TH ED. (2020) FBC
3	8/07/17	UPDATE TO 6TH ED. (2017) FBC
2	8/22/16	RENUMBER DRAWINGS
1		

DATE: 4/28/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

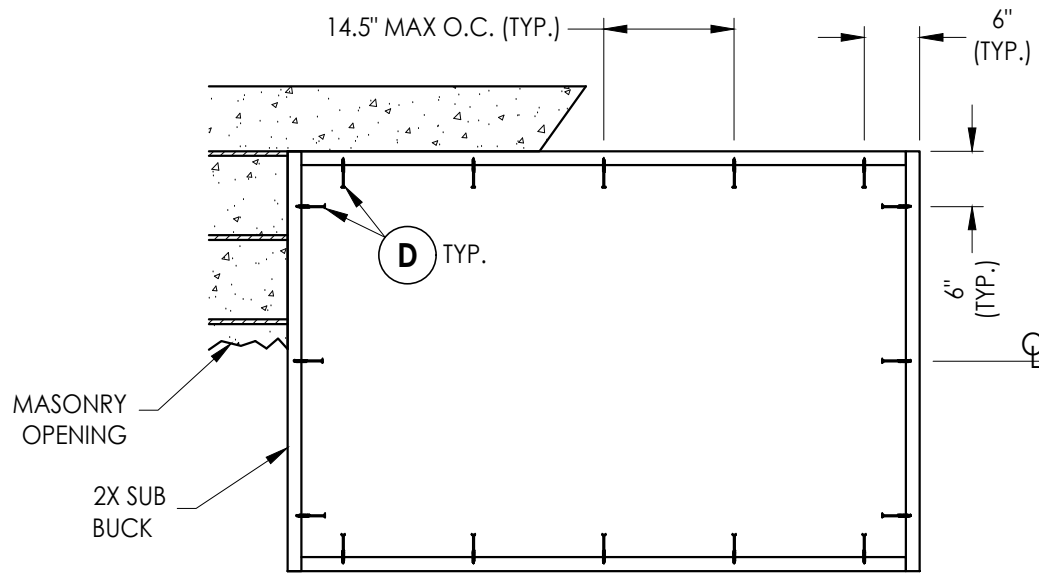
DRAWING NO.:

FL-14907.7

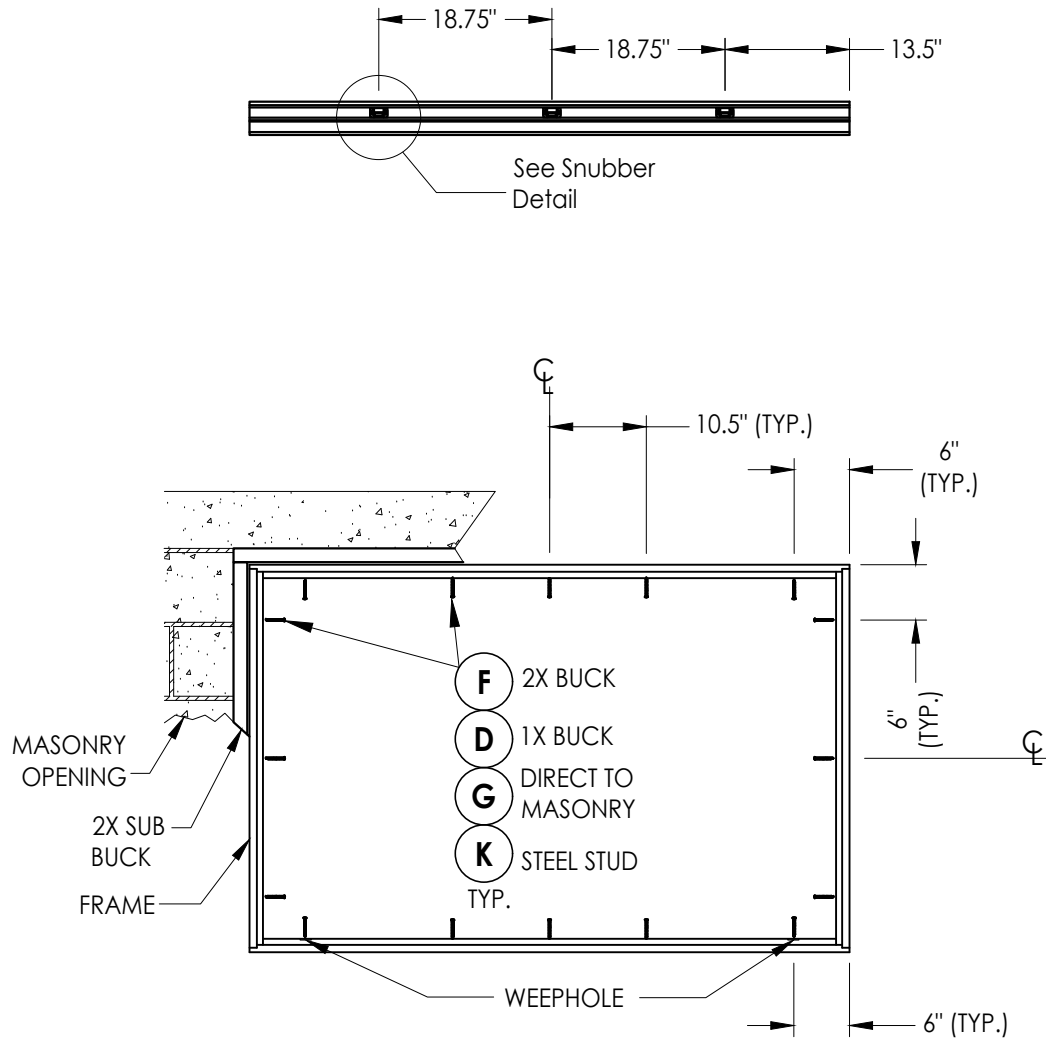
SHEET 4 OF 7

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

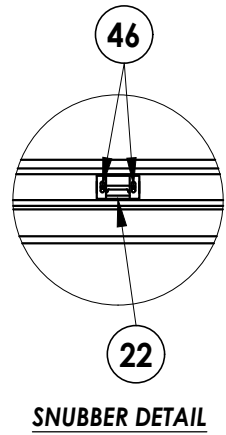
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2X BUCK ANCHORING
65" X 42" Max Size



FRAME MOUNT ANCHORING
65" X 42" Max Size



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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P.E. No. 43409

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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2	8/22/16	RENUMBER DRAWINGS		JK
NO.	DATE			BY

DATE: 4/28/14

SCALE: N.T.S.

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DRAWING NO.:

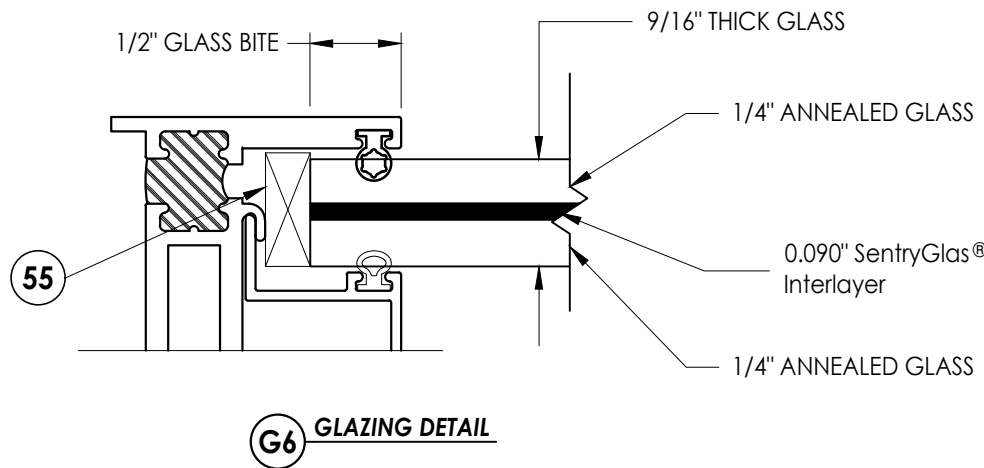
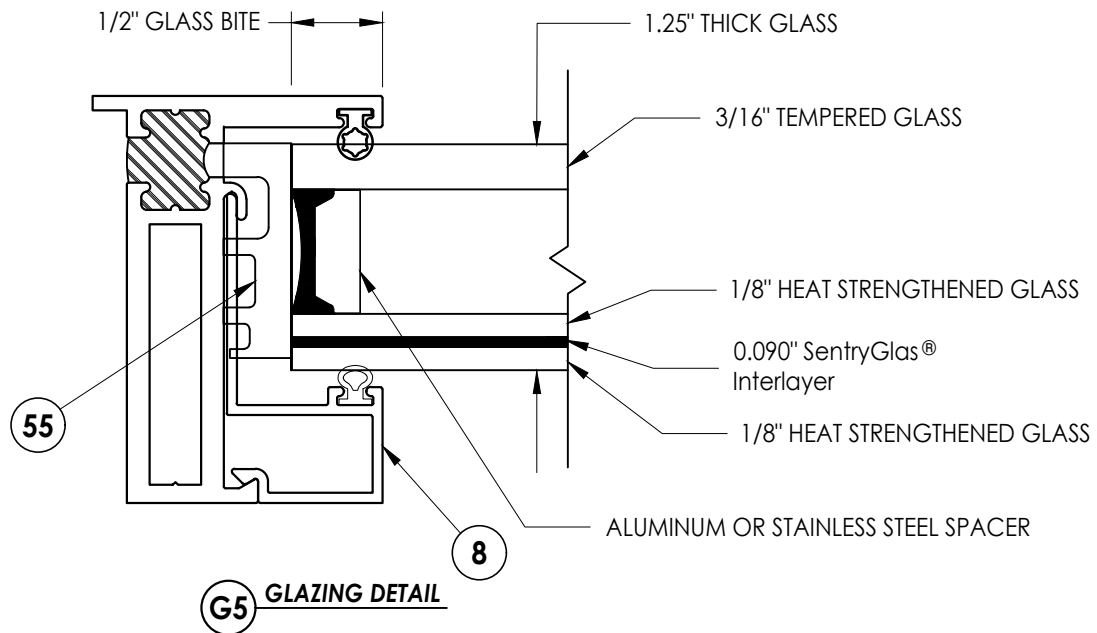
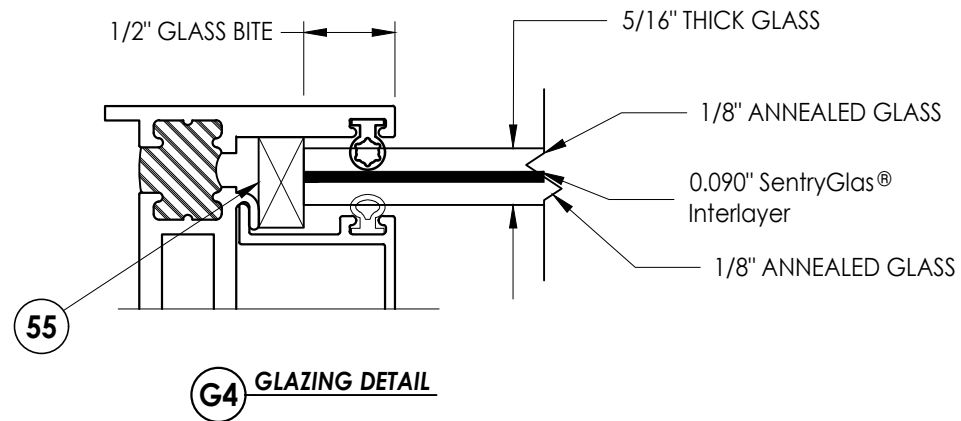
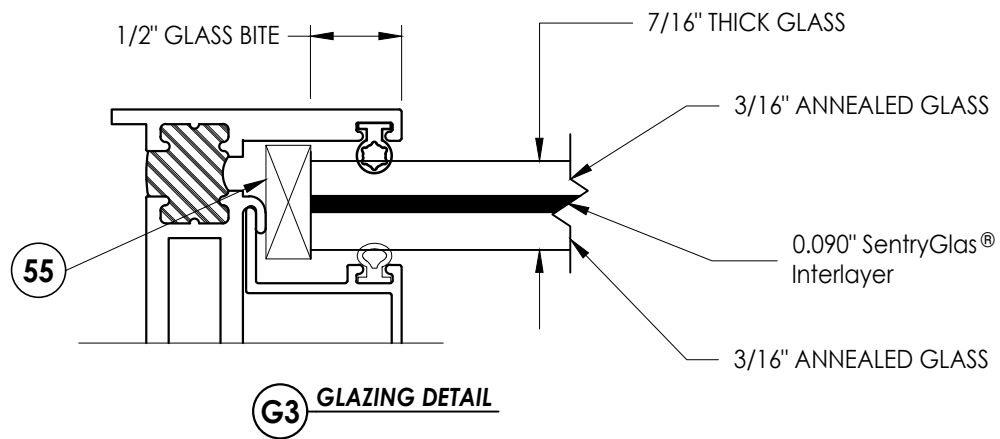
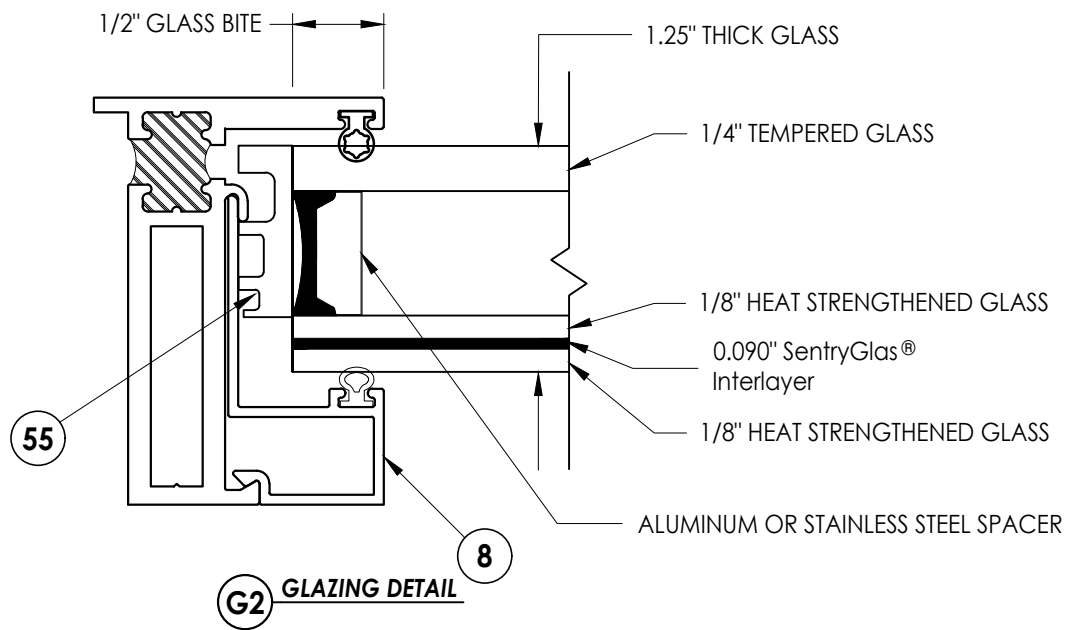
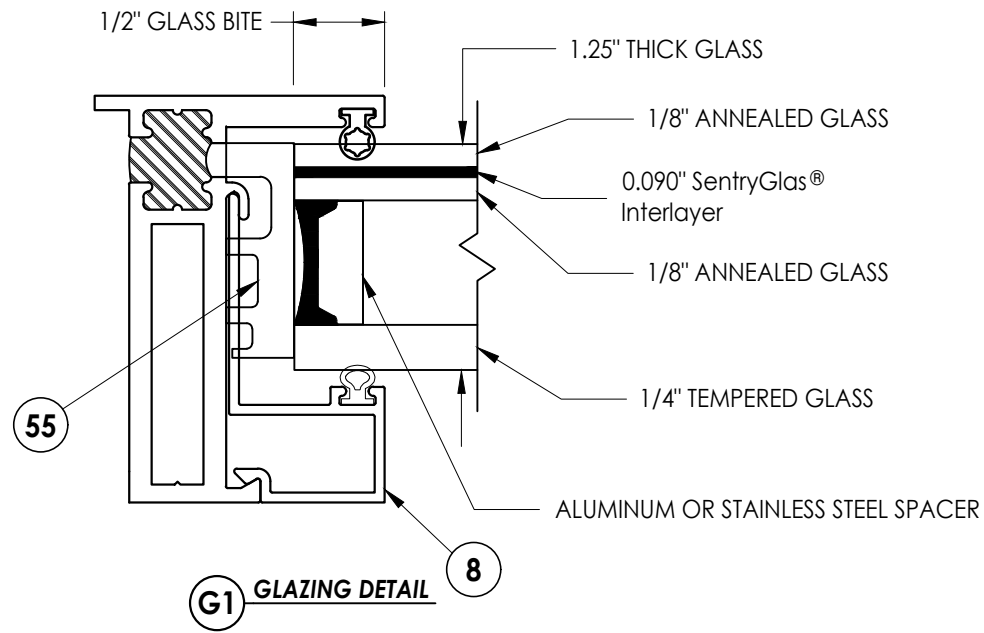
FL-14907.7

SHEET 5 OF 7

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

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

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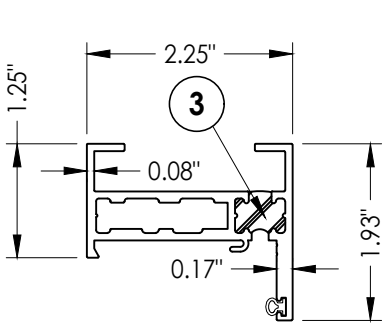


NOTE: GLAZING > 36" WIDE REQUIRES AT LEAST TWO (2) SETTING
BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1.

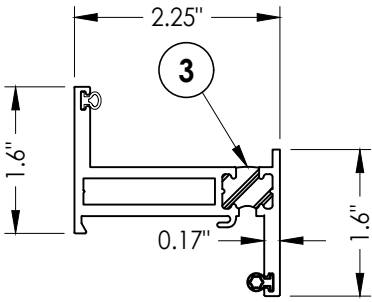
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				<i>R^W</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: FLEETWOOD WINDOWS AND DOORS				PART OR ASSEMBLY: GLAZING DETAILS			
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			REVISIONS
5	12/08/21	SERIES NAME CHANGE		LFS			
4	8/10/20	UPDATE TO 7th ED. (2020)	FBC	DAC			
3	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
2	8/22/16	RENUMBER DRAWINGS		JK			
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DWG. BY: JK							
CHK. BY: LFS							
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SHEET 6 OF 7							

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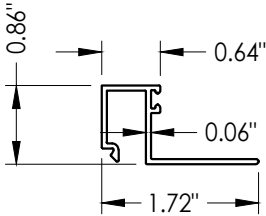
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
K	#10 PFH SELF-DRILLING SMS	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
7	ZEE BAR (PANEL)	6063-T6 ALUM
8	GLASS STOP (1-1/4")	6063-T6 ALUM
10	GLASS STOP (5/16", 7/16", 9/16")	6063-T6 ALUM
12	SHEAR BLOCK	6061-T6 ALUM
13	CORNER KEY	6063-T6 ALUM
14	INSERT STOP	6063-T6 ALUM
19	2 BAR HINGE	SS
21	4 BAR HINGE	SS
22	SNUBBER-COMMERCIAL PULL-IN BLOCK	SS
23	MULTIPOINT LOCK HANDLE	SS
24	1 POINT LOCKING BAR (TRUTH)	SS
25	2 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	MACHINGE SCREW NO 10-32, FHP .75"	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	-
55	SETTING BLOCK (SANTOPRENE - 86 DUROMETER) - TREMCO	-



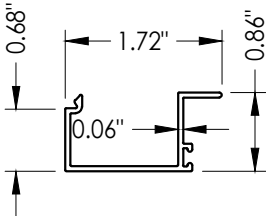
5 BLOCK FRAME



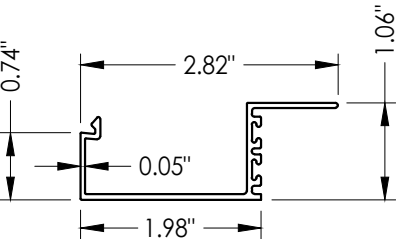
7 ZEE BAR (PANEL)



8 GLASS STOP 1-1/4"



10 GLASS STOP 5/16", 7/16", 9/16"



14 INSERT STOP

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PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS	
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC
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SHEET 7 OF 7			