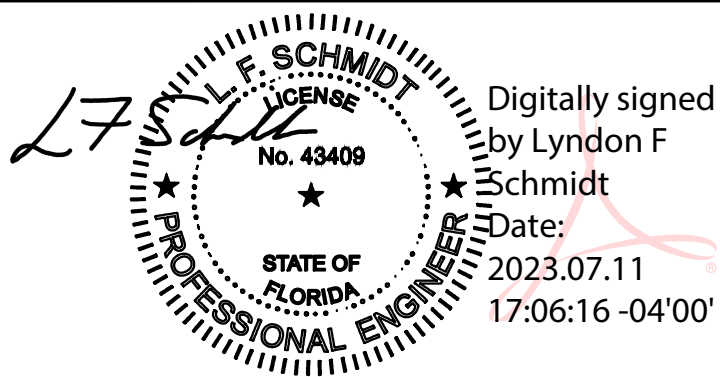




Series 3800-T
Aluminum Fixed Window
w/ Thermal Break Frame
"IMPACT"



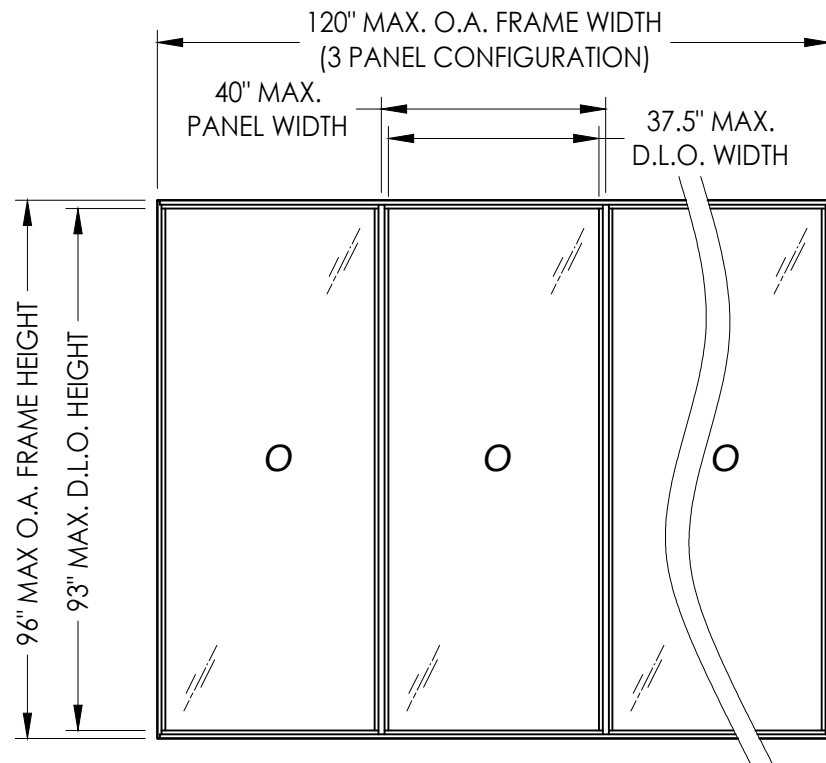
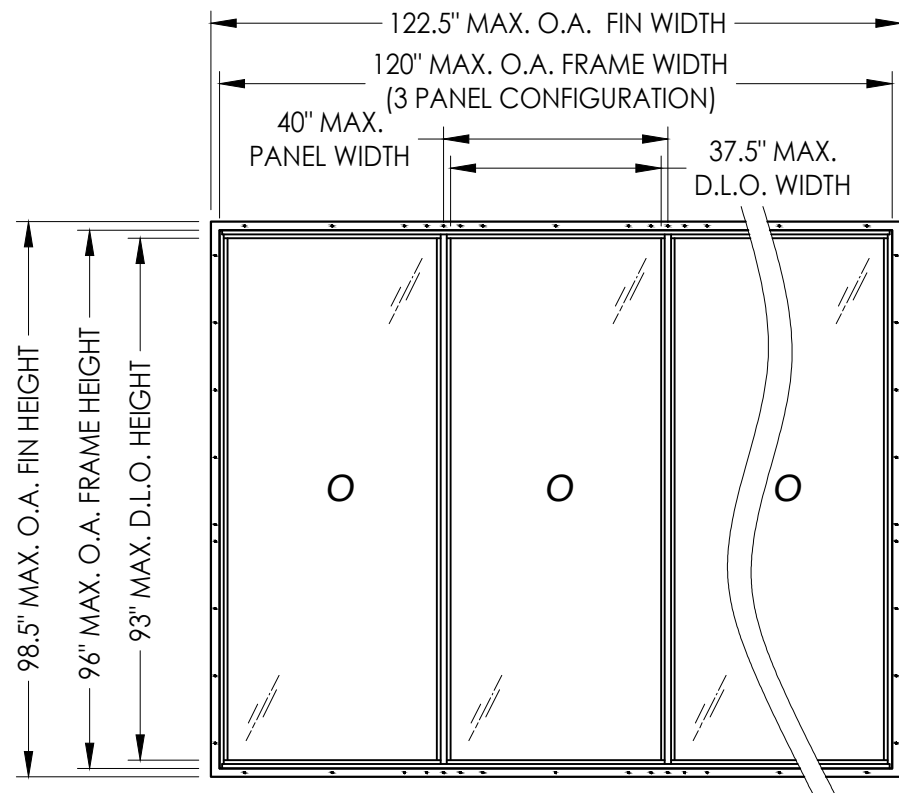
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- This product meets water infiltration requirements for "HVHZ".
- Gaskets and setting blocks shall comply with FBC Section 2411.3.4.
- 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	Elevations
3	Horizontal cross sections
4	Horizontal cross sections
5	Buck anchoring
6	Frame anchoring
7	Glazing details
8	Bill of materials and components



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
122.5" X 98.5"	120" X 96"	37.5" X 93"	G1, G2, G3, G4, G5	+65.0	-65.0

Note: 3 panels shown, however, there is not a limit on the number of panels.

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

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

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

5	7/11/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/10/20	UPDATE TO 7TH ED. (2020) FBC	DAC
3	08/03/17	UPDATE TO 6TH ED. (2017) FBC	LFS
2	08/22/16	REVISE SERIES NAME	JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE		BY

REVISIONS

DATE: 2/26/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16925.2

SHEET 1 OF 8

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Phone No.: 813.659.9197
FBPE Registry No. 9813

The diagram shows a three-panel folding screen (byōbu) with a central figure and a river scene. The central panel features a figure (O) with a circular emblem containing the numbers 4 and 3. The left and right panels show a river scene with a bridge and a figure (O). The right panel also includes a vertical list of numbers: 1, 4, 2, 4, 3, 4, 4, 4.

FRAME MOUNT

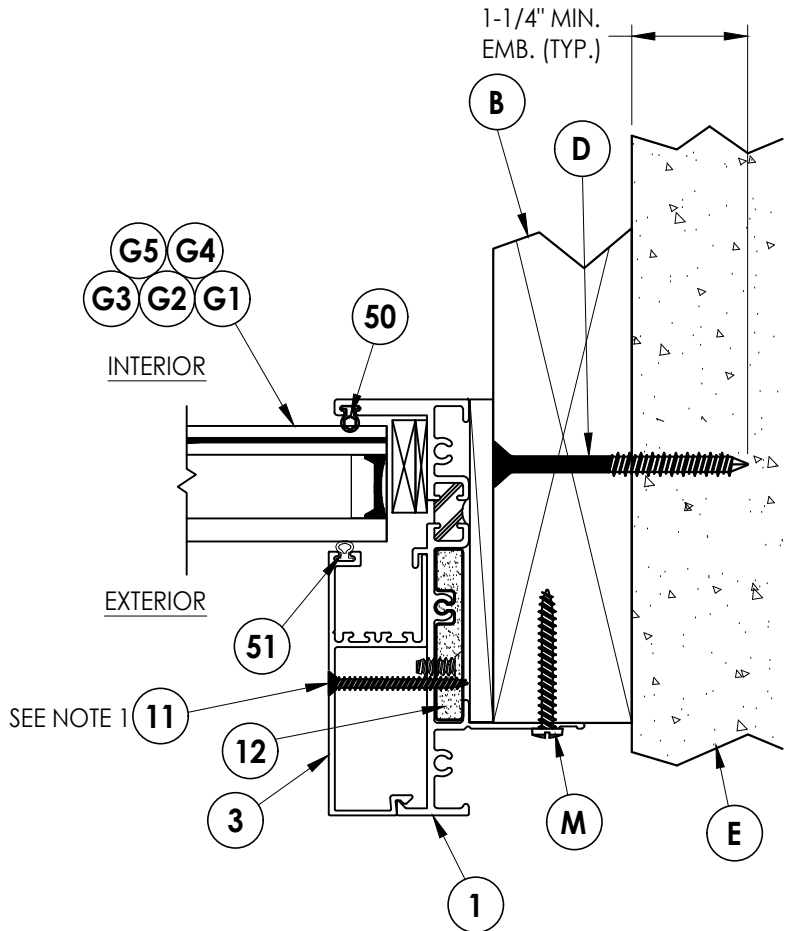
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4	8/10/20	UPDATE TO 7th ED. (2020)	FBC	DAC
3	08/03/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
2	08/22/16	REVISE SERIES NAME		JK
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY
REVISIONS				
DATE: 2/26/14				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-16925.2				
SHEET 2 OF 8				

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

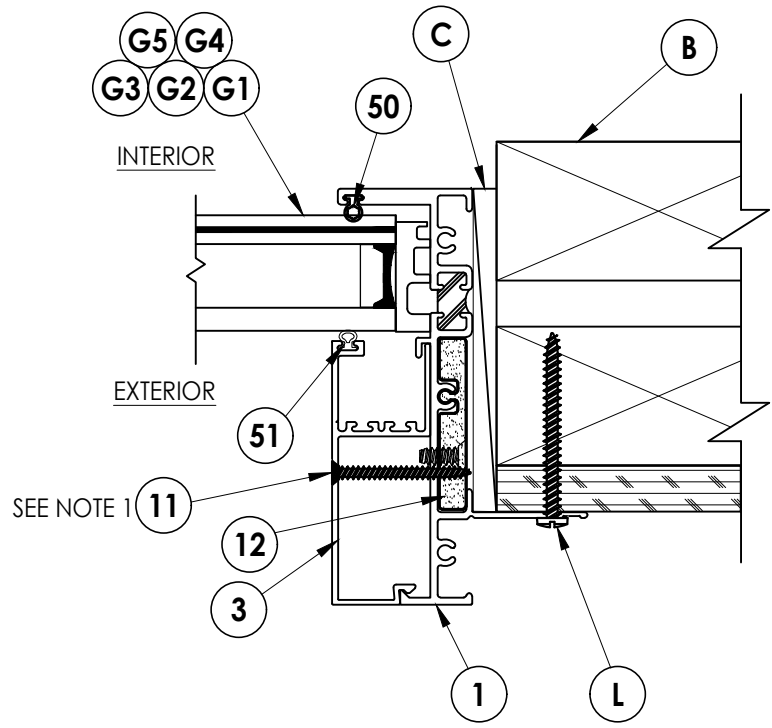
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:

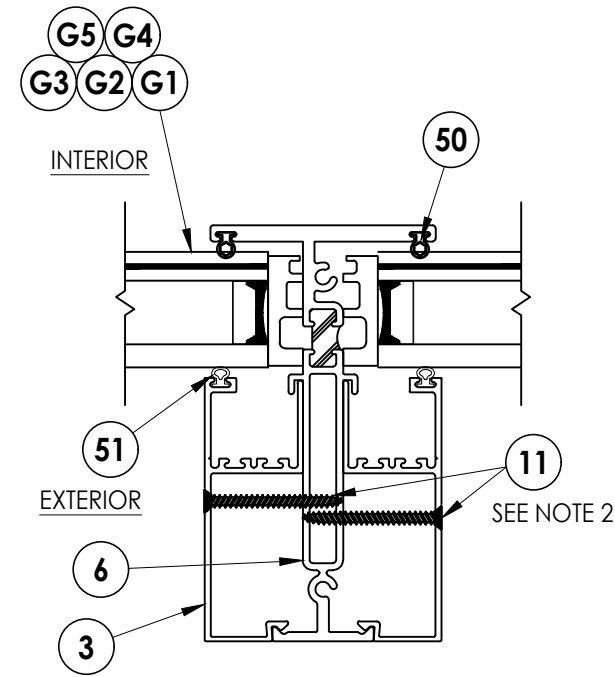
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1
3 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck option



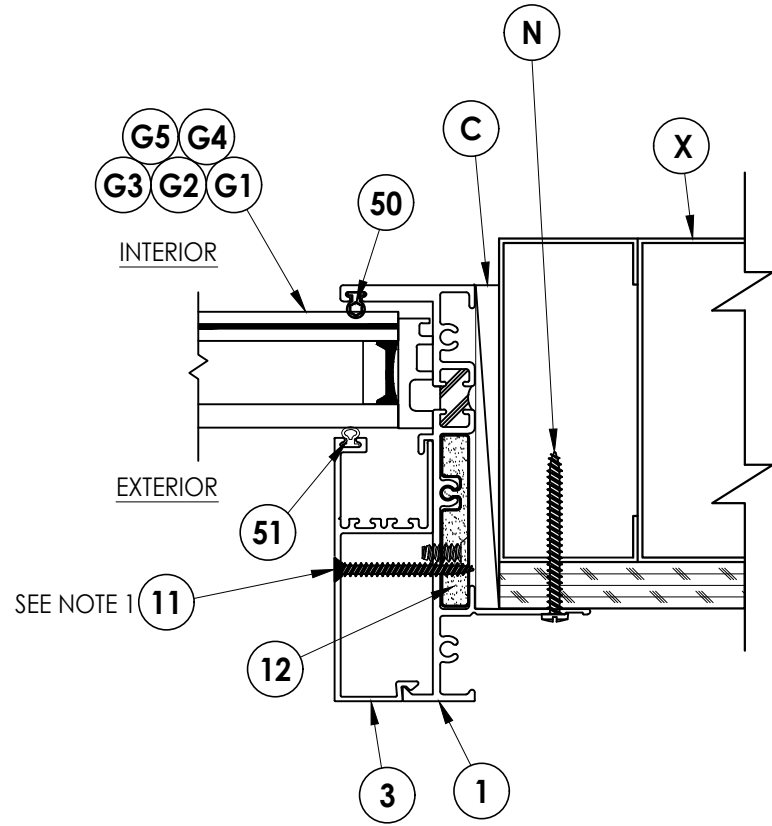
2
3 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Stud option



4
3 **HORIZONTAL CROSS SECTION**

- NOTES:
- Item #11 located 6" from each end and one in center along jambs (3 total).
 - Item #11 located 5" from each end and at 12" o.c. thereafter along mullions (8 total each face).

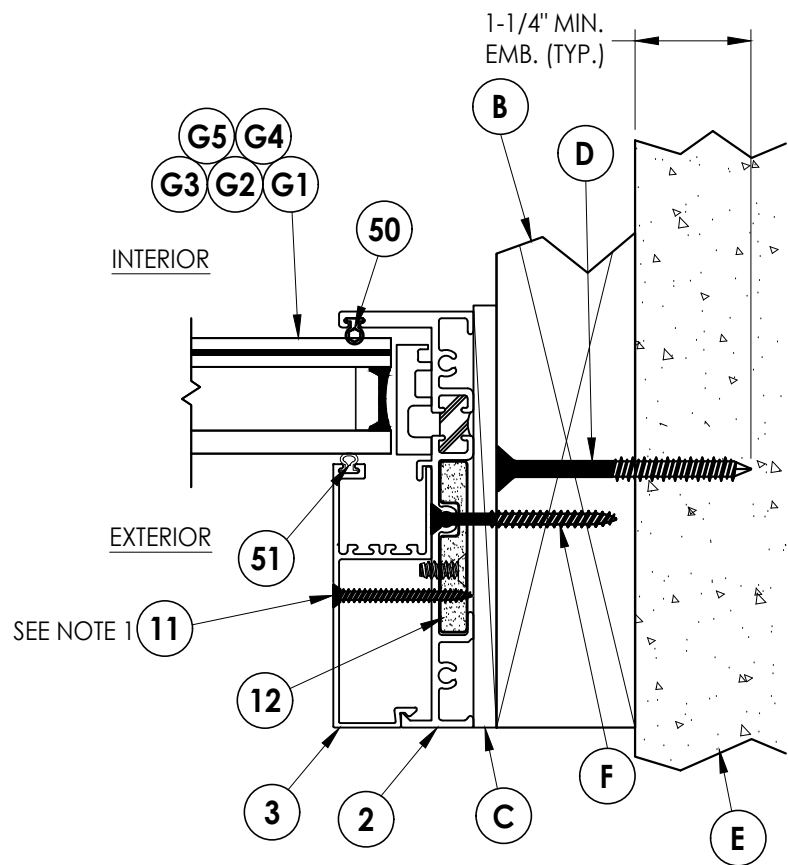
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads completely through metal stud. Maintain 1/2" min. edge distance.



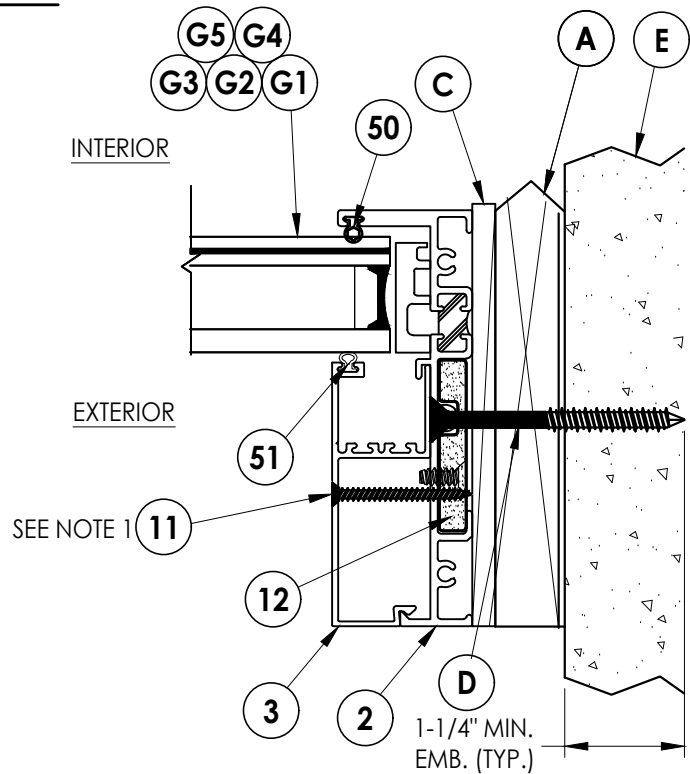
3
3 **HORIZONTAL CROSS SECTION**
Shown w/ Steel Stud option

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 CROSS SECTIONS				
5	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	REVISIONS				
4	8/10/20	UPDATE TO 7th ED. (2020)	FBC	DAC					
3	08/03/17	UPDATE TO 6TH ED. (2017)	FBC	LFS					
2	08/22/16	REVISE SERIES NAME	JK	JK					
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK					
NO.	DATE			BY					
DATE: 2/26/14									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-16925.2									
SHEET 3 OF 8									

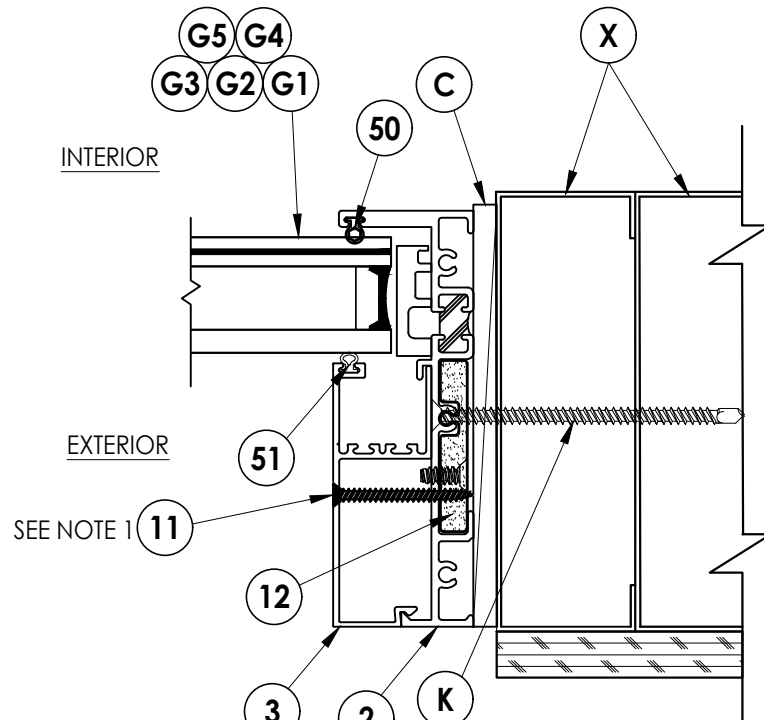
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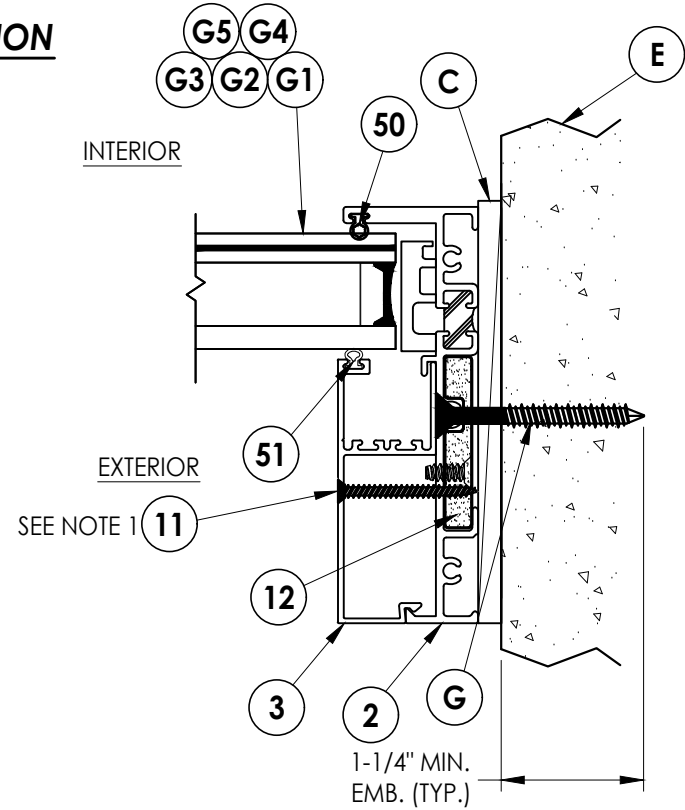
1 **HORIZONTAL CROSS SECTION**
4 Shown w/ 2X Buck option



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



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



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

NOTES:
1. Item #11 located 6" from each end and one in center along jams (3 total).

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

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Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

NO.	DATE	REVISIONS
5	7/11/23	UPDATE TO 8TH ED. (2023) FBC
4	8/10/20	UPDATE TO 7th ED. (2020) FBC
3	08/03/17	UPDATE TO 6TH ED. (2017) FBC
2	08/22/16	REVISE SERIES NAME
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
		BY

DATE: 2/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16925.2
SHEET 4 OF 8

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

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

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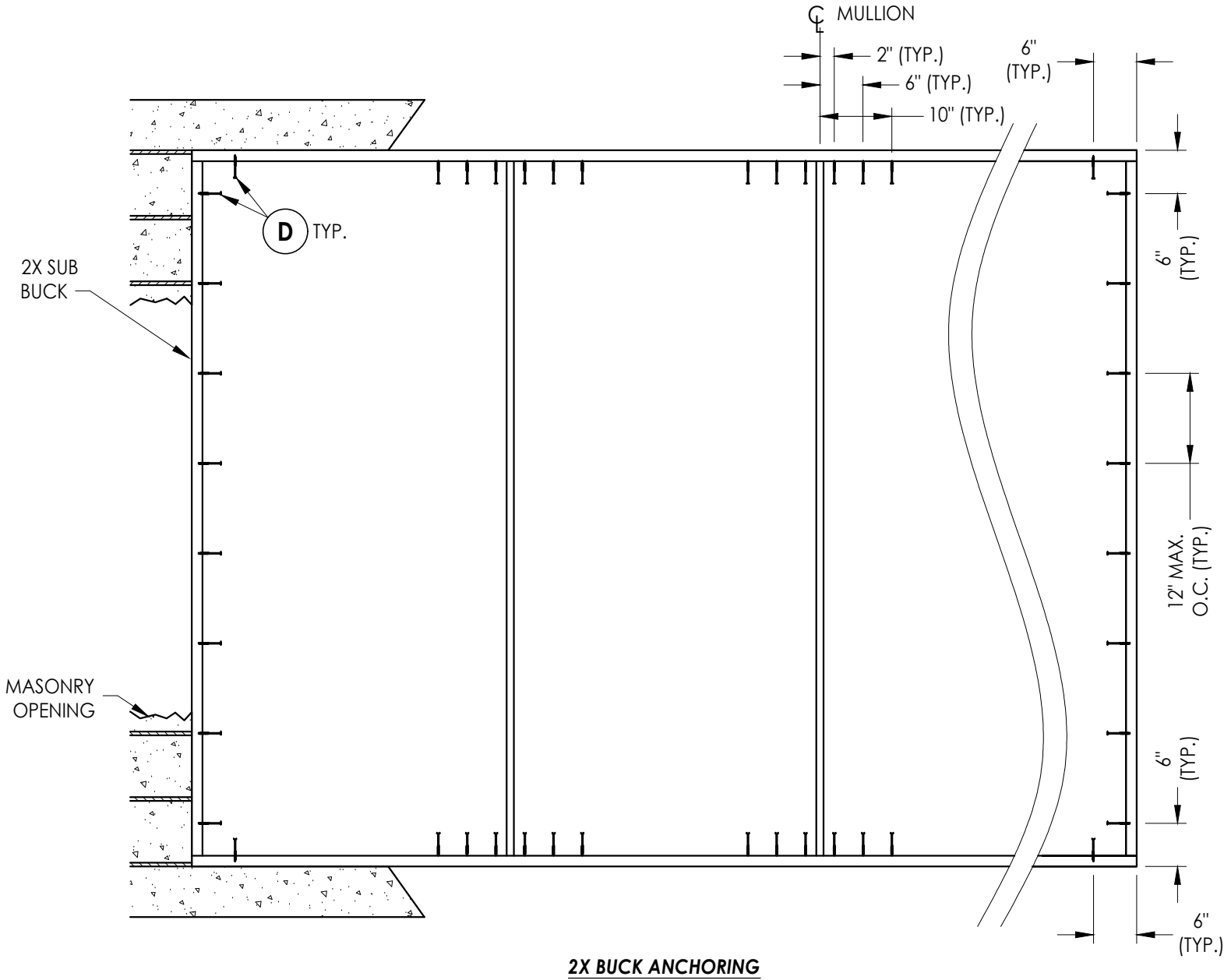
CONCRETE ANCHOR NOTES:

- 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"

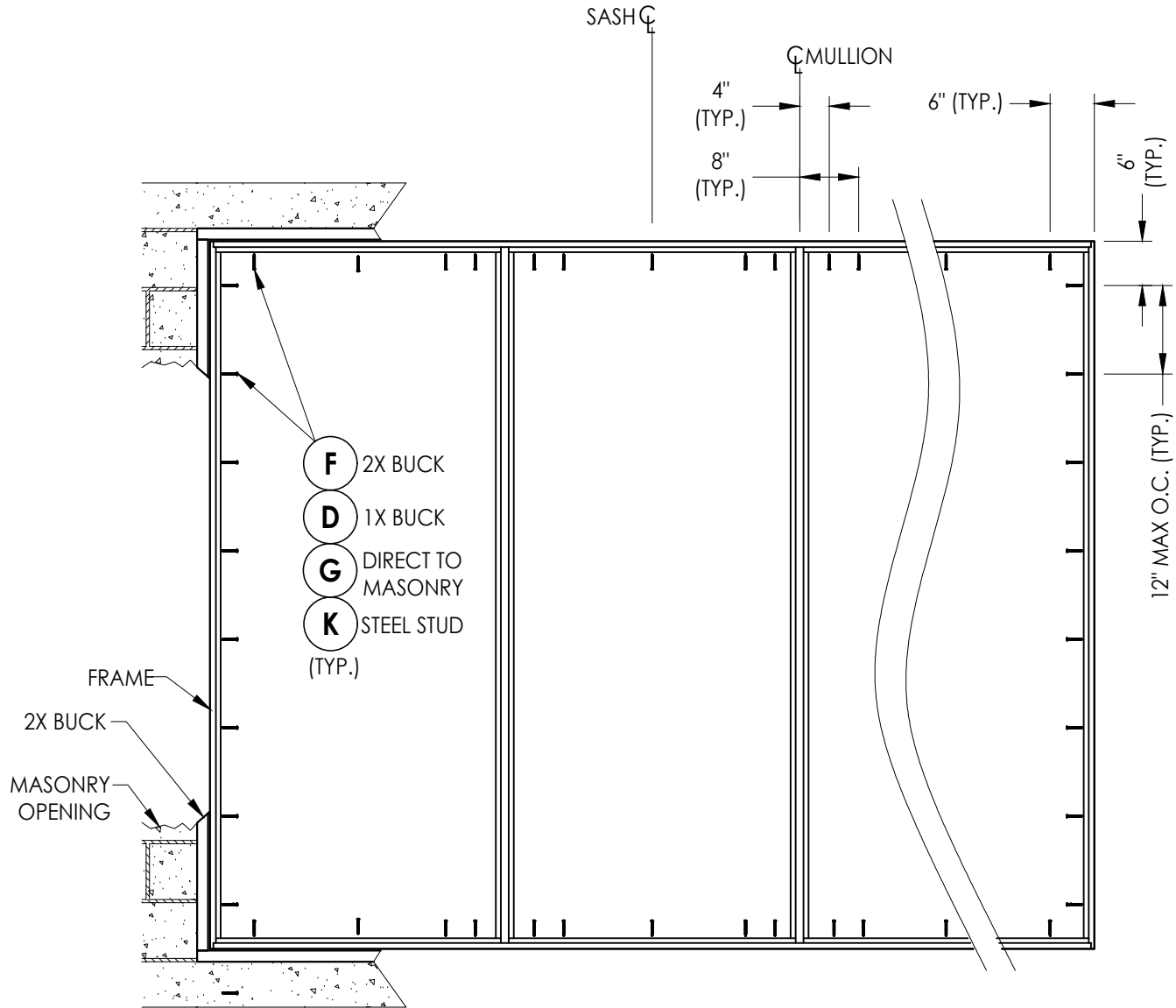
WOOD SCREW INSTALLATION NOTES:

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



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: BUCK ANCHORING		R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
5	7/11/23	UPDATE TO 8TH ED. (2023) FBC	LFS			REVISIONS	
4	8/10/20	UPDATE TO 7TH ED. (2020) FBC	DAC				
3	08/03/17	UPDATE TO 6TH ED. (2017) FBC	LFS				
2	08/22/16	REVISE SERIES NAME	JK				
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK				
NO.		DATE	BY				
DATE: 2/26/14							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-16925.2							
SHEET 5 OF 8							

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FRAME MOUNT ANCHORING

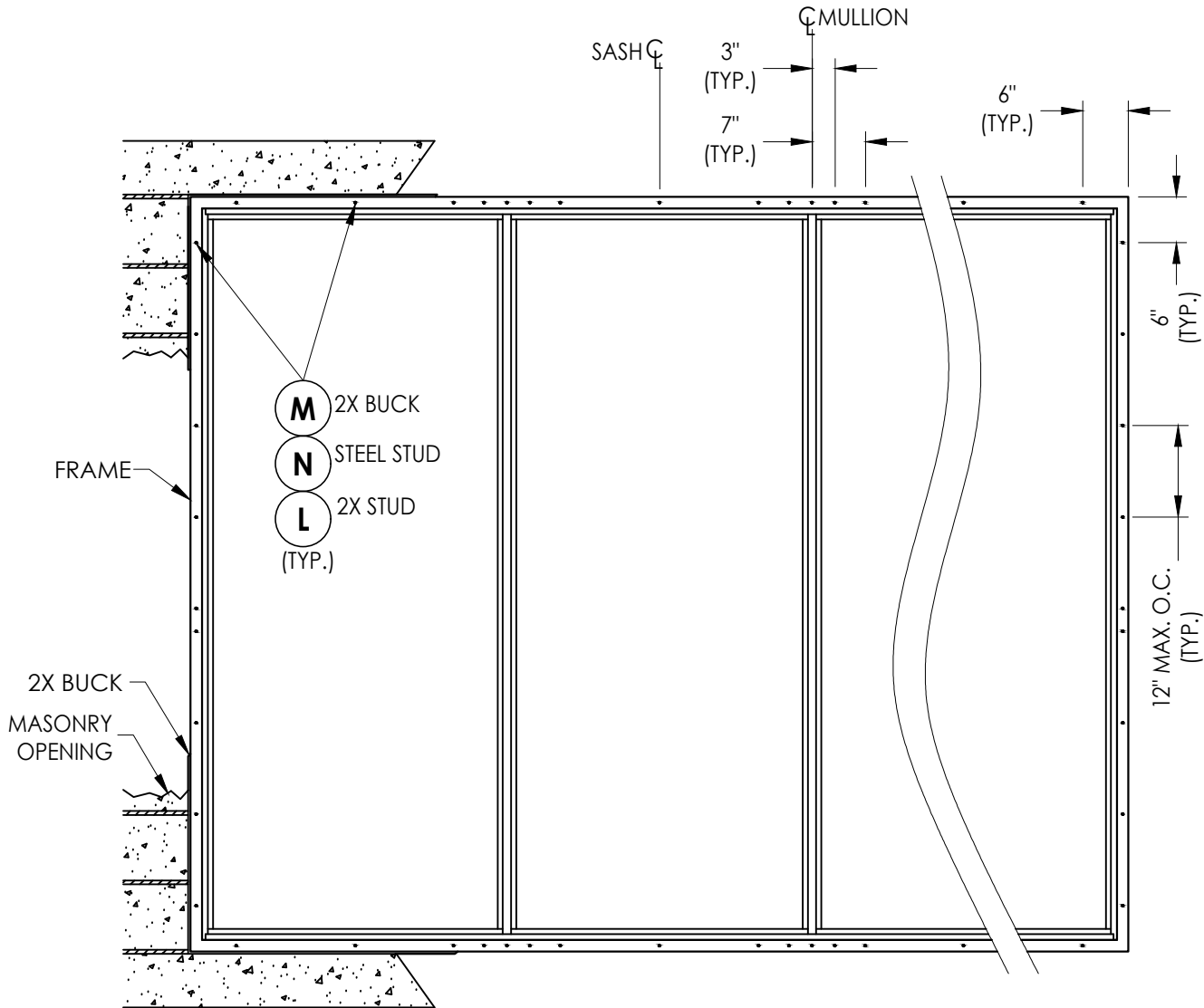
CONCRETE ANCHOR NOTES:

- 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.
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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.



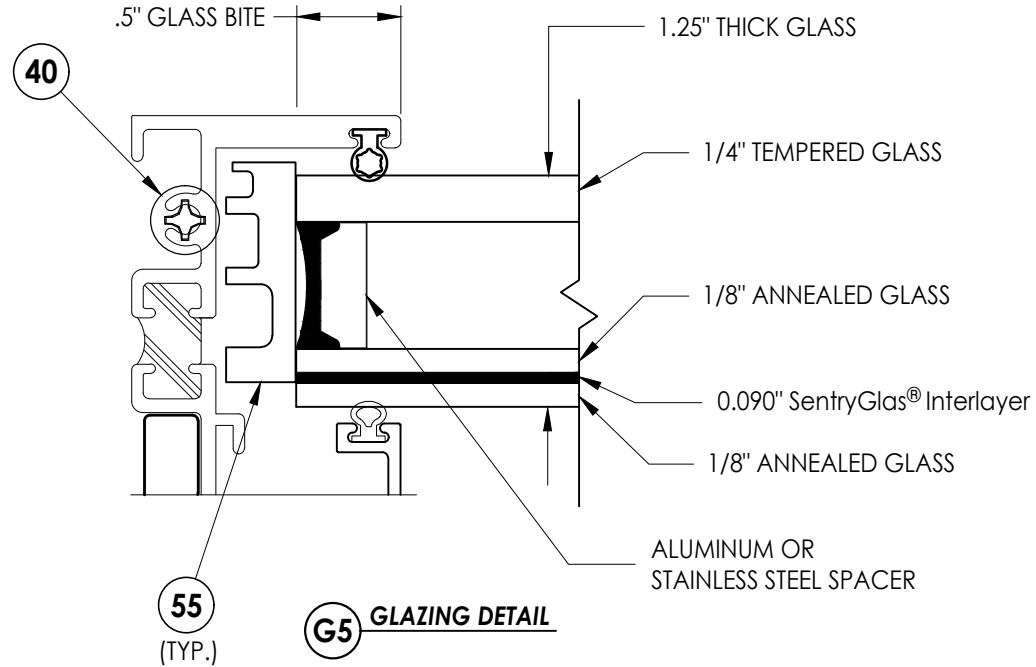
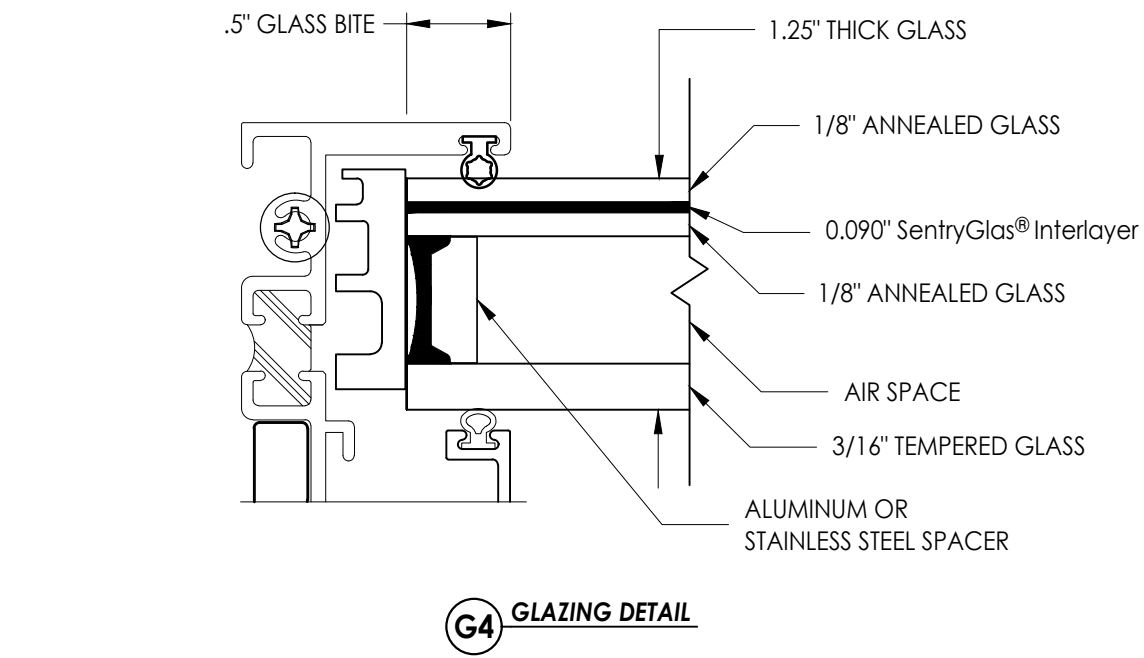
FIN MOUNT ANCHORING

PRODUCT:		FLEETWOOD WINDOWS AND DOORS			
PART OR ASSEMBLY:		FRAME ANCHORING			
5	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
3	08/03/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
2	08/22/16	REVISE SERIES NAME		JK	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
NO.	DATE	REVISIONS			
DATE: 2/26/14					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-16925.2					
SHEET 6 OF 8					

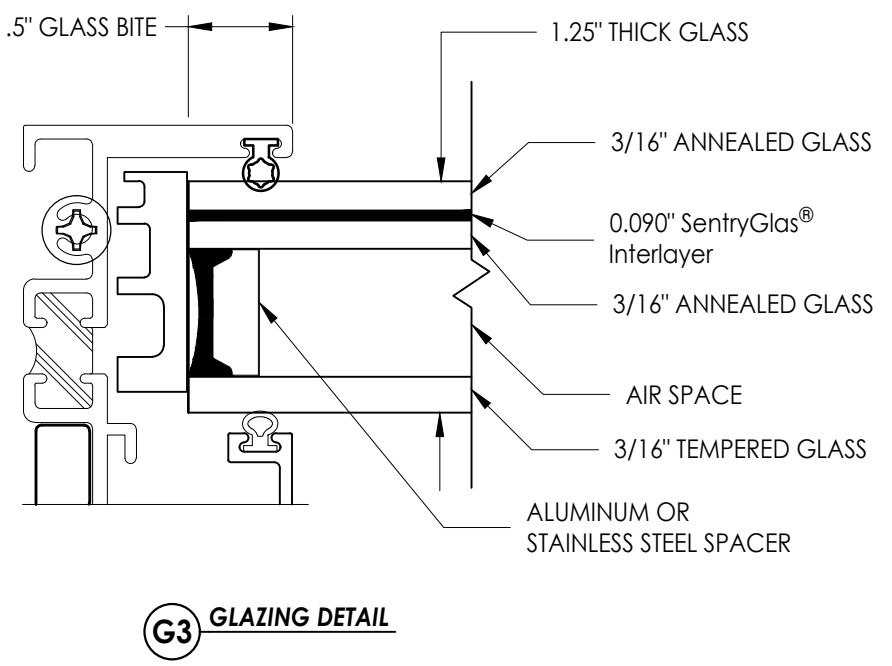
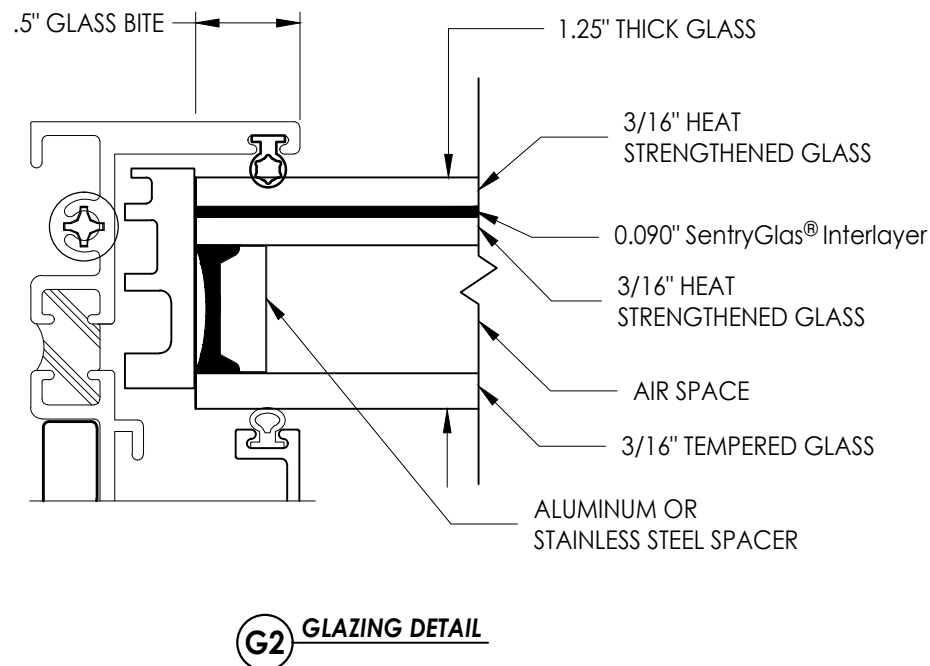
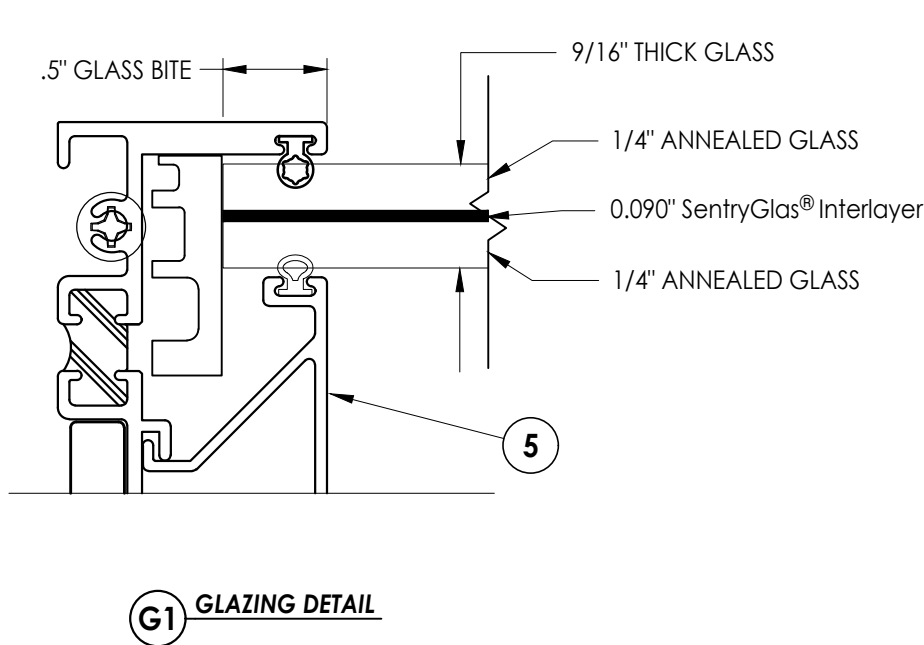
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

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



NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
5	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
3	08/03/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
2	08/22/16	REVISE SERIES NAME		JK	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
				BY	

DATE:	2/26/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16925.2
SHEET	7 OF 8

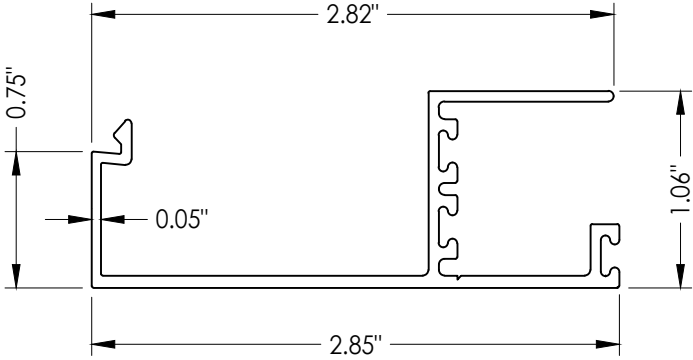
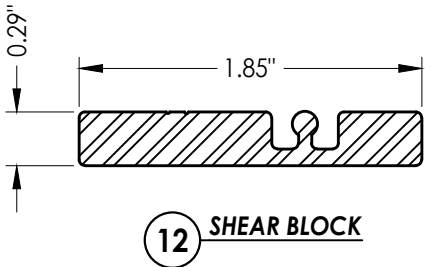
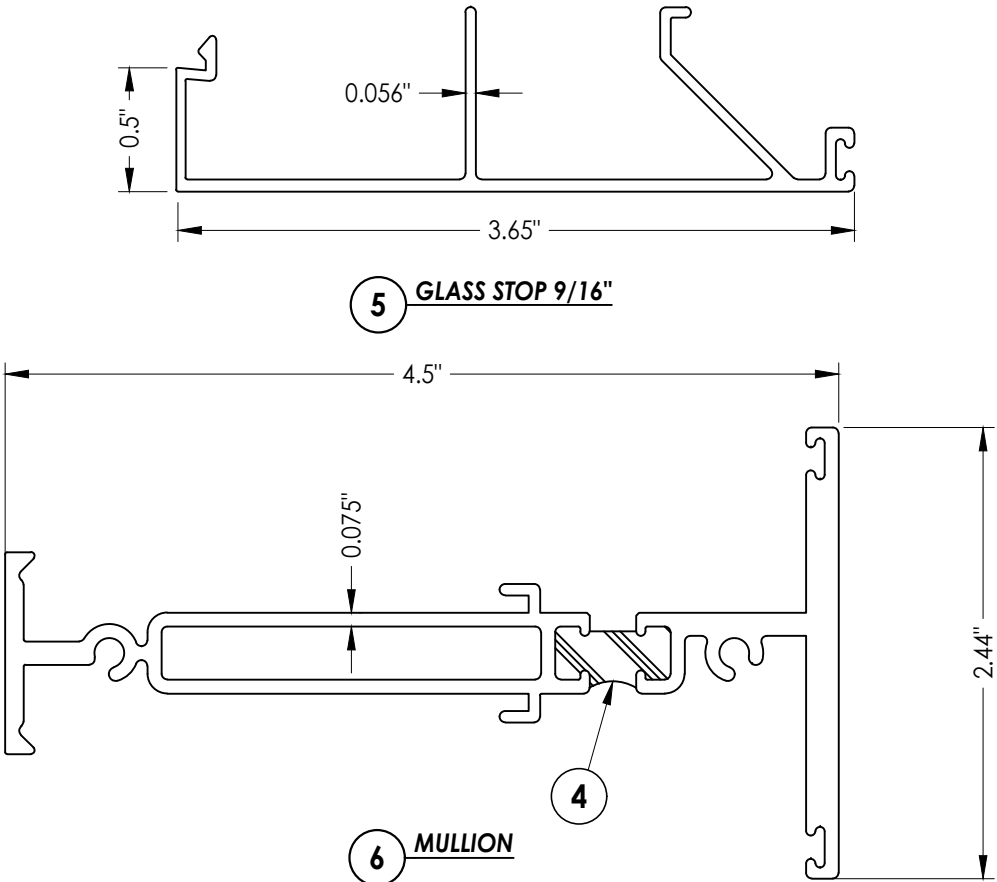
PRODUCT:	FLEETWOOD WINDOWS AND DOORS
PART OR ASSEMBLY:	GLAZING DETAILS

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

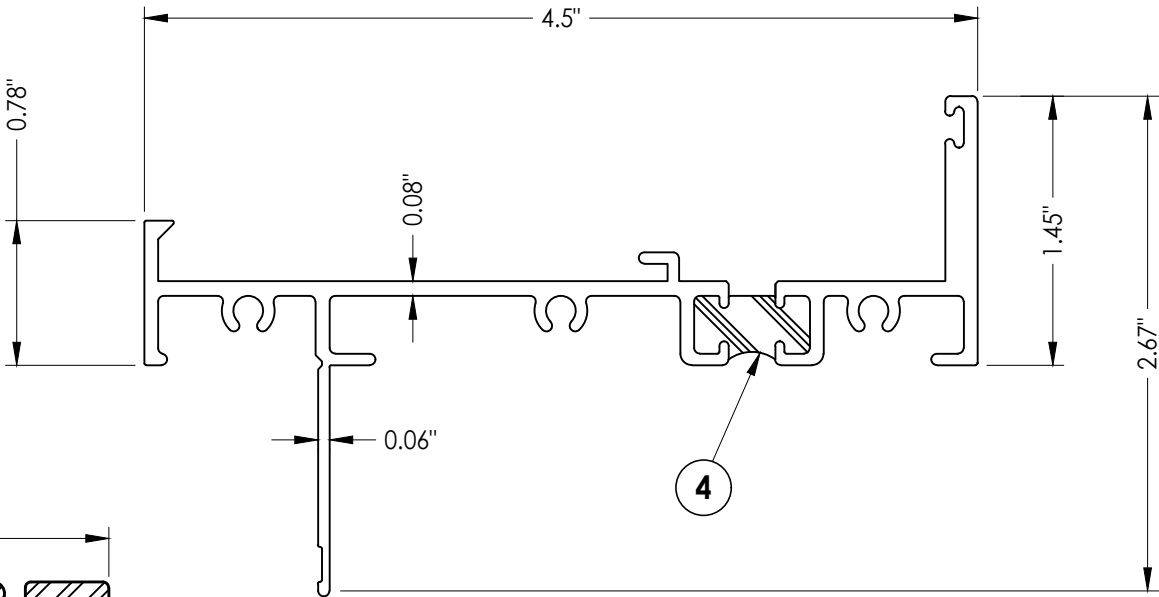

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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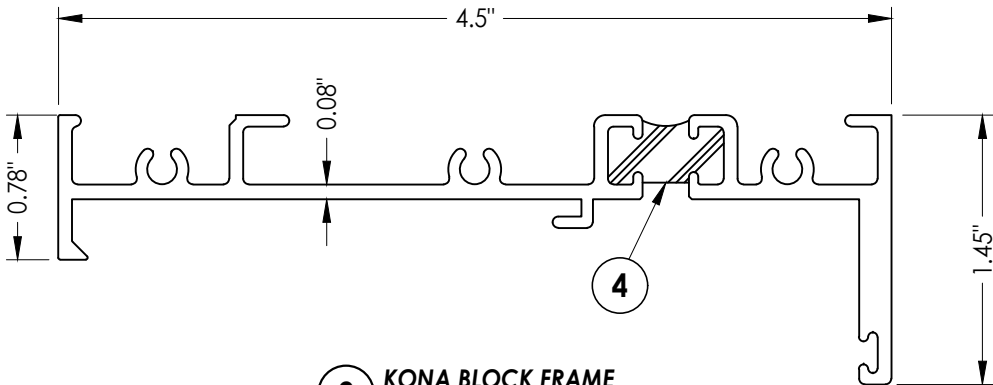
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
G	1/4" x 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
K	#10 FH SELF-DRILLING SMS	STEEL
L	#10 X 2" PPH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
M	#10 X 1-1/2" PPH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
N	#10 PH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	KONA FIN BLOCK FRAME	6063-T6 ALUM
2	KONA BLOCK FRAME	6063-T6 ALUM
3	GLASS STOP (1-1/4")	6063-T6 ALUM
4	THERMAL BREAK ("LIQUID POLYURETHANE" by Azon USA, Inc.)	-
5	GLASS STOP (1-1/4")	6063-T6 ALUM
6	MULLION	6063-T6 ALUM
11	#8 X 1-1/2" PFH SMS	STEEL
12	SHEAR BLOCK	6061-T6 ALUM
40	#10 X 1" PPH SMS	STEEL
50	BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
51	MINI BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
55	SETTING BLOCK	-



3 GLASS STOP 1-1/4"



1 KONA FIN BLOCK FRAME



2 KONA BLOCK FRAME

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:	
REVISIONS		BILL OF MATERIALS AND COMPONENTS			
5	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/10/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
3	08/03/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
2	08/22/16	REVISE SERIES NAME		JK	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
NO.	DATE			BY	

DATE:	2/26/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16925.2
SHEET	8 OF 8