

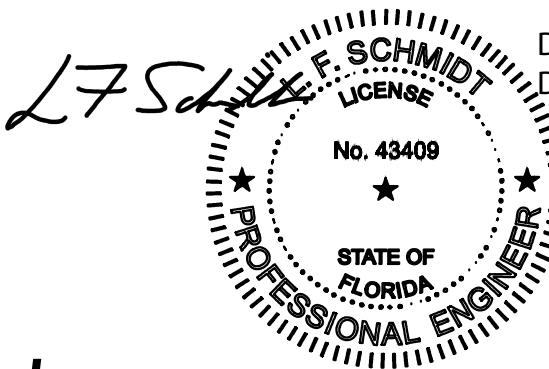


Series 3800-T
Aluminum Fixed Window
w/ Thermal Break Frame
"IMPACT"

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 FBC Section 241.1.3.4.
9. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

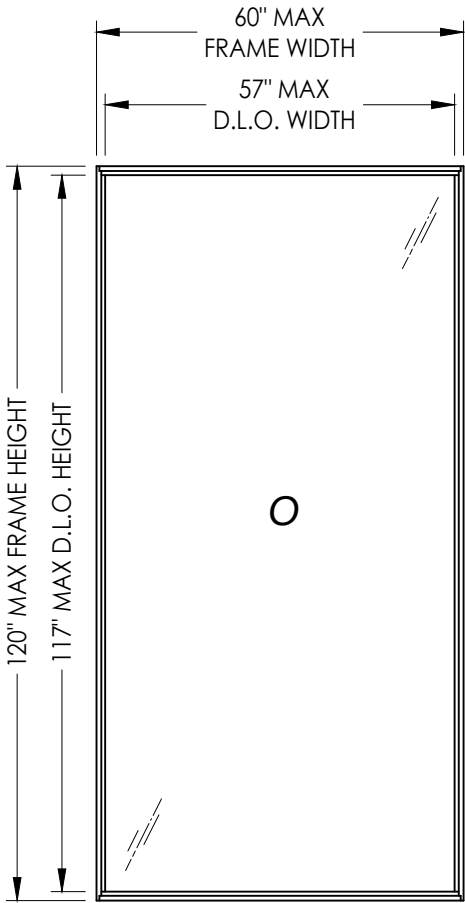
TABLE OF CONTENTS	
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1	Typical elevations, design pressures and general notes
2	Elevations
3	Horizontal cross sections
4	Fin vertical cross section
5	Buck and frame anchoring
6	Glazing details
7	Bill of materials and components



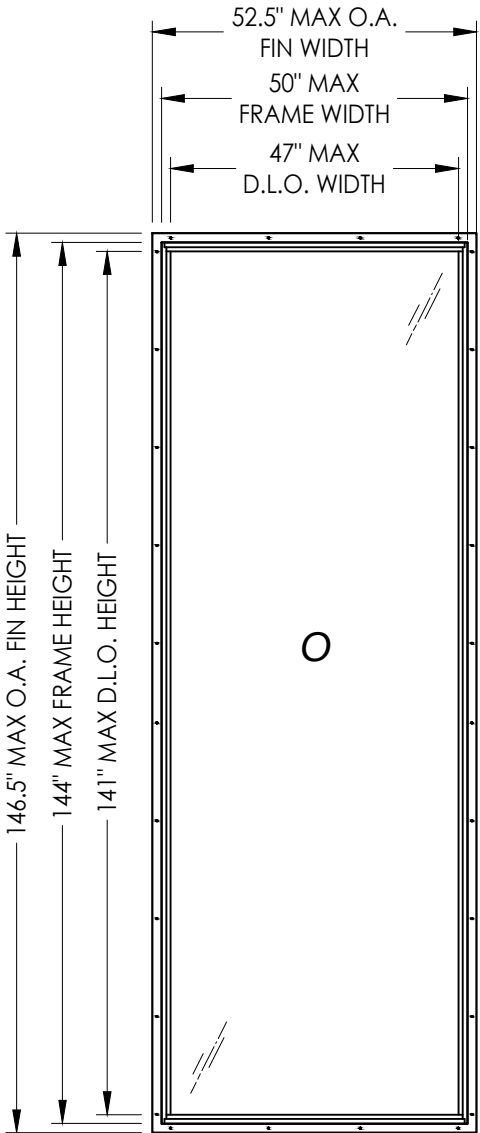
Digitally signed by Lyndon F Schmidt
Date: 2023.07.11 17:05:42 -04'00'

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



FRAME MOUNT



FIN MOUNT

OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
62.5" X 122.5"	60" X 120"	57" X 117"	G1, G2	+60.0	-60.0
52.5" X 146.5"	50" X 144"	47" X 141"	G3	+65.0	-65.0
42.5" X 98.5"	40" X 96"	37" X 93"	G4, G5	+65.0	-65.0

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

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

REVISIONS

Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE: 2/26/14

SCALE: N.T.S.

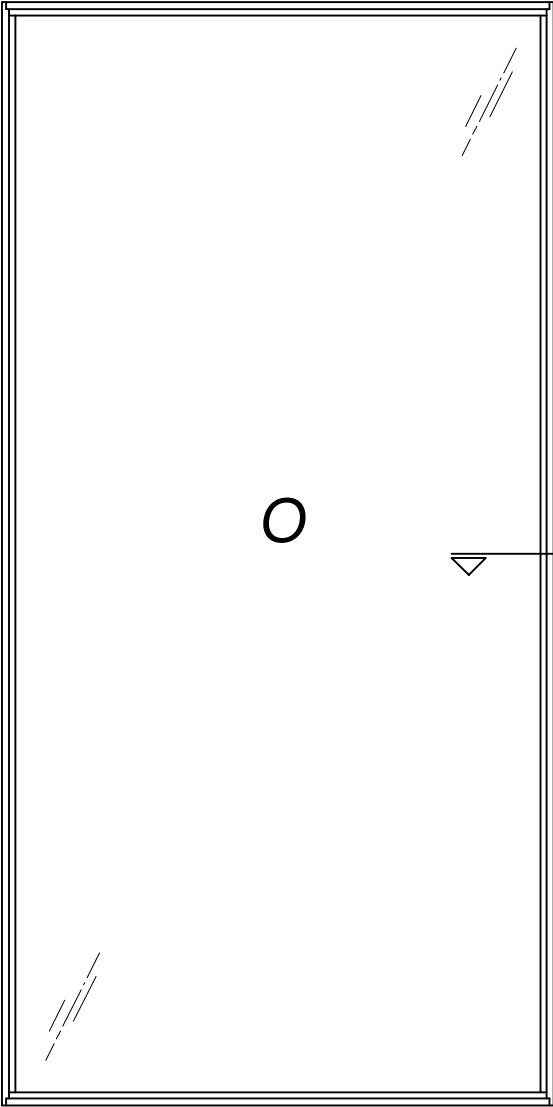
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CHK. BY: LFS

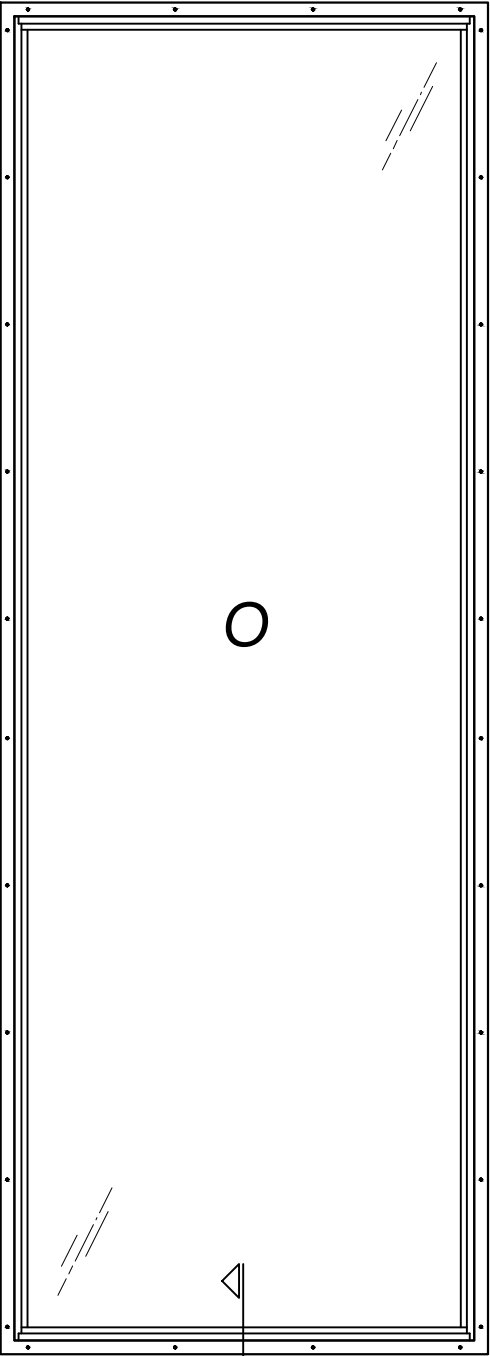
DRAWING NO.: FL-16925.1

SHEET 1 OF 7

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



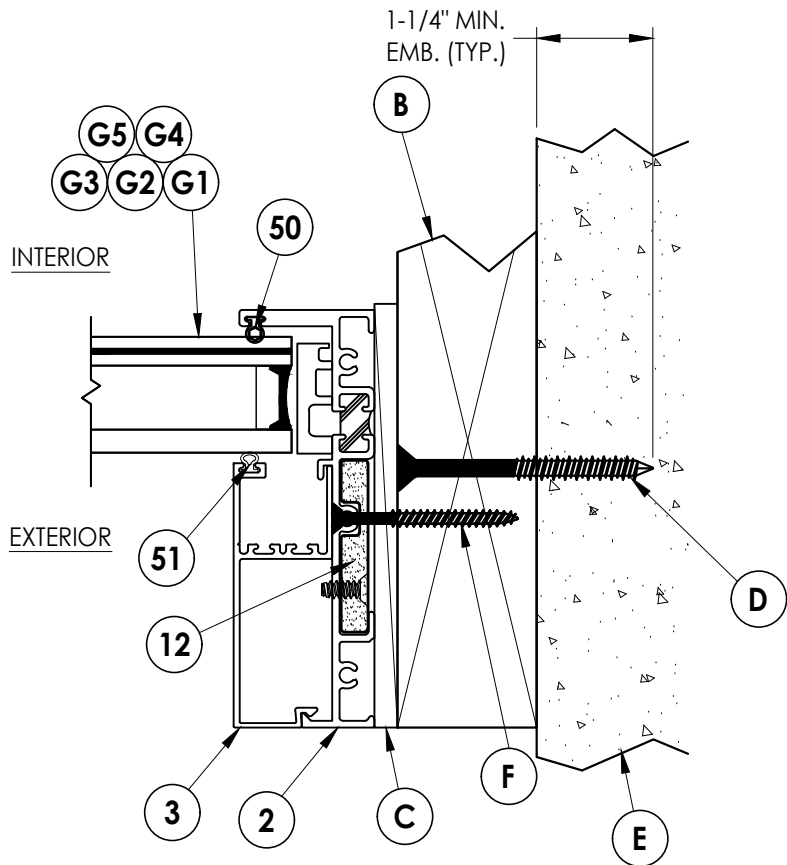
FRAME MOUNT



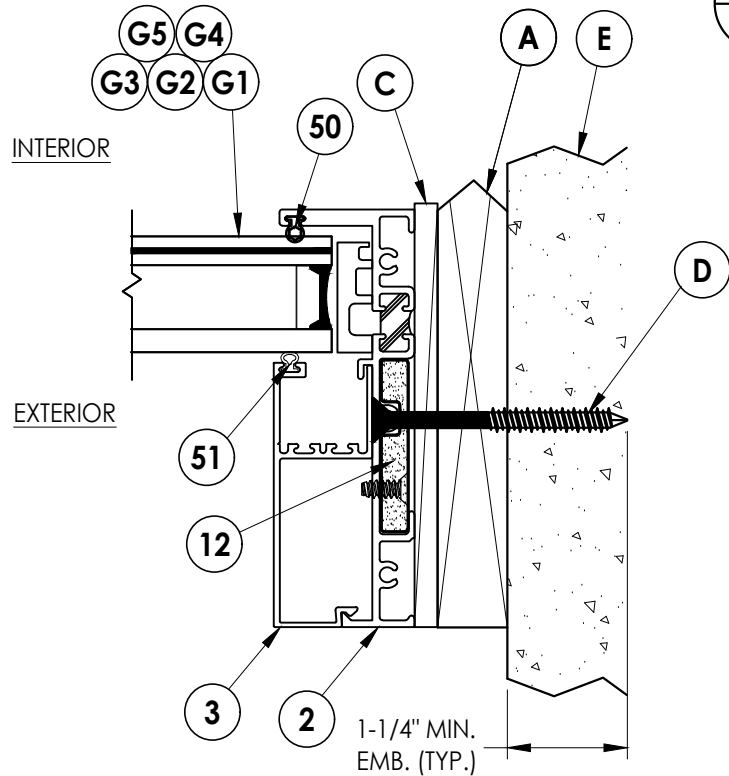
FIN MOUNT

DATE: 2/26/14		SHEET 2 OF 7	
SCALE: N.T.S.		DRAWING NO.: FL-16925.1	
DWG. BY: JK		CHK. BY: LFS	
NO. DATE		REVISES	
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		REVISES	
PART OR ASSEMBLY:		ELEVATIONS	
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	

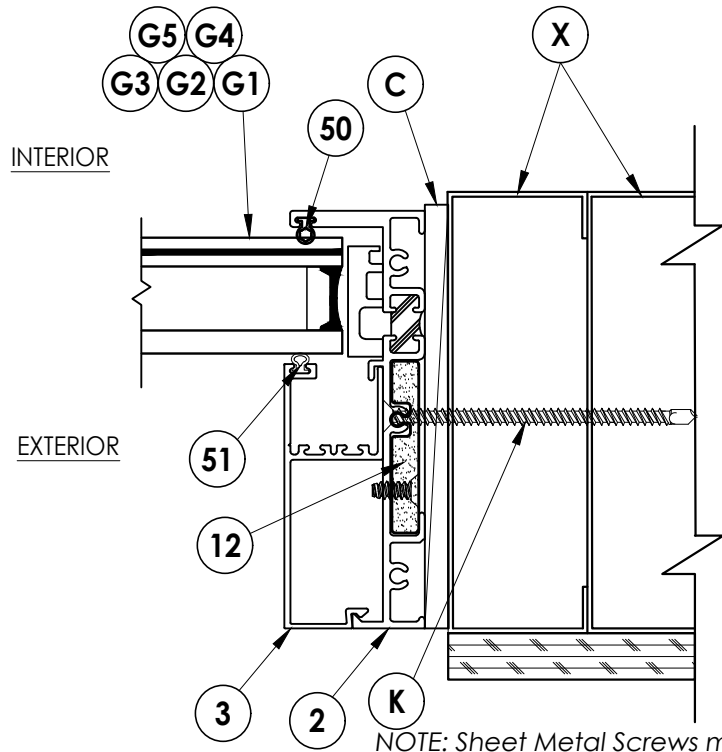
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1 **HORIZONTAL CROSS SECTION**
3 Shown w/ 2X Buck option

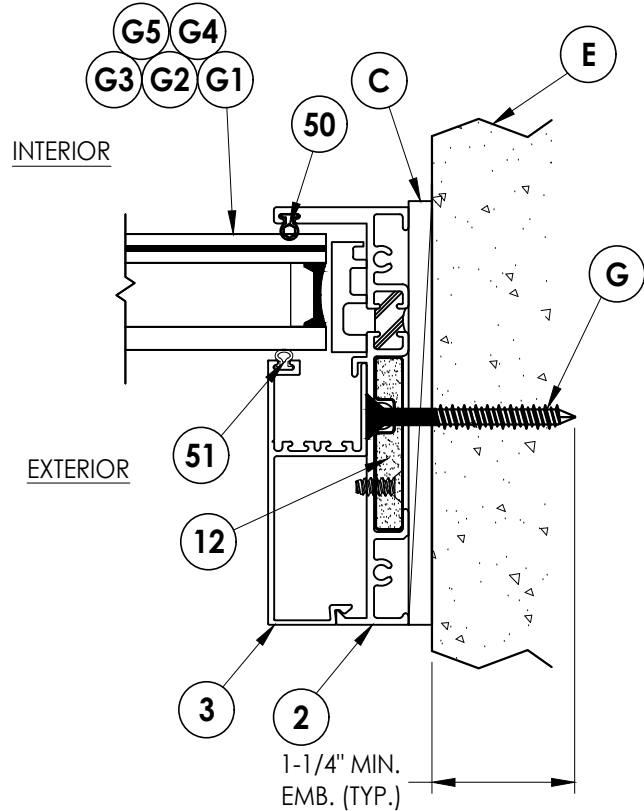


2 **HORIZONTAL CROSS SECTION**
3 Shown w/ 1X Sub buck option



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

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



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

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FBPE Registry No. 9813

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		DATE	BY	CHK.	APP.
5	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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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	

DATE: 2/26/14

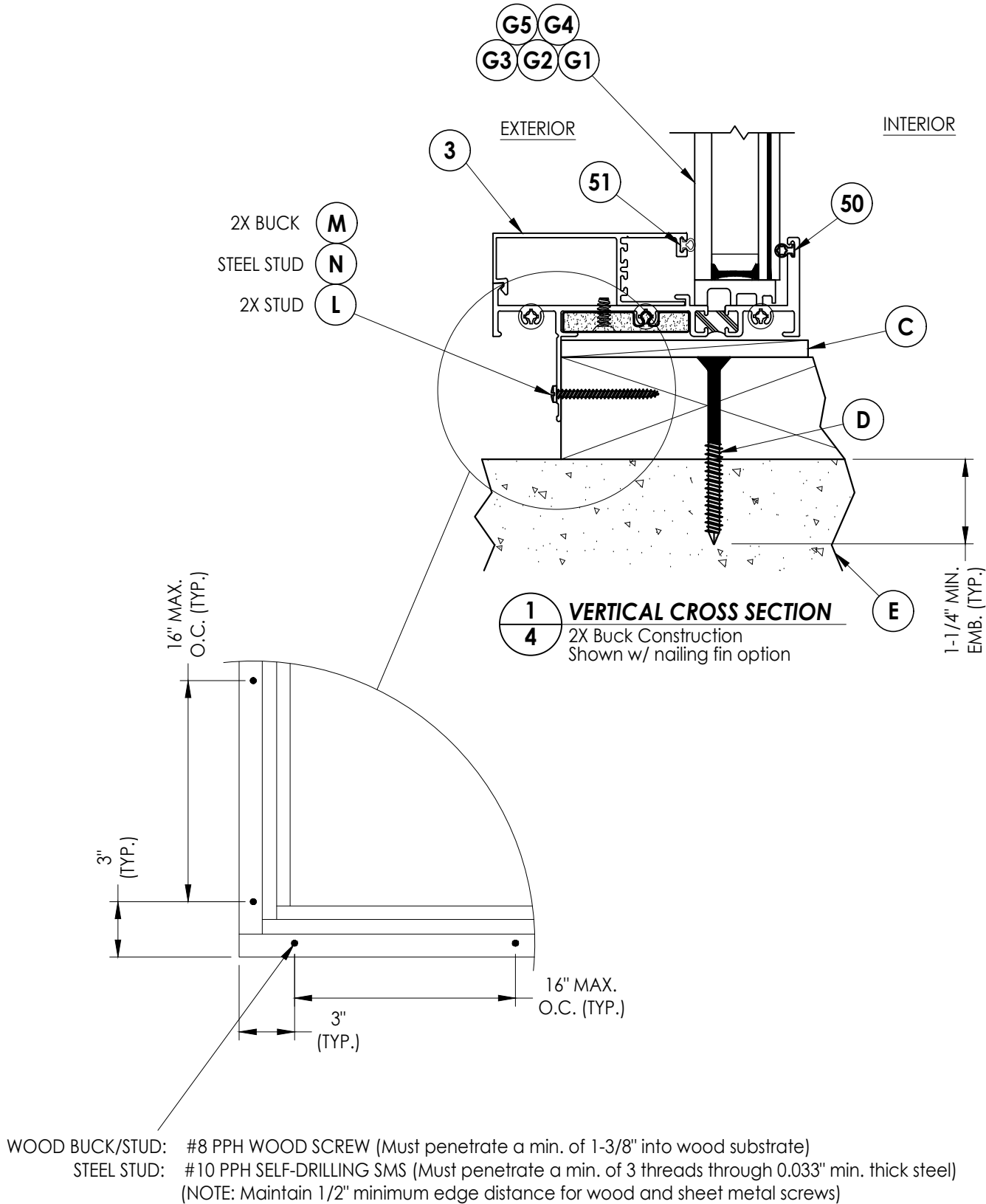
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DRAWING NO.: FL-16925.1

SHEET 3 OF 7



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
NO.	DATE	

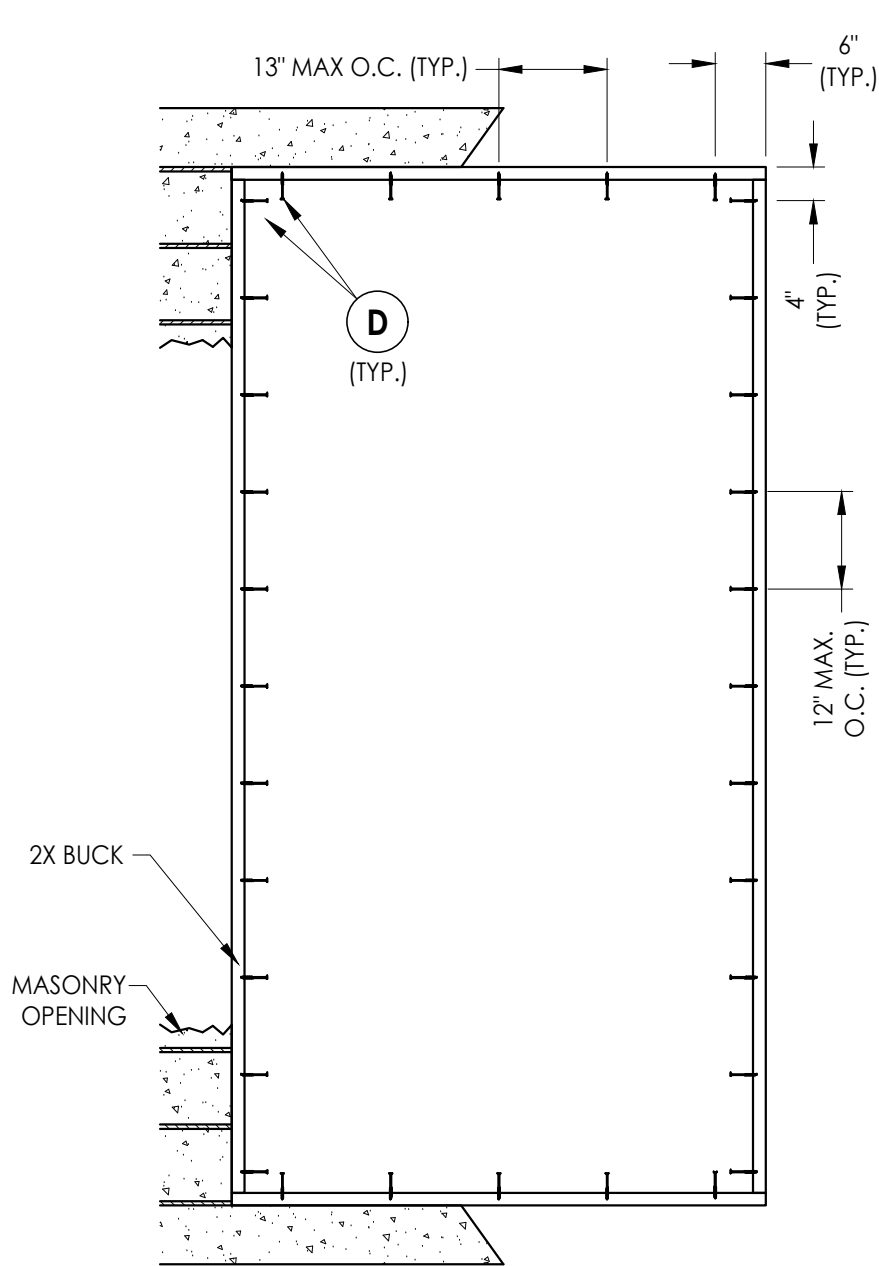
DATE: 2/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16925.1
SHEET 4 OF 7

PRODUCT:	FLEETWOOD WINDOWS AND DOORS
PART OR ASSEMBLY:	FIN VERTICAL CROSS SECTION

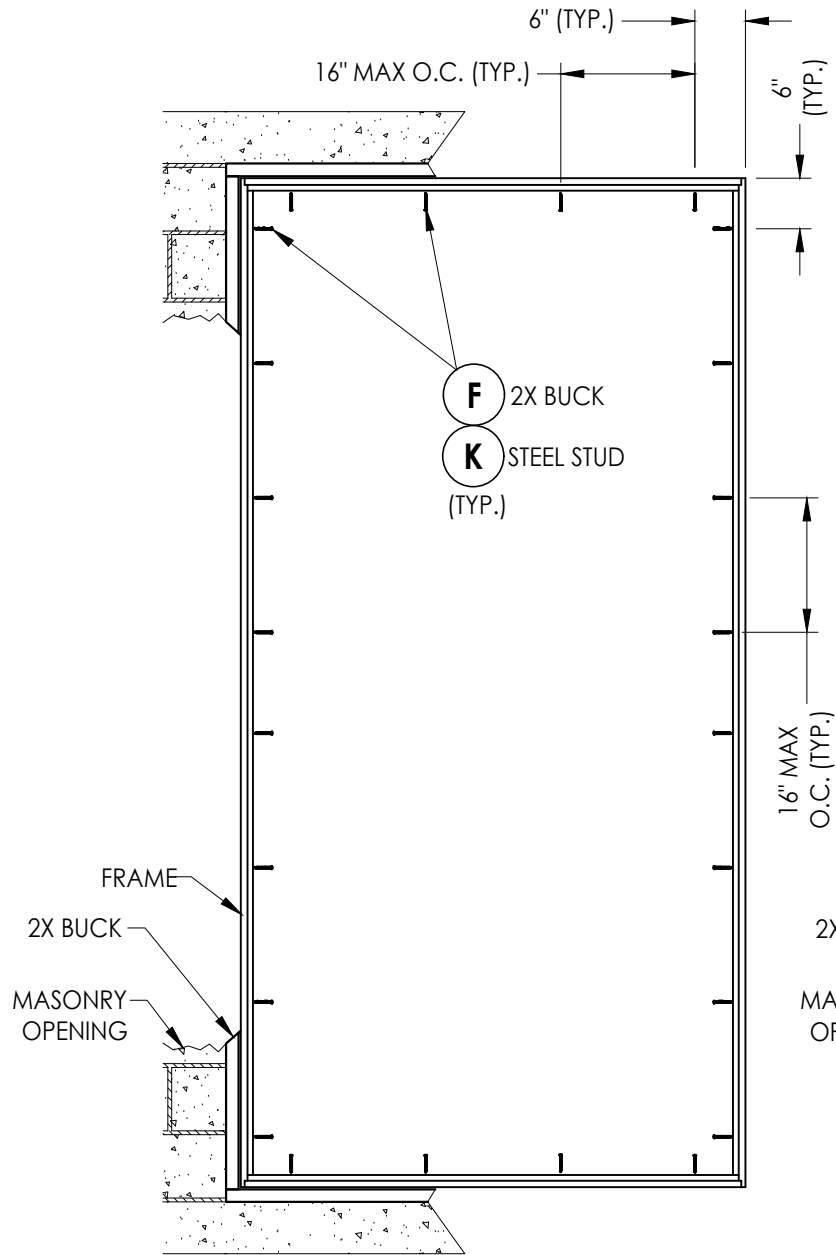
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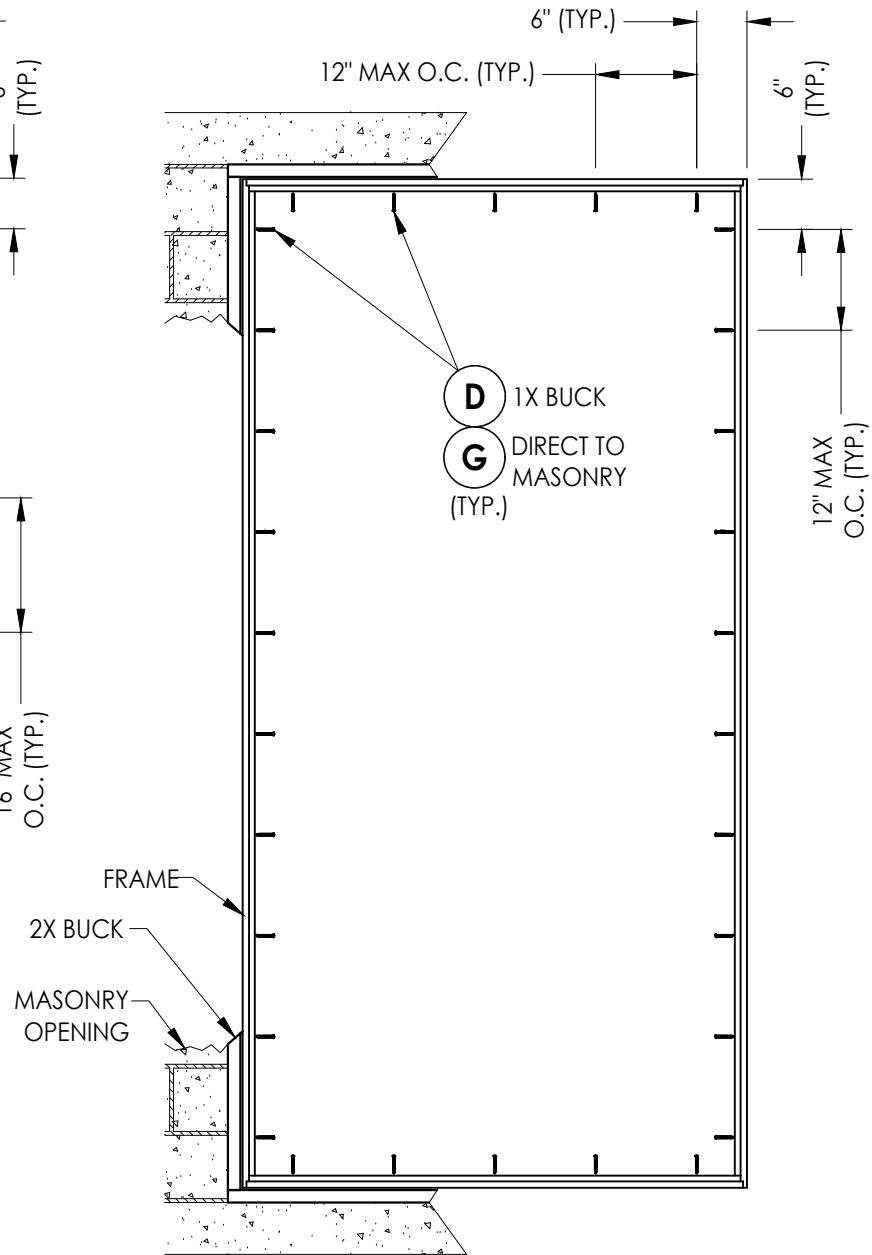
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2X BUCK ANCHORING



FRAME MOUNT ANCHORING
2X BUCK / STEEL STUD



FRAME MOUNT ANCHORING
1X BUCK / DIRECT TO MASONRY

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:

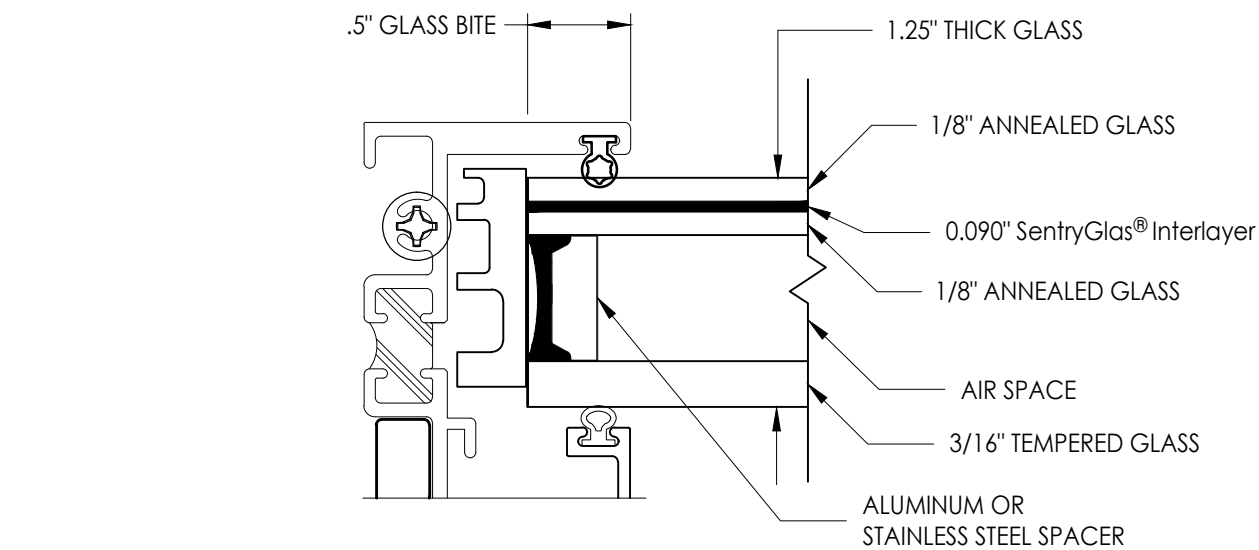
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

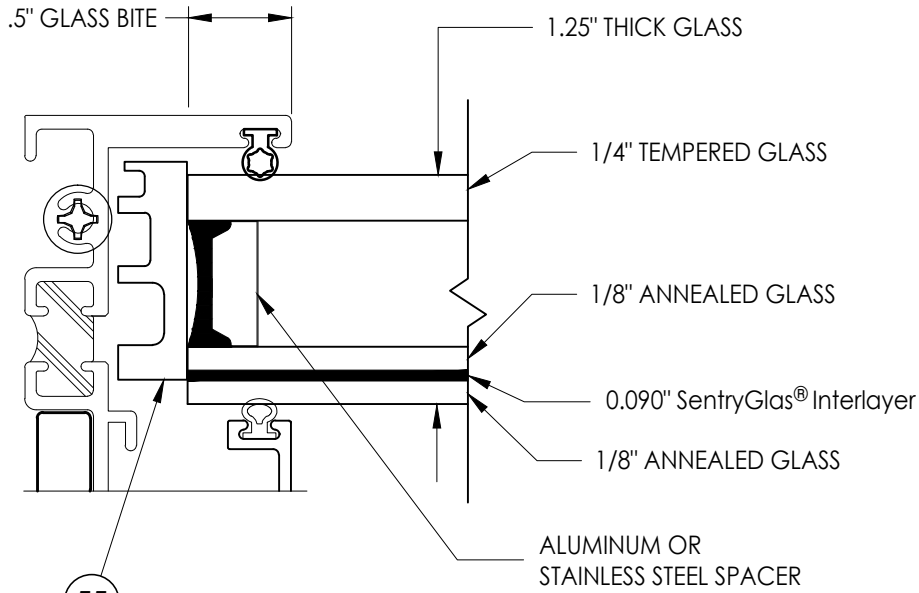
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: BUCK & FRAME ANCHORING	
5	7/11/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/10/20	UPDATE TO 7TH ED. (2020) FBC	DAC
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DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16925.1			
SHEET 5 OF 7			

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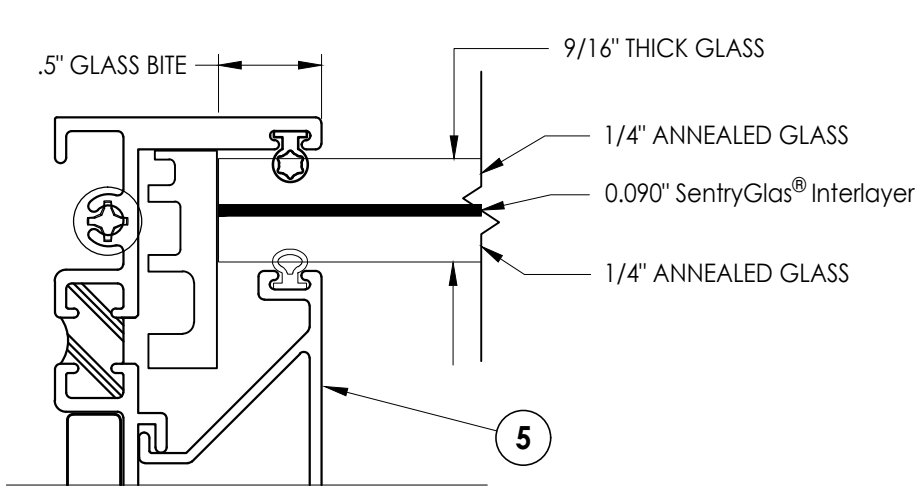


G4 GLAZING DETAIL

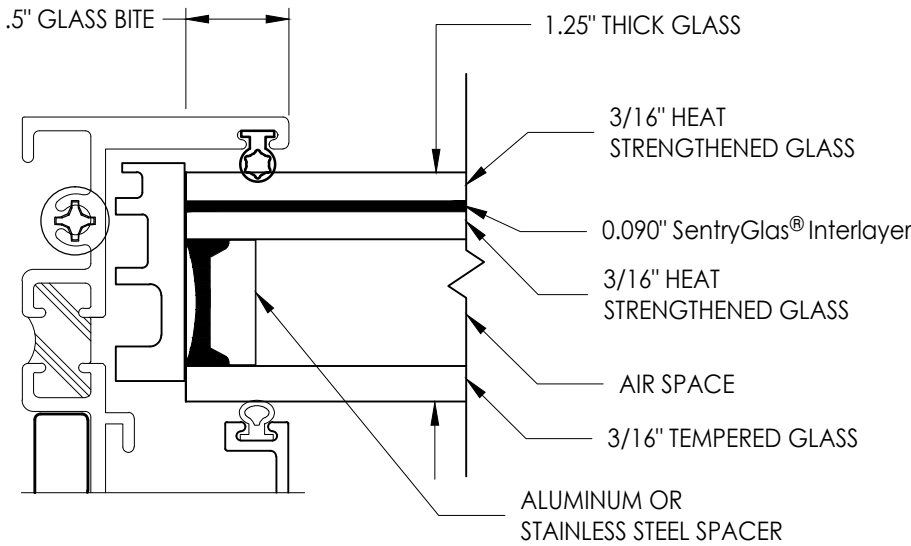


55 (TYP.) G5 GLAZING DETAIL

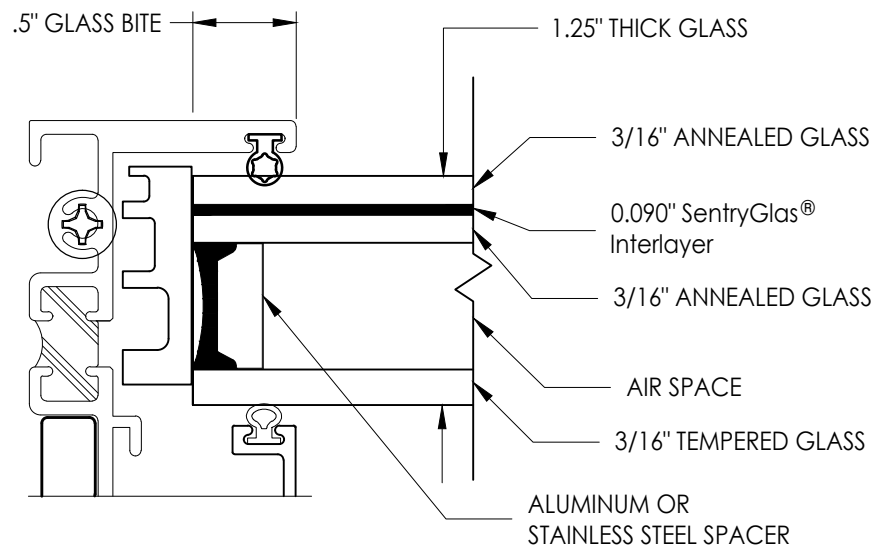
NOTE: GLAZING > 36" WIDE REQUIRES AT LEAST TWO (2) SETTING BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1.



G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
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PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:

GLAZING DETAILS

NO.	DATE	REVISIONS				
		DATE	BY	JK	LFS	DAC
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DATE: 2/26/14

SCALE: N.T.S.

DWG. BY: JK

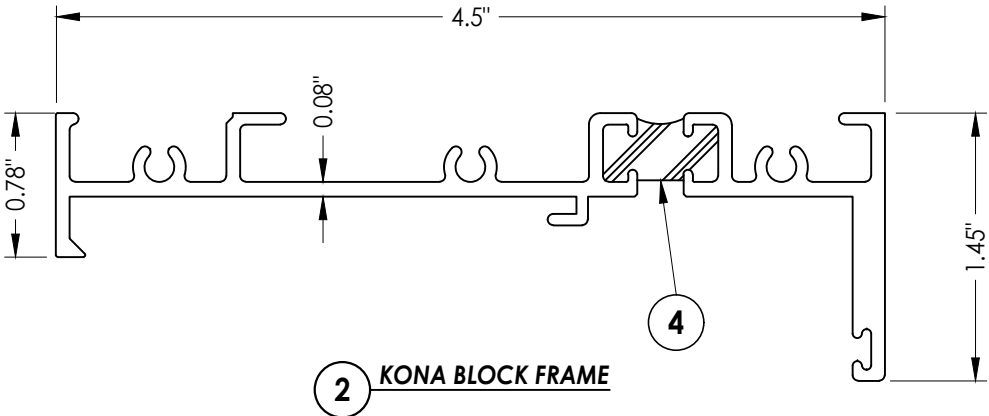
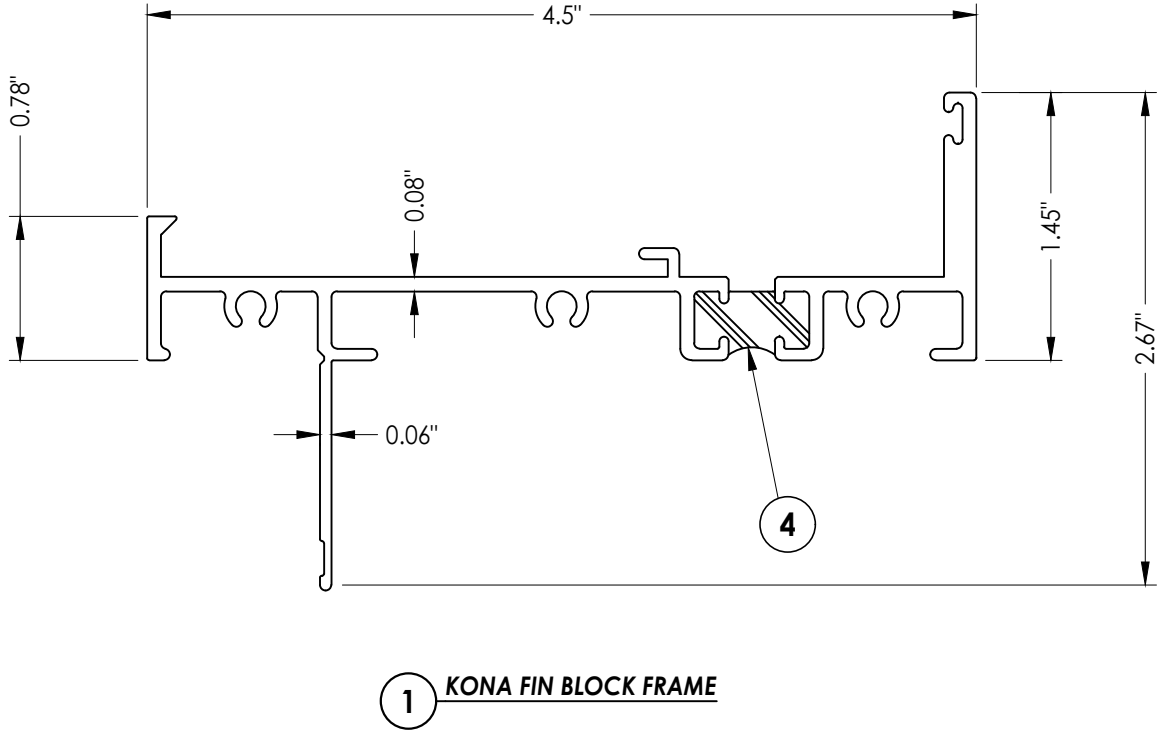
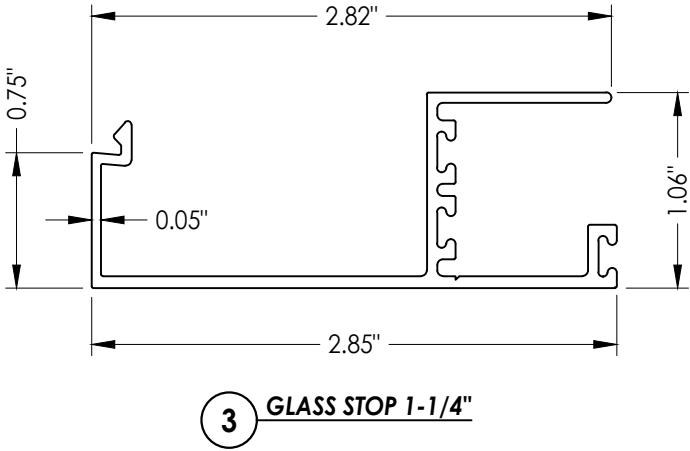
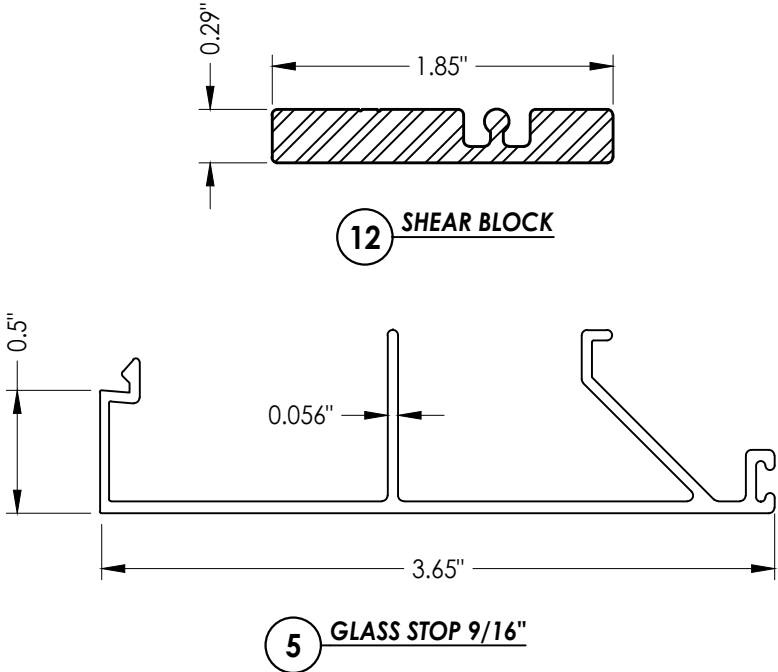
CHK. BY: LFS

DRAWING NO.:
FL-16925.1

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 - 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
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 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
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	-



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PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS	
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	JK
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE	REVISIONS	
DATE:		2/26/14	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-16925.1	
SHEET		7 OF 7	