

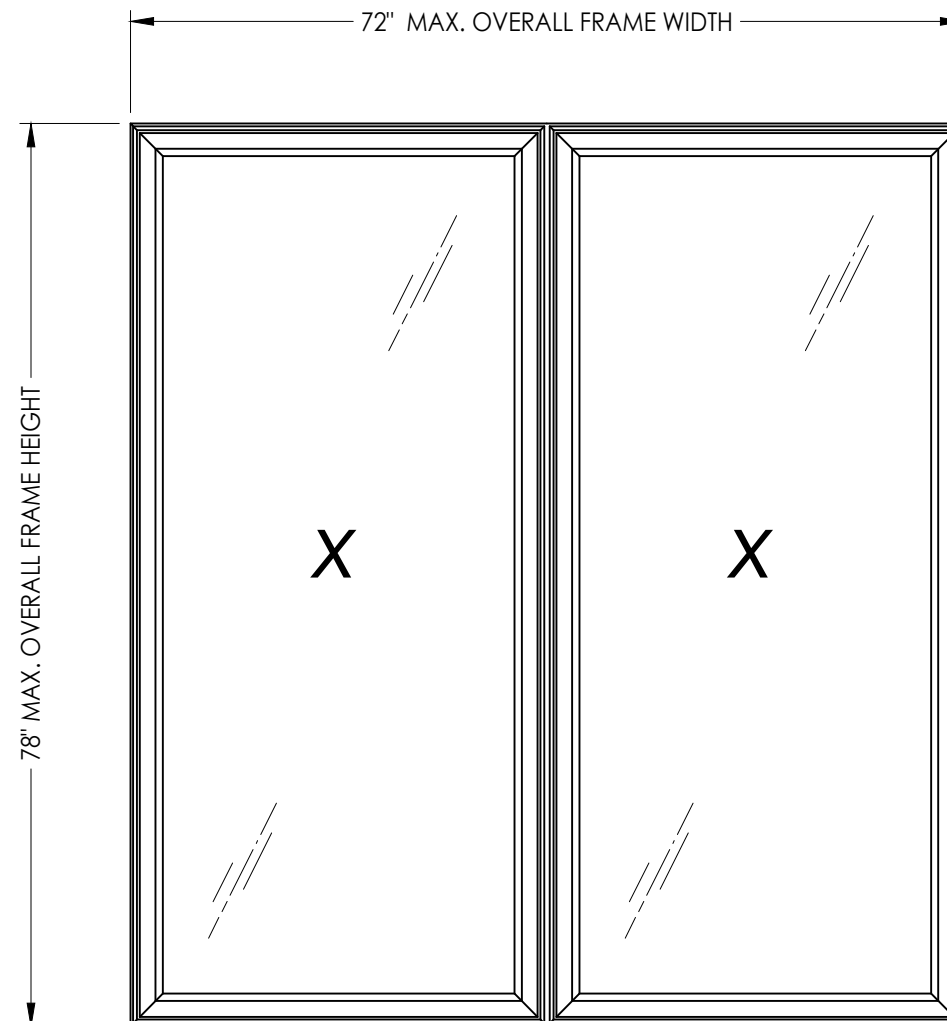


SERIES 0972
PVC TWIN CASEMENT WINDOW
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.

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SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Horizontal & vertical cross sections
3	Horizontal & vertical cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing detail and components

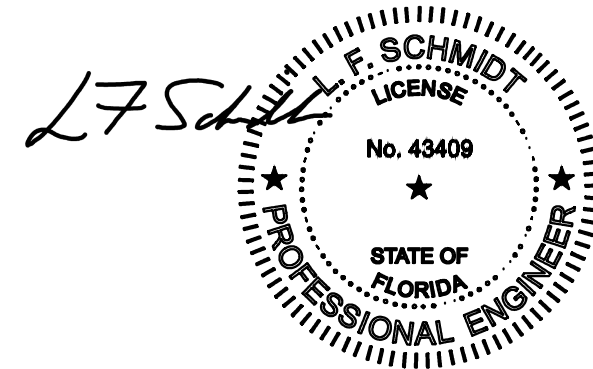


OVERALL FRAME DIMENSION	OVERALL DAY LIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
72.0" x 78.0"	30.38" x 72.38"	G1	+25.0	-25.0
72.0" x 60.0"	30.38" x 54.38"	G1	+30.0	-30.0
48.0" x 48.0"	18.38" x 42.38"	G1	+50.0	-50.0

Digitally signed by Lyndon F Schmidt
Date: 2023.07.17 08:33:51 -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



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FBPE Registry No. 9813

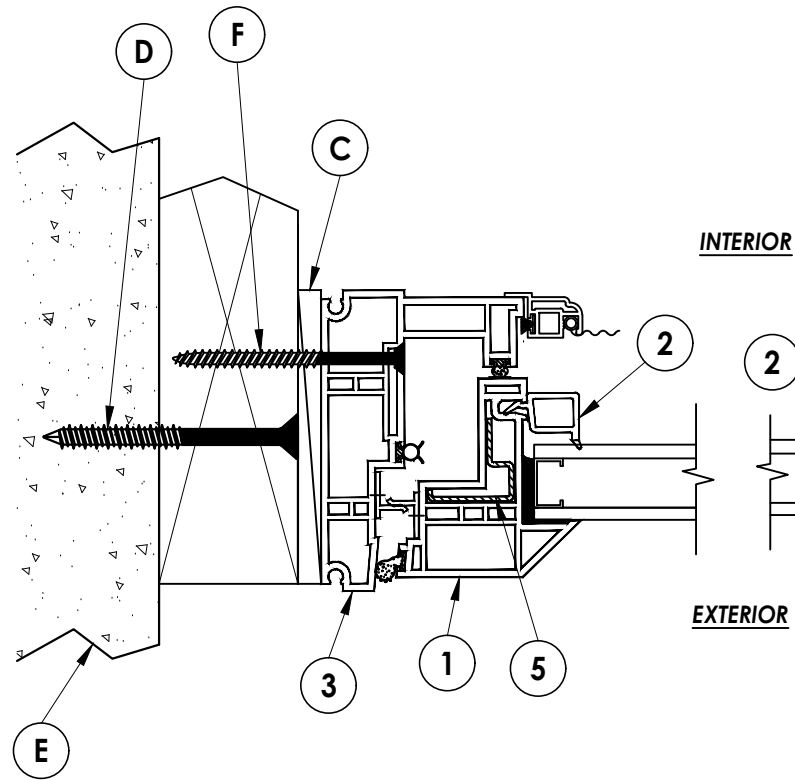
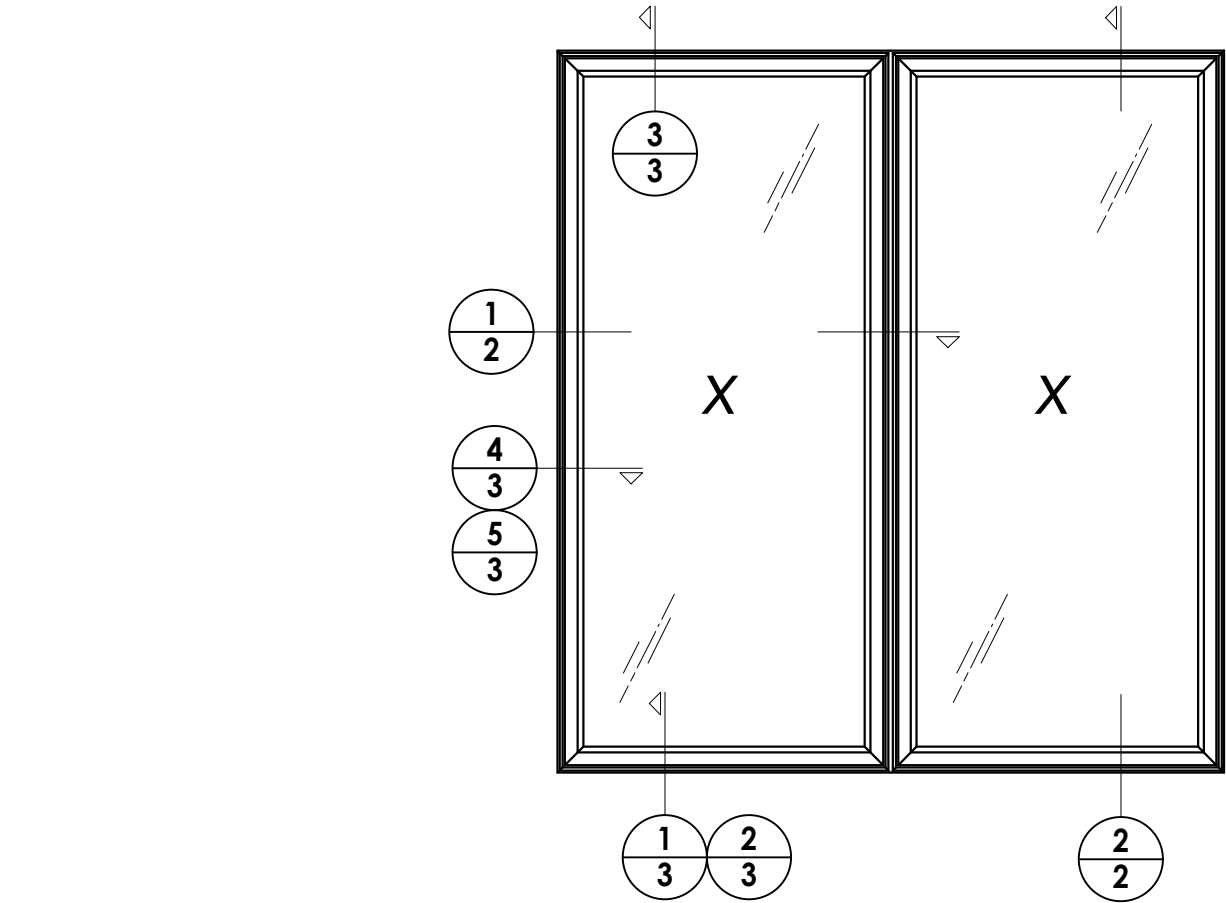
PRODUCT: CASEMENT WINDOW

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

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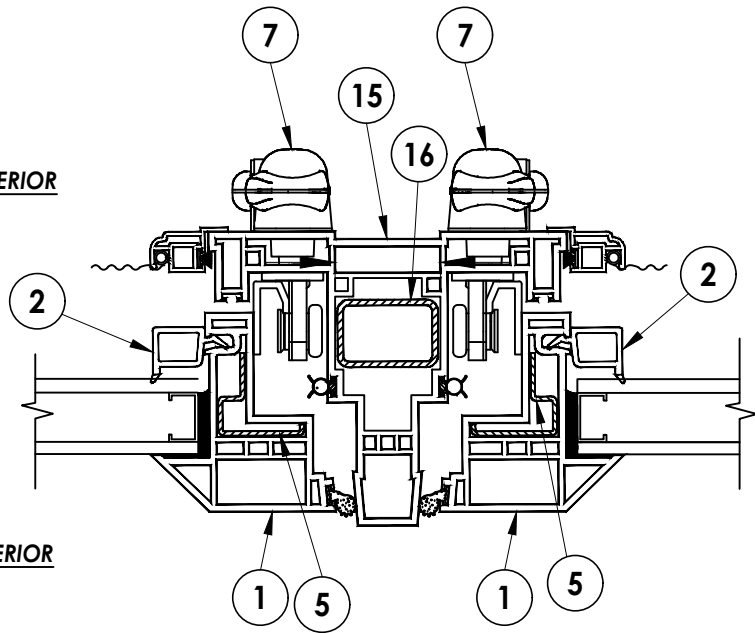
DATE:	1/5/09
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-11907.5
SHEET	1 OF 5

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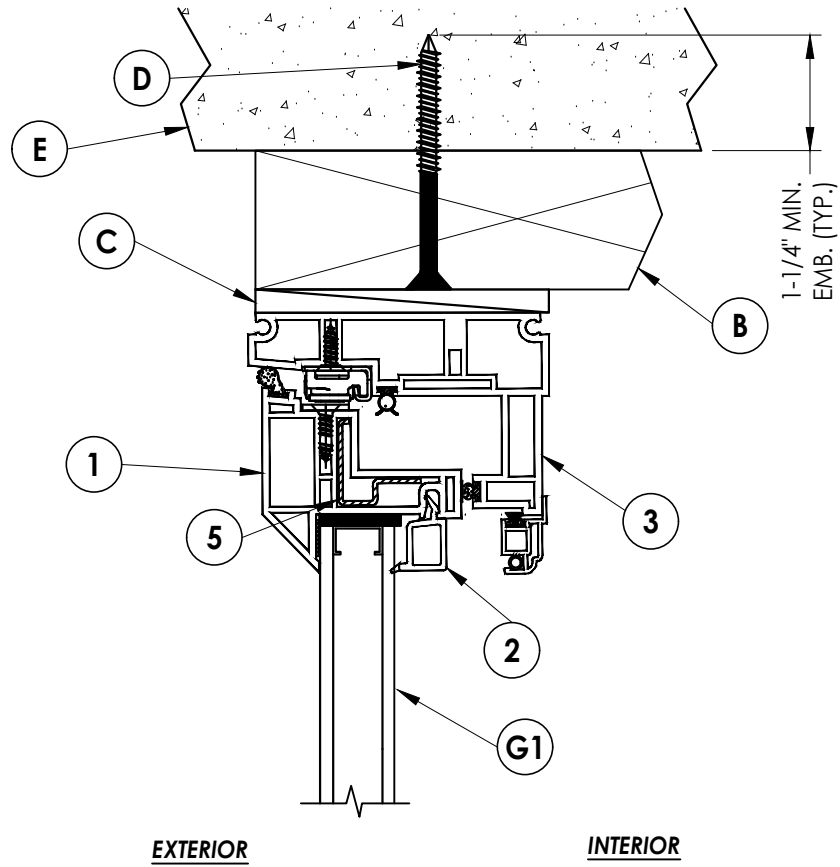


INTERIOR

EXTERIOR

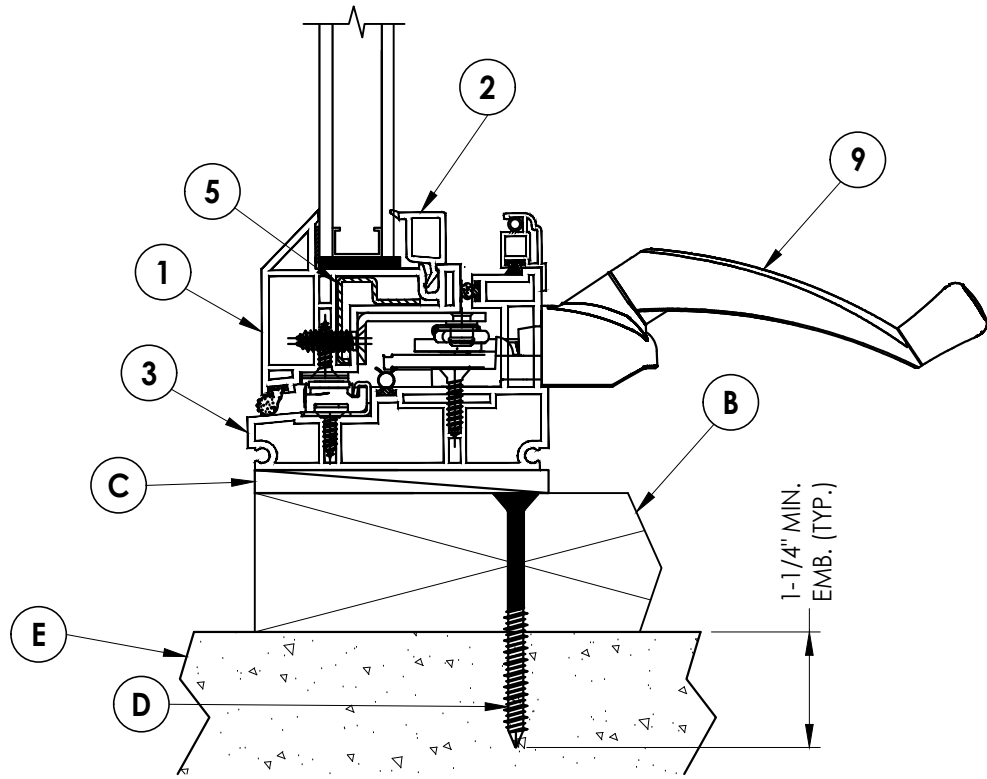


1 HORIZONTAL CROSS SECTION
2 2x Buck Construction



EXTERIOR

INTERIOR



2 VERTICAL CROSS SECTION

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PRODUCT: CASEMENT WINDOW

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

REVISIONS			
NO.	DATE	BY	
6	7/17/23	LFS	UPDATE TO 8TH ED. (2023) FBC
5	8/19/20	DAC	UPDATE TO 7TH ED. (2020) FBC
4	11/11/19	LFS	UPDATE FOR NEW TEST REPORT
3	8/02/17	LFS	UPDATE TO 6TH ED. (2017) FBC

DATE: 1/5/09

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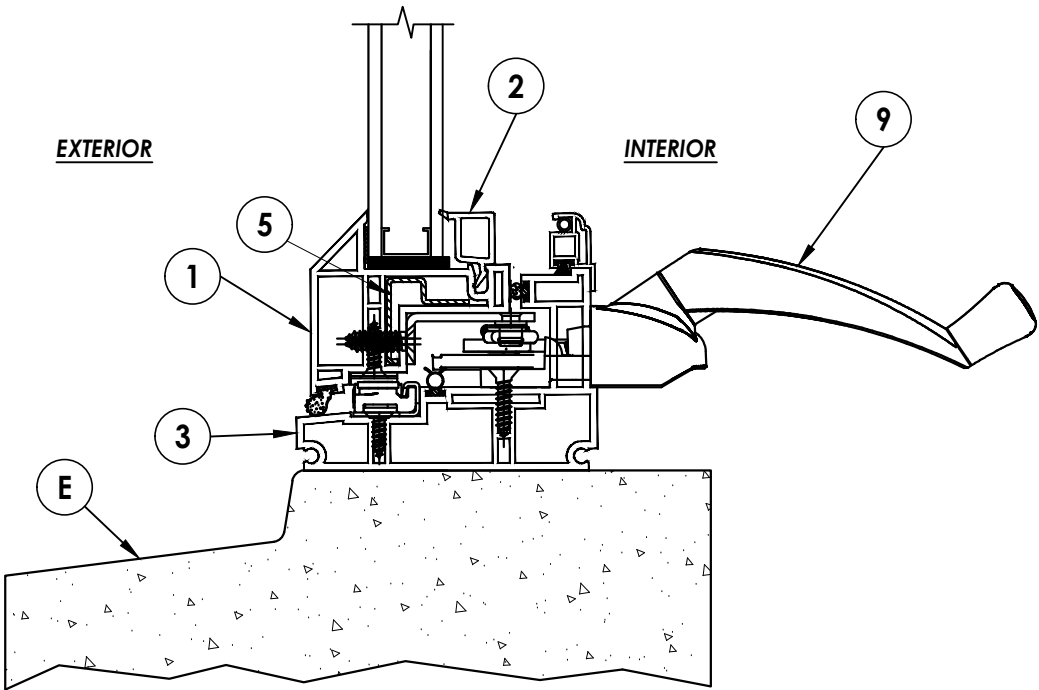
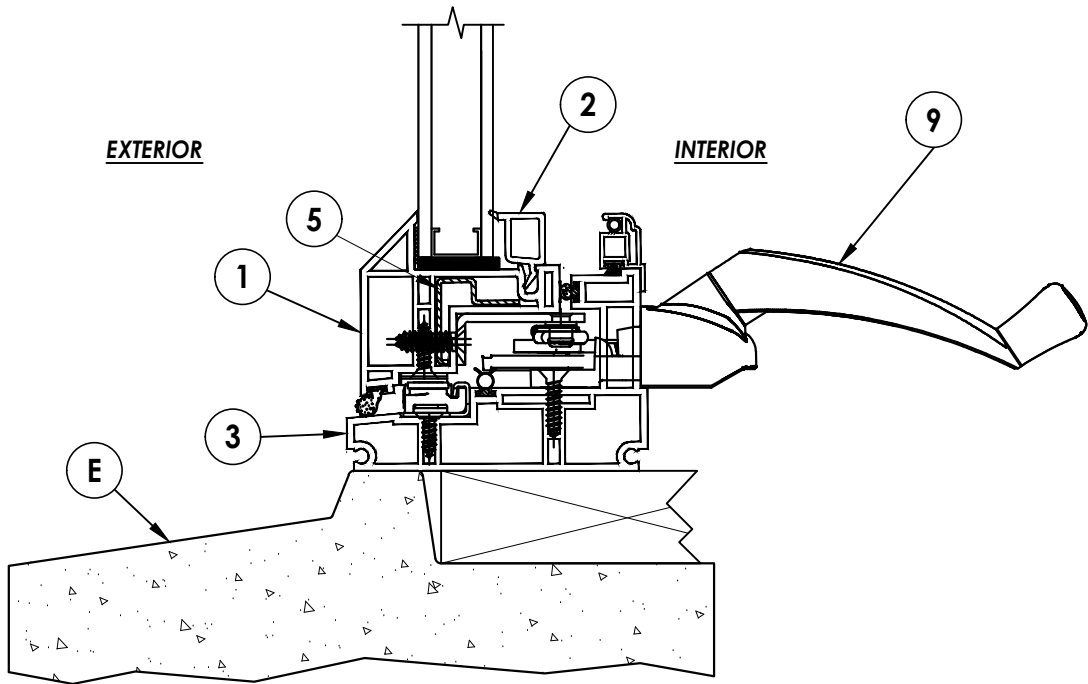
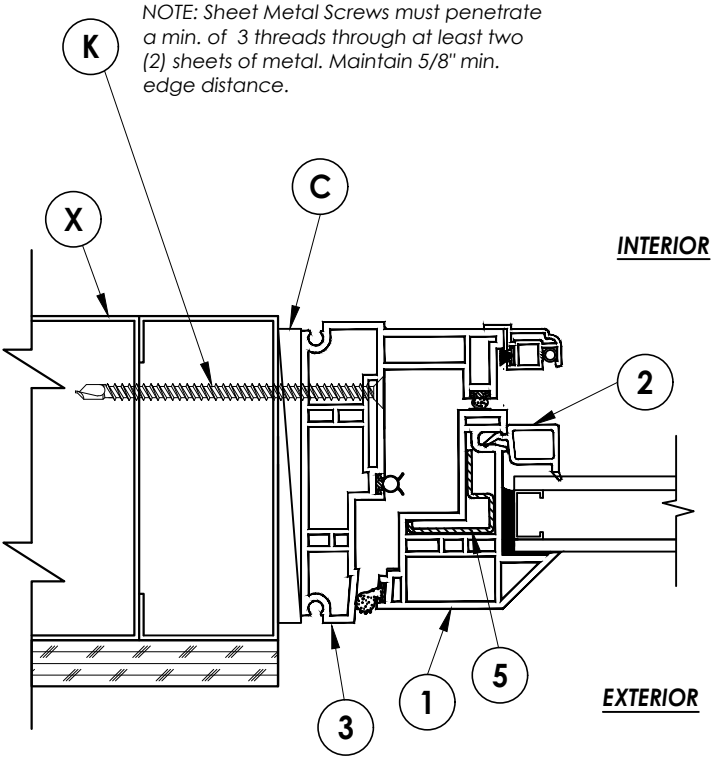
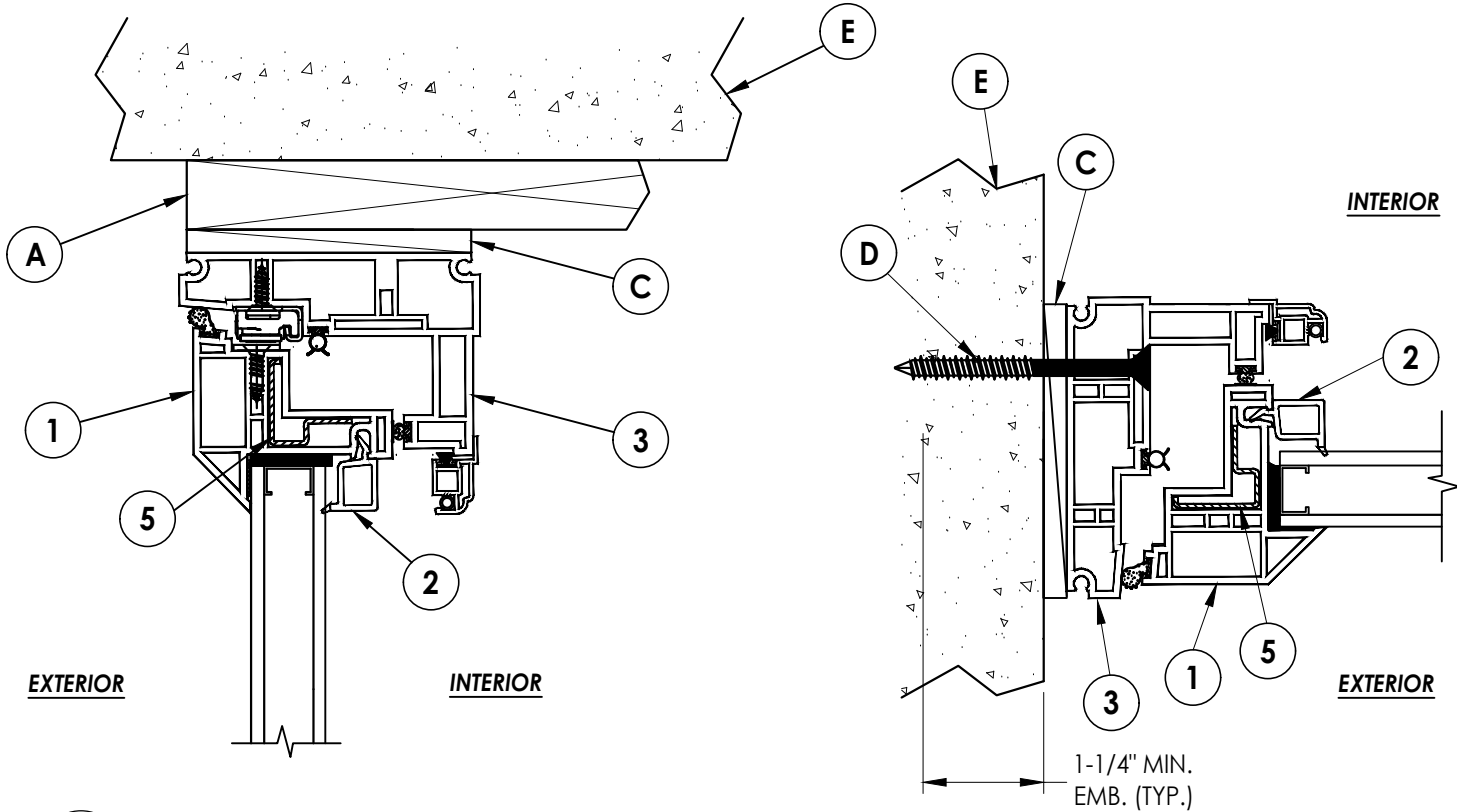
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SHEET 2 OF 5

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PRODUCT:	CASEMENT WINDOW
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
6	7/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
5	8/19/20	UPDATE TO 7TH ED. (2020) FBC DAC
4	11/11/19	UPDATE FOR NEW TEST REPORT LFS
3	8/02/17	UPDATE TO 6TH ED. (2017) FBC LFS

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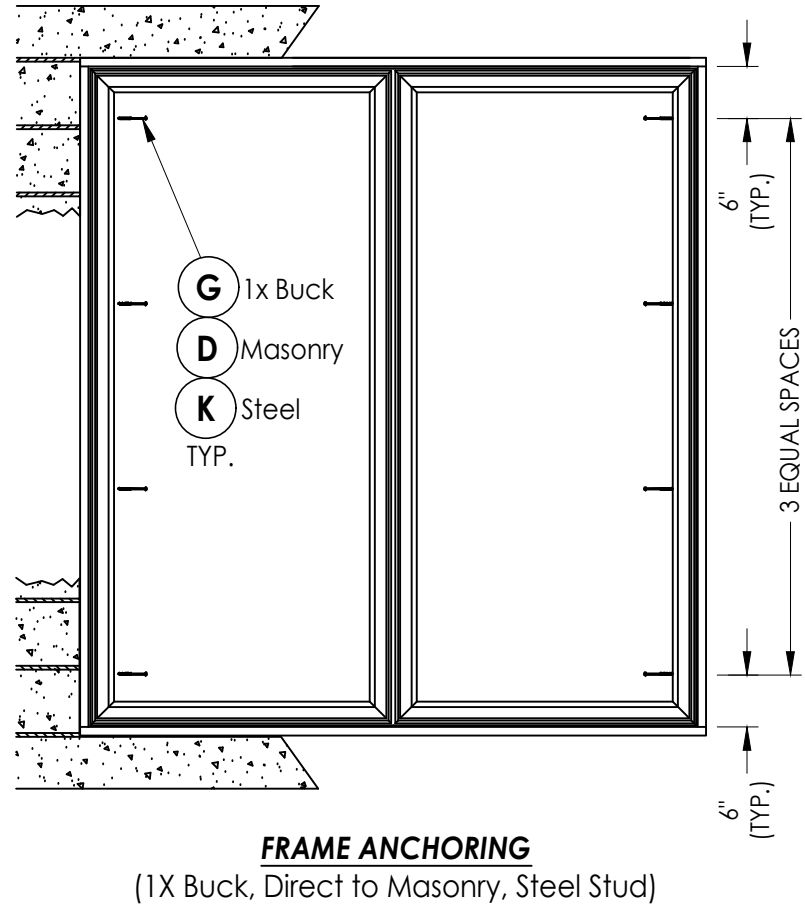
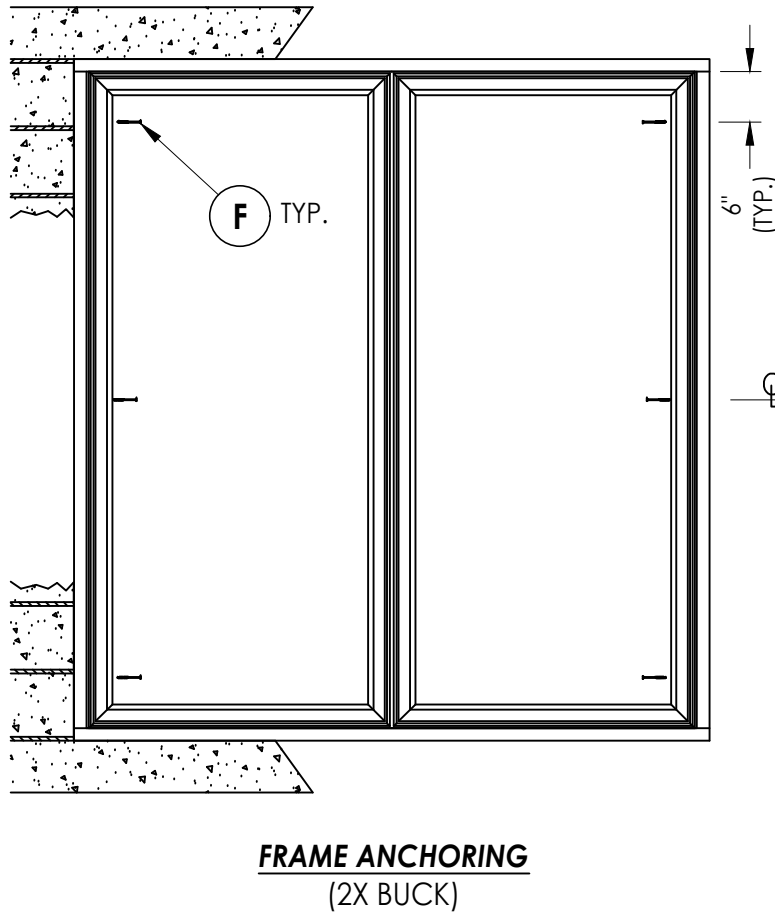
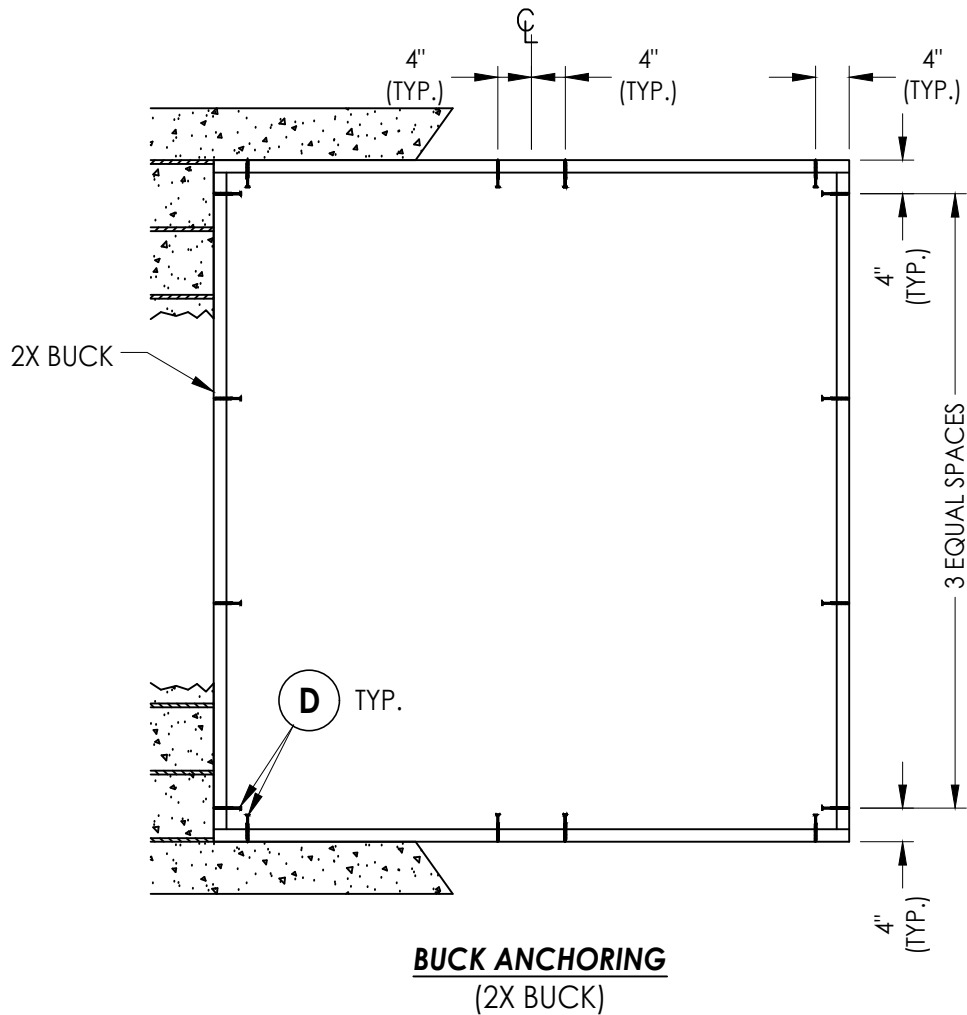
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SHEET 3 OF 5

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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®	3/16"	1-1/4"	3"	1-1/2"
	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.

FRAME ANCHORING NOTES (2x Buck Construction):

- Bar guides are secured w/ (1) item #F in the top screw location & (1) item #13 in the lower screw location, in each guide.
- Tie bar guides (4) are located 4", 26", 48" & 70" (Max. 22" O.C.) from the bottom of the frame. For 60" (or less) frame heights, only (3) bar guides are required.
- Snubbers are secured w/ (1) item #F in the top screw location & (1) item #12 in the lower screw location, in each snubber.
- Snubbers are located at 1/4 points and at mid-span from the bottom of the frame.
- For 1x Buck & Direct to Masonry Construction: Substitute a 3/16" ITW concrete screw (w/ 1-1/4" min. emb.) for item #F and items #12 & 13 as applicable.
- For Steel Stud Construction: Substitute a #10 self-drilling SMS for item #F and items #12 & 13 as applicable. Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal. Maintain 5/8" min. edge distance.

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PRODUCT:
CASEMENT WINDOW

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
6	7/17/23	UPDATE TO 8TH ED. (2023) FBC
5	8/19/20	UPDATE TO 7TH ED. (2020) FBC
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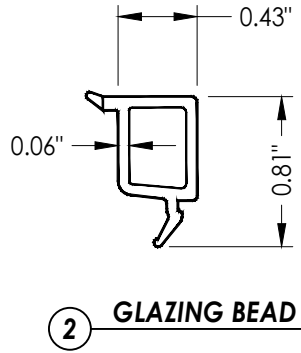
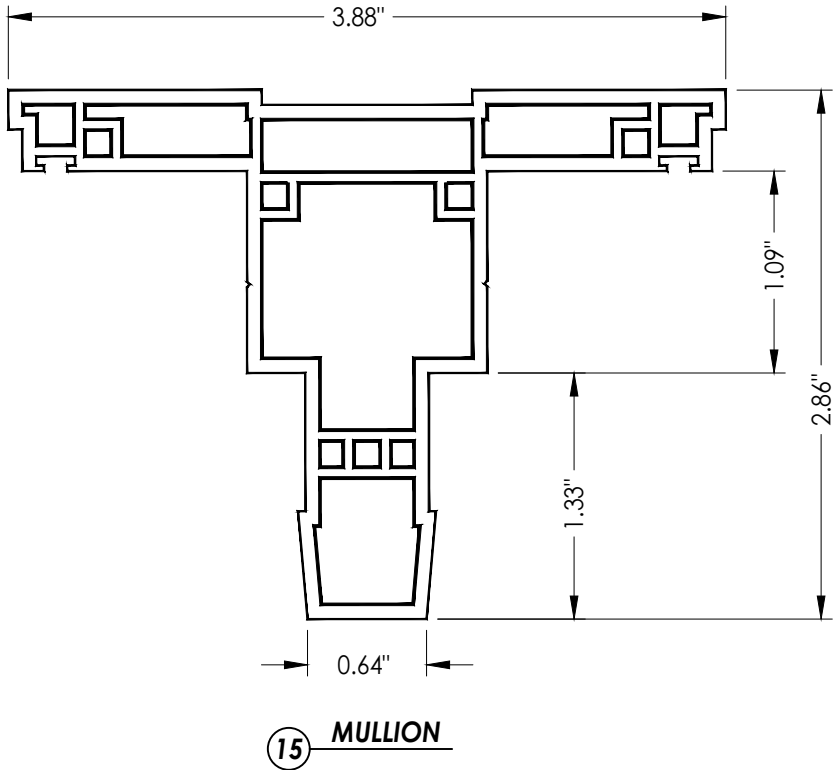
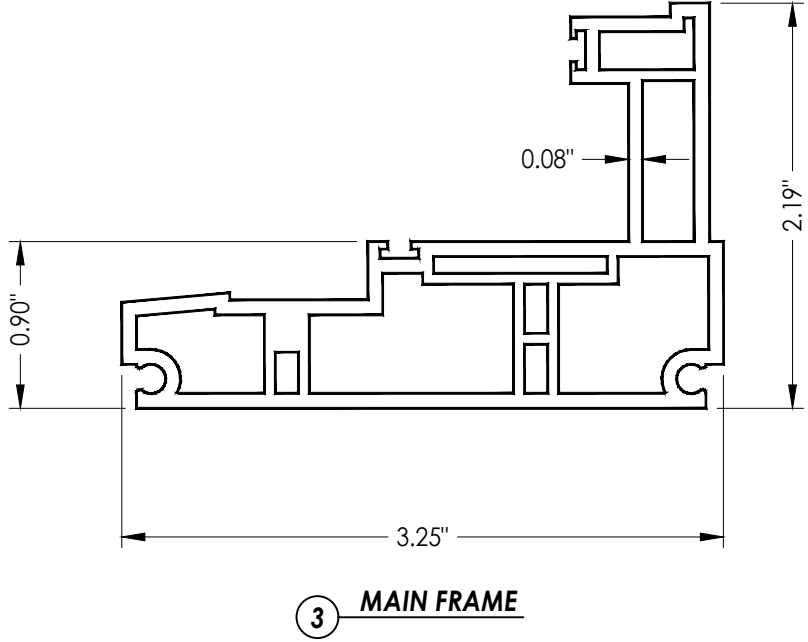
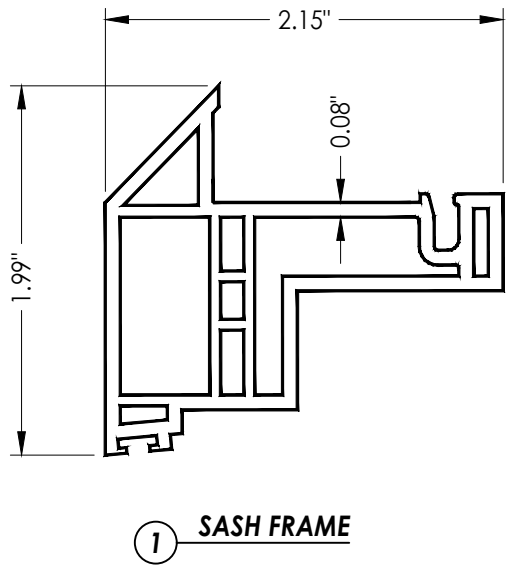
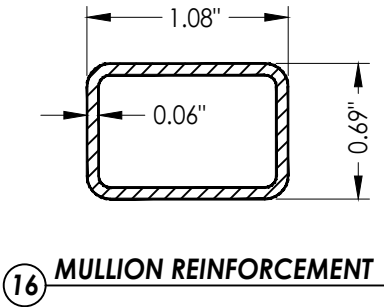
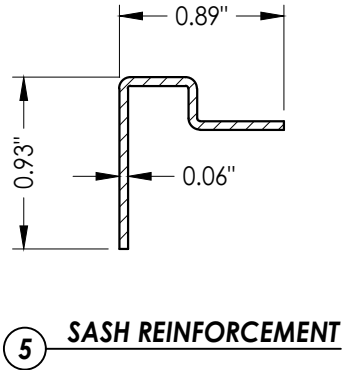
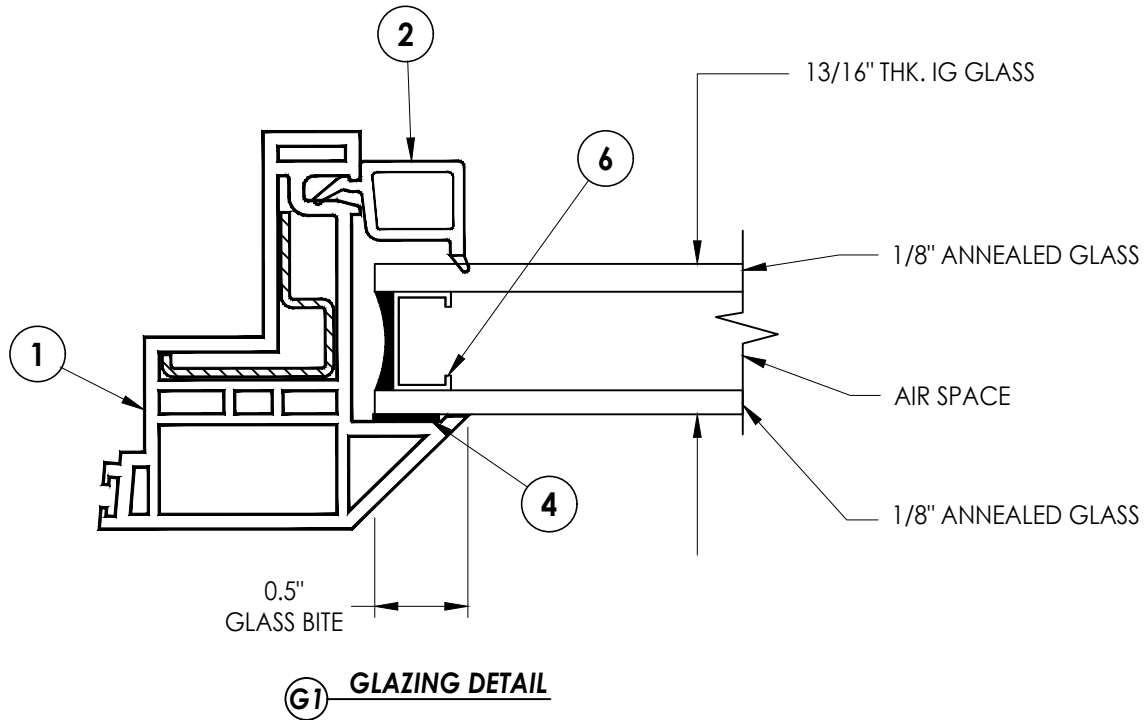
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SHEET 4 OF 5

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.55)	WOOD
B	2X BUCK (G >= 0.55)	WOOD
C	MAX. 1/4" SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 x 2-1/2" PFH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL SASH FRAME * (60-5910) (VEKA)	RIGID PVC
2	GLAZING BEAD * (VEKA BV46)	RIGID PVC
3	EXTRUDED VINYL MAIN FRAME * (UQ017001)	RIGID PVC
4	DOUBLE SIDED GLAZING TAPE	-
5	SASH REINFORCEMENT (3205)	GALV. STEEL
6	STEEL INTERCEPT SPACER	STEEL
7	LOCK HANDLE W/GASKET (24.33.32.002) (TRUTH)	-
8	TIE BAR (1190X.92) (TRUTH)	STEEL
9	OPERATOR HANDLE (11454) (TRUTH)	-
10	TIE BAR GUIDE (US-027000) (ASHLAND)	PVC
11	SNUBBER (ASHLAND) (US-311200)	STEEL
12	SNUBBER SCREW #8 x 1/2" PPH SMS	S.S.
13	TIE BAR GUIDE SCREW #8 x 1" PPH SCREW	S.S.
14	KEEPER	-
15	MULLION *	RIGID PVC
16	MULLION REINFORCEMENT	STEEL

*THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS."



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6	7/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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CHK. BY: LFS				
DRAWING NO.: FL-11907.5				
SHEET 5 OF 5				