

Z:\2023 FBC Drawings\Millwork Artisans, LLC\FL-17413 R4\FL-17413.1-6.dwg

MILLWORK ARTISANS

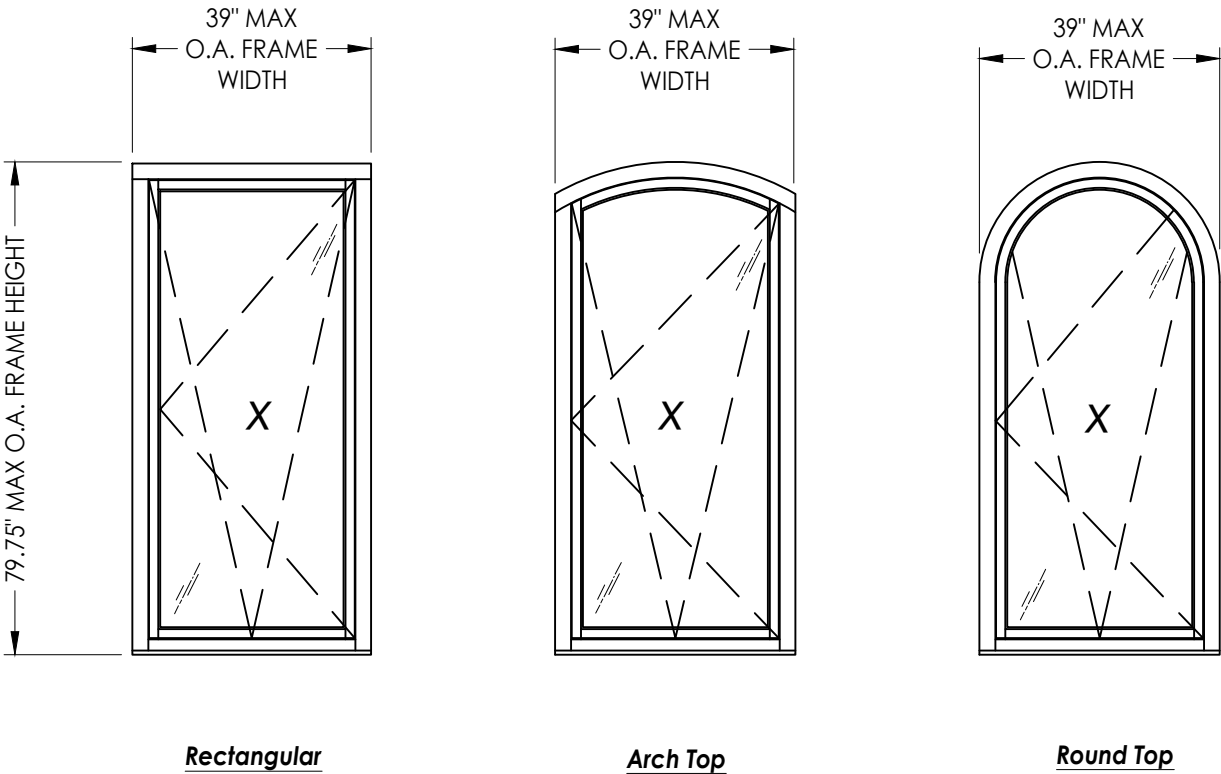
145 KING STREET
CHARLESTON, SC 29401

CASEMENT WINDOW "European" Frame INSWING / TILT-TURN "IMPACT"

GENERAL NOTES

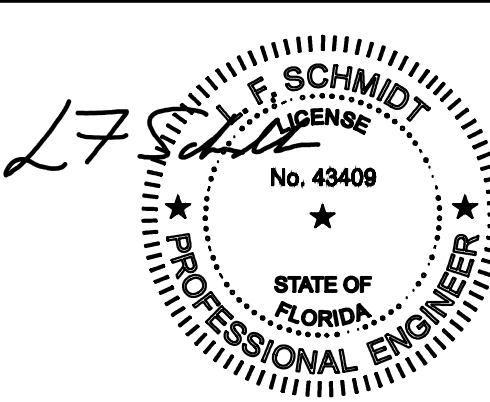
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. All window frame wood to be Sapele (Specific Gravity = 0.55).
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".

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Elevations
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Hardware details
7	Bill of materials, glazing detail and components



OVERALL FRAME DIMENSION	MAX. SASH DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
39.0" x 79.75"	36.0" x 76.75"	30.0" x 70.75"	G1, G2	+75.0	-75.0

NOTE: Do not install above 30 ft. elevation in the "HVHZ" with G1 glazing.



Digitally signed
by Lyndon F
Schmidt
Date: 2023.09.14
15:13:33 -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

MILLWORK ARTISANS
CASEMENT WINDOW

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

4	9/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	9/29/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	10/3/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	3/03/15	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE		BY

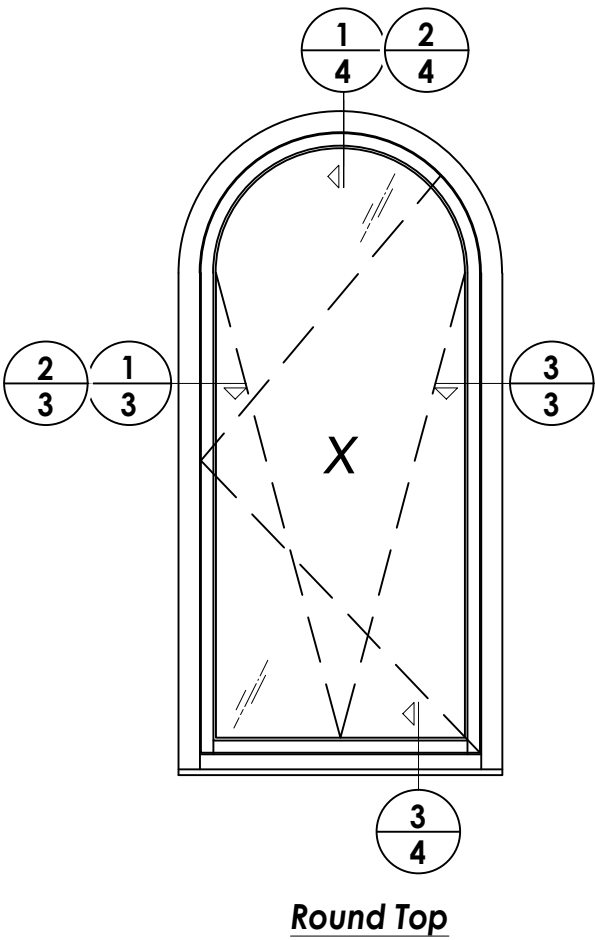
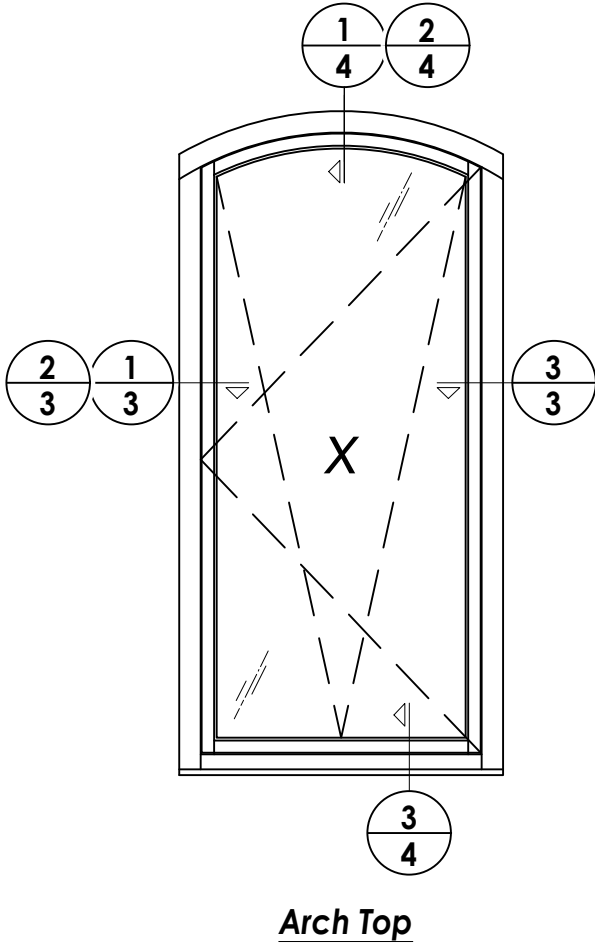
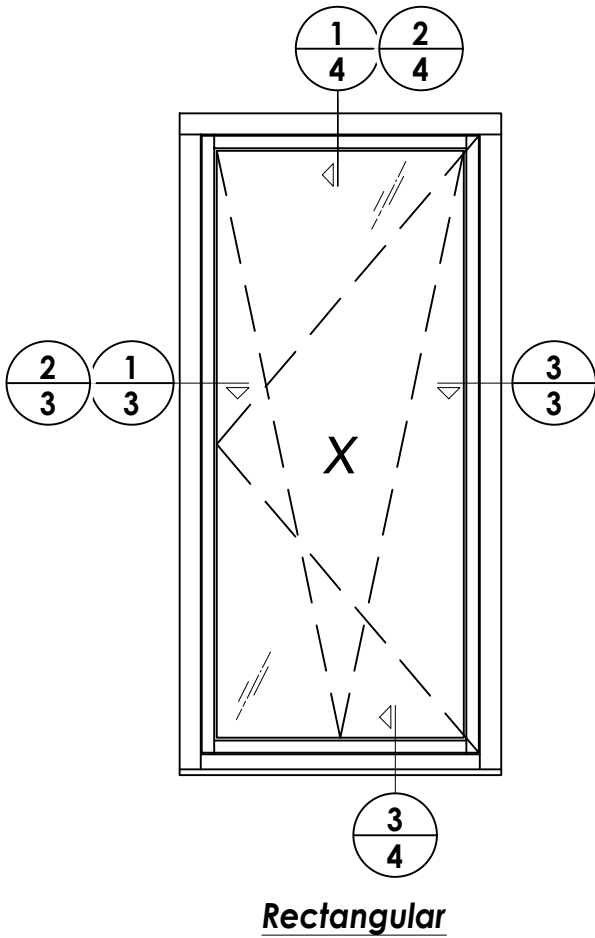
REVISIONS

DATE: 12/4/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17413.1			
SHEET 1 OF 7			

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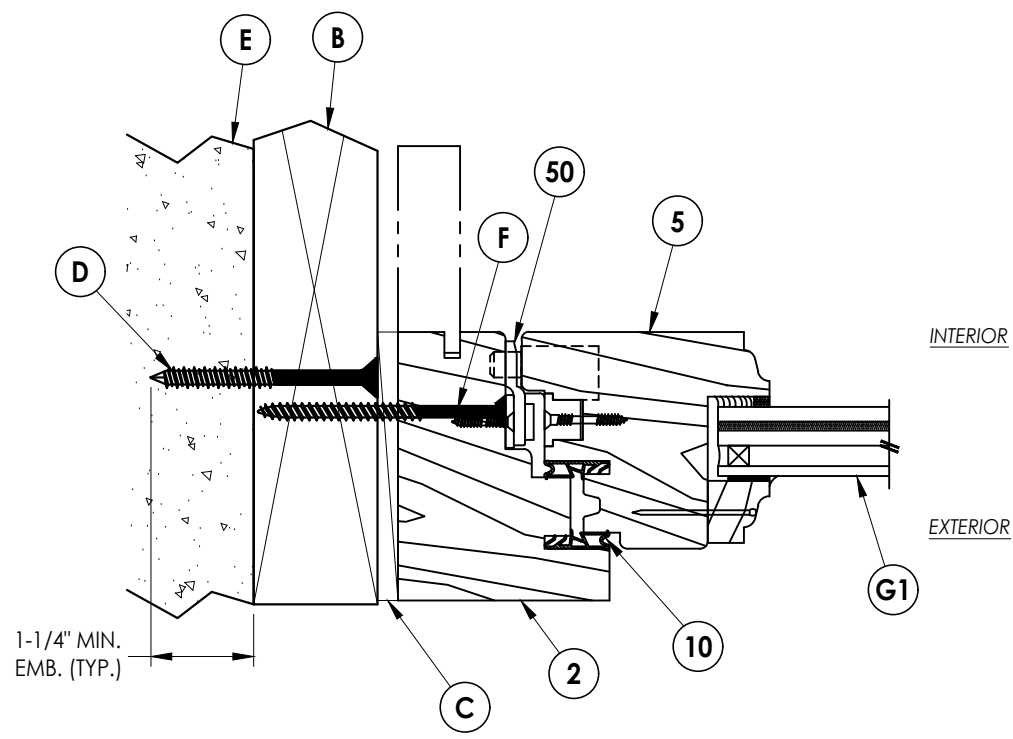
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

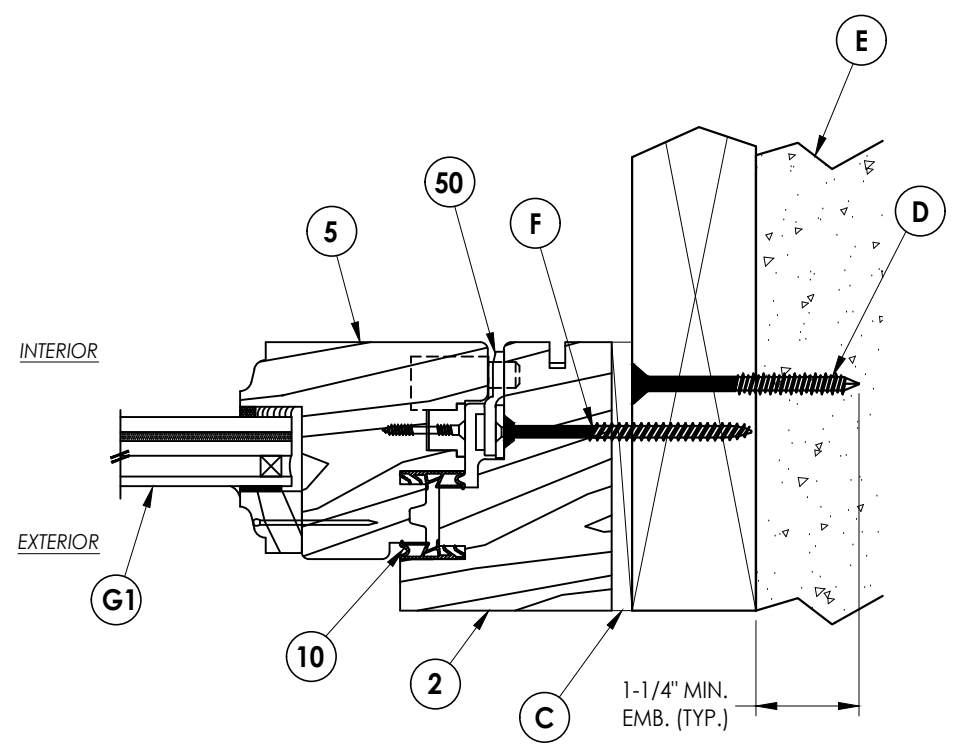


DATE: 12/4/14		DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK			
CHK. BY: LFS		PRODUCT: MILLWORK ARTISANS CASEMENT WINDOW	
DRAWING NO.: FL-17413.1			
SHEET 2 OF 7		PART OR ASSEMBLY: ELEVATIONS	

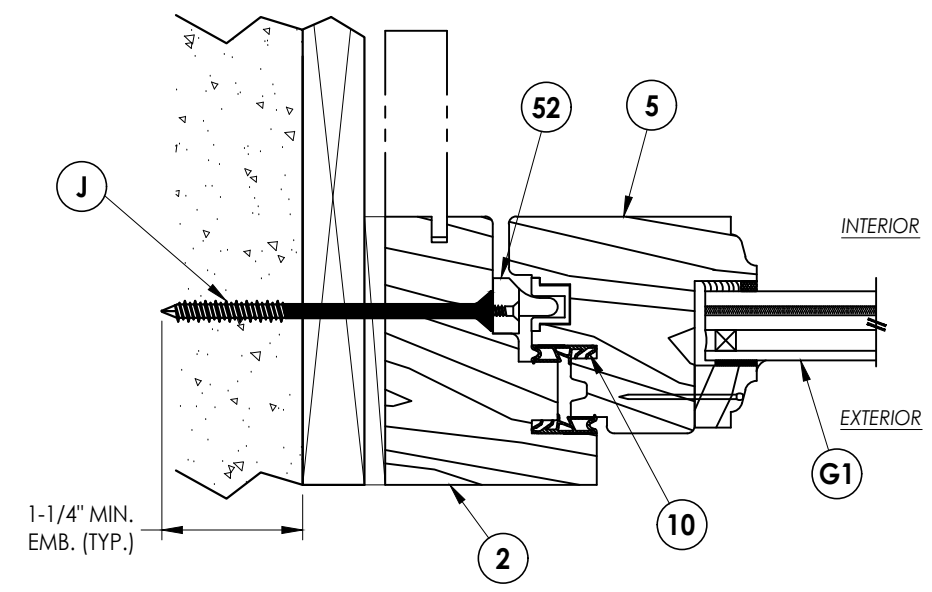
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1
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Shown w/ Contura Series Multi-Point Lock (GU)

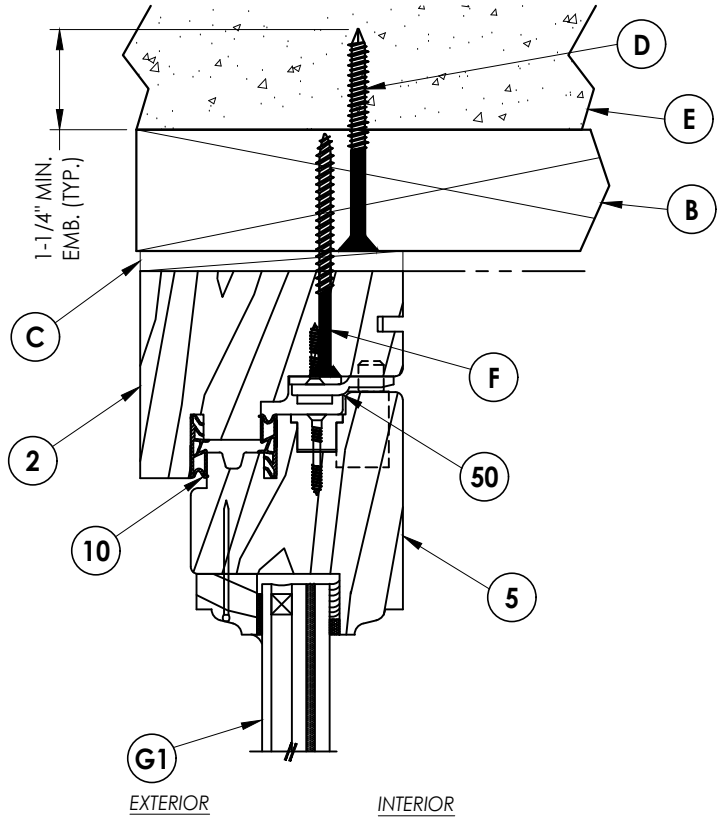


2
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Shown w/ Contura Series Multi-Point Lock (GU)

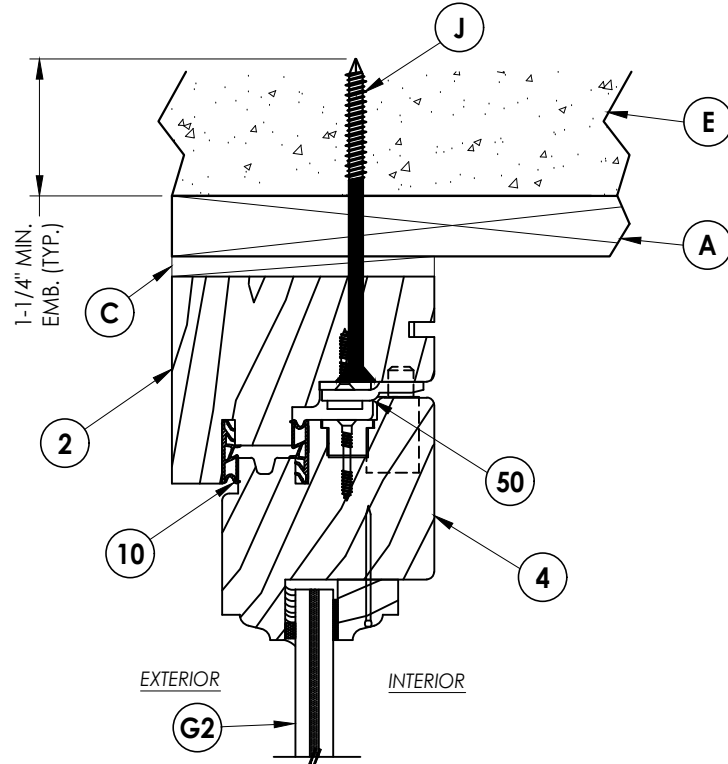
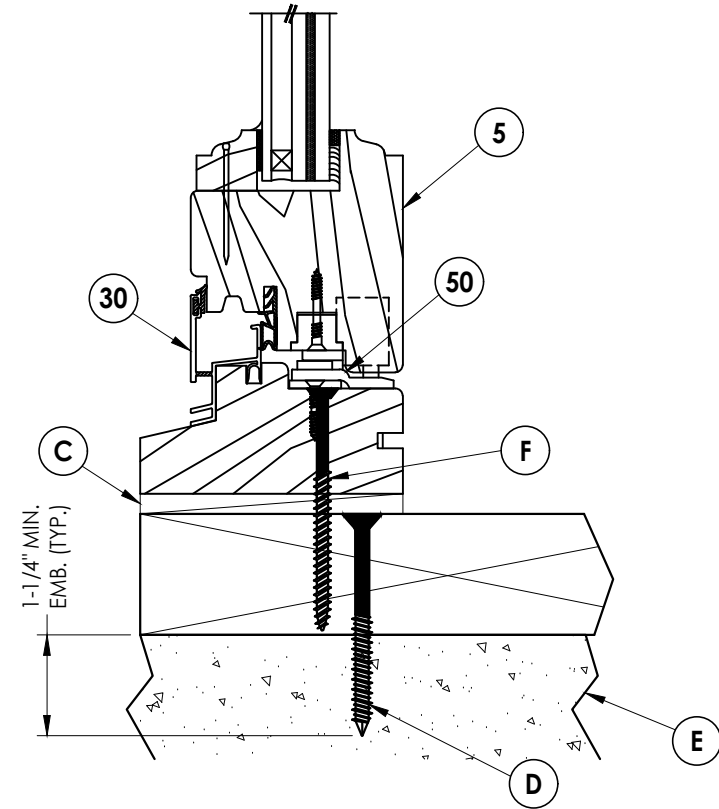


3
3 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Shown w/ Snubbers (GU)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT:		MILLWORK ARTISANS CASEMENT WINDOW	
		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE: 12/4/14		REVISIONS		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
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SCALE: N.T.S.		DWG. BY: JK		DRAWING NO.: FL-17413.1	
CHK. BY: LFS		SHEET 3 OF 7			



1
4 **VERTICAL CROSS SECTION**
2X Buck Construction
(Thru-the-Frame Installation)
Shown w/ Contura Series Multi-Point Lock (GU)



2
4 **VERTICAL CROSS SECTION**
1X Buck Construction
(Thru-the-Frame Installation)
Shown w/ Contura Series Multi-Point Lock (GU)

DATE: 12/4/14

SCALE: N.T.S.

DWG. BY: JK

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SHEET 4 OF 7

PRODUCT:

MILLWORK ARTISANS
CASEMENT WINDOW

PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

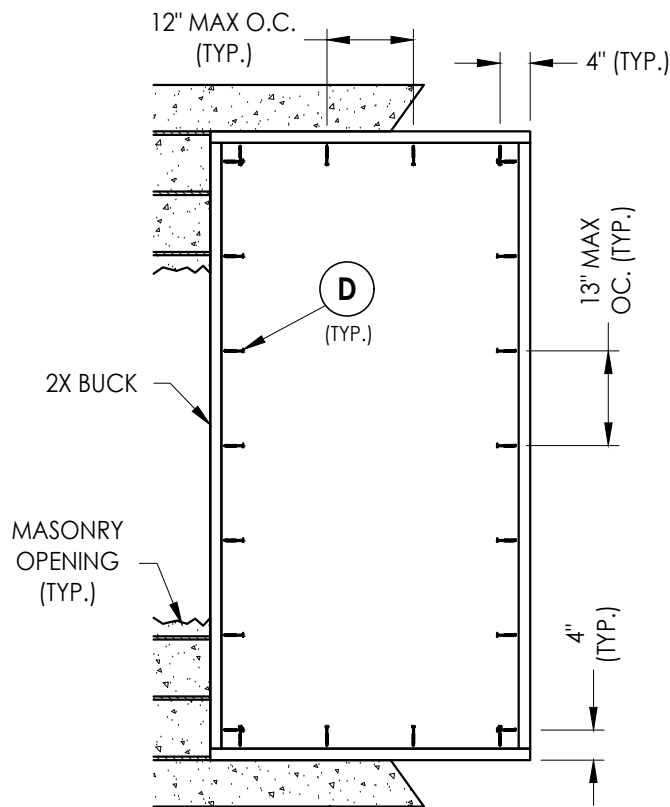
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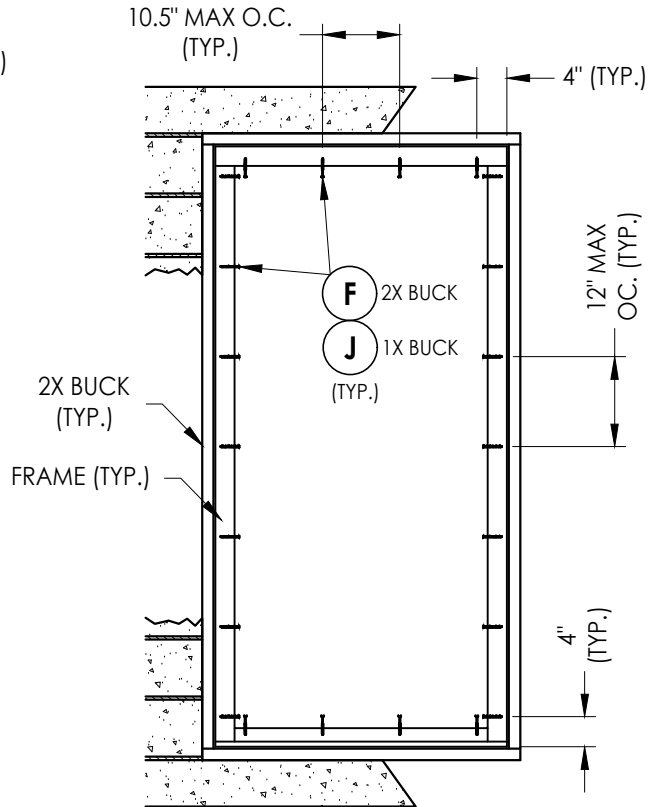
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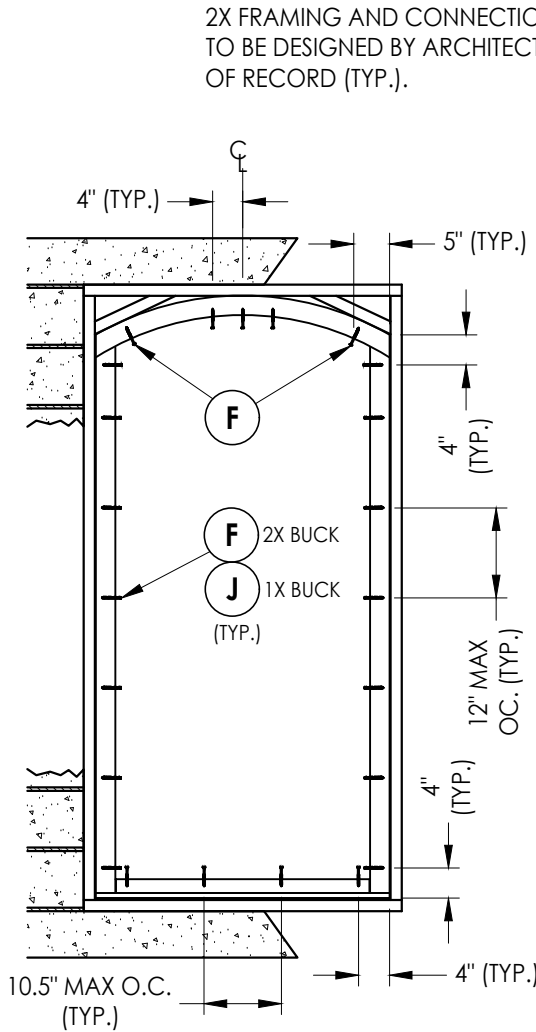
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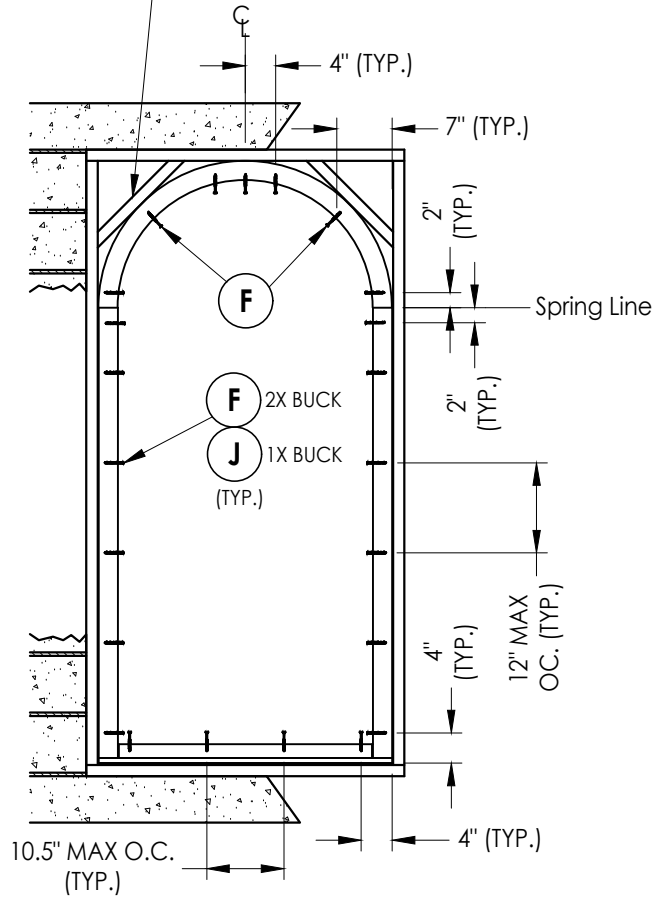
BUCK ANCHORING
Masonry construction



FRAME ANCHORING
Rectangular



FRAME ANCHORING
Arch Top



FRAME ANCHORING
Round Top

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 BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2"	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:
MILLWORK ARTISANS
CASEMENT WINDOW

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
4	9/14/23	UPDATE TO 8TH ED. (2023) FBC LFS
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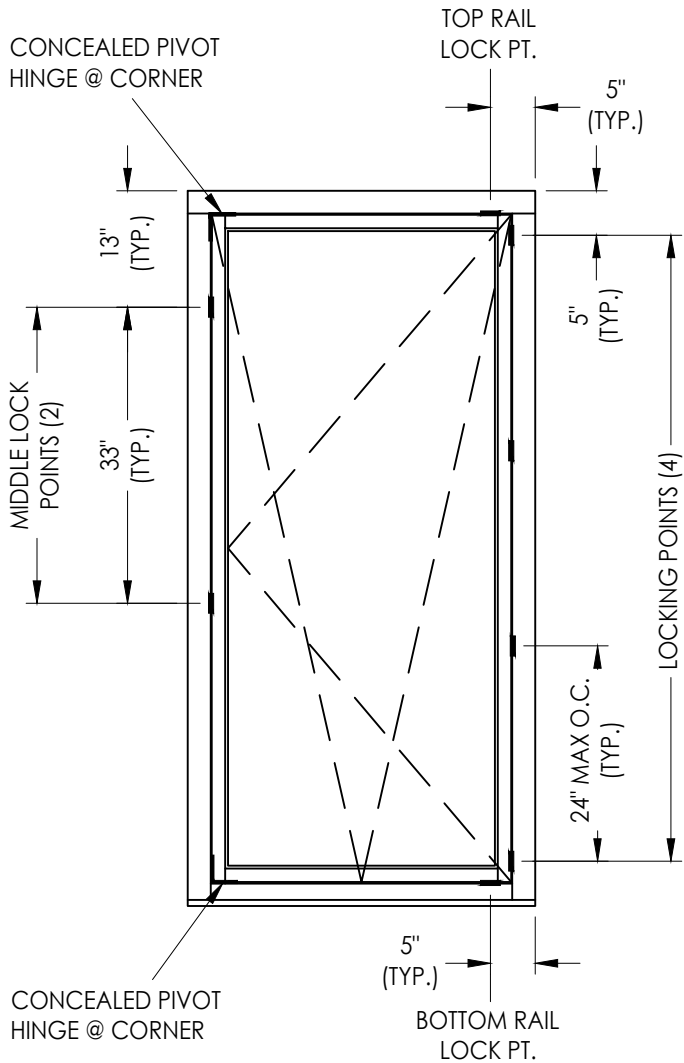
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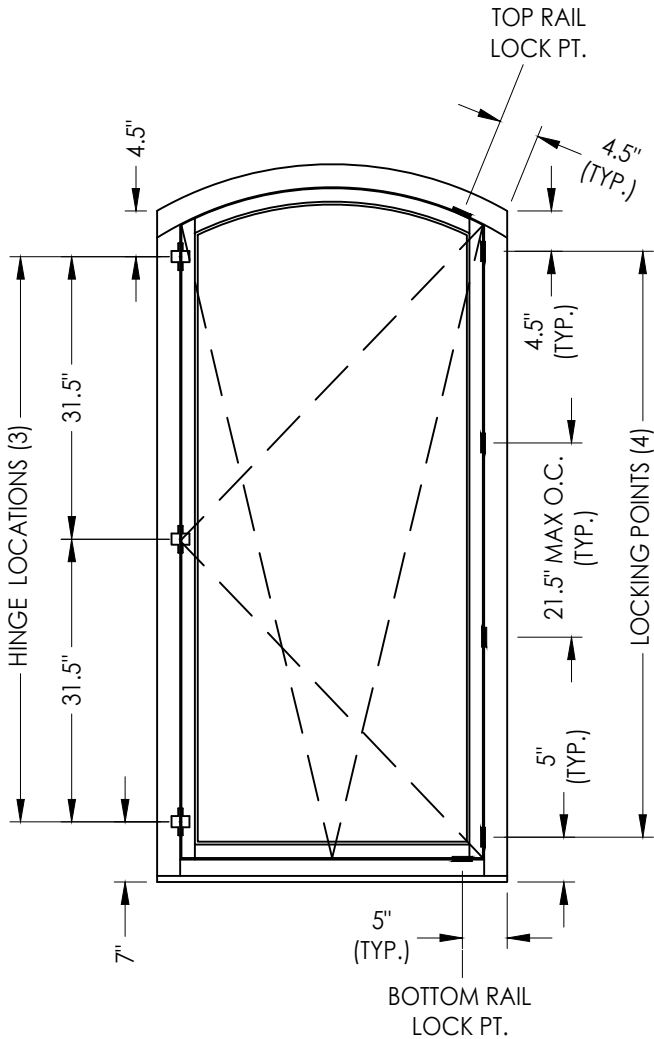
SHEET 5 OF 7



HARDWARE

MULTI-POINT LOCK: GU CONTURA SERIES
CONCEALED HINGES: GU CONTURA SERIES

Lock Strike Requirements (Lock Stile)	
MAX. SASH HEIGHT	LOCKING POINTS
76.75"	4
54"	3
31"	2

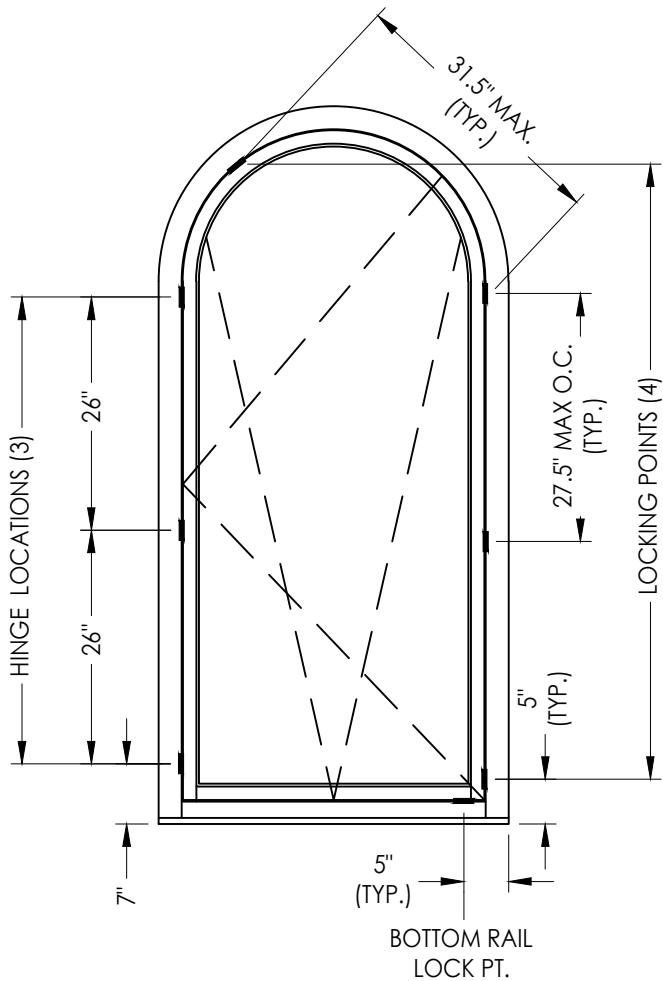


HARDWARE

MULTI-POINT LOCK: SEGENIA SI-LINE 311
CONCEALED HINGES: SOSS #212

Lock Strike Requirements (Lock Stile)	
MAX. SASH HEIGHT	LOCKING POINTS
76.75"	4
52.5"	3
31"	2

Hinge Requirements (Hinge Stile)	
MAX. SASH HEIGHT	HINGE QUANTITY
76.75"	3
45.5"	2



HARDWARE

MULTI-POINT LOCK: SEGENIA SI-LINE 311
BUTT HINGES: 3.5" x 3.5" BRASS / S.S.

Lock Strike Requirements (Lock Stile)	
MAX. SASH HEIGHT	LOCKING POINTS
76.75"	4
49"	3

Hinge Requirements (Hinge Stile)	
MAX. SASH HEIGHT	HINGE QUANTITY
76.75"	3
50"	2

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PRODUCT: MILLWORK ARTISANS
CASEMENT WINDOW

PART OR ASSEMBLY:
HARDWARE DETAILS

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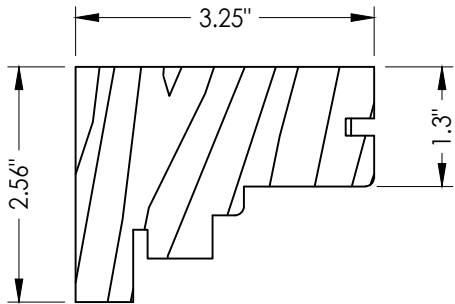
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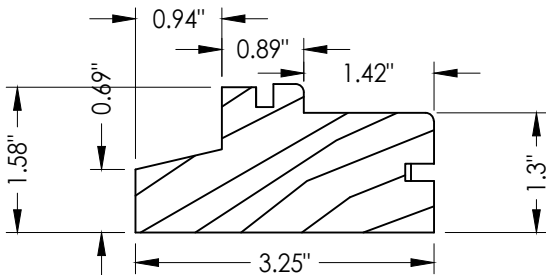
SHEET 6 OF 7

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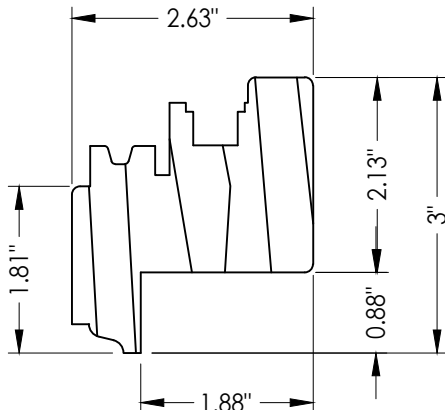
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK G >= 0.42	
B	2X BUCK G >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#12 X 3" PFH WOOD SCREW (1-3/8" MIN EMBEDMENT)	STEEL
G	#12 X 1-3/4" PFH WOOD SCREW	STEEL
J	1/4" X 3-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
2	EUROPEAN FRAME HEAD & JAMB	WOOD
3	EUROPEAN FRAME SILL	WOOD
4	SASH - PROJECT IN	WOOD
5	SASH - PROJECT IN	WOOD
8	GLAZING BEADS	WOOD
9	WEATHERSTRIP Q-LON 320 (SCHLEGEL)	WOOD
10	WEATHERSTRIP ACF 6950 (GU)	WOOD
15	#12 X 1-1/4" PFH WOOD SCREW	STEEL
30	EXTRUDED ALUM DRAINAGE CHANNEL	ALUM
50	MULTI-POINT LOCK (GU CONTURA SERIES)	-
51	MULTI-POINT LOCK (SEGENIA SI-LINE 311)	-
52	SNUBBERS (GU)	-



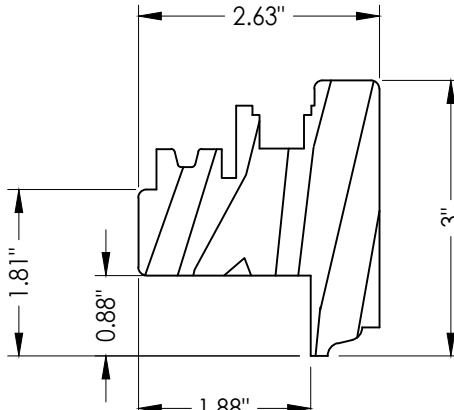
2 EUROPEAN FRAME HEAD & JAMB



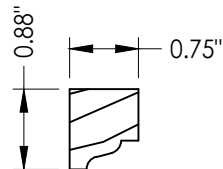
3 EUROPEAN FRAME SILL



4 SASH (PROJECT IN)
Interior Glazing Bead

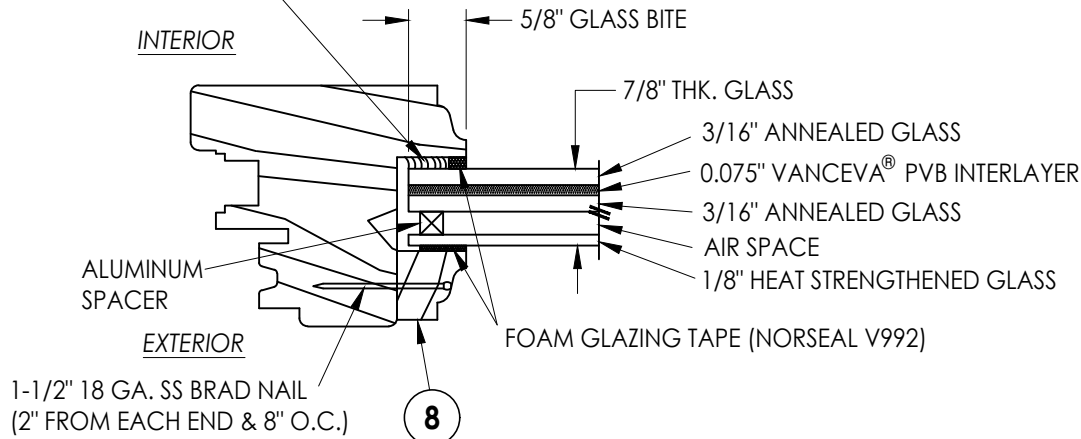


5 SASH (PROJECT IN)
Exterior Glazing Bead

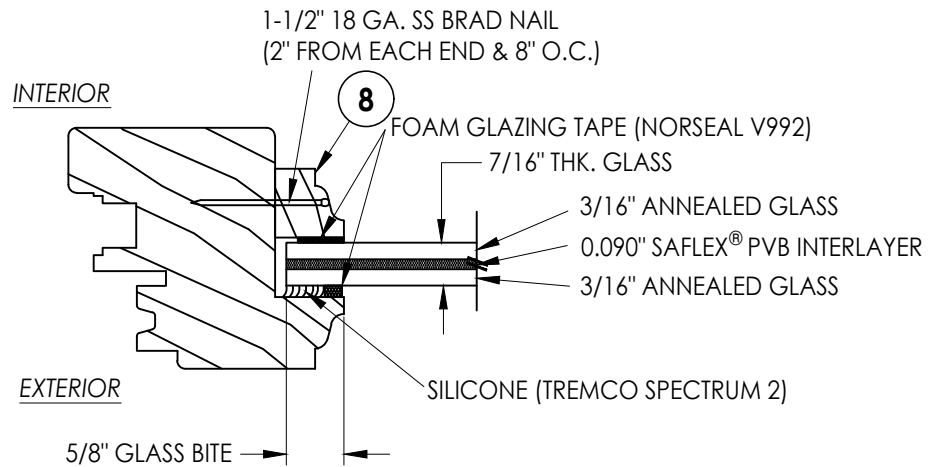


8 GLAZING BEAD

SILICONE (TREMCO SPECTRUM 2)



G1 GLAZING DETAIL



G2 GLAZING DETAIL

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PRODUCT:
MILLWORK ARTISANS
CASEMENT WINDOW

PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAIL & COMPONENTS

NO.	DATE	REVISIONS
4	9/14/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/29/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	10/3/17	UPDATE TO 6TH ED. (2017) FBC JK
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SHEET 7 OF 7