

BRANNEN MILLWORK

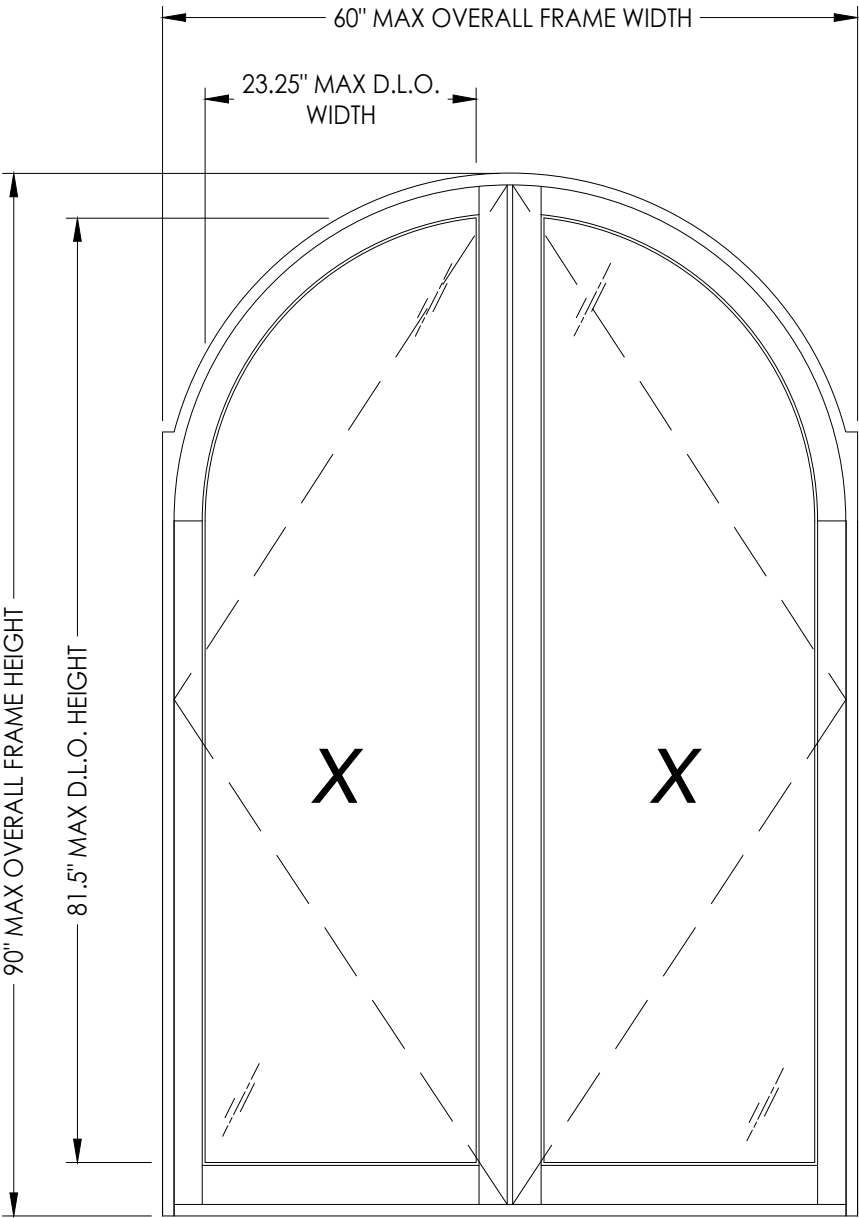
3379 EAST HWY. 46
REGISTER, GEORGIA 30452

CASEMENT WINDOWS
"IMPACT"

GENERAL NOTES

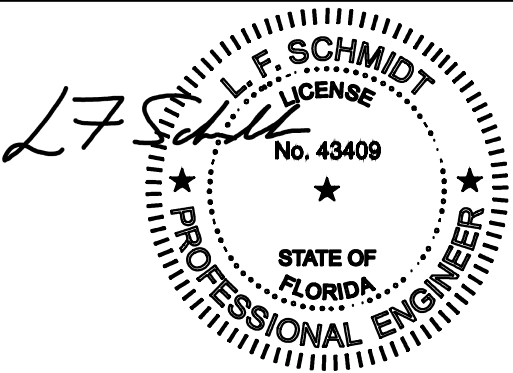
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 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".

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Horizontal cross section and hardware details
3	Vertical cross sections
4	Buck anchoring and frame anchoring
5	Components and glazing details
6	Bill of materials



OVERALL FRAME DIMENSION	MAX OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
60.0" x 90.0"	23.25" x 81.5"	G1, G2	+60.0	-65.0
60.0" x 90.0"	23.25" x 81.5"	G3, G4*	+50.0	-50.0

*GLAZING DETAILS "G3" & "G4" ONLY APPLICABLE OUTSIDE THE "HVHZ"



Digitally signed by Lyndon F Schmidt
Date: 2023.10.11 14:15:49 -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

BRANNEN MILLWORKS

PRODUCT:

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

PART OR ASSEMBLY:

REVISIONS

NO. DATE

DATE: 5/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

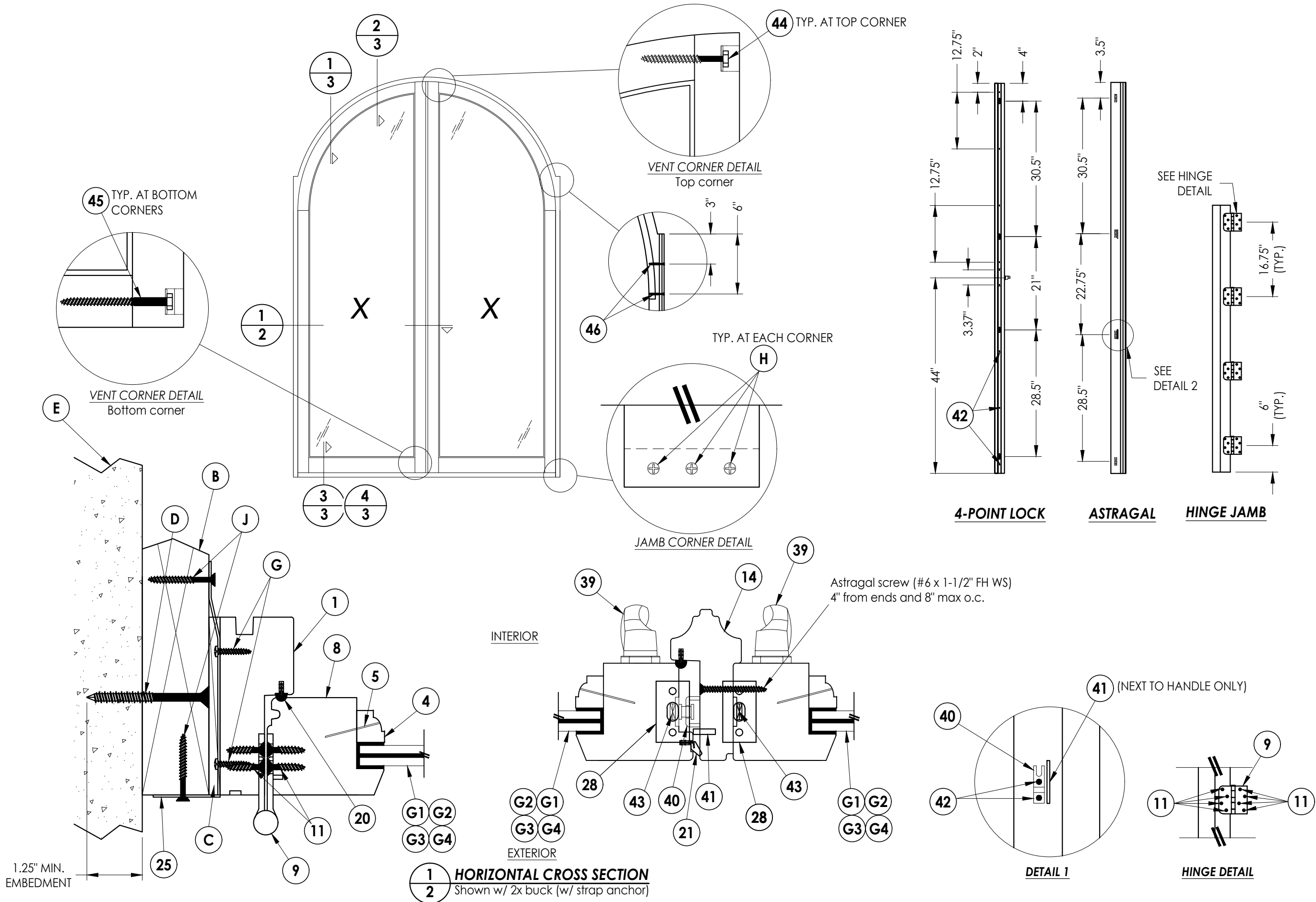
DRAWING NO.: FL-9267.5

SHEET 1 OF 6

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

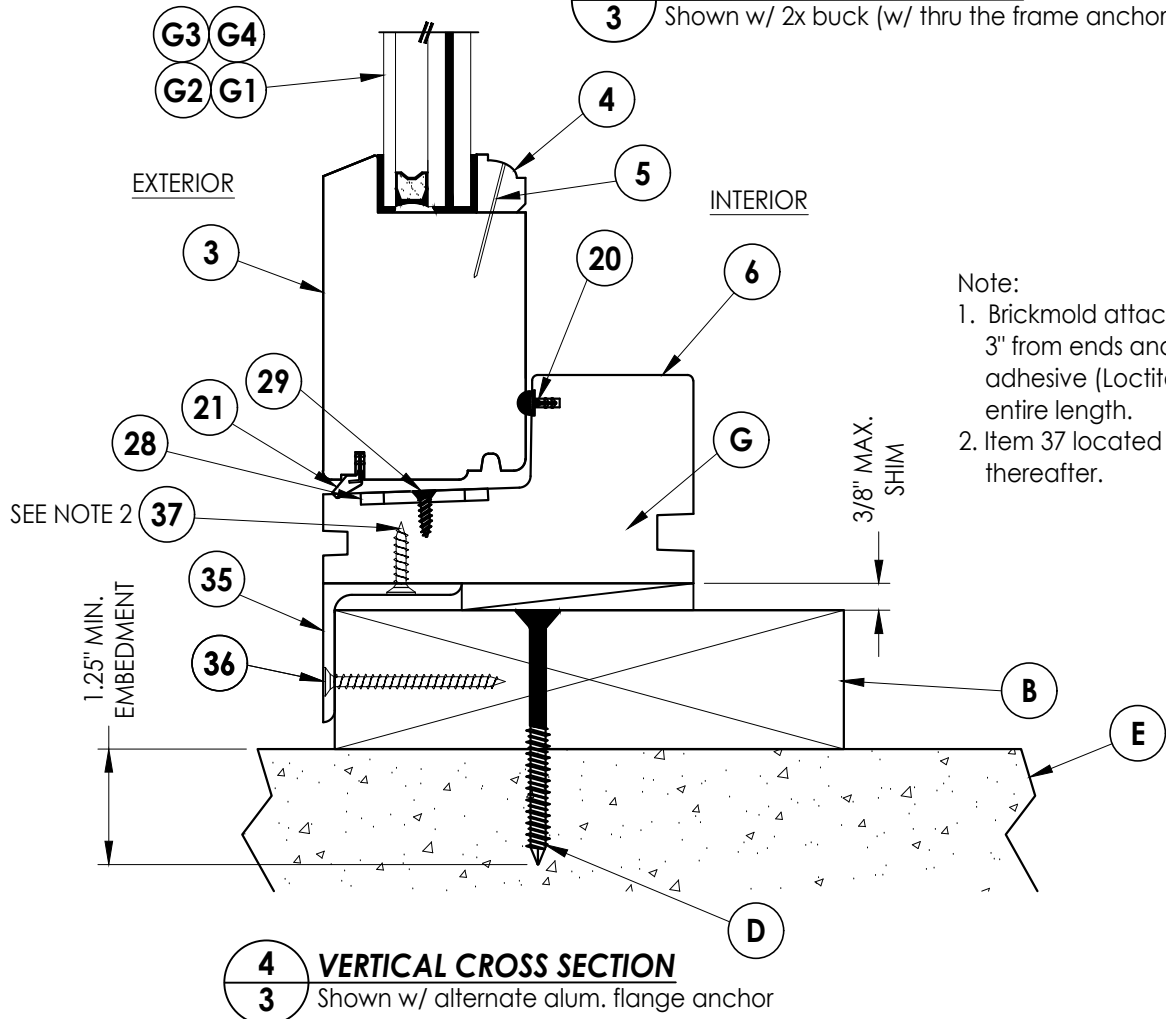
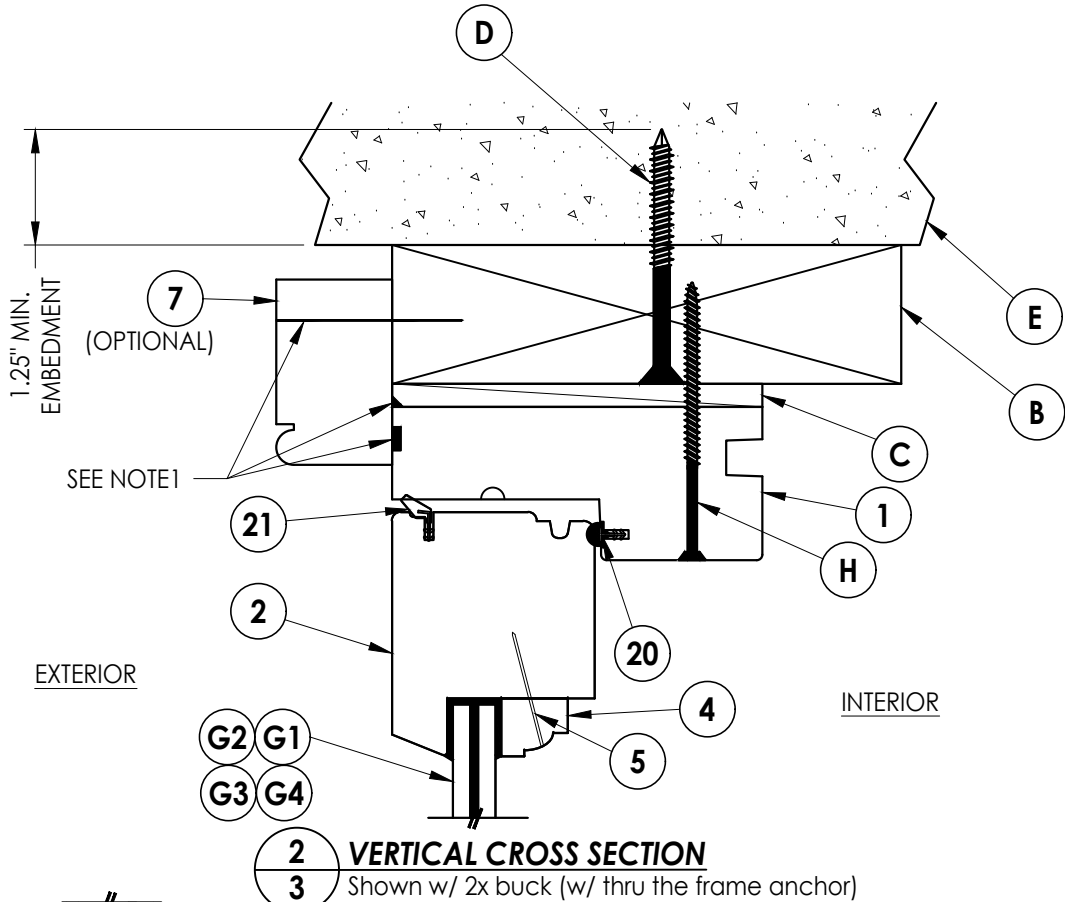
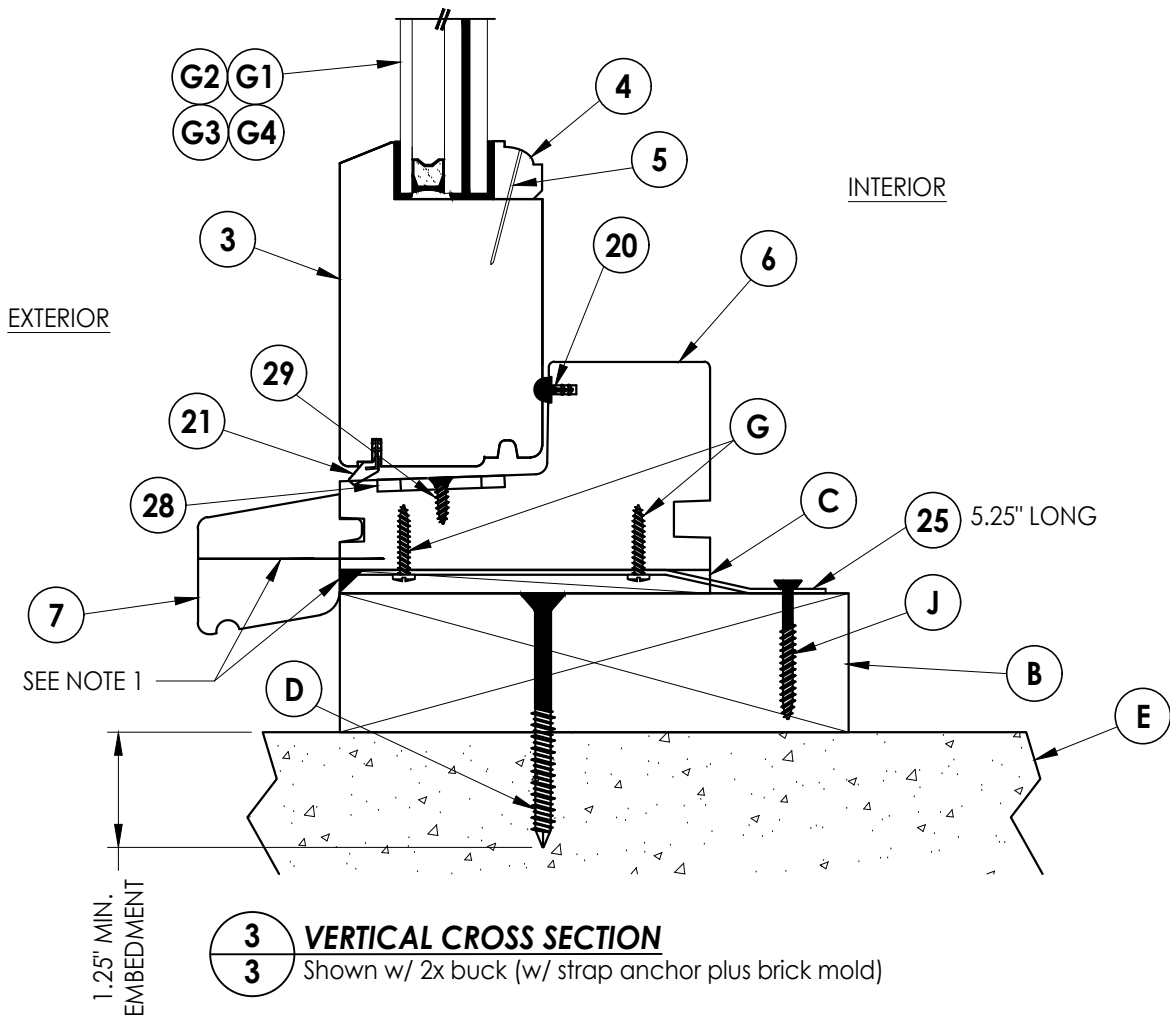
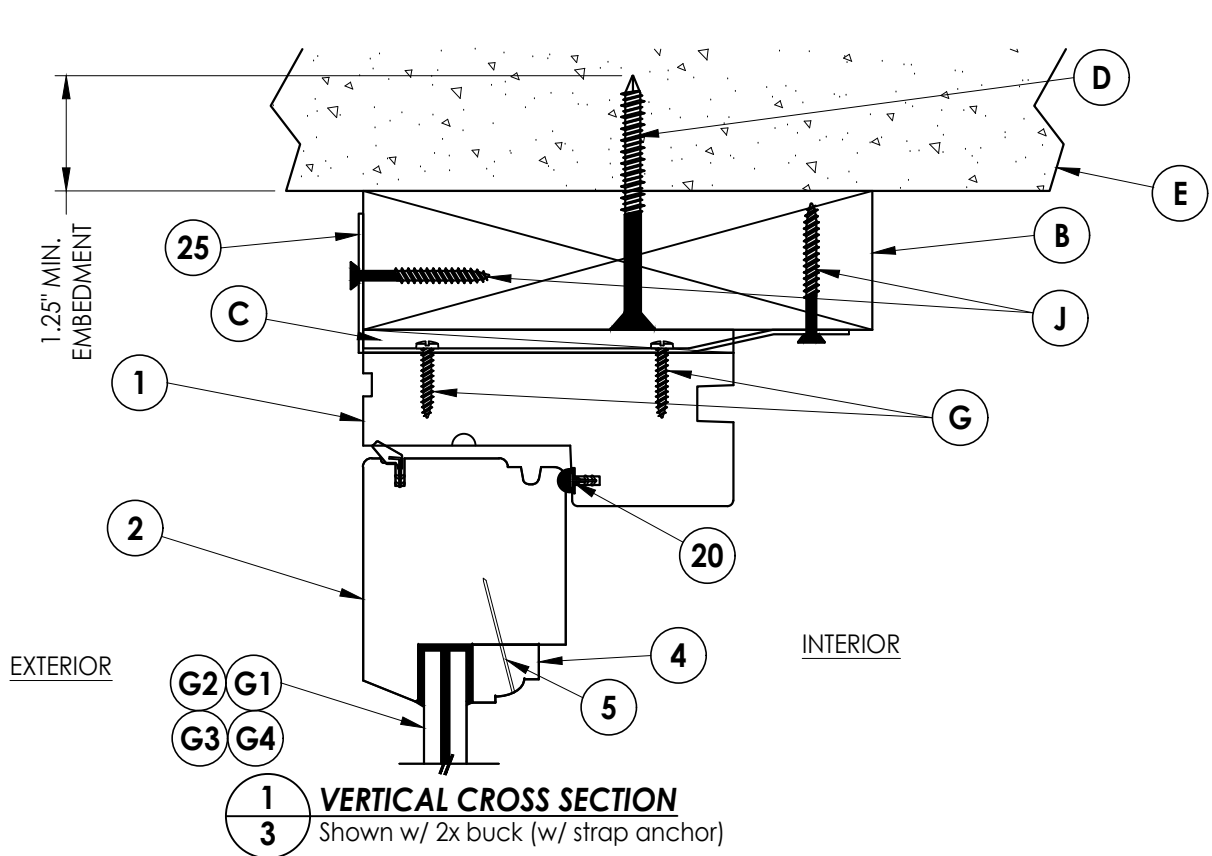
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Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		BRANNEN MILLWORKS		PART OR ASSEMBLY:	
		LFS		HORIZONTAL CROSS SECTIONS	
		LFS		AND HARDWARE DETAILS	
		LFS		JK	
		BY		REVISIONS	
		NO.		DATE	
		4		8/30/23	
		3		9/16/20	
		2		7/10/17	
		1		08/06/15	
		DATE		5/14/12	
		SCALE:		N.T.S.	
		DWG. BY:		JK	
		CHK. BY:		LFS	
		DRAWING NO.:		FL-9267.5	
		SHEET		2 OF 6	

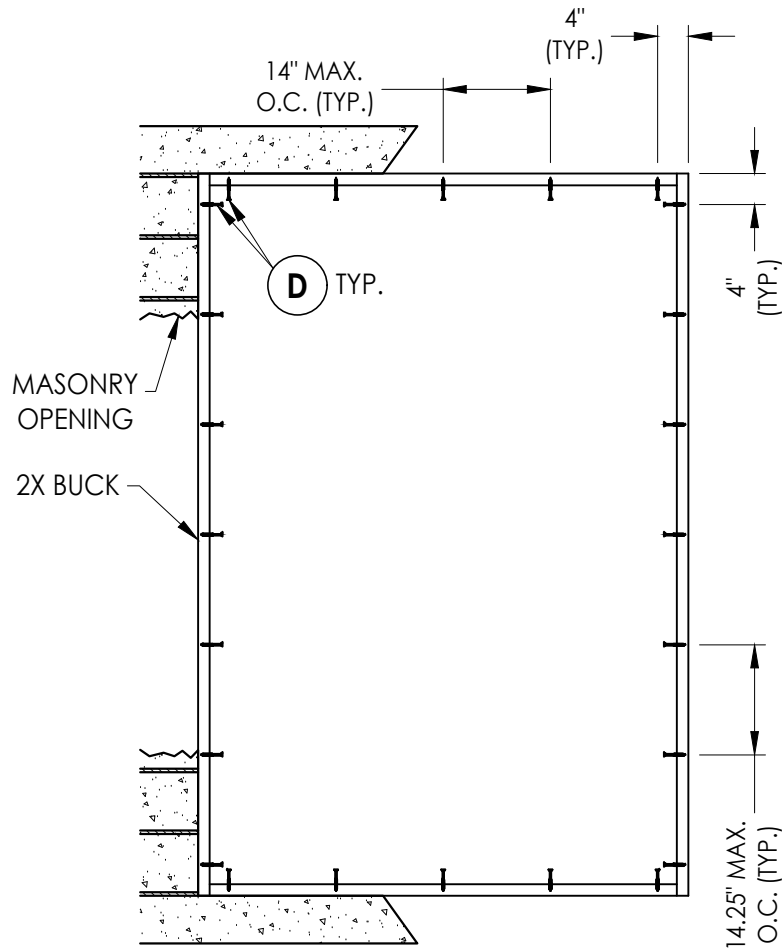
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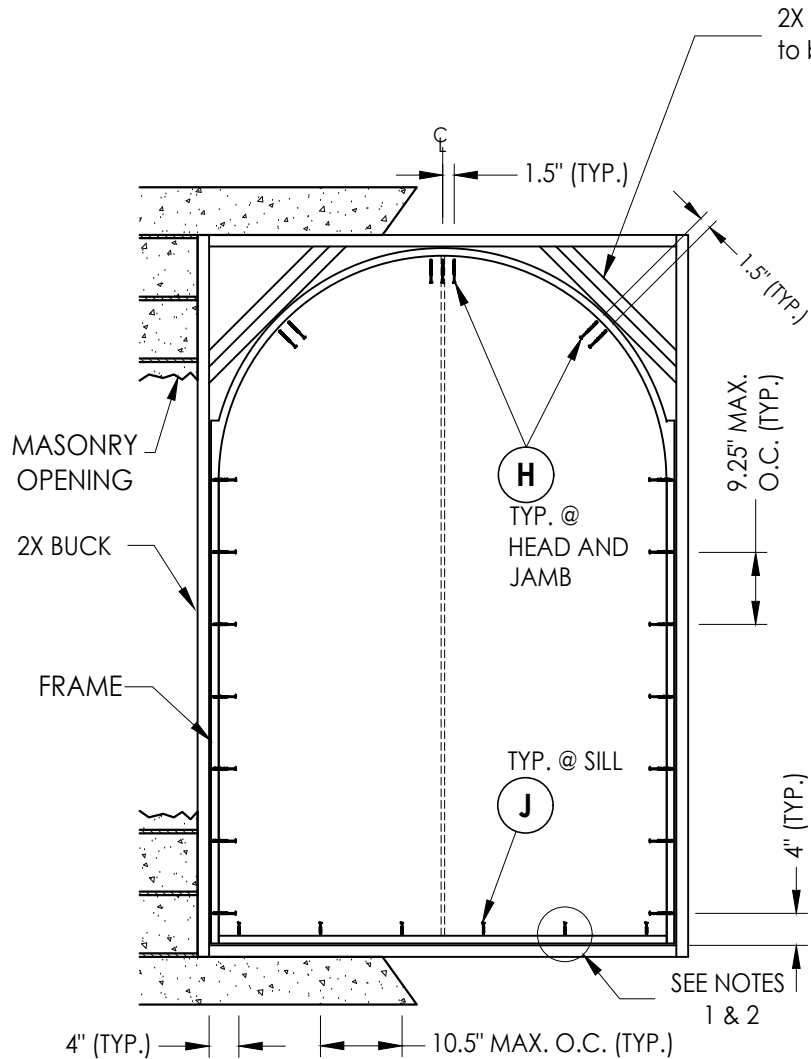
- Note:
1. Brickmold attached with 16 ga. X 2" brad nail located 3" from ends and 12" O.C. thereafter. In addition, apply adhesive (Loctite PL Premium Polyurethane) along entire length.
 2. Item 37 located 2.5" from each end and 10" max. o.c. thereafter.

Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		BRANNEN MILLWORKS		PART OR ASSEMBLY:	
				VERTICAL CROSS SECTIONS	
			LFS	FBC	
			LFS	FBC	
			LFS	FBC	
			JK	FBC	
			BY		
REVISIONS					
		NO.	DATE		
4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC		
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC		
2	7/10/17	UPDATE TO 6TH ED. (2017)	FBC		
1	08/06/15	UPDATE TO 5TH ED. (2014)	FBC		
DATE: 5/14/12					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-9267.5					
SHEET 3 OF 6					

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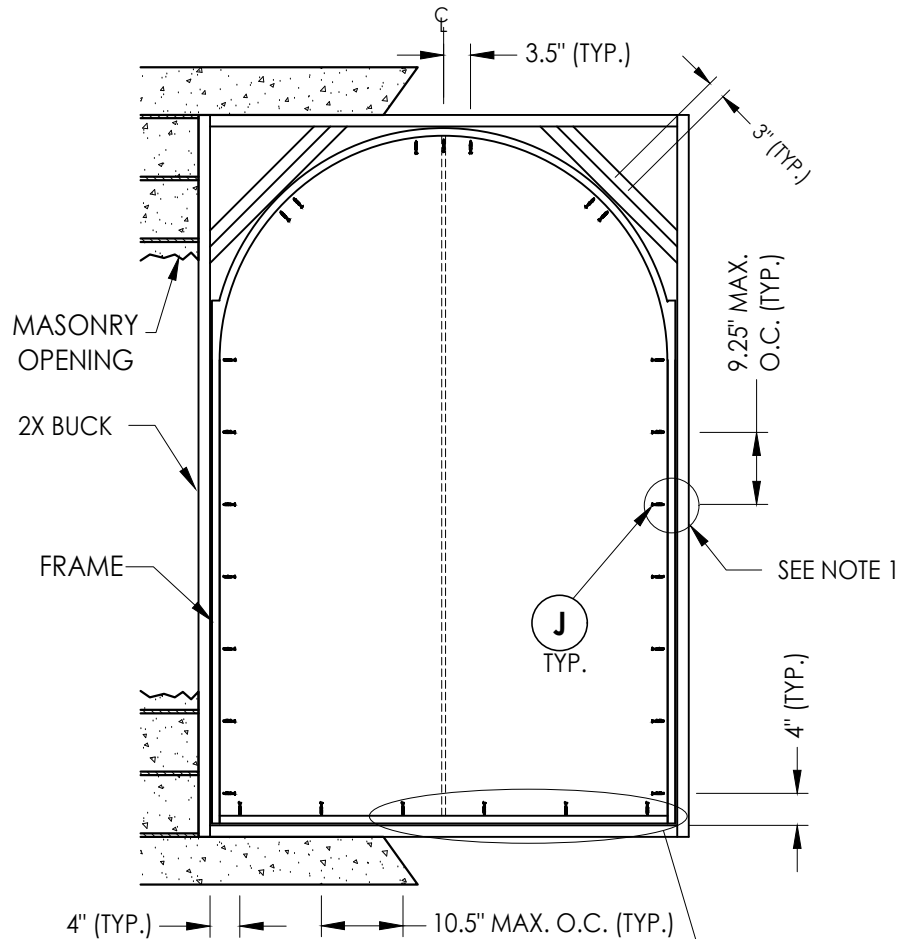


BUCK ANCHORING



FRAME ANCHORING

Masonry buck construction
(Thru the Frame Anchors)



FRAME ANCHORING

Masonry 2X buck construction
(Strap Anchors)

NOTES:

1. Two anchors required at each location w/ strap anchor only.
2. One anchor required at each location w/ strap anchor plus brick mold.

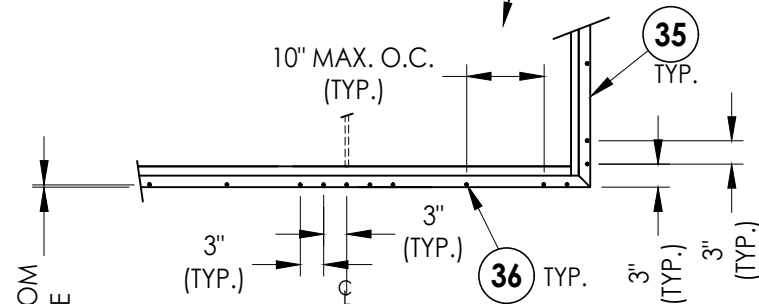
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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:

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



ALTERNATE FRAME ANCHORING (JAMBS & SILL)

Masonry buck construction
(Aluminum Flange Anchor)

NOT FOR USE IN THE HVHZ & EXCLUDES WIND ZONE 4

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

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

PRODUCT:
BRANNEN MILLWORKS

PART OR ASSEMBLY:
BUCK ANCHORING
AND FRAME ANCHORING

NO.	DATE	REVISIONS
4	8/30/23	UPDATE TO 8TH ED. (2023) FBC
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC
2	7/10/17	UPDATE TO 6TH ED. (2017) FBC
1	08/06/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 5/14/12

SCALE: N.T.S.

DWG. BY: JK

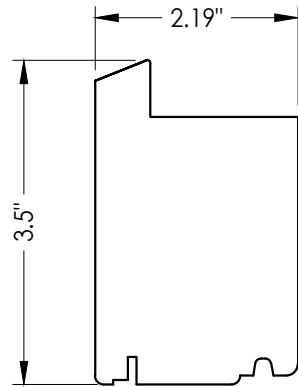
CHK. BY: LFS

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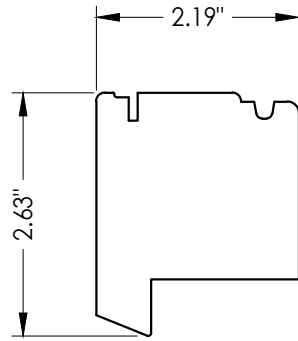
FL-9267.5

SHEET 4 OF 6

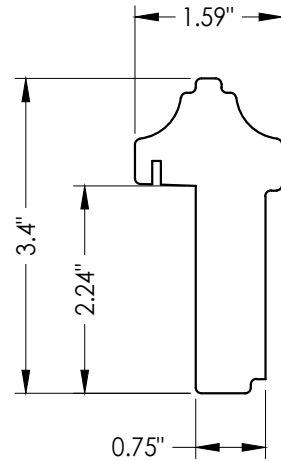
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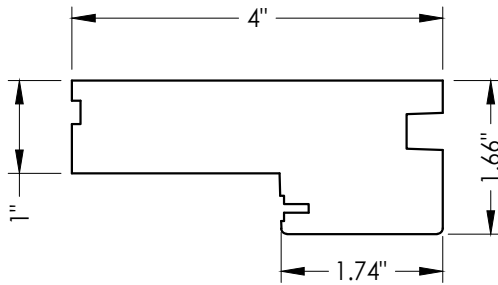
3 BOTTOM RAIL



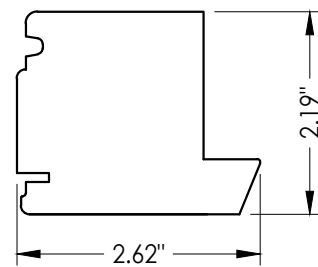
2 TOP RAIL



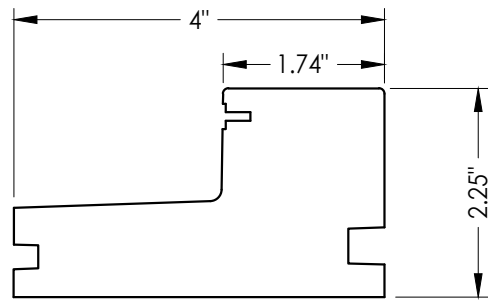
14 ASTRAGAL



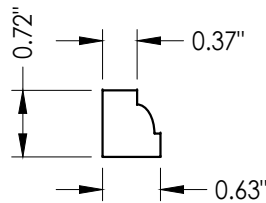
1 FRAME



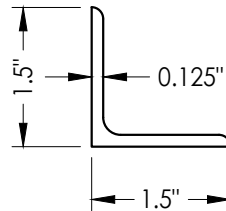
8 STILE



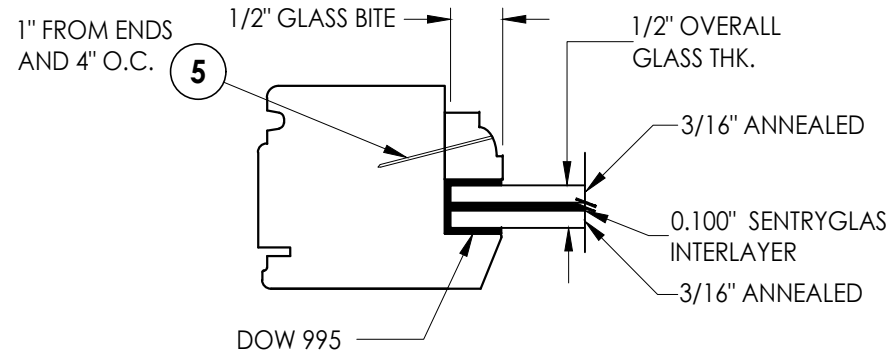
6 SILL



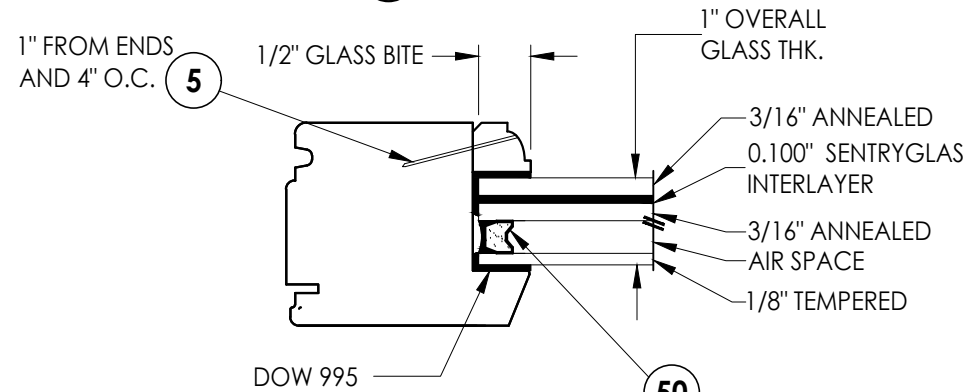
4 GLAZING BEAD



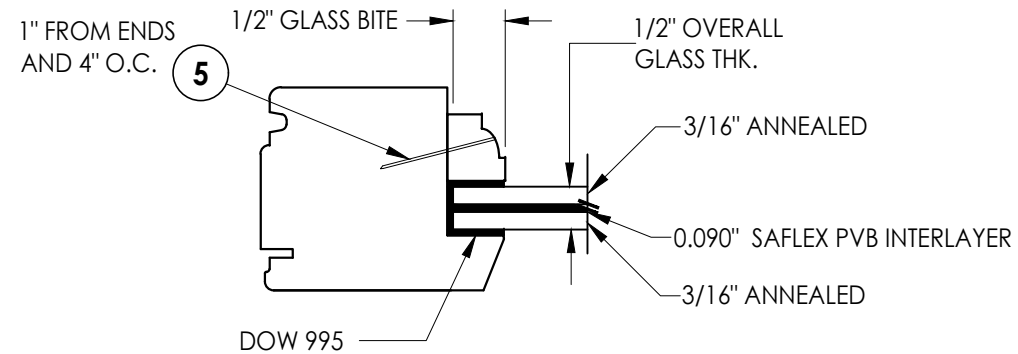
35 ALUMINUM FLANGE ANCHOR



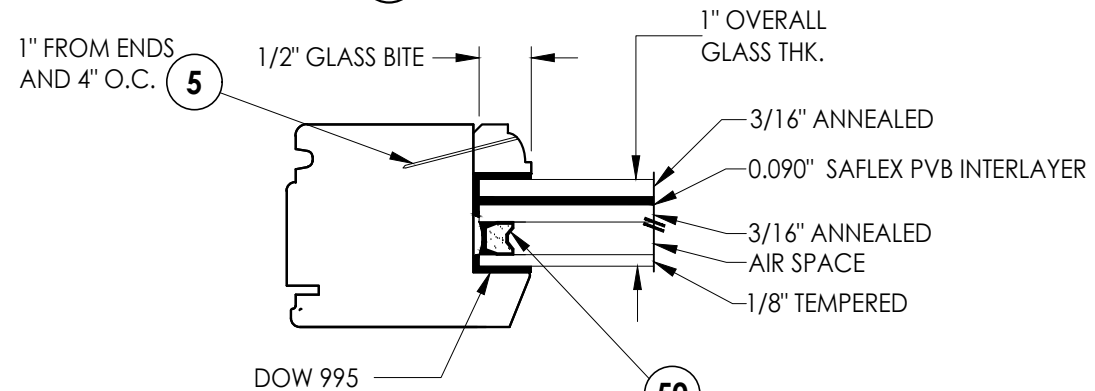
G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL



G4 GLAZING DETAIL

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PRODUCT: BRANNEN MILLWORKS

PART OR ASSEMBLY:
COMPONENTS AND
GLAZING DETAILS

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-9267.5
SHEET	5 OF 6

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" 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
G	#6 X 3/4" PPH SMS	STEEL
H	#10 X 3" FH DEEP THREAD WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
J	#8 X 1-1/2" FH DEEP THREAD WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
K	1/4" X 3-1/4" DeWALT OR ITW CONCRETE SCREW	STEEL
1	FRAME HEAD AND JAMB (SG >= 0.54)	WOOD
2	TOP RAIL	WOOD
3	BOTTOM RAIL	WOOD
4	GLAZING BEAD	WOOD
5	0.025" x 1-3/16" BRAD NAIL	STEEL
6	FRAME SILL	WOOD
7	BRICK MOLDING	WOOD
8	STILE	WOOD
9	4" X 4" BUTT HINGE	STEEL
11	#12 X 1-1/4" PFH WOOD SCREW	STEEL
14	ASTRAGAL	WOOD
20	WEATHERSTRIP (SCHLEGE QEZD 175)	VINYL
21	WEATHERSTRIP (SCHLEGE QEZD 250)	VINYL
25	0.05" X 1.25" X 6.75" Simpson Strong-Tie CS18 Strap	STEEL
28	STRIKE PLATE	STEEL
29	#6 X 1/2" PFH WOOD SCREW	STEEL
35	ALUMINUM FLANGE ANCHOR (6063-T5)	ALUM
36	#8 X 2" FH DEEP THREAD WOOD SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
37	#8 X 3/4" PFH WOOD SCREW (5/8" MIN. EMBEDMENT)	STEEL
39	CAM LOCK	STEEL
40	KEEPER FOR MUSHROOM CAM	BRASS
41	KEEPER SUPPORT	BRASS
42	#8 X 1-1/4" PFH SCREW	STEEL
43	SHOOT BOLT	STEEL
44	3/8" X 5" HH LAG BOLT	STEEL
46	#8 X 1-1/2" PFH SCREW	STEEL
50	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL

NOTE: WINDOW FRAME WOOD (SG ≥ 0.54)

PRODUCT:	BRANNEN MILLWORKS						
PART OR ASSEMBLY:	BILL OF MATERIALS						
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	1	08/06/15	UPDATE TO 5TH ED.	(2014)	FBC	JK	
	NO.	DATE				BY	
							REVISIONS
DATE:	5/14/12						
SCALE:	N.T.S.						
DWG. BY:	JK						
CHK. BY:	LFS						
DRAWING NO.:	FL-9267.5						
SHEET	<u>6</u>	OF	<u>6</u>				