

3379 EAST HWY. 46
REGISTER, GEORGIA 30452

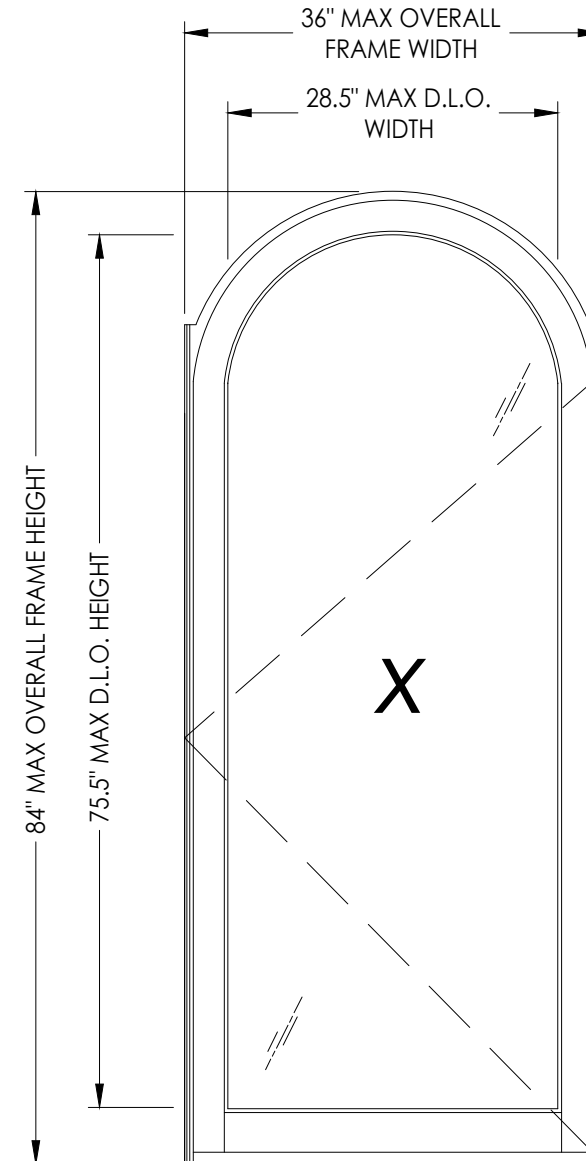
CASEMENT WINDOWS

"IMPACT"

GENERAL NOTES

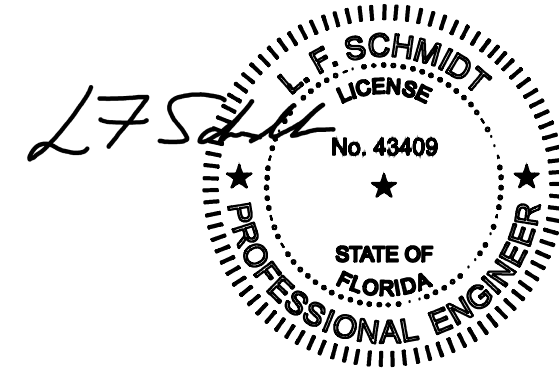
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 elevation, design pressures & general notes
2	Horizontal cross section and hardware details
3	Vertical cross sections
4	Vertical cross sections
5	Buck anchoring and frame anchoring
6	Components and glazing details
7	Bill of materials



OVERALL FRAME DIMENSION	MAX OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
36.0" x 84.0"	28.5" x 75.5"	G1	+60.0	-70.0
36.0" x 84.0"	28.5" x 75.5"	G2*	+50.0	-50.0

* GLAZING DETAIL "G2" ONLY APPLICABLE OUTSIDE THE "HVHZ"



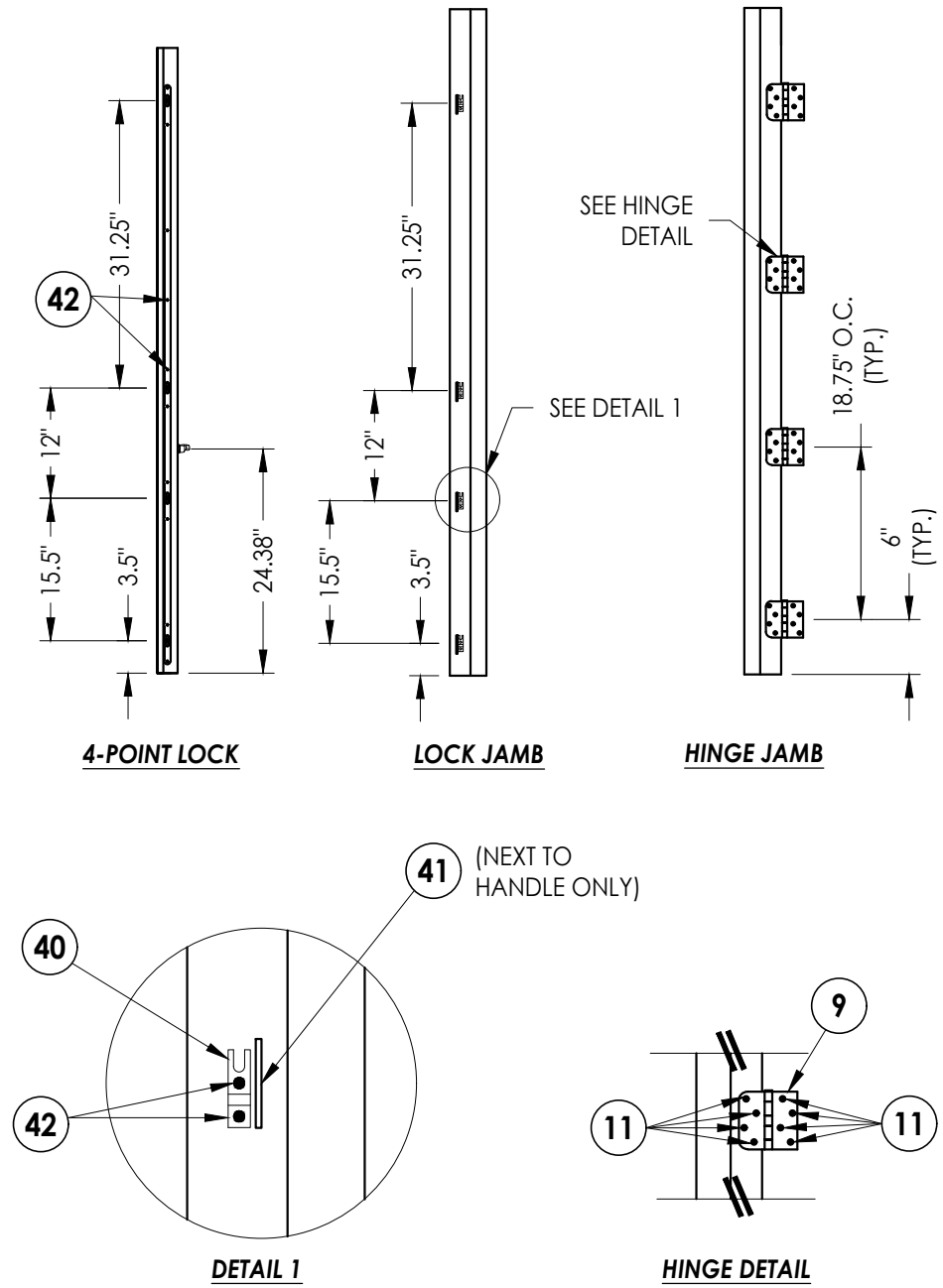
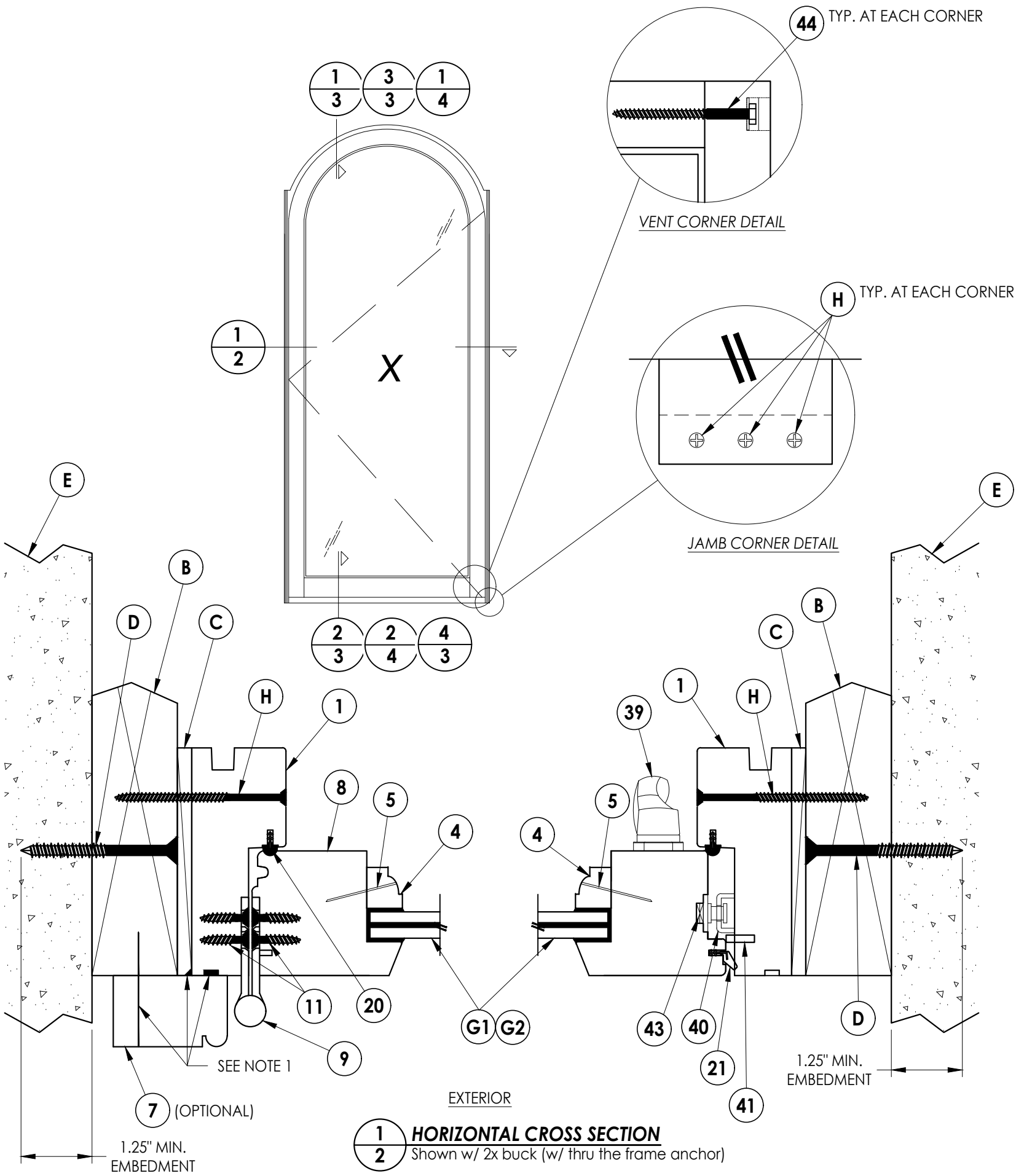
Digitally signed by Lyndon F Schmidt
Date: 2023.10.11 14:22:17 -04'00'

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

PRODUCT: BRANNEN MILLWORKS		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
SHEET 1 OF 7					
DRAWING NO.: FL-9267.9					
CHK. BY: LFS					
DWG. BY: JK					
SCALE: N.T.S.					
DATE: 11/22/12					
NO.		DATE		REVISIONS	
1		08/06/15		UPDATE TO 5TH ED. (2014) FBC	
2		7/10/17		UPDATE TO 6TH ED. (2017) FBC	
3		9/16/20		UPDATE TO 7TH ED. (2020) FBC	
4		8/30/23		UPDATE TO 8TH ED. (2023) FBC	
				LFS	
				LFS	
				JK	
				BY	



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.

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

DATE: 11/22/12

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: *LFS*

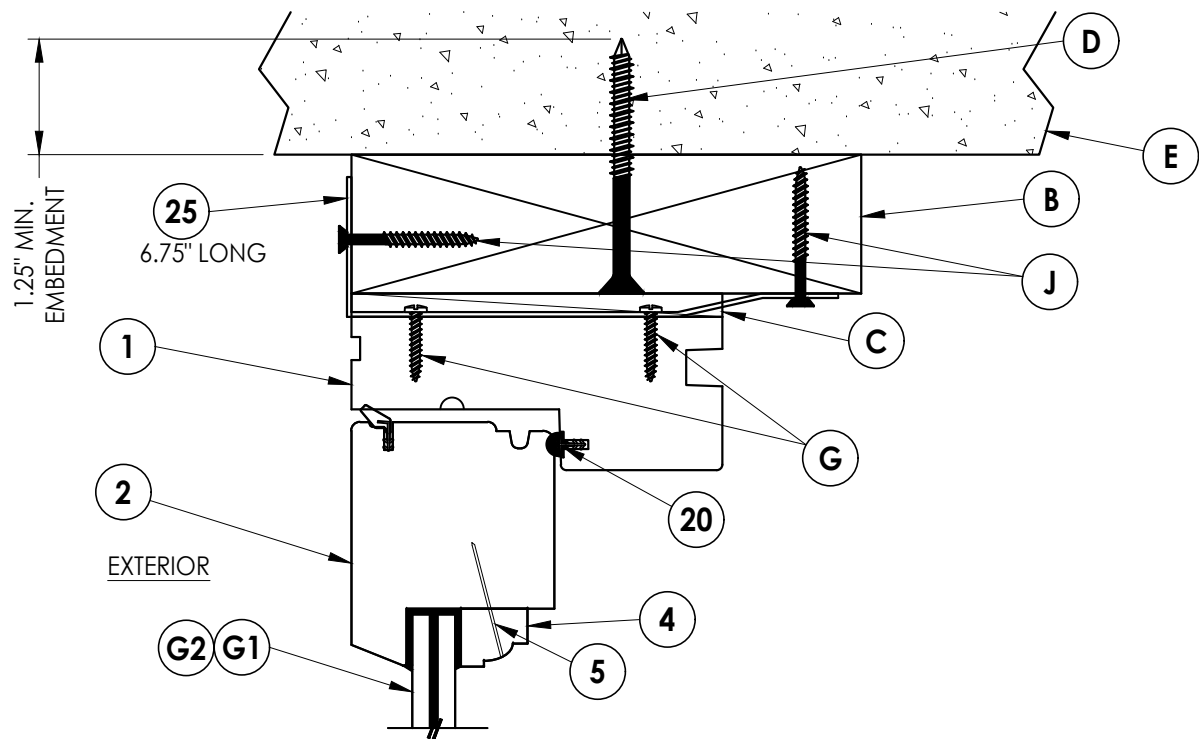
DRAWING NO.:

FL-9267.9

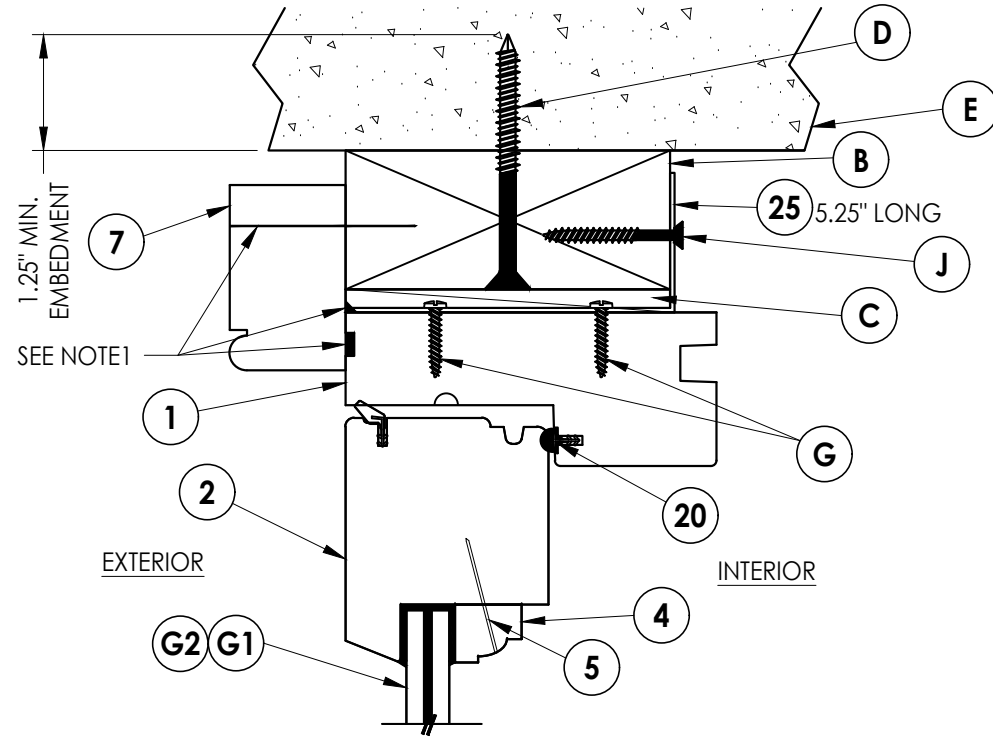
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

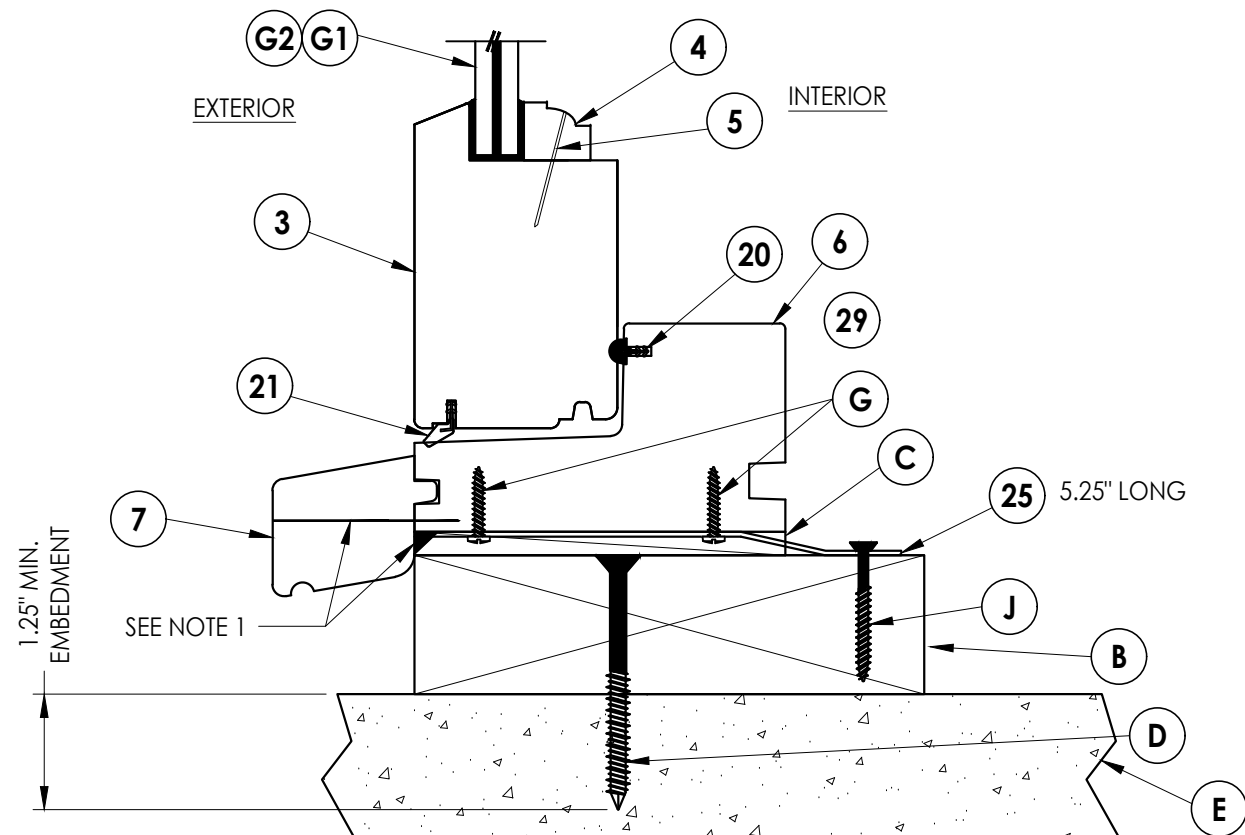
© 2012 R.W. BUILDING CONSULTANTS INC.



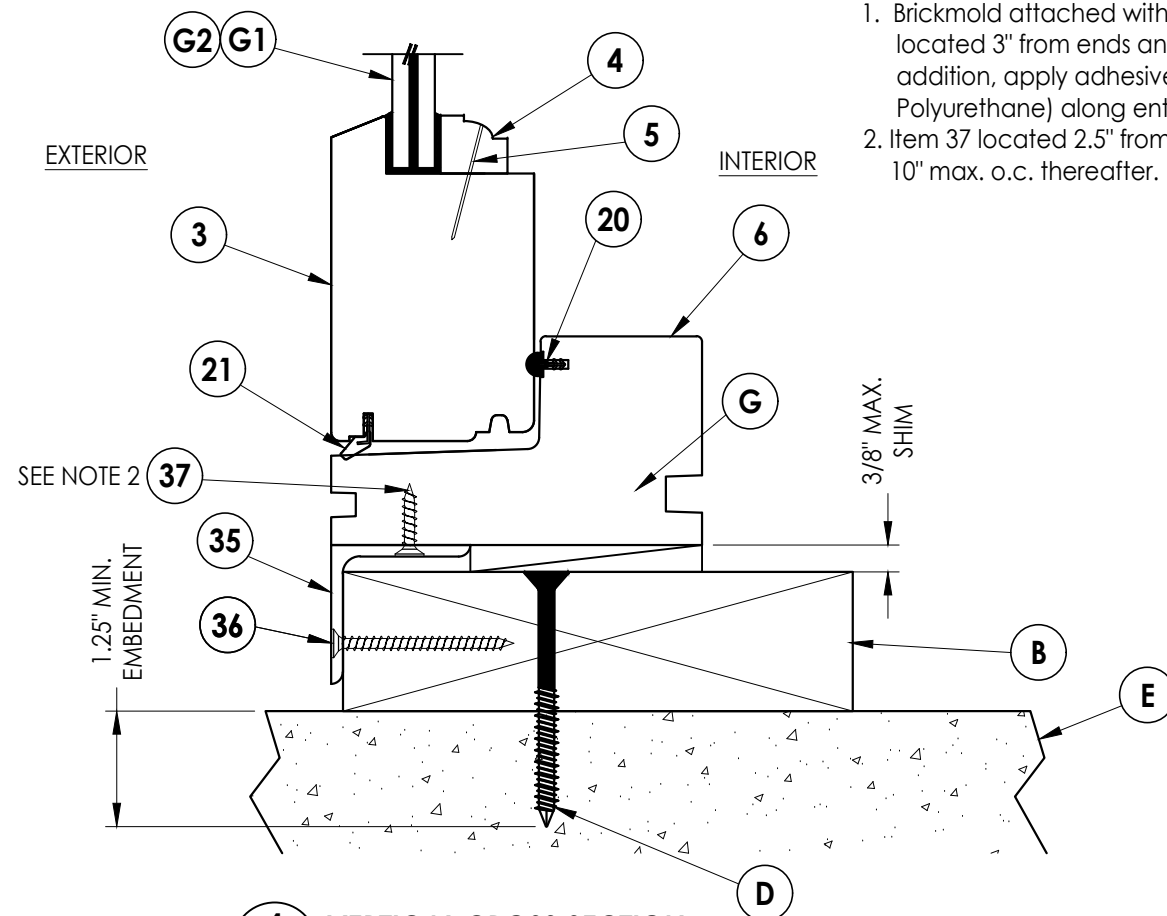
1 **VERTICAL CROSS SECTION**
3 Shown w/ 2x buck (w/ strap anchor)



3 **VERTICAL CROSS SECTION**
3 Shown w/ 2x buck (w/ strap anchor plus brick mold)



2 VERTICAL CROSS SECTION
3 Shown w/ 2x buck (w/ strap anchor plus brick mold)

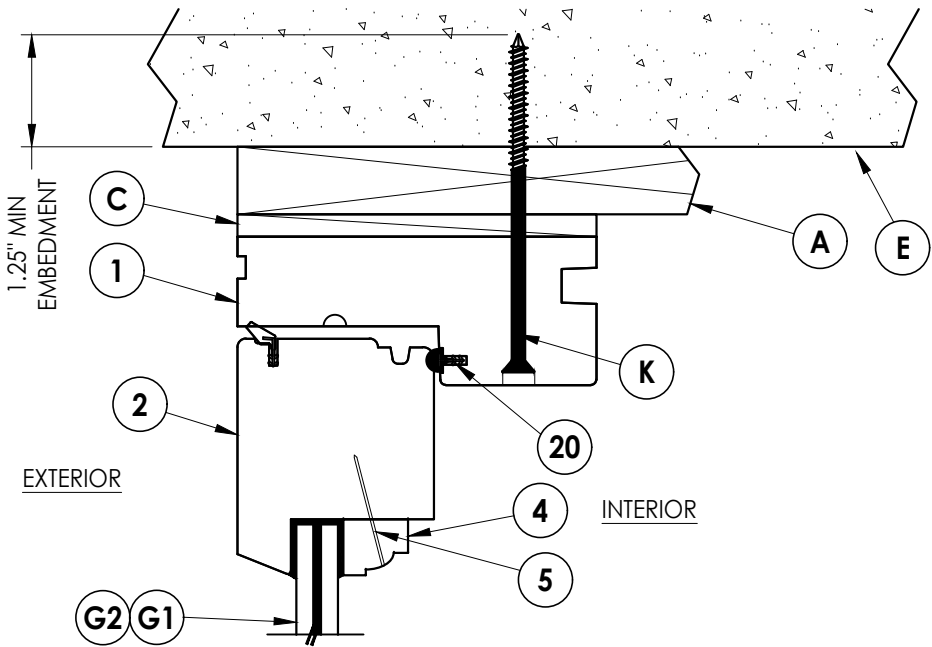


4 **VERTICAL CROSS SECTION**
3 Shown w/ alternate alum. flange anchor

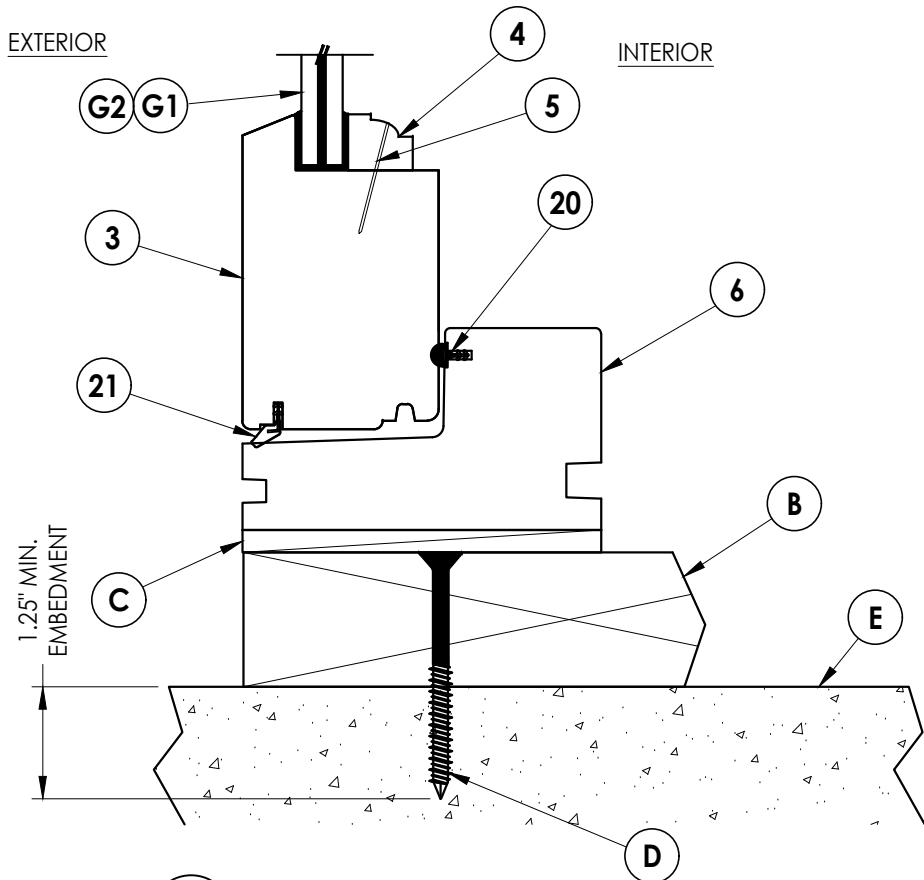
Notes:

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.

DATE: 11/22/12		REVISIONS		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS		PRODUCT: BRANNEN MILLWORKS		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
NO. DATE									
1 08/06/15		UPDATE TO 5TH ED. (2014)		FBC		JK			
2 7/10/17		UPDATE TO 6TH ED. (2017)		FBC		LFS			
3 9/16/20		UPDATE TO 7TH ED. (2020)		FBC		LFS			
4 8/30/23		UPDATE TO 8TH ED. (2023)		FBC		LFS			



1
4 **VERTICAL CROSS SECTION**
Shown w/ 1x buck (w/ thru the frame anchor)



2
4 **VERTICAL CROSS SECTION**
Shown w/ 2x buck

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

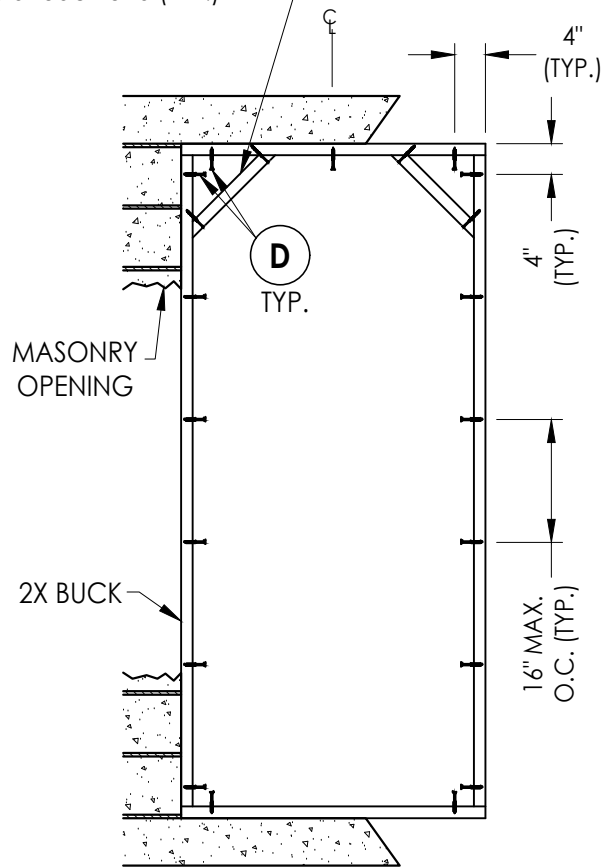
DATE: 11/22/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-9267.9
SHEET 4 OF 7

PRODUCT:	BRANNEN MILLWORKS
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

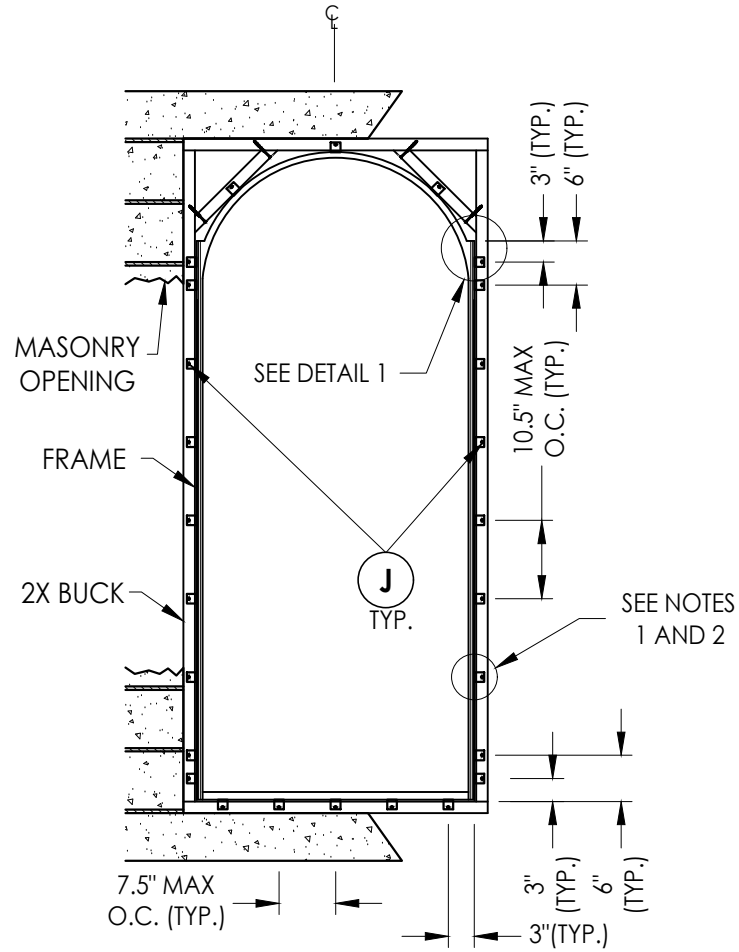
Documents Prepared By:
Lyndon F. Schmidt
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Brannen Millwork\FL-9267 R8 Casement\FL-9267.3-9.dwg

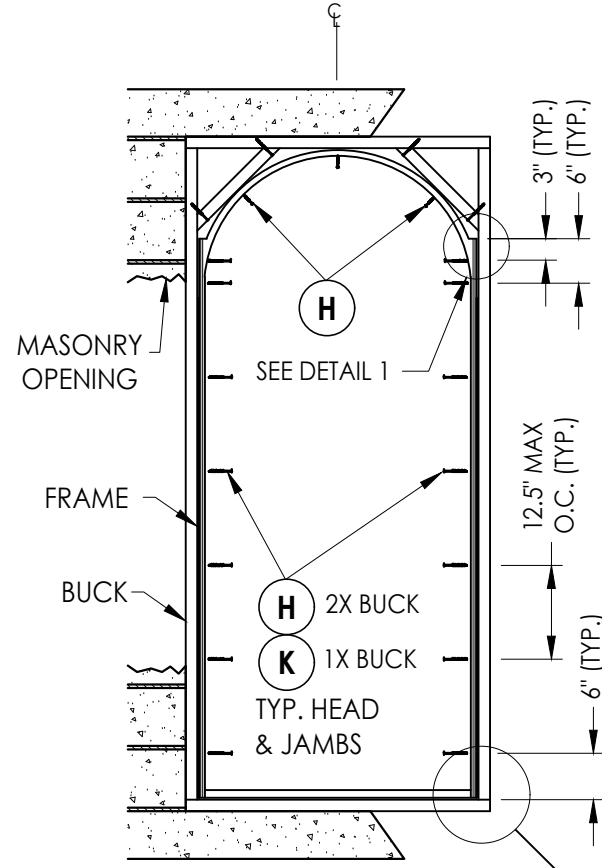
2X Framing (SG ≥ 0.42) attach with
(2) #8 X 3" PFH WS at each end (TYP.)



BUCK ANCHORING



FRAME ANCHORING
Masonry buck anchoring
(Strap anchoring)



FRAME ANCHORING
Masonry buck anchoring
(Thru the frame anchoring)

NOTES:

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

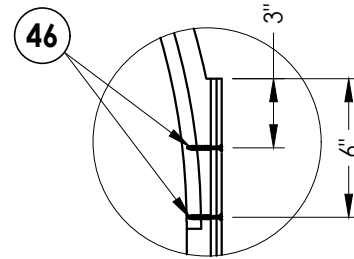
CONCRETE ANCHOR NOTES:

- 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:

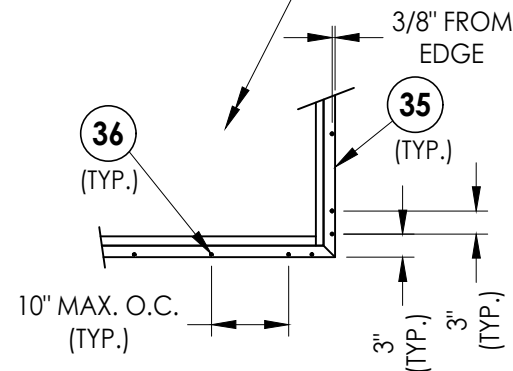
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

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.



DETAIL 1



ALTERNATE FRAME ANCHORING (JAMBS & SILL)
Masonry buck construction
(Aluminum Flange Anchor)

NOT FOR USE IN THE HVHZ & EXCLUDES WIND ZONE 4
MAX. DP = +60/-65 PSF

Documents Prepared By:
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P.E. No. 43409

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

PRODUCT:
BRANNEN MILLWORKS

PART OR ASSEMBLY:
BUCK ANCHORING
AND FRAME ANCHORING

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

DATE: 11/22/12

SCALE: N.T.S.

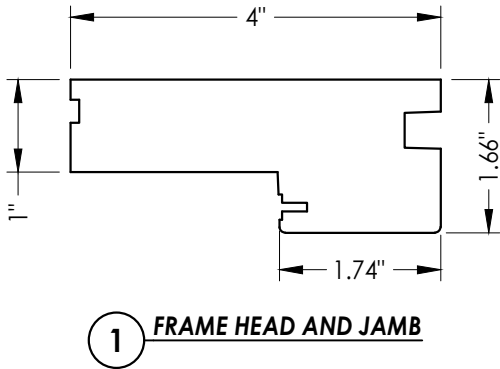
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CHK. BY: LFS

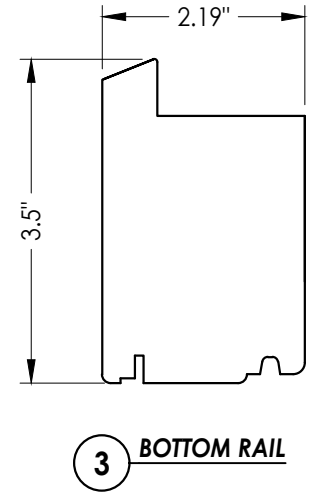
DRAWING NO.: FL-9267.9

SHEET 5 OF 7

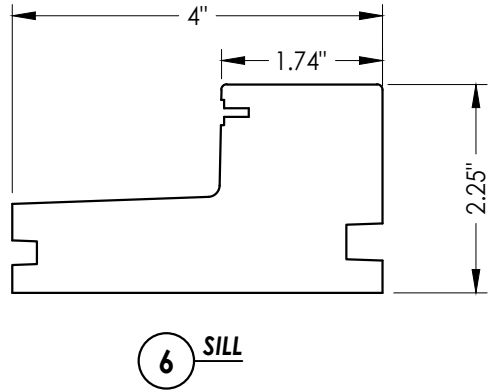
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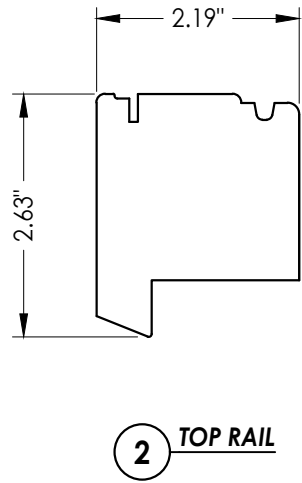
1 **FRAME HEAD AND JAMB**



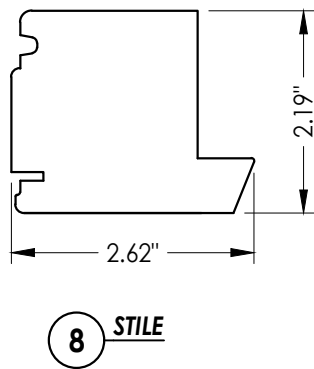
3 **BOTTOM RAIL**



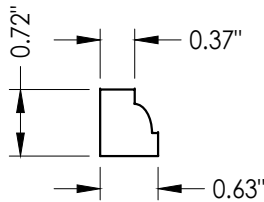
6 **SILL**



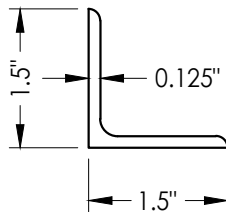
2 **TOP RAIL**



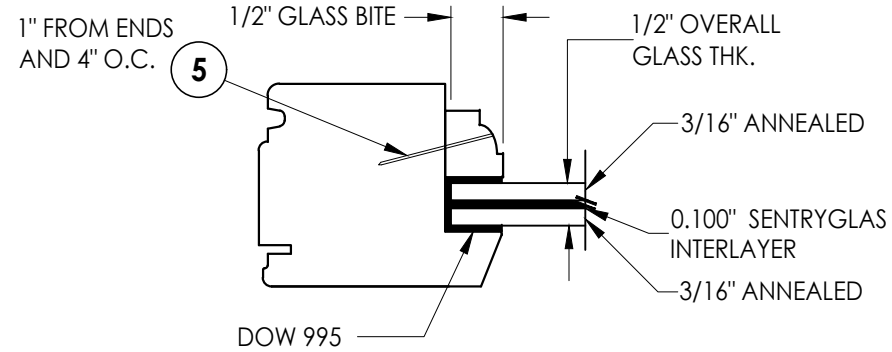
8 **STILE**



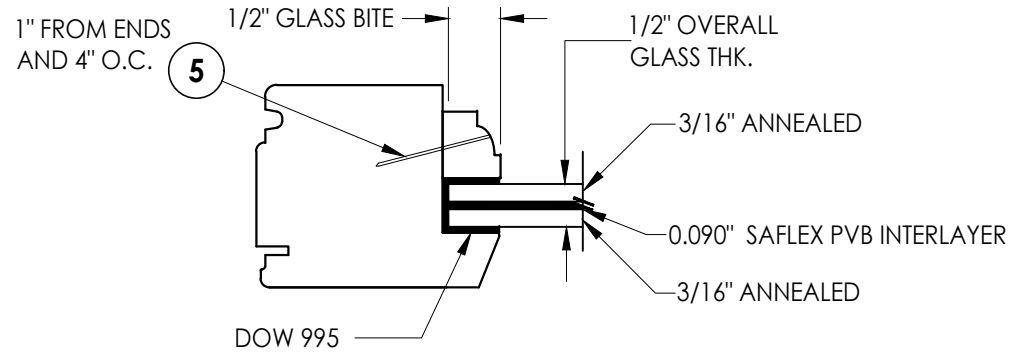
4 **GLAZING BEAD**



35 **ALUMINUM FLANGE ANCHOR**



G1 **GLAZING DETAIL**



G2 **GLAZING DETAIL**

DATE: 11/22/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-9267.9

SHEET 6 OF 7

PRODUCT: BRANNEN MILLWORKS

PART OR ASSEMBLY: COMPONENTS AND GLAZING DETAILS

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

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

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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" 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
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" PFH 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
20	WEATHERSTRIP (SCHLEGE QEZD 175)	VINYL
21	WEATHERSTRIP (SCHLEGE QEZD 250)	VINYL
25	0.05" X 1.25" Simpson Strong-Tie CS18 Strap (LENGTH VARIES)	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

NOTE: WINDOW FRAME WOOD (SG ≥ 0.54)

DATE: 11/22/12		REVISIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-9267.9			
SHEET 7 OF 7			
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
PRODUCT:		BRANNEN MILLWORKS	
PART OR ASSEMBLY:		BILL OF MATERIALS	
Documents Prepared By:		BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt		P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409		Phone No.: 813.659.9197	
		FBPE Registry No. 9813	