

BRANNEN MILLWORK

3379 EAST HWY. 46
REGISTER, GEORGIA 30452

CASEMENT WINDOWS
"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.

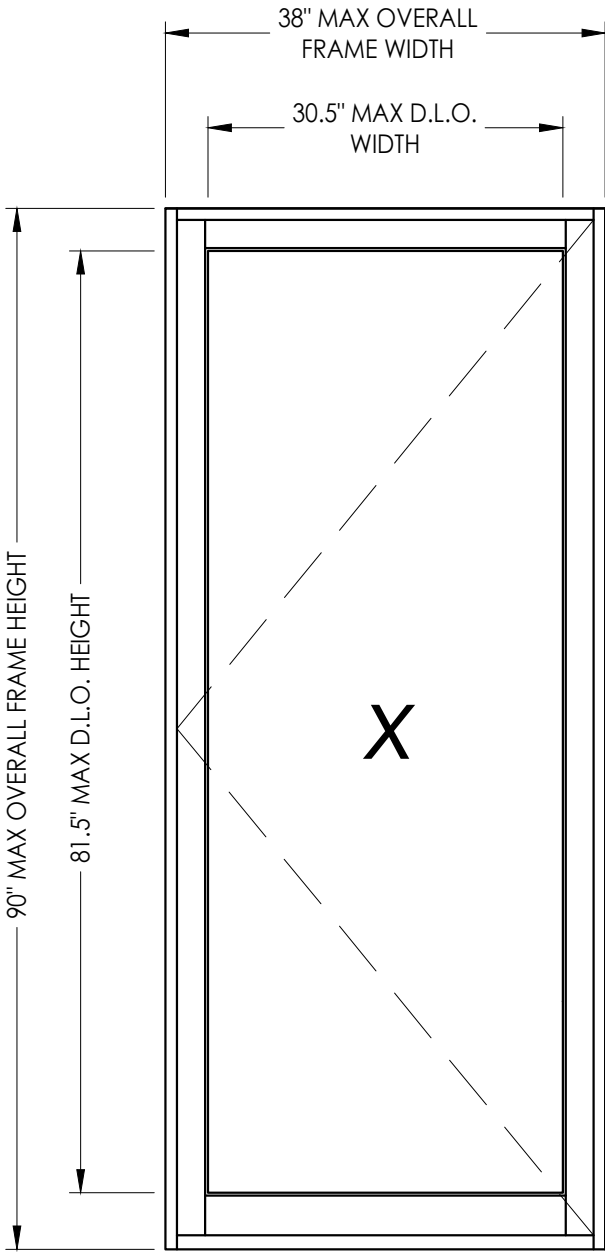
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

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.

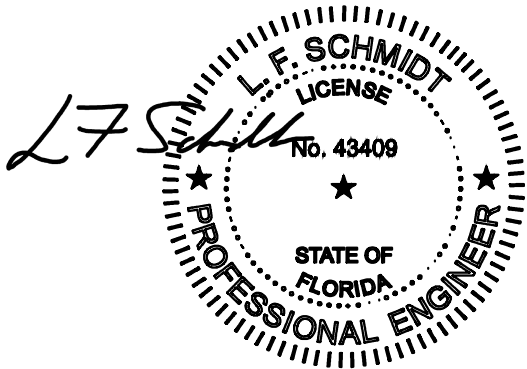
For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5.

Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, 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 detail
7	Bill of materials



OVERALL FRAME DIMENSION	MAX OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
38.0" x 90.0"	30.5" x 81.5"	+65.0	-70.0



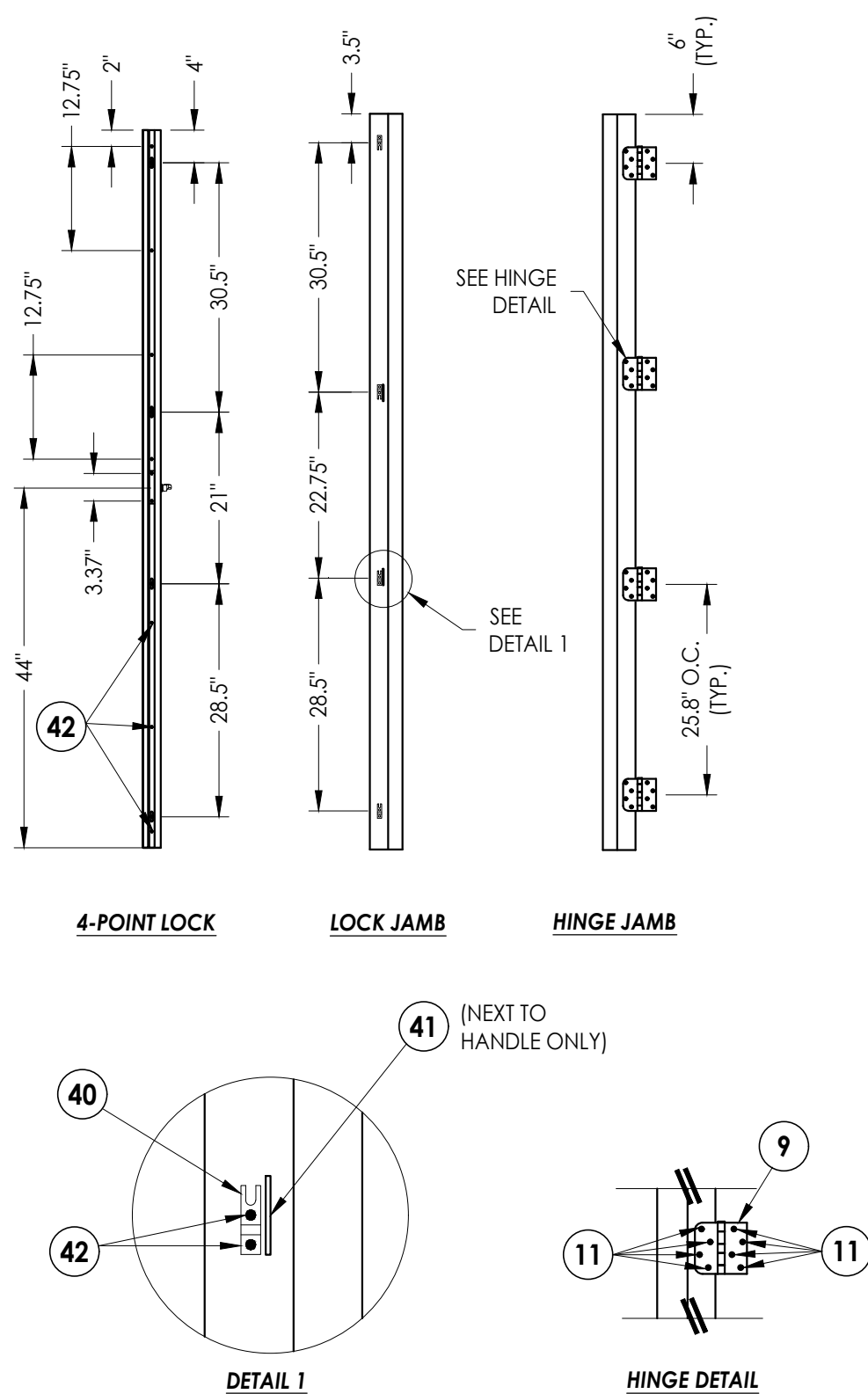
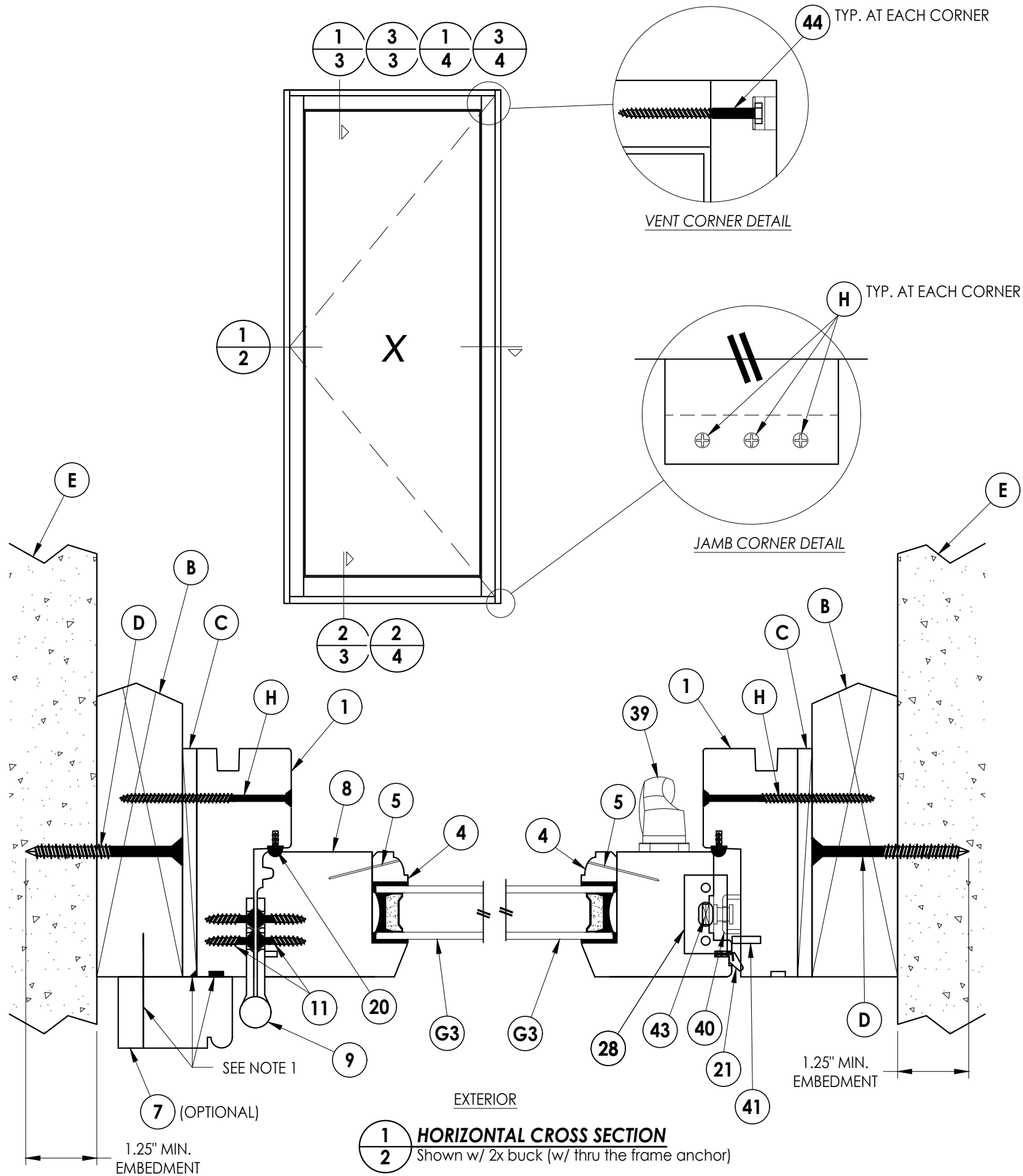
Digitally signed by Lyndon F Schmidt
Date: 2023.10.11 14:22:33 -04'00'

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		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: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		
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: 5/14/12				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-9267.8				
SHEET 1 OF 7				

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



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.

PRODUCT:		BRANNEN MILLWORKS	
Documents Prepared By:		Lyndon F. Schmidt P.E. No. 43409	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTION AND HAREWARE DETAILS	
DATE:		5/14/12	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-9267.8	
SHEET		2	OF 7
REVISONS			
NO.	DATE	BY	
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

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1.25" MIN. EMBEDMENT

SEE NOTE 1

EXTERIOR

INTERIOR

Labels: 1, 2, 7, 20, 25 5.25" LONG, 4, 5, G3, G, C, B, D, E, J

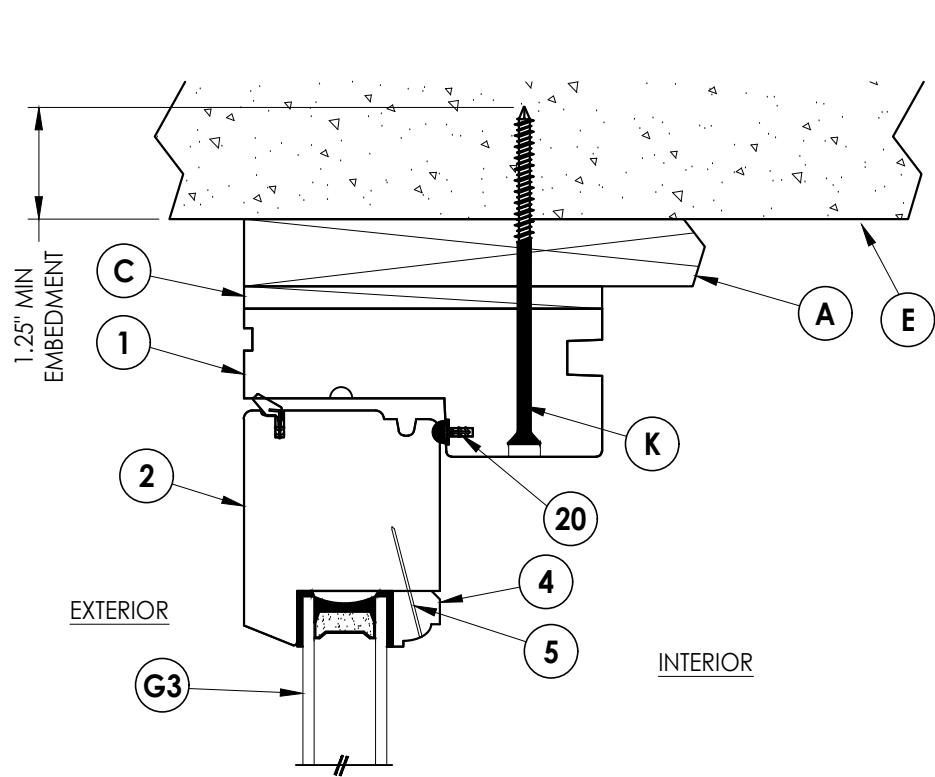
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-9267.8
SHEET	<u>3</u> OF <u>7</u>

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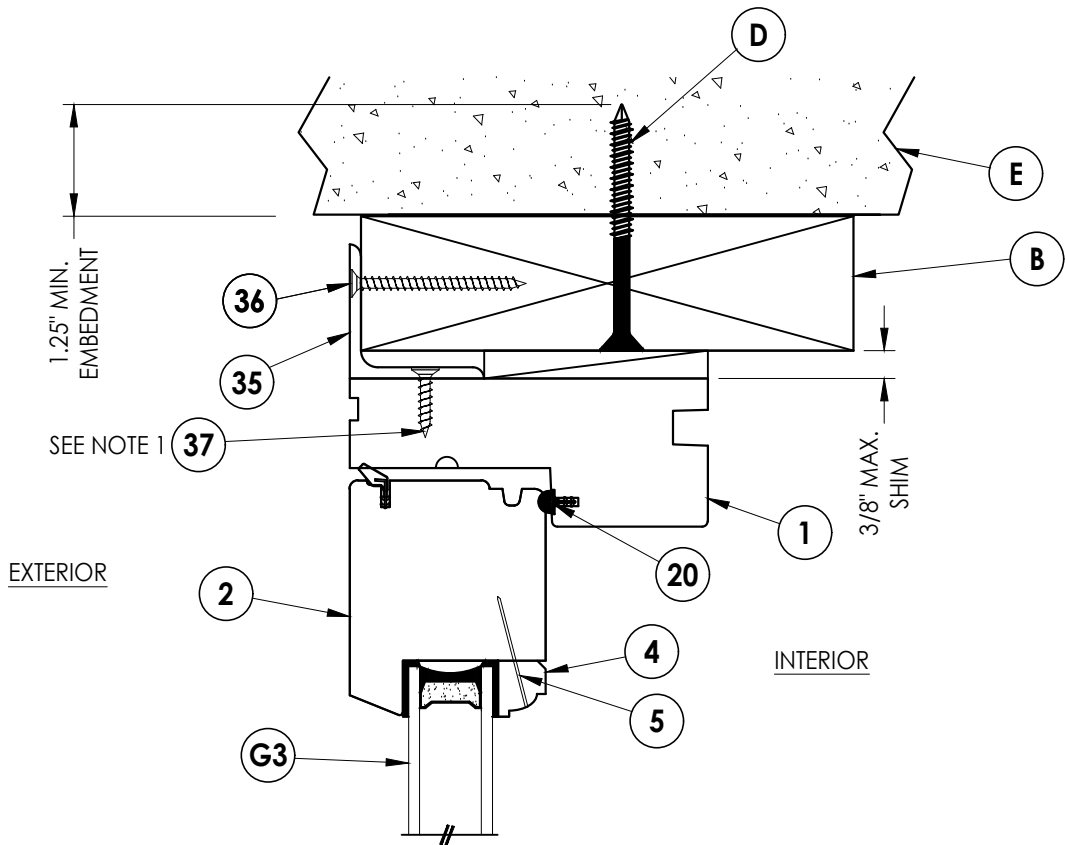
PART OR ASSEMBLY:

**VERTICAL
CROSS SECTIONS**

4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
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NO.	DATE			BY
				REVISIONS

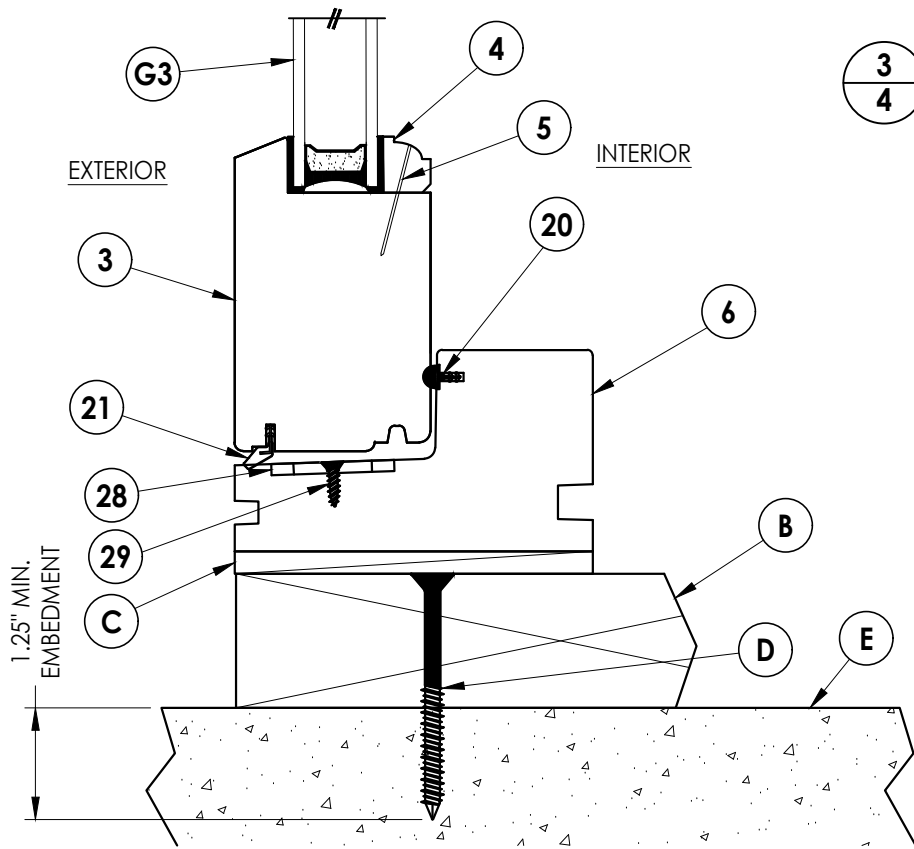


1 VERTICAL CROSS SECTION
4 Shown w/ 1x buck (w/ thru the frame anchor)



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

Note:
1. Item 37 located 2.5" from each end
and 10" max. o.c. thereafter.



2 VERTICAL CROSS SECTION
4 Shown w/ 2x buck

DATE: 5/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-9267.8

SHEET 4 OF 7

PRODUCT: BRANNEN MILLWORKS

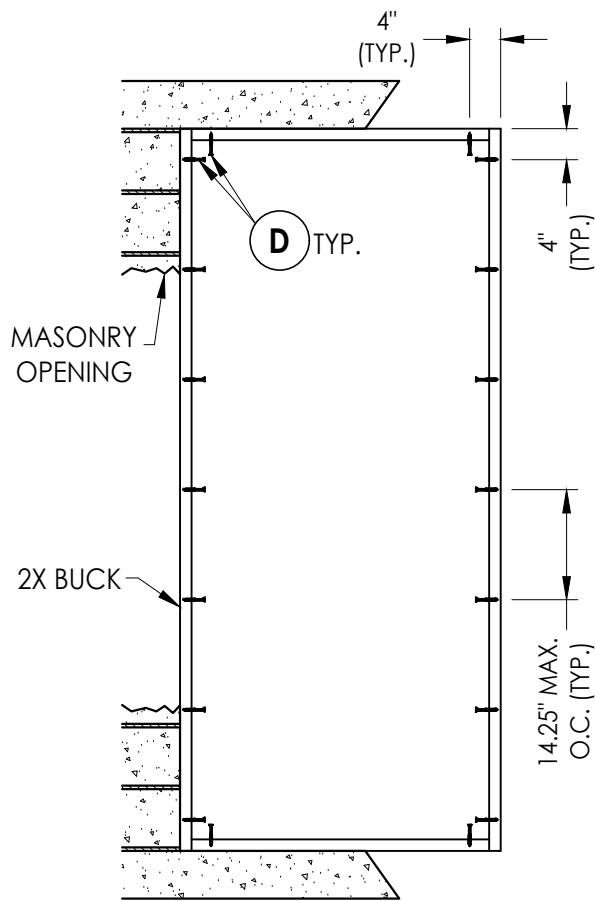
PART OR ASSEMBLY:

VERTICAL
CROSS SECTIONS

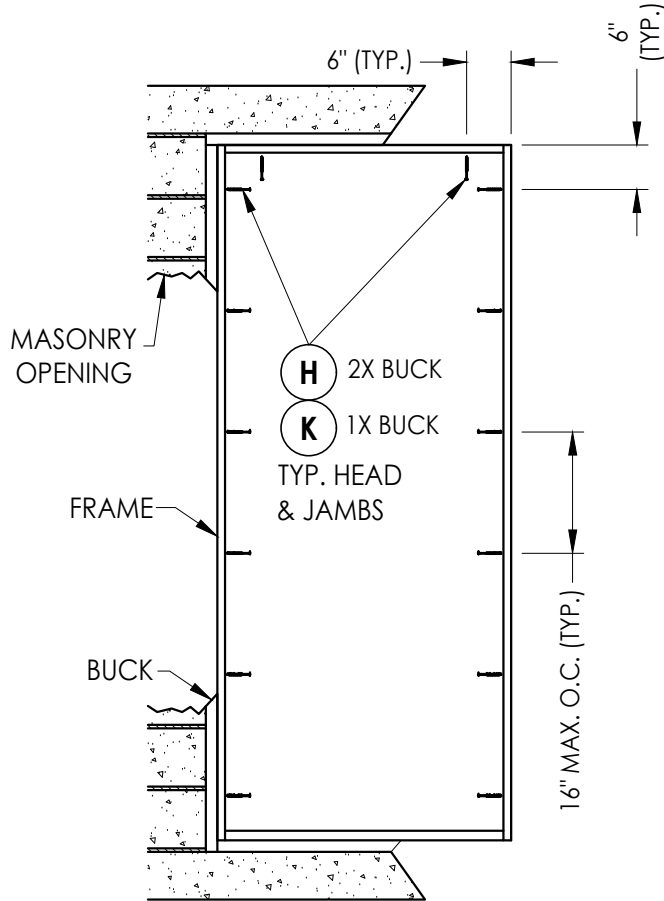
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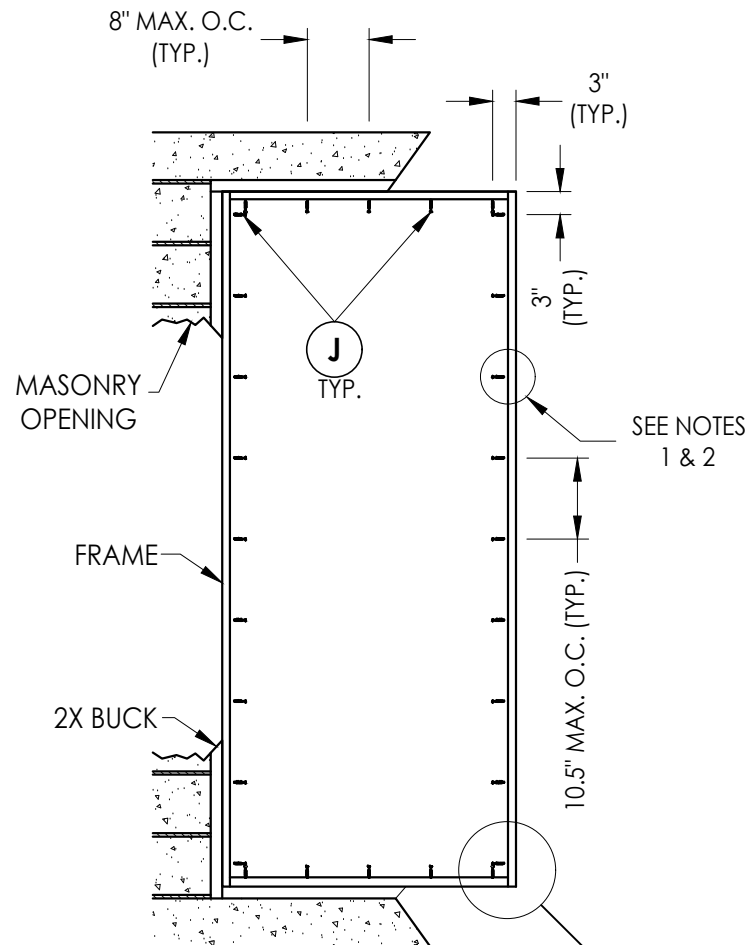
BUCK ANCHORING



FRAME ANCHORING

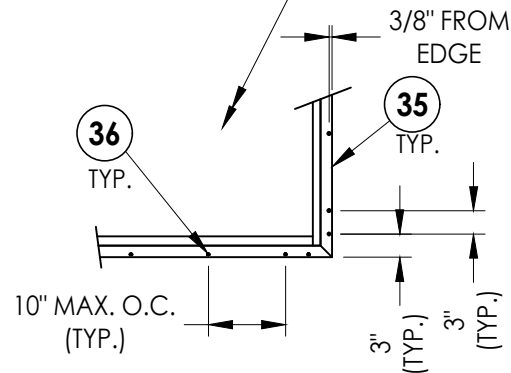
Masonry buck construction
(Thru the Frame Anchoring)

- 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.



FRAME ANCHORING

Masonry buck construction
(Strap Anchor Options)



ALTERNATE FRAME ANCHORING

Masonry buck construction
(Aluminum Flange Anchor)

MAX. DP = +60/-65 PSF

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.

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PRODUCT:
BRANNEN MILLWORKS

PART OR ASSEMBLY:
BUCK ANCHORING
AND FRAME ANCHORING

NO.	DATE	REVISIONS
4	8/30/23	UPDATE TO 8TH ED. (2023) FBC
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1	08/06/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 5/14/12

SCALE: N.T.S.

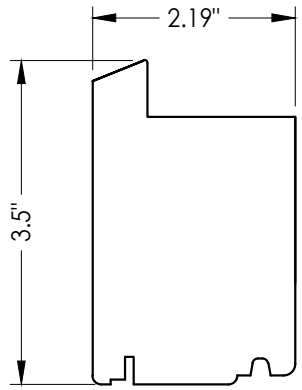
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CHK. BY: LFS

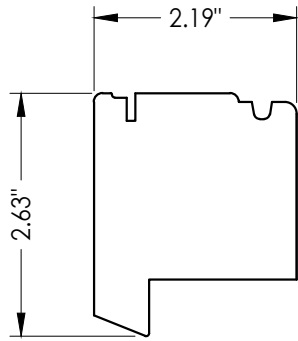
DRAWING NO.:

FL-9267.8

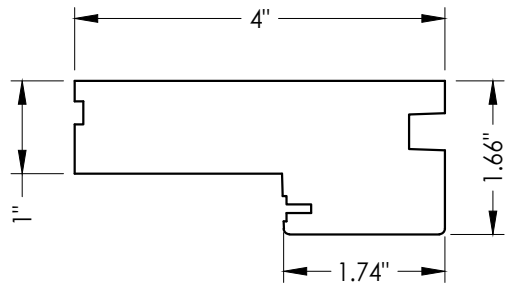
SHEET 5 OF 7



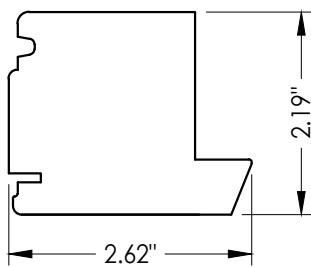
3 BOTTOM RAIL



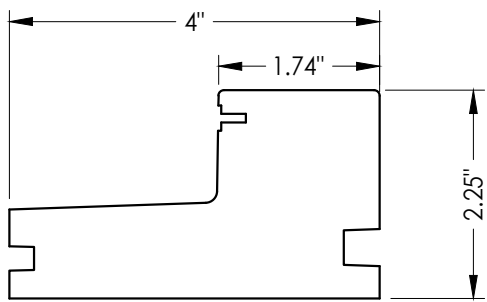
2 TOP RAIL



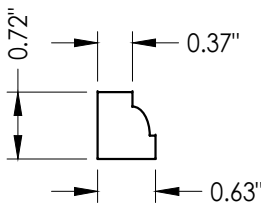
1 FRAME HEAD AND JAMB



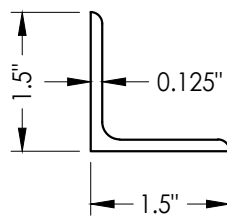
8 STILE



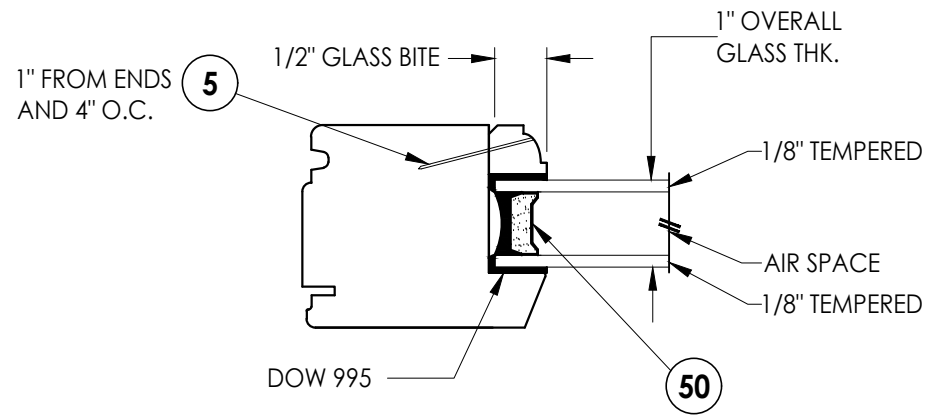
6 SILL



4 GLAZING BEAD



35 ALUMINUM FLANGE ANCHOR



G3 GLAZING DETAIL

						LFS
4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC			LFS
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DATE: 5/14/12						
SCALE: N.T.S.						
DWG. BY: JK						
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SHEET	6	OF	7			

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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" 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
50	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL

NOTE: WINDOW FRAME WOOD (SG ≥ 0.54)

[illegible]