

BRANNEN MILLWORK

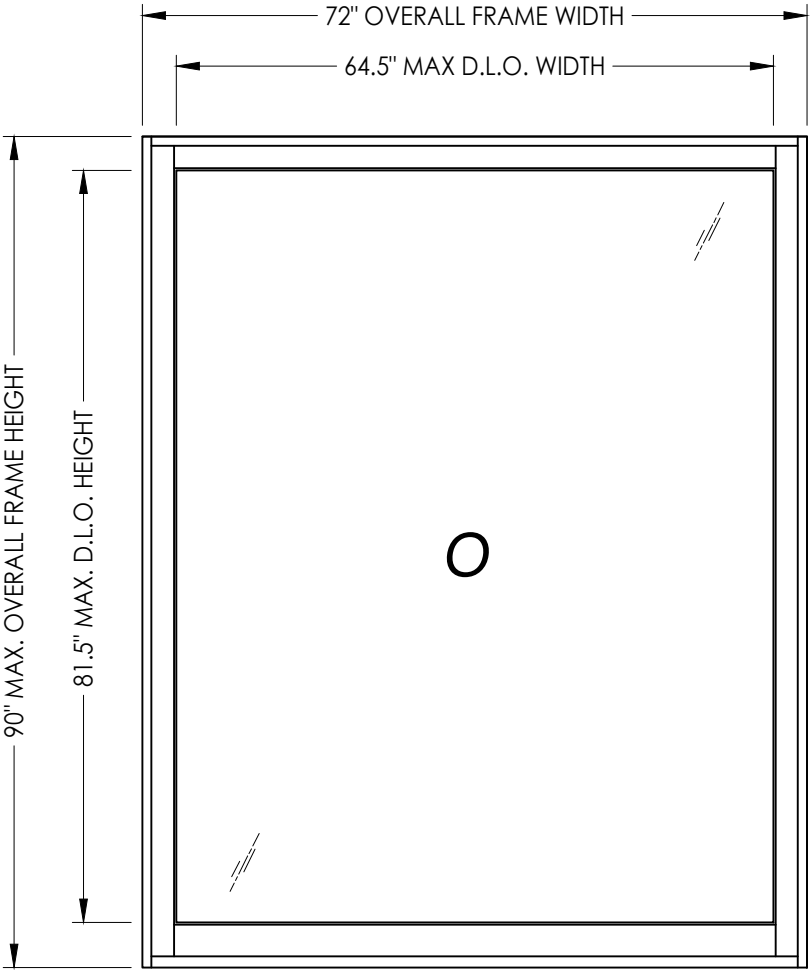
3379 EAST HWY. 46
REGISTER, GEORGIA 30452

FIXED WINDOWS "NON-IMPACT"

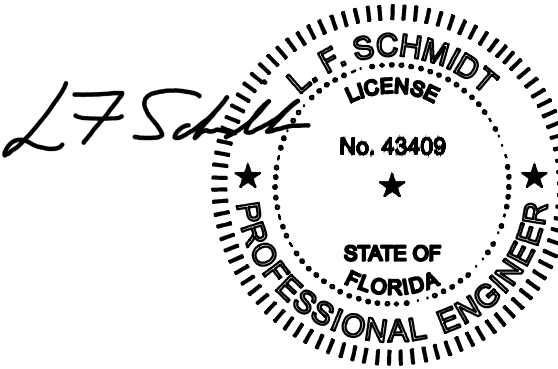
GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 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
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7	Bill of materials



OVERALL FRAME DIMENSION	MAX OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
72.0" x 90.0"	64.50" X 81.5"	+60.0	-65.0



Digitally signed by
Lyndon F Schmidt
Date: 2023.10.10
15:47:37 -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

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	7/07/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	08/04/15	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE		BY

REVISIONS

DATE: 5/14/12

SCALE: N.T.S.

DWG. BY: JK

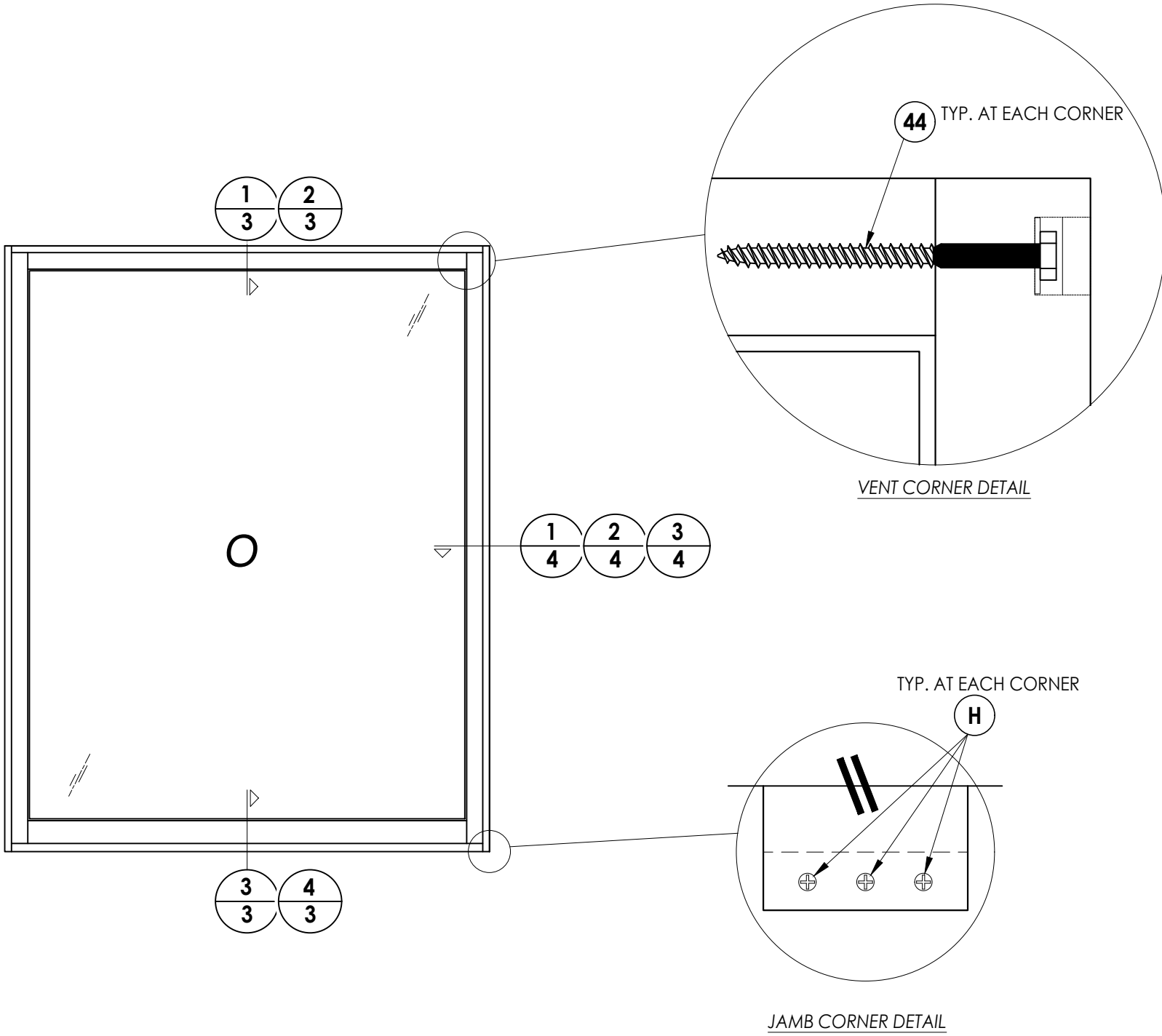
CHK. BY: LFS

DRAWING NO.: FL-15655.3

SHEET 1 OF 7

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

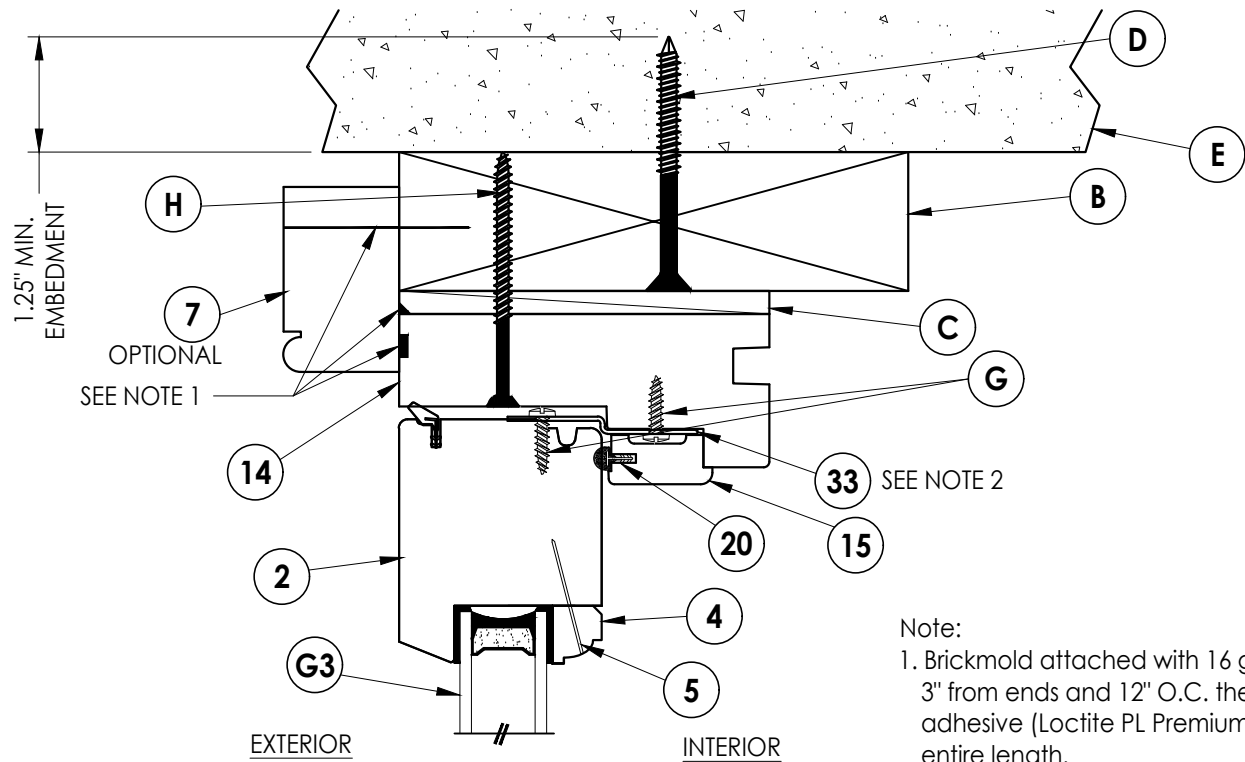
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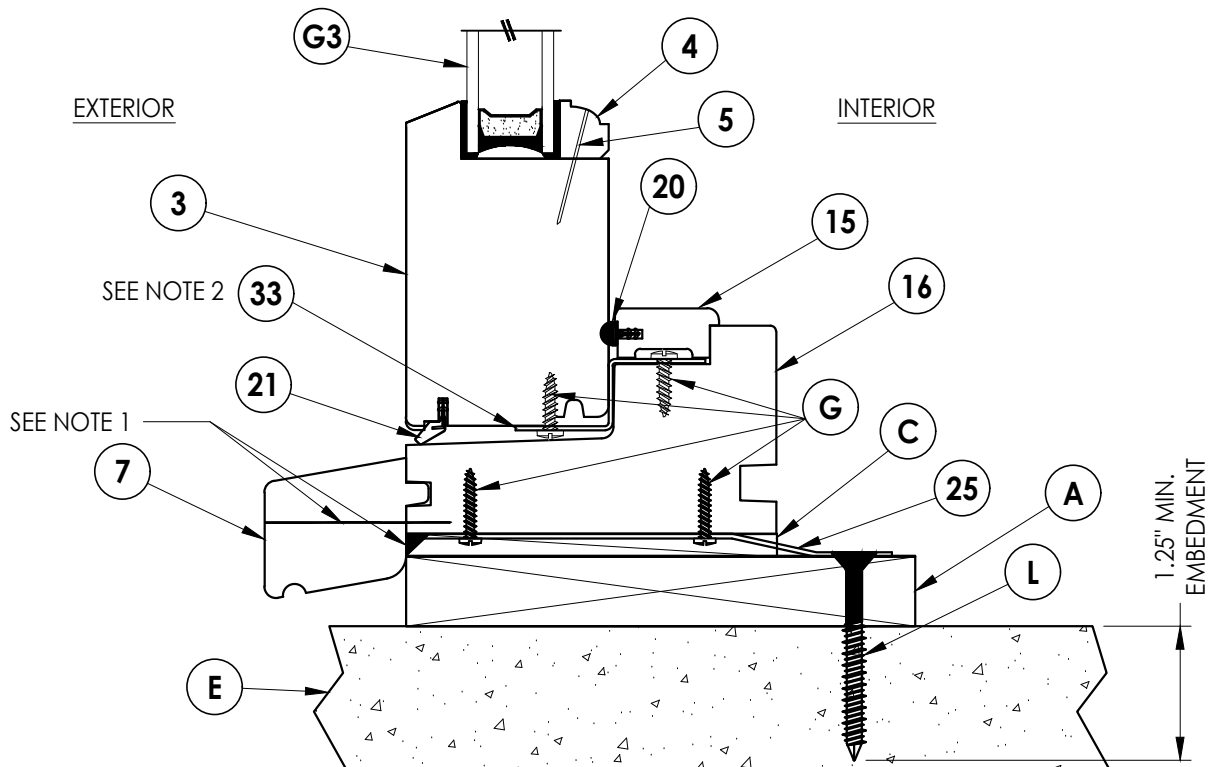
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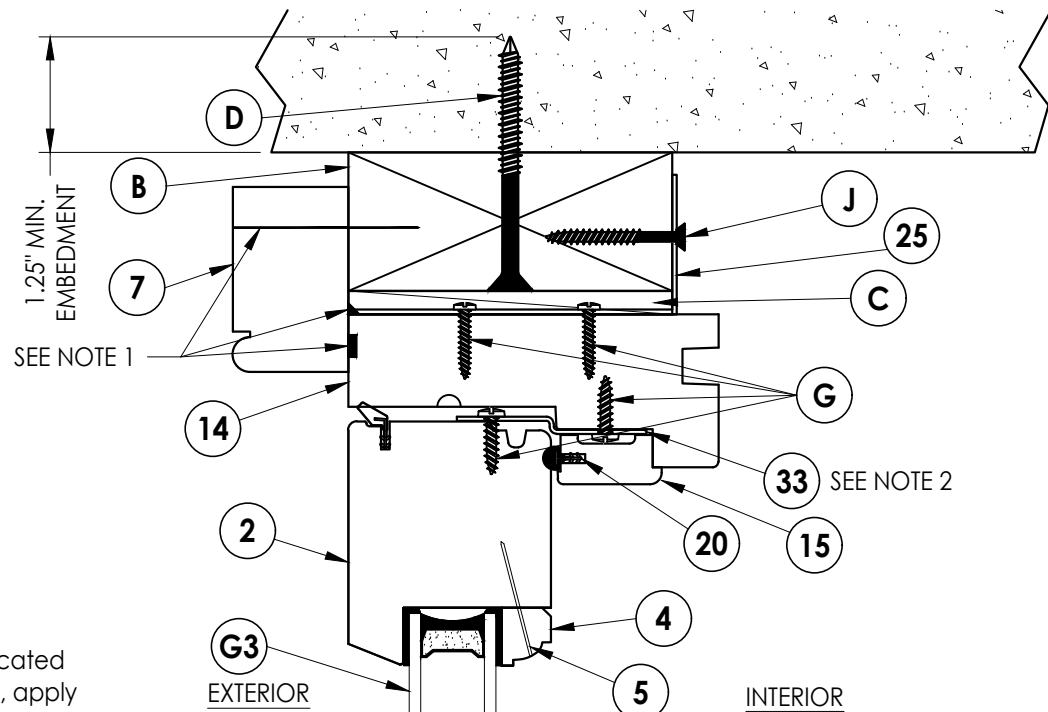


2 VERTICAL CROSS SECTION
3 Shown w/ 2x buck (w/ thru the frame anchor)

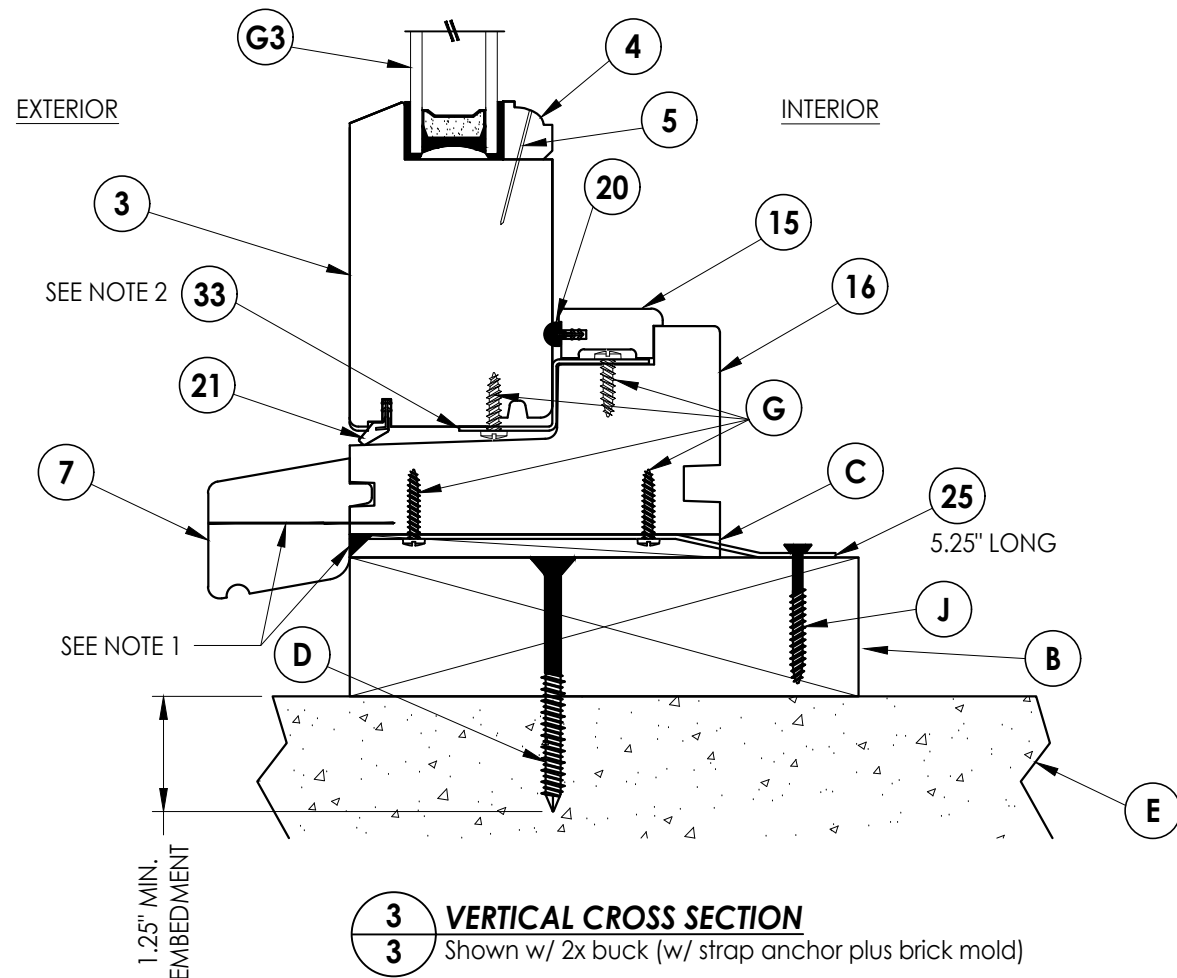


4 VERTICAL CROSS SECTION
3 Shown w/ 1x buck (w/ strap anchor plus brick mold)

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 33 located 6" from each end and 6 more equally spaced (8 total).



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



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

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PRODUCT: BRANNEN MILLWORKS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS			
		BY	JK	LFS	FBC
4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	7/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	08/04/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 5/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15655.3

SHEET 3 OF 7

Note:

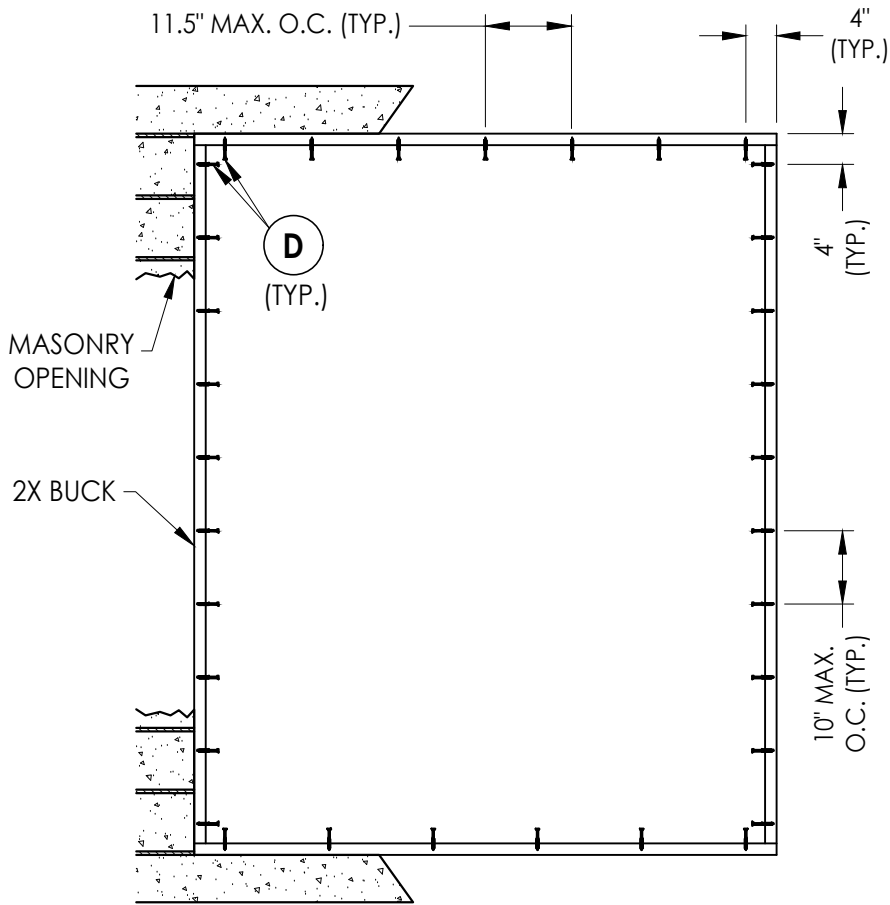
1. Item 33 located 6" from each end and 6 more equally spaced (8 total).
2. Item 37 located 2.5" from each end and 10" max. o.c. thereafter.

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P.E. No. 43409

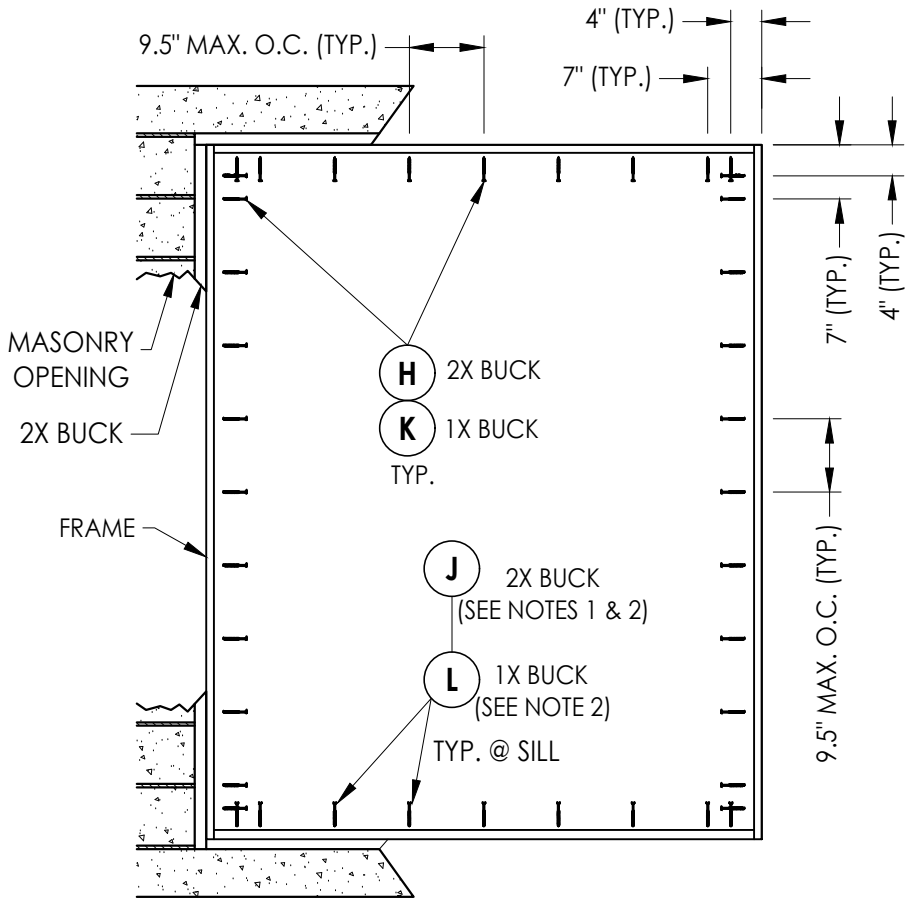
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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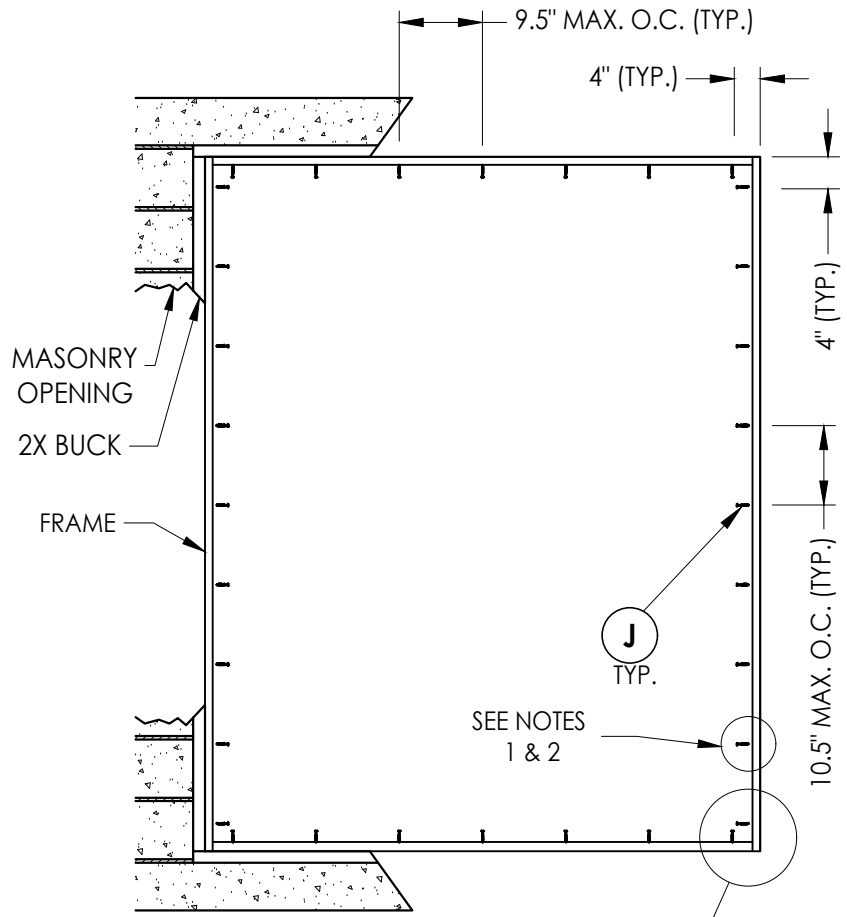
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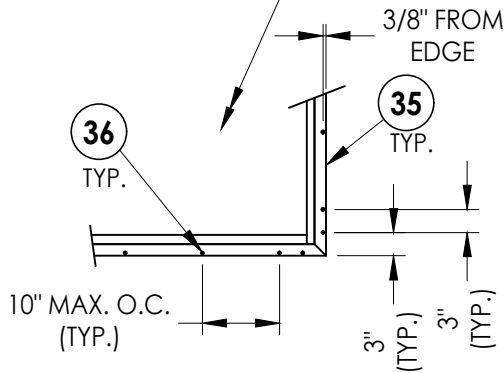
BUCK ANCHORING



FRAME ANCHORING
Masonry buck construction
(Thru the Frame Anchoring)



FRAME ANCHORING
Masonry buck construction
(Strap Anchor Option)



ALTERNATE FRAME ANCHORING
Masonry buck construction
(Aluminum Flange Anchor)

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"	3"	4"
DeWALT ULTRA CON®	1/4"	1-1/4"	2-1/2"	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.

NOTES:

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

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PRODUCT:
BRANNEN MILLWORKS

PART OR ASSEMBLY:
BUCK 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	7/07/17	UPDATE TO 6TH ED. (2017) FBC
1	08/04/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 5/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15655.3

SHEET 5 OF 7

1.12"

0.53"

Technical drawing of a rectangular object. The vertical dimension is labeled 2.63" and the horizontal dimension is labeled 2.19".

Technical drawing of a mechanical part. The drawing shows a profile with a vertical dimension of 0.72 inch, a horizontal dimension of 0.37 inch, and a horizontal dimension of 0.63 inch. The part has a rectangular base with a rounded top-right corner.

A technical drawing of a stepped block. The top horizontal edge is dimensioned as 2.19 inches. The total height of the block is dimensioned as 3.5 inches. The block has a stepped top surface and a base with small rectangular cutouts.

0.05"

2.05"

1.05"

Technical drawing of a stepped profile. The drawing shows a cross-section with the following dimensions:

- Overall width: 4"
- Overall height: 2.25"
- Top horizontal segment width: 0.71"
- Horizontal segment below top: 2.24"
- Vertical segment on the left: 0.96"

A technical drawing of a stepped block. The block has a rectangular base with a width of 2.62 inches and a height of 2.19 inches. The top surface is stepped, with a smaller rectangular section on the left and a larger, slightly tapered section on the right. The drawing is a black and white line drawing with dimension lines and arrows indicating the measurements.

DATE: 5/14/12		REVISIONS	PRODUCT: BRANNEN MILLWORKS		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 <i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
SCALE: N.T.S.			PART OR ASSEMBLY: COMPONENTS AND GLAZING DETAIL		
DWG. BY: JK	CHK. BY: LFS		DRAWING NO.: FL-15655.3		
SHEET 6 OF 7			DATE: 5/14/12		
NO.	DATE		UPDATE TO		
BY	REVISED		REVISIONS		

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	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 2-3/4" FH DEEP THREAD WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
J	#8 X 1-1/2" FH DEEP THREAD WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
L	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
2	TOP RAIL	WOOD
3	BOTTOM RAIL	WOOD
4	GLAZING BEAD	WOOD
5	0.025" x 1-3/16" BRAD NAIL	STEEL
7	BRICK MOLDING	WOOD
8	STILE	WOOD
14	FRAME HEAD AND JAMB (FIXED)	WOOD
15	FRAME CAP	WOOD
16	FRAME SILL (FIXED)	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
33	WINDOW ANCHOR STRAP	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
44	3/8" X 5" HH LAG BOLT	STEEL

NOTE: WINDOW FRAME WOOD (SG ≥ 0.54)

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CHK. BY: LFS				
DRAWING NO.: FL-15655.3				
SHEET 7 OF 7				
4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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1	08/04/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY
PRODUCT:				
BRANNEN MILLWORKS				
PART OR ASSEMBLY:				
BILL OF MATERIALS				
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