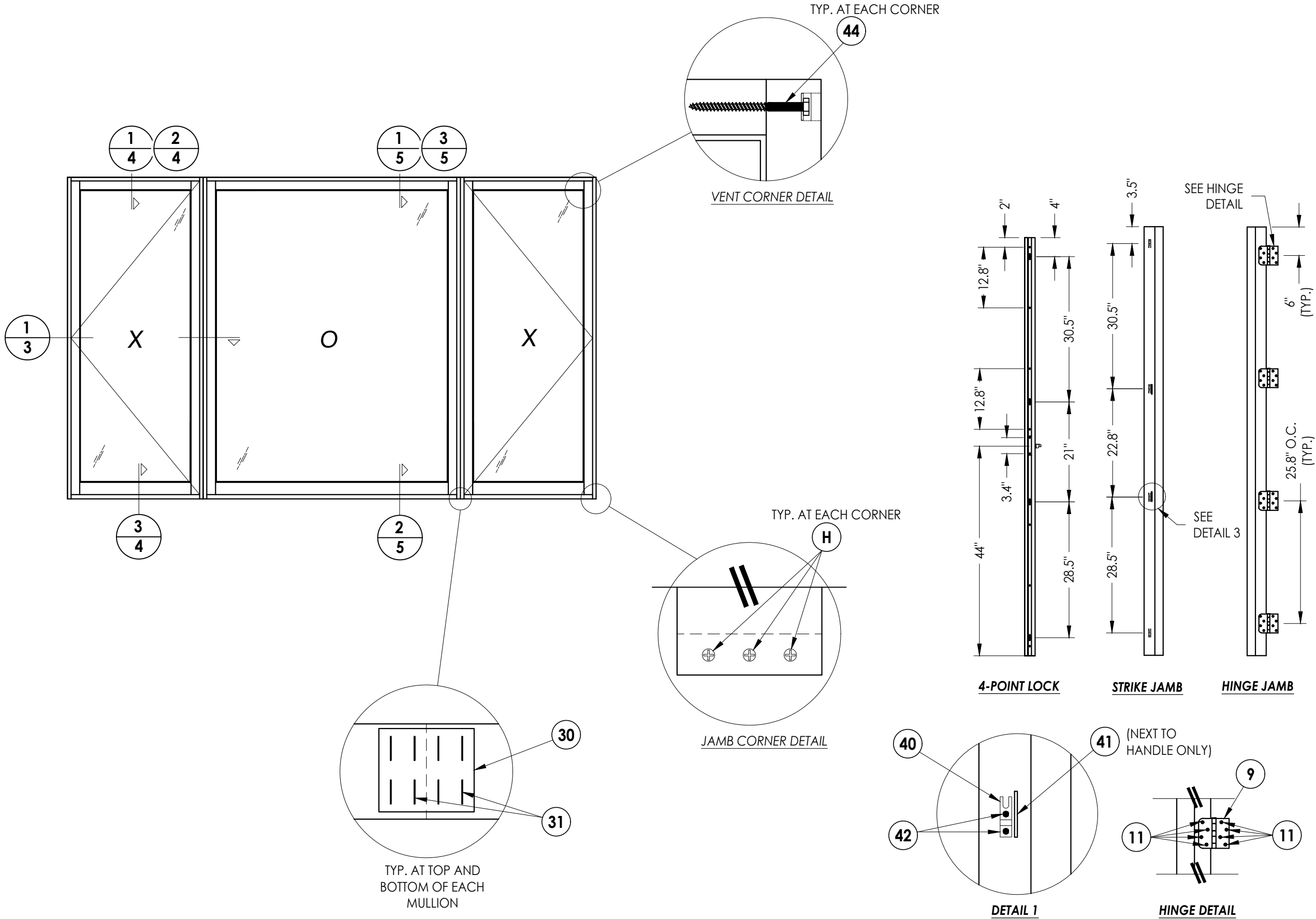




Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: BRANNEN MILLWORKS		PART OR ASSEMBLY: FRAME AND HARDWARE DETAILS	
4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC LFS
3	9/16/20	UPDATE 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		REVISIONS	
DATE: 5/14/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15655.2			
SHEET 2 OF 9			

Diagram illustrating the exploded view of a double door assembly, showing the interior and exterior views. The diagram includes various components labeled with numbers and letters, and includes references to notes 2 and 3.

Interior View (Left):

- 1: Top panel
- 14: Top panel
- 15: Top panel
- 20: Top panel
- 39: Top panel
- 5: Top panel
- 4: Top panel
- G: Top panel
- 8: Top panel
- 5: Top panel
- 4: Top panel
- G1: Top panel
- G2: Top panel
- 28: Top panel
- 43: Top panel
- 40: Top panel
- 41: Top panel
- 21: Top panel
- J: Top panel
- 33: Top panel
- 21: Top panel

Exterior View (Right):

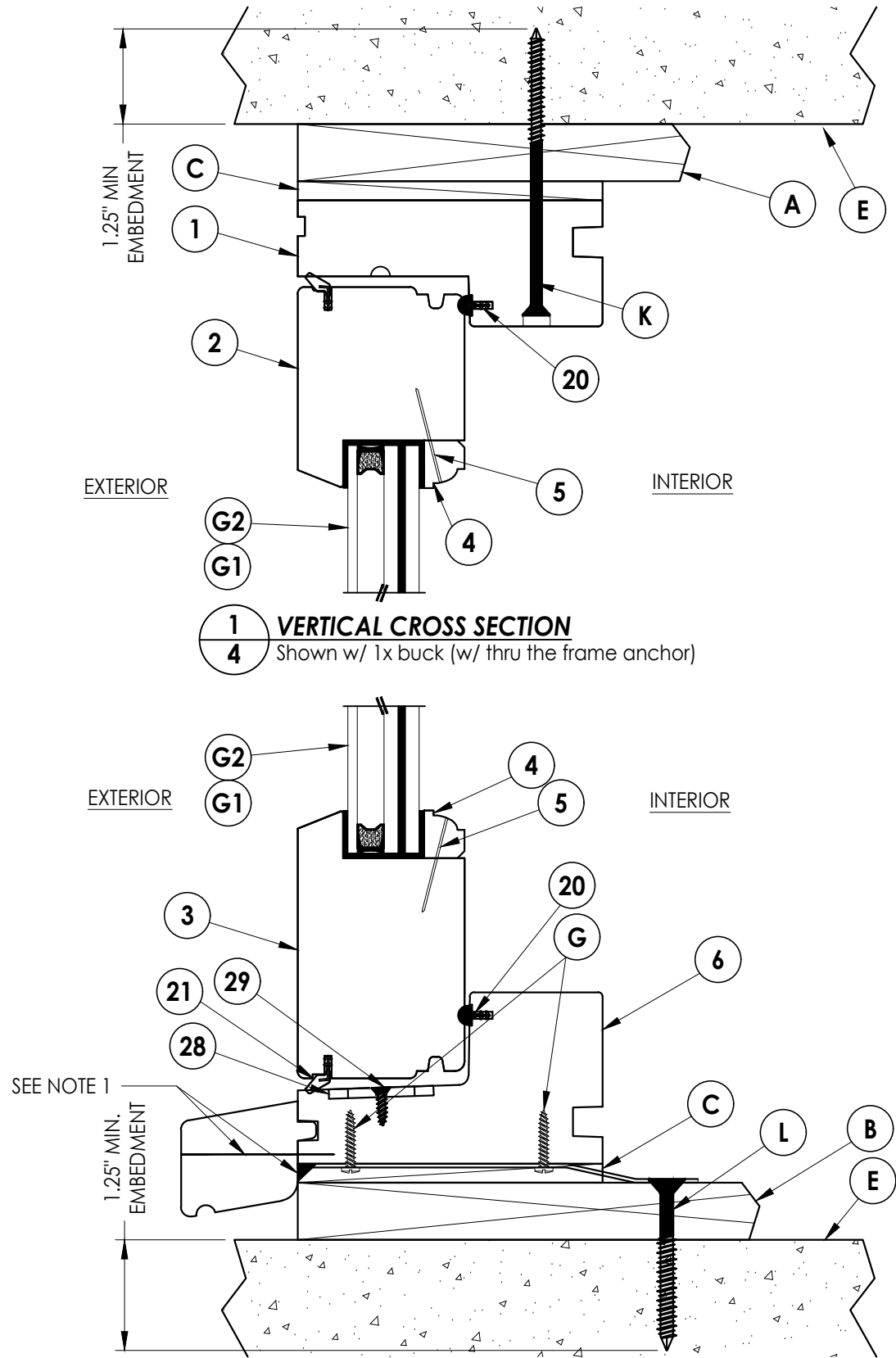
- 1: Top panel
- 14: Top panel
- 15: Top panel
- 20: Top panel
- 39: Top panel
- 5: Top panel
- 4: Top panel
- G: Top panel
- 8: Top panel
- 5: Top panel
- 4: Top panel
- G1: Top panel
- G2: Top panel
- 28: Top panel
- 43: Top panel
- 40: Top panel
- 41: Top panel
- 21: Top panel
- J: Top panel
- 33: Top panel
- 21: Top panel

Notes:

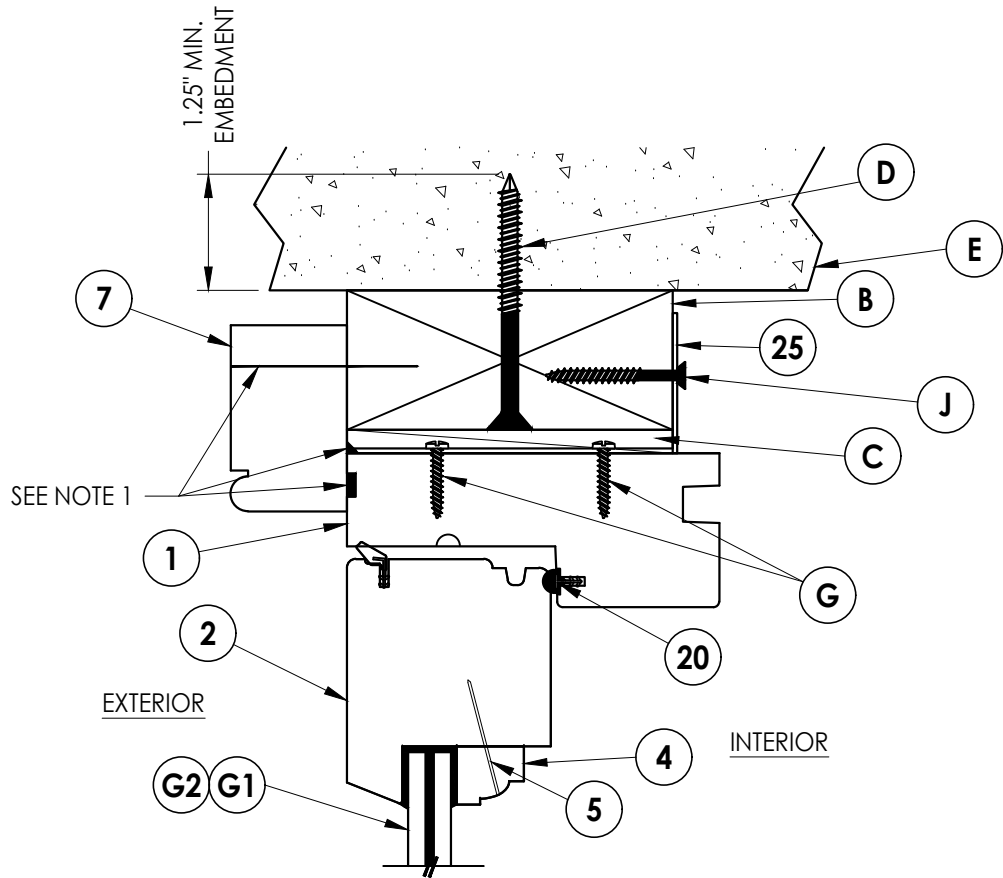
- SEE NOTE 2
- SEE NOTE 3

[illegible]

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



2
4 VERTICAL CROSS SECTION
Shown w/ 2x 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.

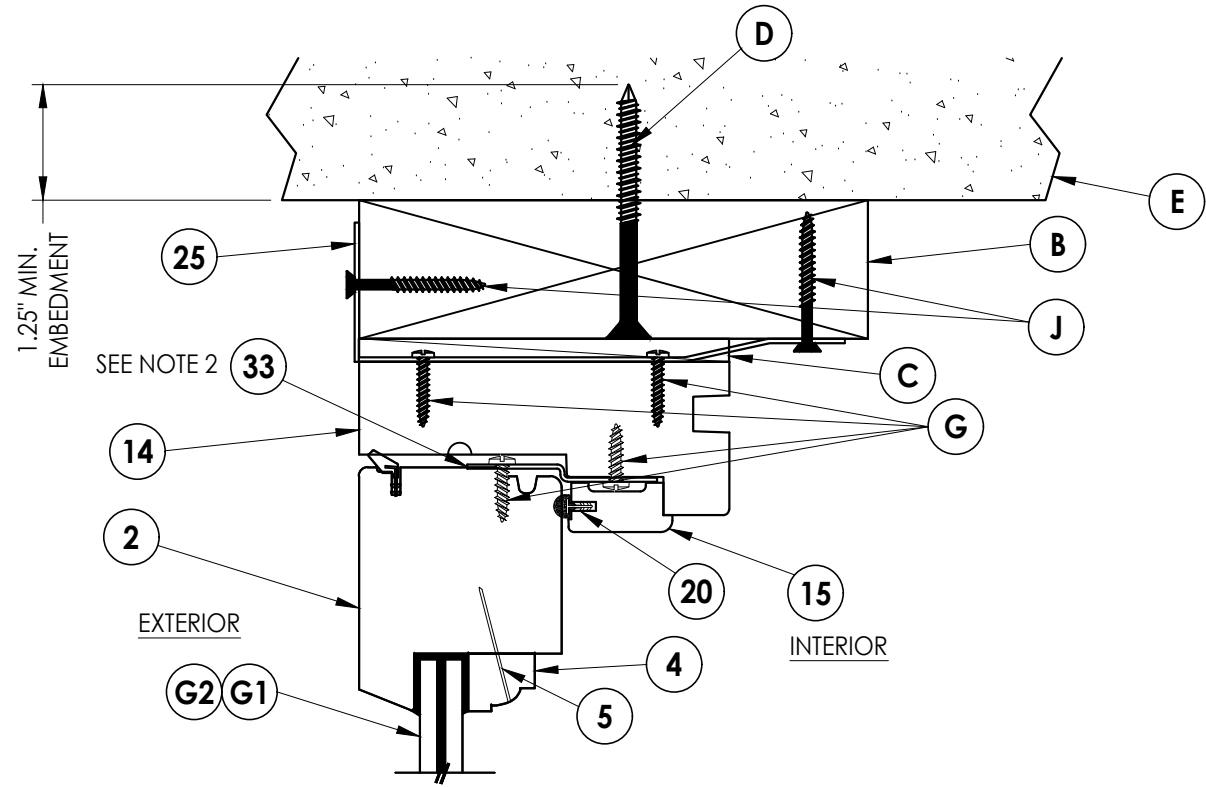
PRODUCT:		PART OR ASSEMBLY:	
BRANNEN MILLWORKS		VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
4	8/30/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	7/07/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	08/04/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 5/14/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15655.2
SHEET 4 OF 9

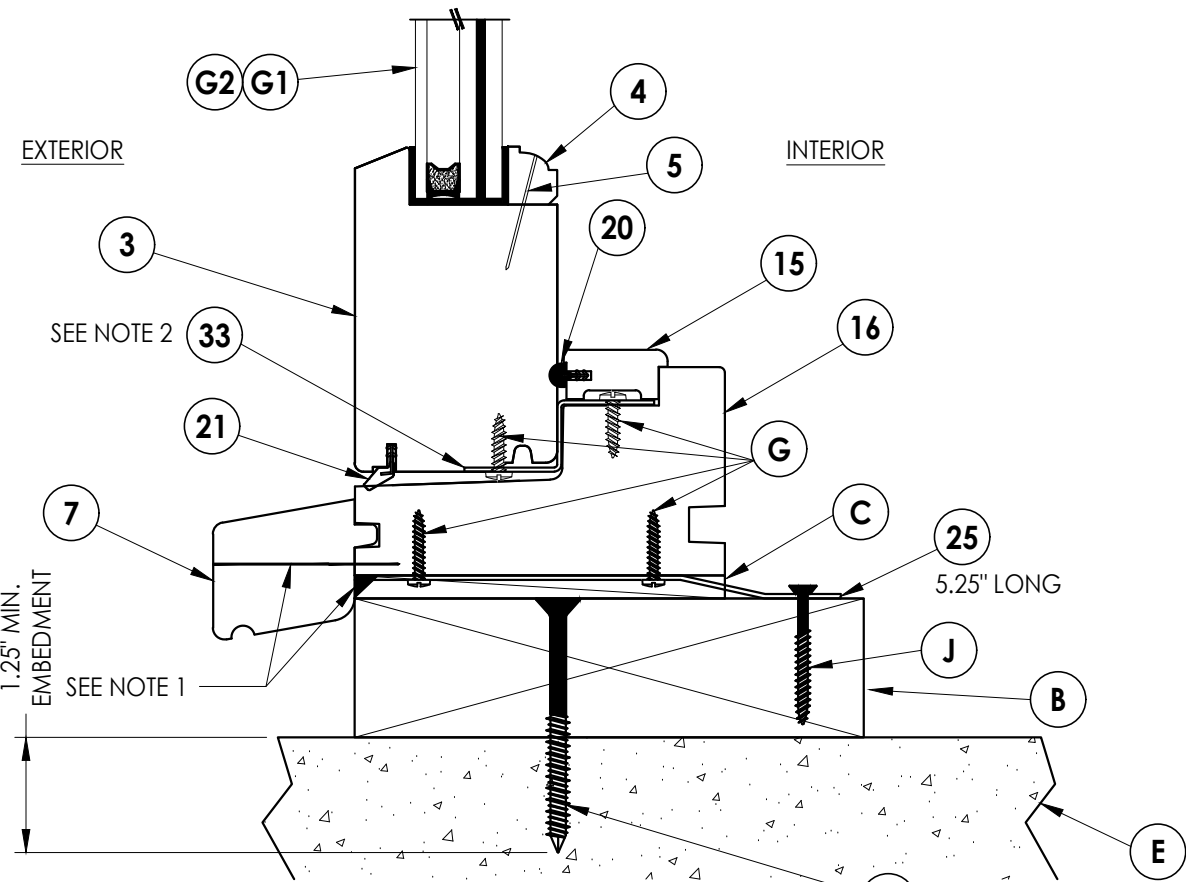
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

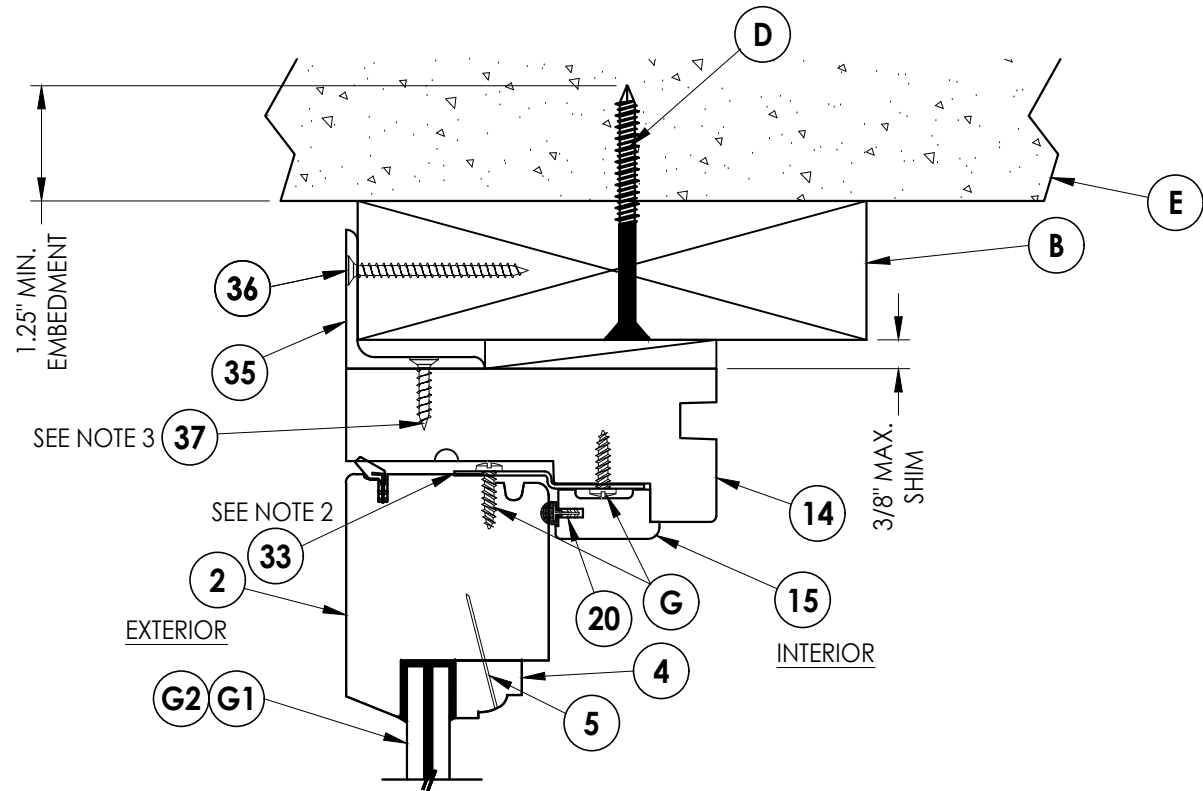
Z:\2023 FBC Drawings\Brannen Millwork\FL-15655 R4 Fixed\FL-15655.1-3.dwg



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



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



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

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).
3. Item 37 located 2.5" from each end and 10" max. o.c. thereafter.

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BRANNEN MILLWORKS

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		BY	JK	LFS	LFS
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

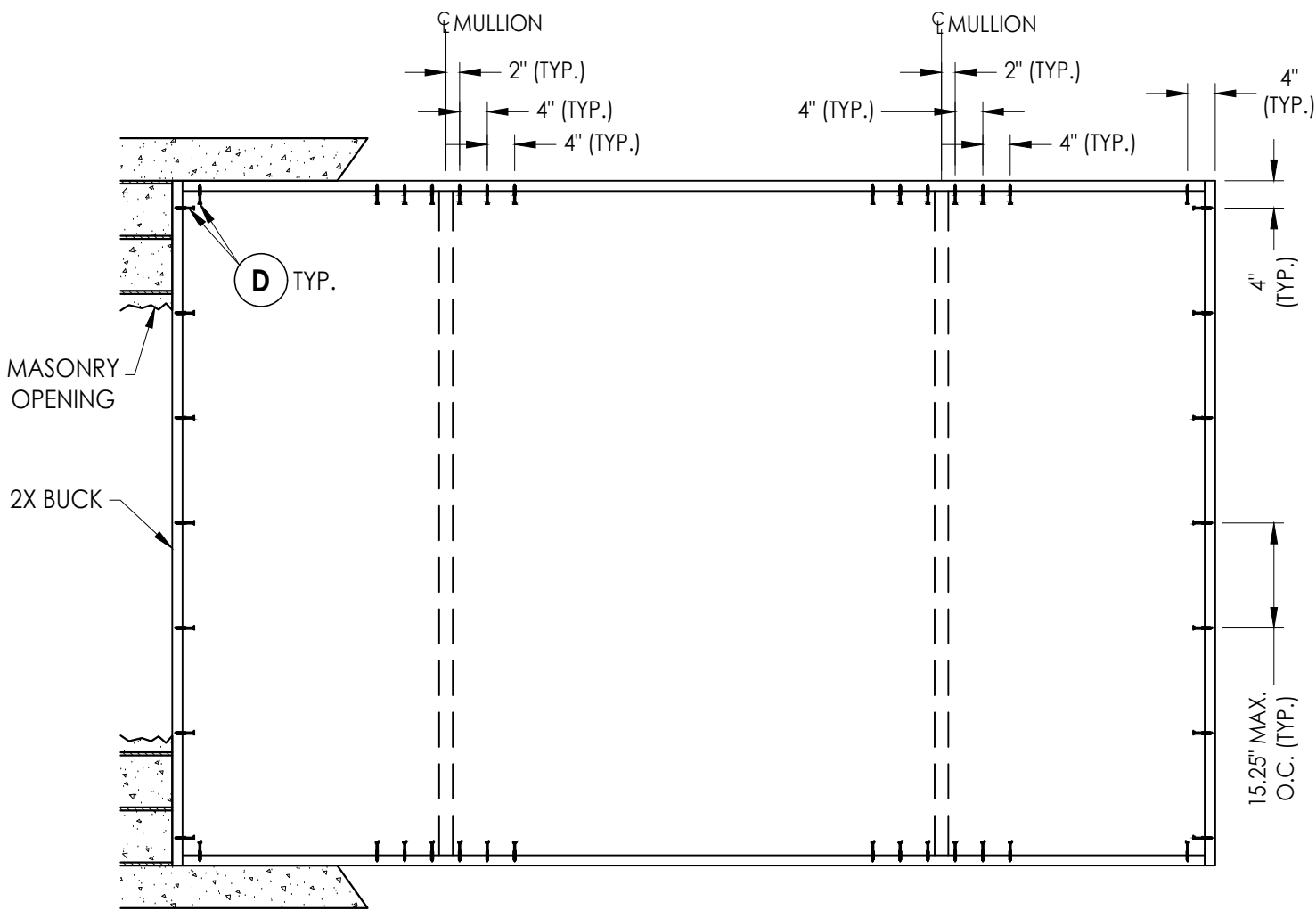
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15655.2

SHEET 5 OF 9



BUCK ANCHORING

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.

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-15655.2

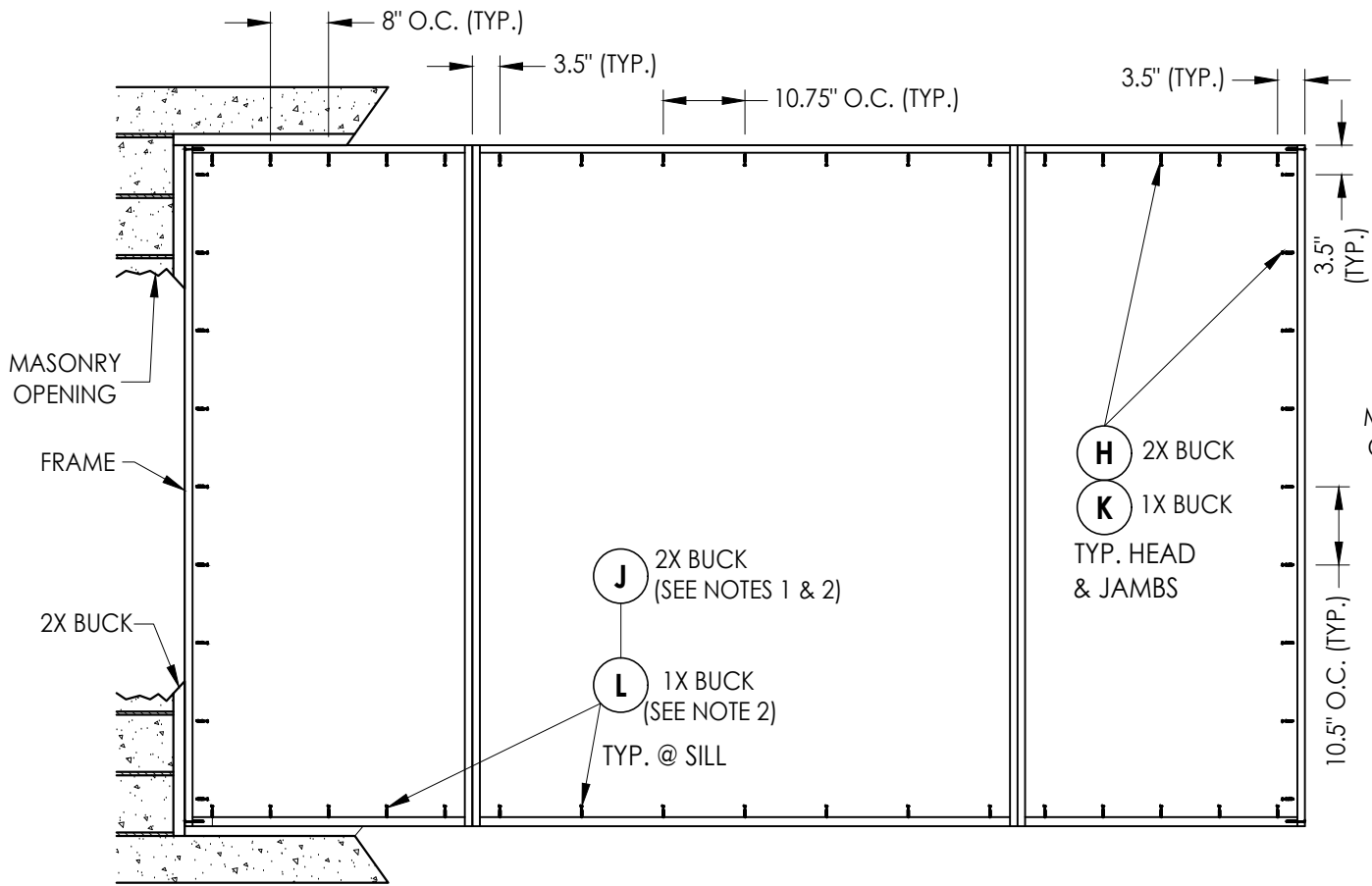
SHEET 6 OF 9

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

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

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FRAME ANCHORING
Masonry buck construction
(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.

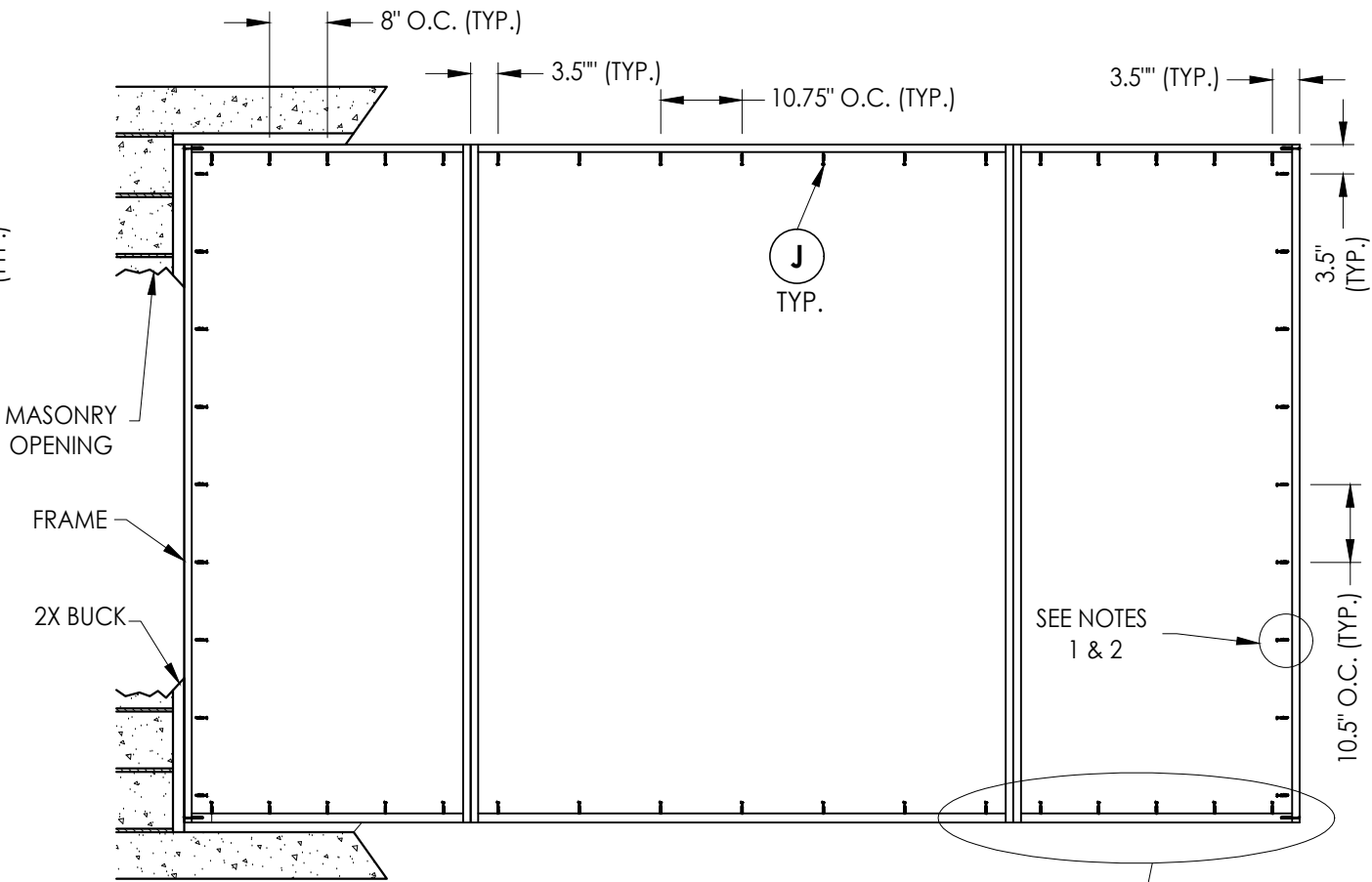
CONCRETE ANCHOR NOTES:

- 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:

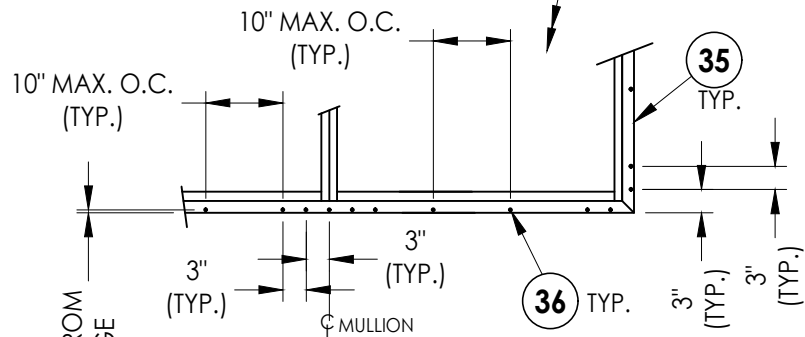
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.



FRAME ANCHORING
Masonry buck construction
(Strap Anchor Options)

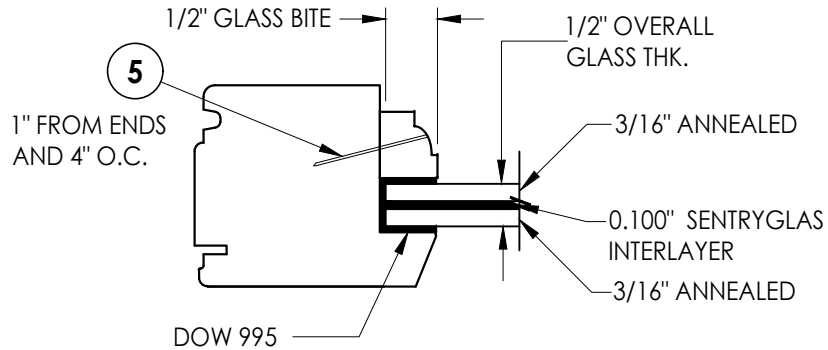


ALTERNATE FRAME ANCHORING
Masonry buck construction
(Aluminum Flange Anchor)

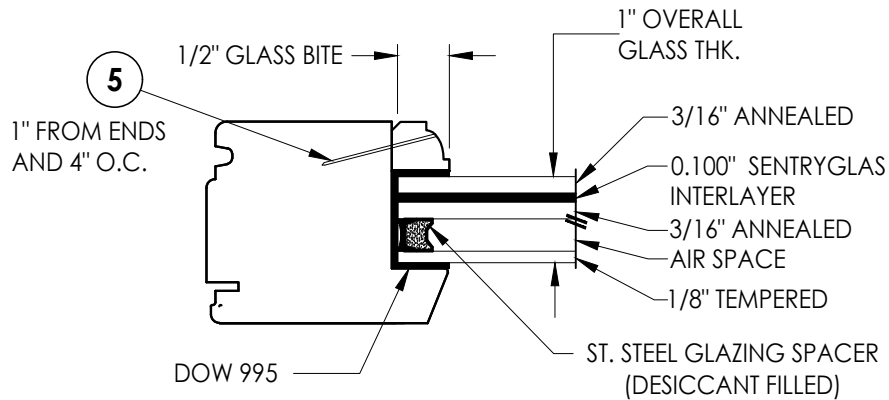
NOT FOR USE IN THE HVHZ & EXCLUDES WIND ZONE 4

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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: FRAME ANCHORING	
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
NO.	DATE		BY
REVISIONS			
DATE: 5/14/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15655.2			
SHEET 7 OF 9			

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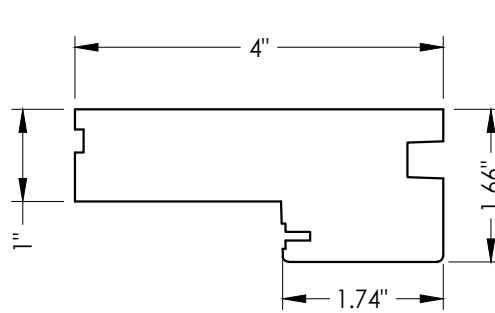


G1 GLAZING DETAIL

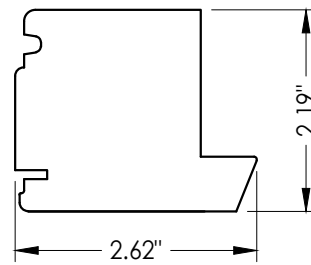


G2 GLAZING DETAIL

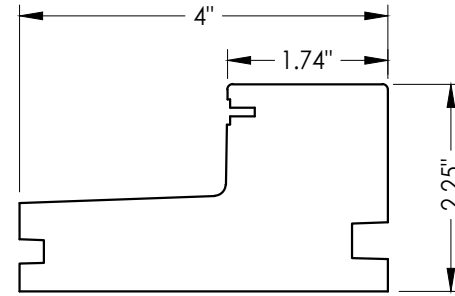
NOTE: GLAZING > 36" WIDE REQUIRES TWO (2) SETTING BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1



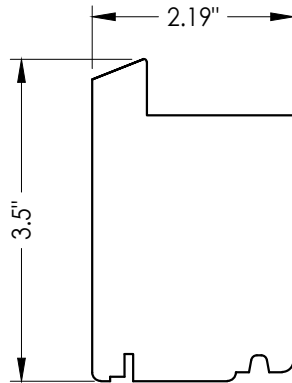
1 FRAME



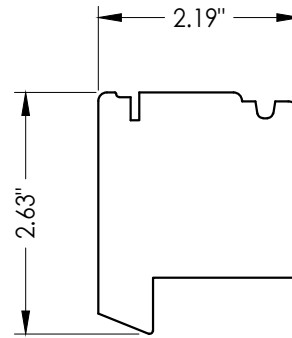
8 STILE



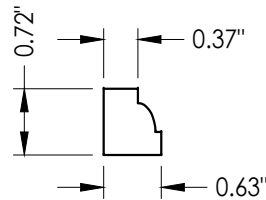
6 SILL



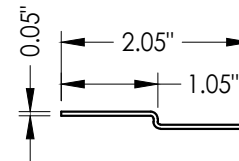
3 BOTTOM RAIL



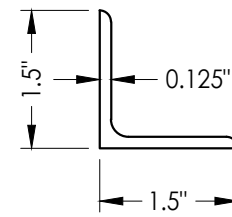
2 TOP RAIL



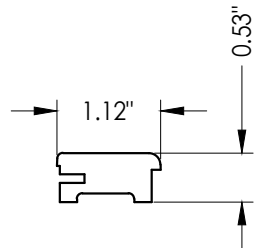
4 GLAZING BEAD



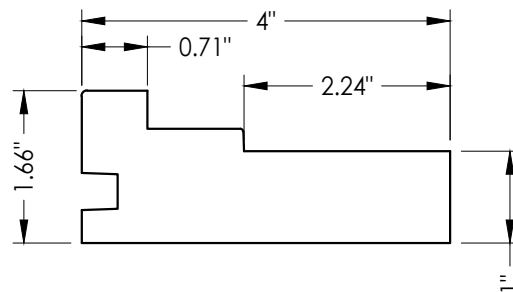
33 WINDOW ANCHOR STRAP



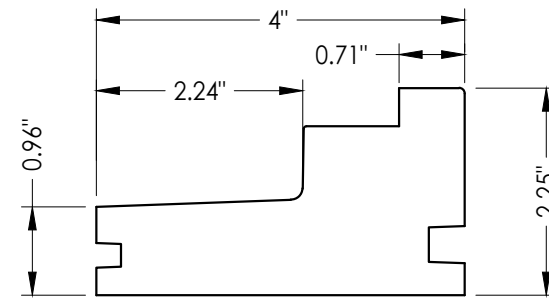
35 ALUMINUM FLANGE ANCHOR



15 FRAME CAP
Fixed



14 FRAME
Fixed



16 SILL
Fixed

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

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

PRODUCT:
BRANNEN MILLWORKS

PART OR ASSEMBLY:
COMPONENTS AND
GLAZING DETAILS

NO.	DATE	REVISIONS			
		BY	JK	LFS	LFS
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-15655.2

SHEET 8 OF 9

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 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
L	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	FRAME HEAD AND JAMB (CASEMENT)	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 (CASEMENT)	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	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
28	STRIKE PLATE	STEEL
29	#6 X 1/2" PFH WOOD SCREW	STEEL
30	REINFORCEMENT STEEL PLATE (0.02" X 3" X 4")	STEEL
31	STAPLE (16 GA. X 1" CROWN X 5/8" LEGS)	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
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: 5/14/12					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15655.2					
SHEET	9	OF	9		
REVISONS					
NO.	DATE				
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	
				BY	
PRODUCT:					
BRANNEN MILLWORKS					
PART OR ASSEMBLY:					
BILL OF MATERIALS					
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					