

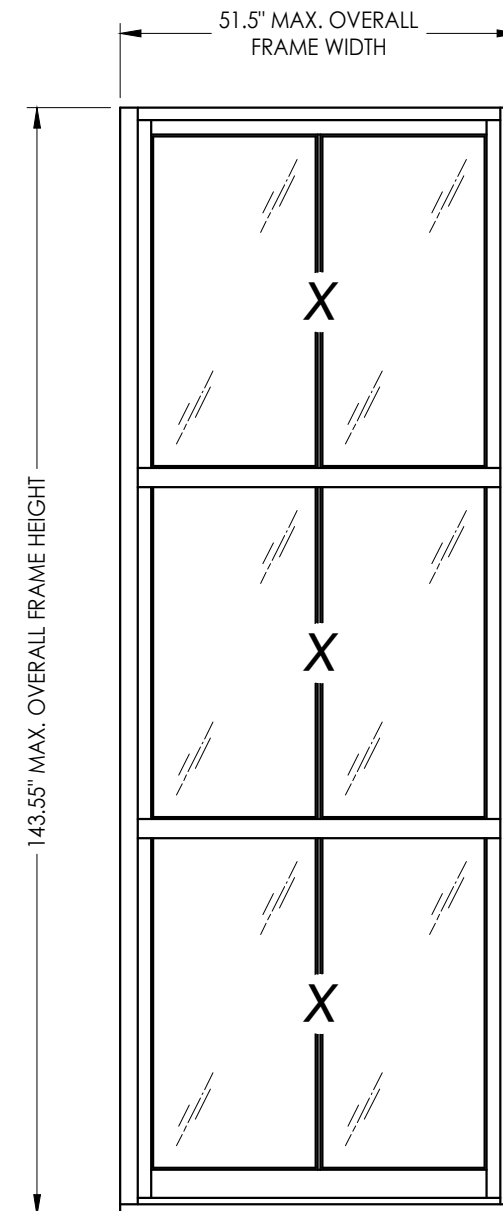
3379 EAST HWY. 46
REGISTER, GEORGIA 30452

SERIES 580
TRIPLE HUNG WINDOW
"IMPACT"

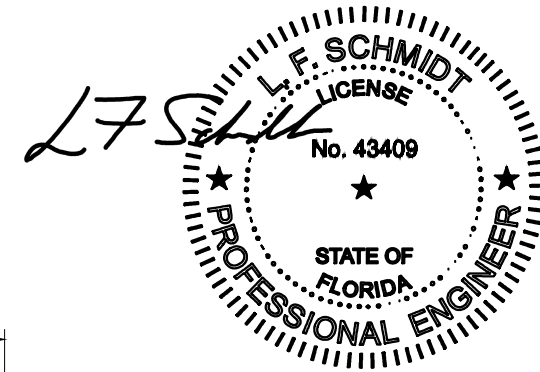
GENERAL NOTES

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 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. 2X stud framing to be designed by the Engineer or Architect of Record based upon the applicable wind load design criteria.
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 sections
3	Vertical cross sections
4	Horizontal cross sections
5	Vertical cross sections
6	Buck & frame anchoring
7	Panel details
8	Components
9	Bill of materials, glazing detail & components



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
51.5" x 143.55"	42.95" x 42.74"	G1	+70.0	-70.0
51.5" x 142.26"	42.95" x 42.31"	G2	+60.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.10.11 09:45:35 -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

5	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
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2	08/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1	1/26/12	UPDATE TO 2010	FBC	KV
NO.	DATE	REVISIONS		

DATE: 5/14/09

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

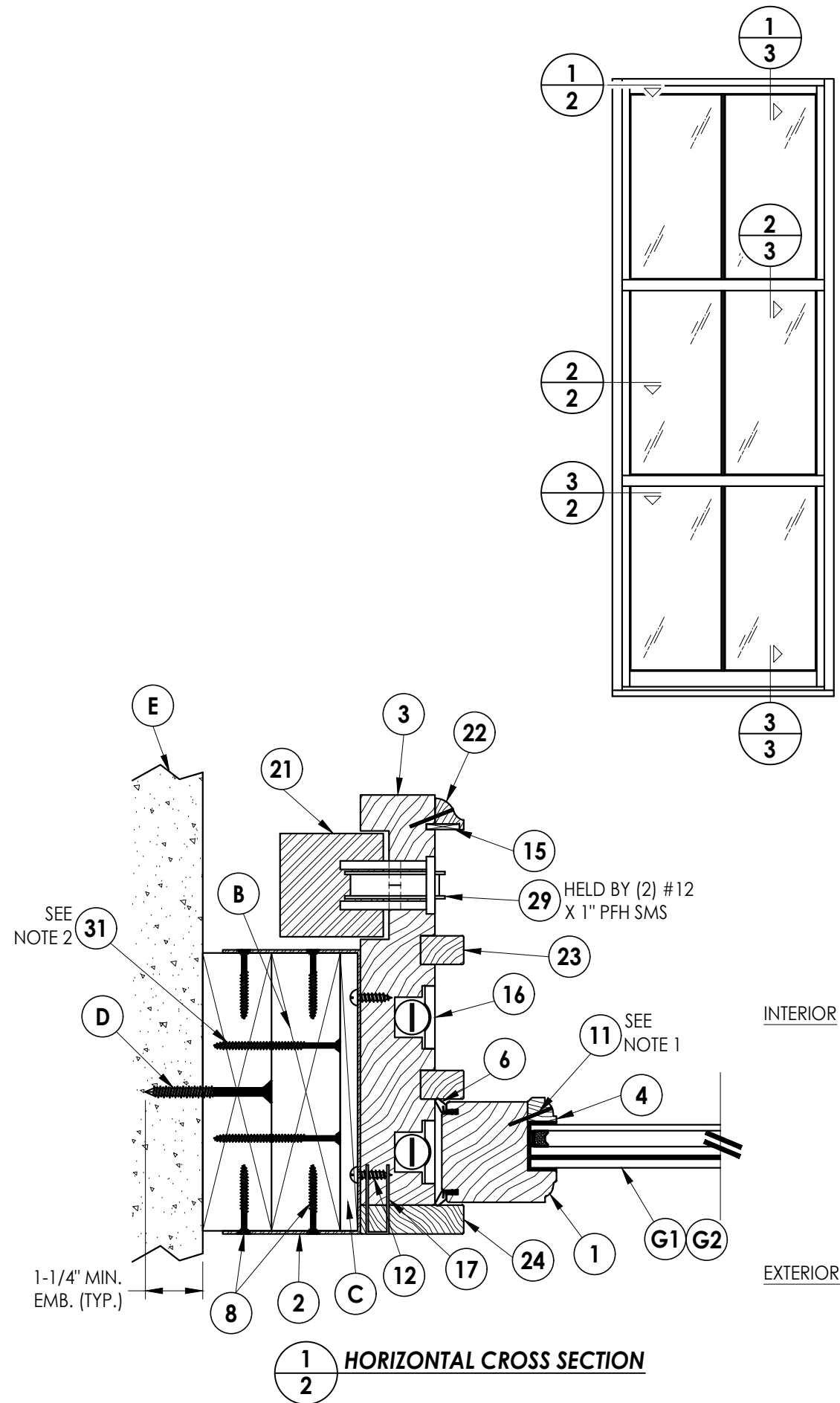
DRAWING NO.: FL-11474.8

SHEET 1 OF 9

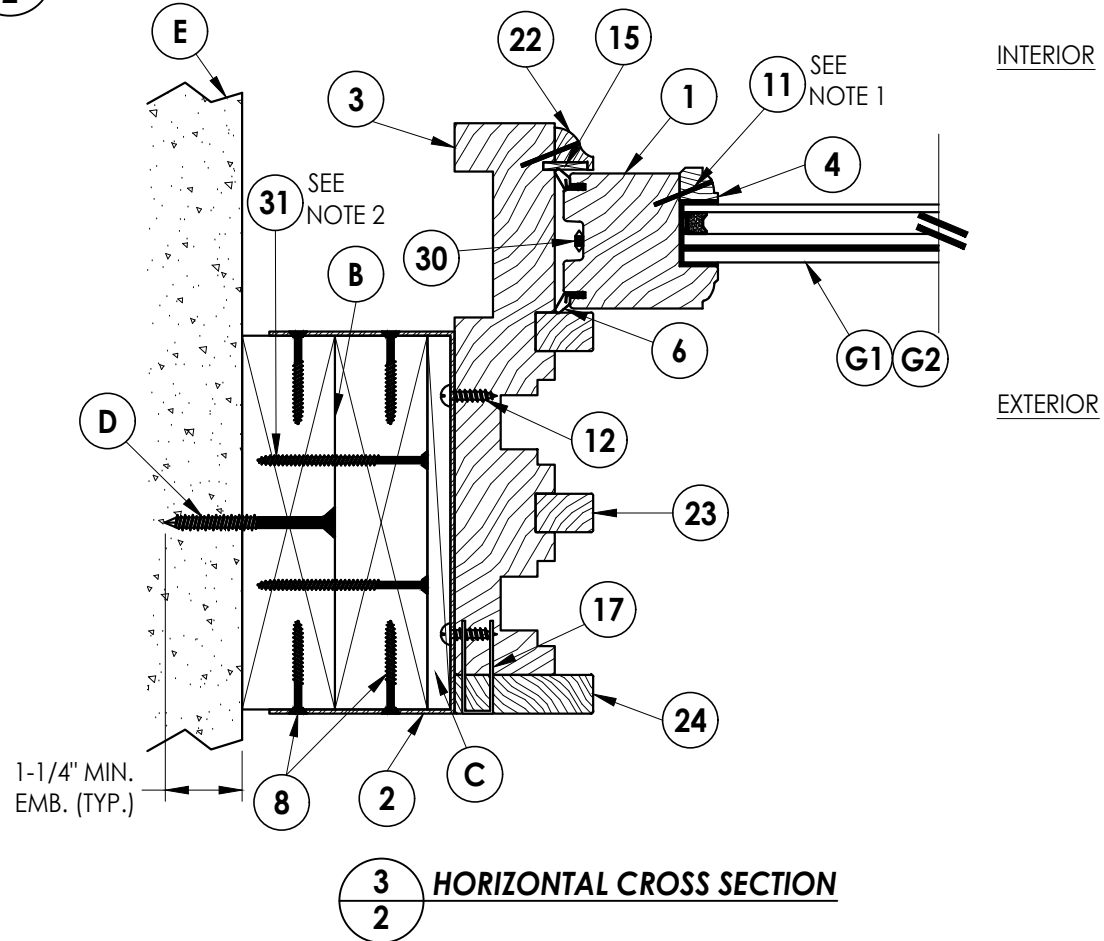
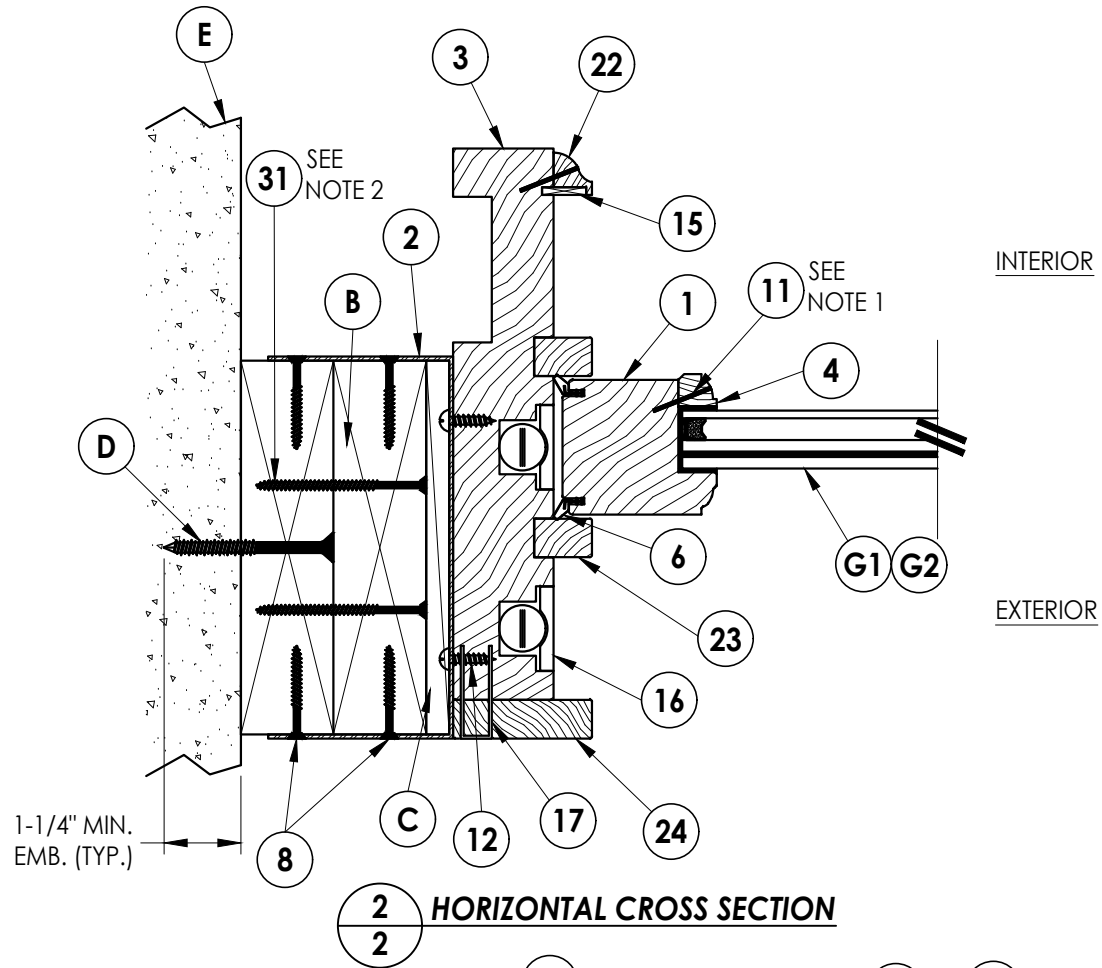
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Lyndon F. Schmidt
P.E. No. 43409

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

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- NOTES:
1. 1" from edge & 4" o.c. thereafter.
 2. 12" o.c. and staggered



PRODUCT:		BRANNEN MILLWORK TRIPLE HUNG WINDOW		
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS		
5	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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1	1/26/12	UPDATE TO 2010 FBC		KV
NO.	DATE			BY
REVISIONS				
DATE: 5/14/09				
SCALE: N.T.S.				
DWG. BY: AL				
CHK. BY: LFS				
DRAWING NO.: FL-11474.8				
SHEET 2 OF 9				

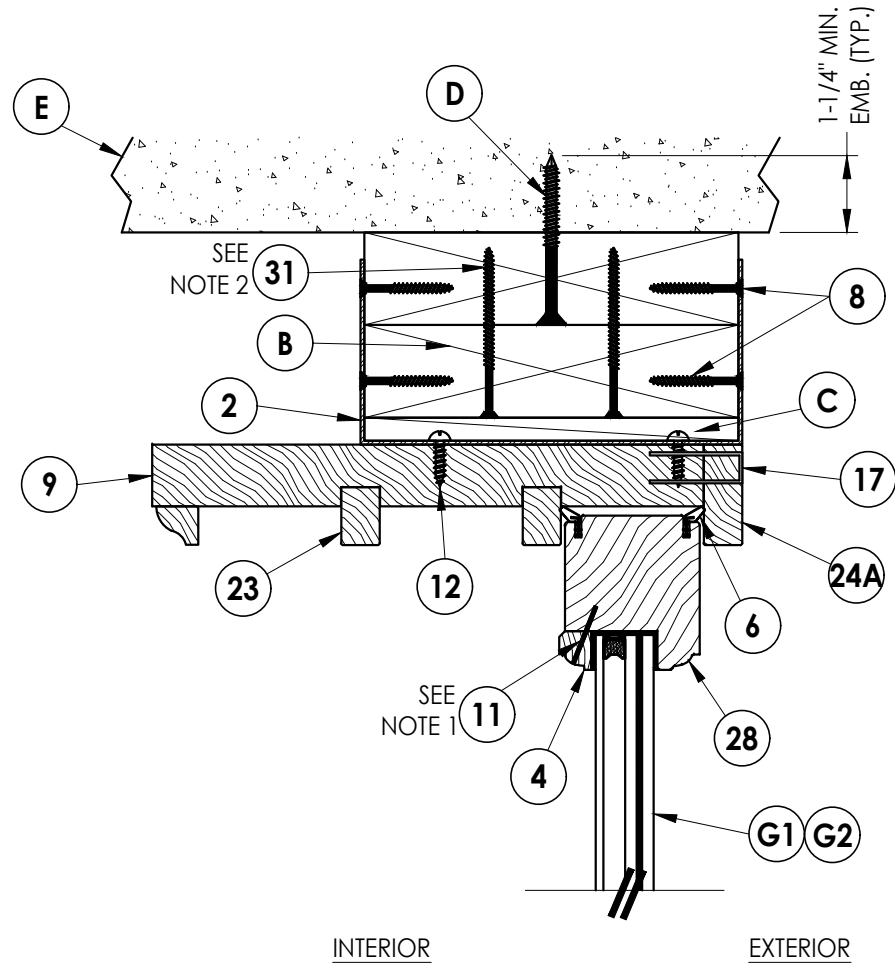
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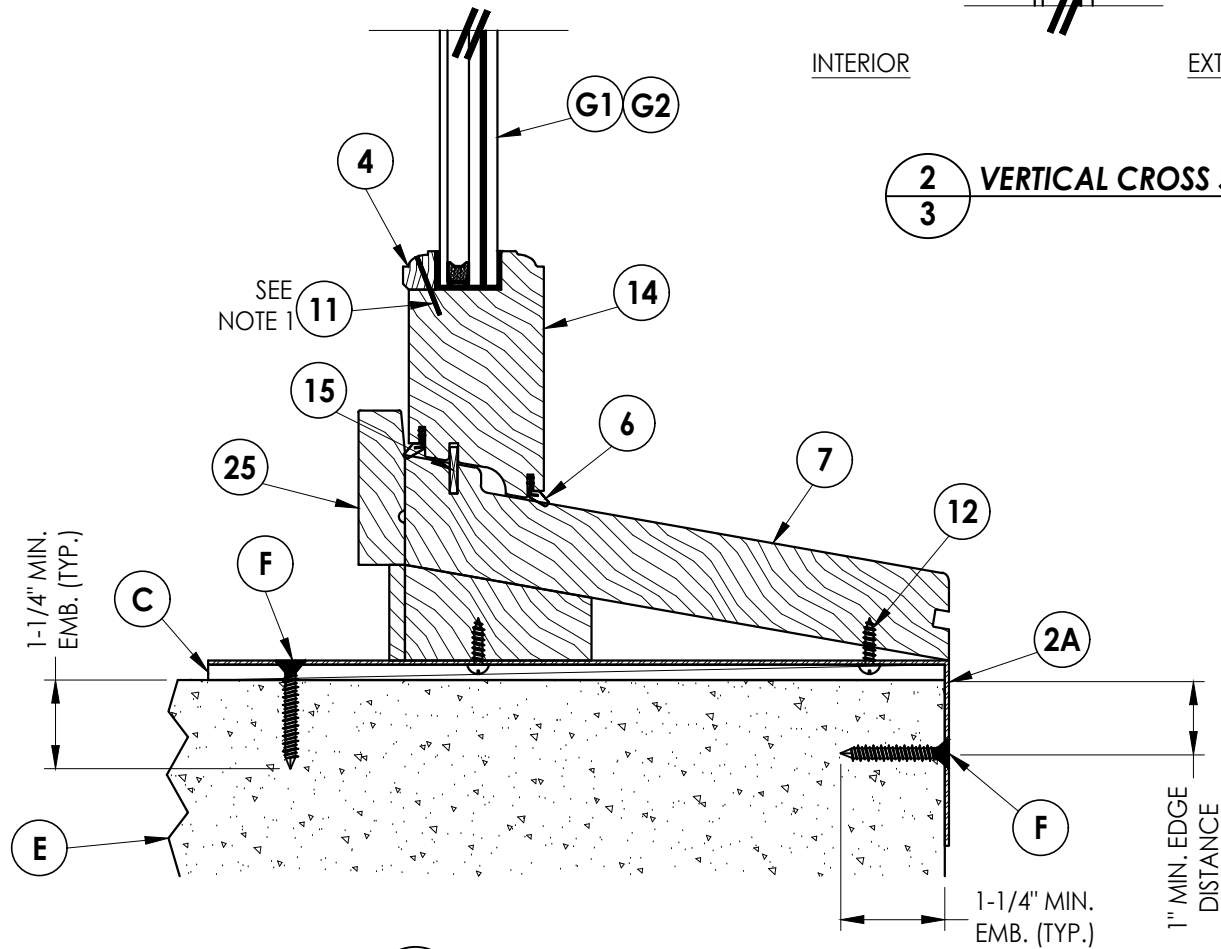
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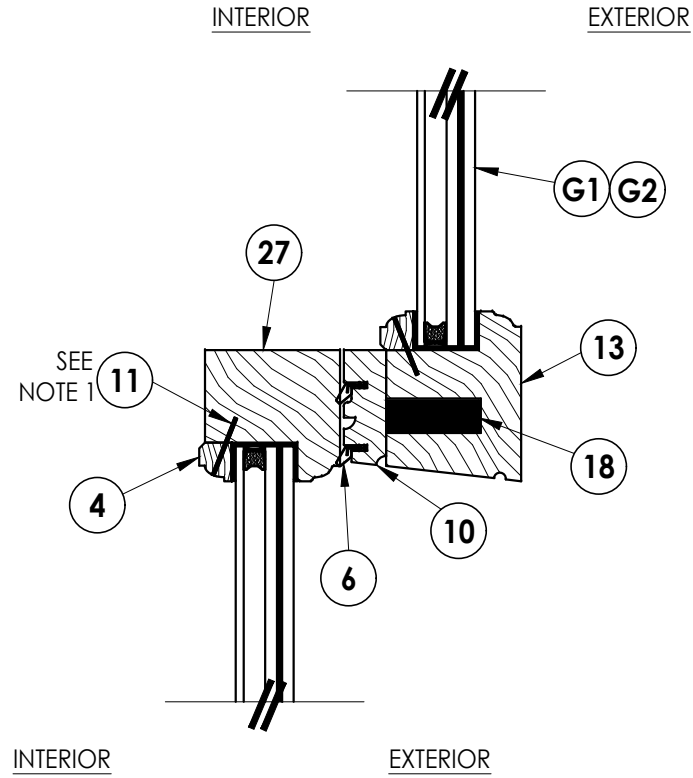
1
3
VERTICAL CROSS SECTION

- NOTES:
- 1" from edge & 4" o.c. thereafter.
 - 12" o.c. and staggered

INTERIOR EXTERIOR



3
3
VERTICAL CROSS SECTION



2
3
VERTICAL CROSS SECTION

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BRANNEN MILLWORK
TRIPLE HUNG WINDOW

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PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS				
		BY	KV	JK	LFS	LFS
5	9/13/23	UPDATE TO 8TH ED. (2023)	FBC			
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DWG. BY: AL

CHK. BY: LFS

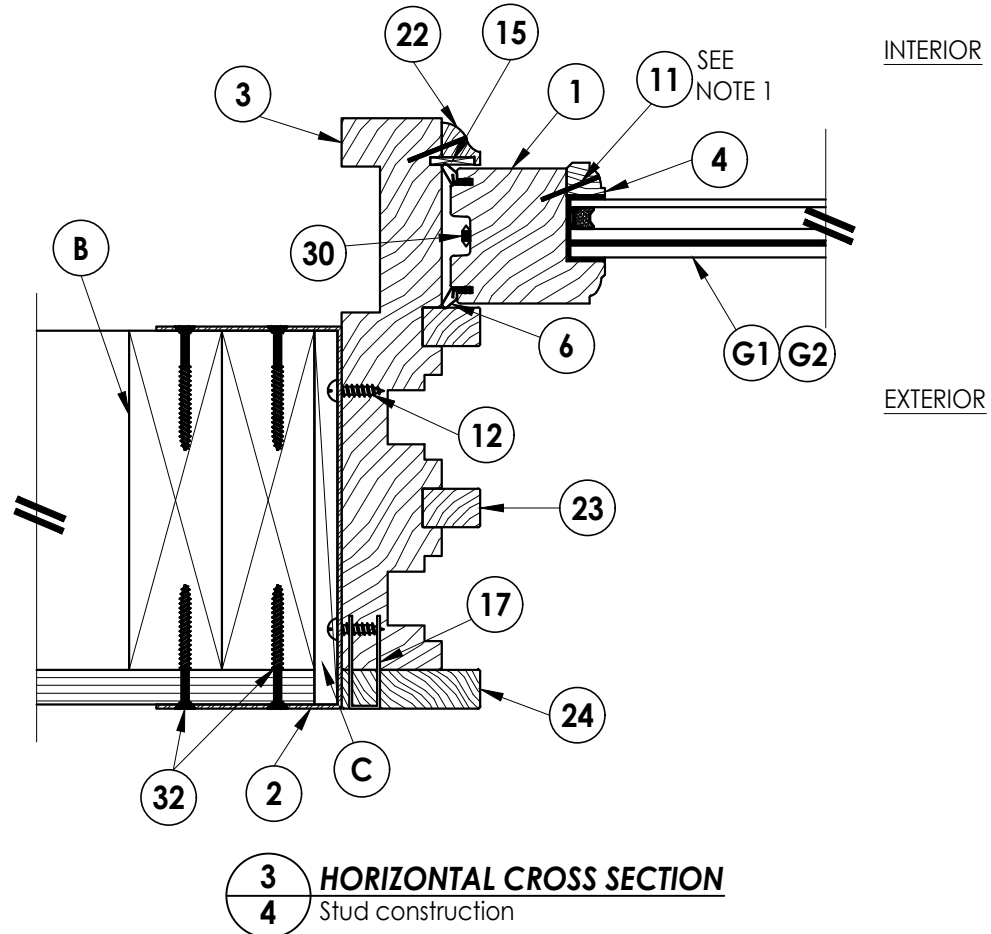
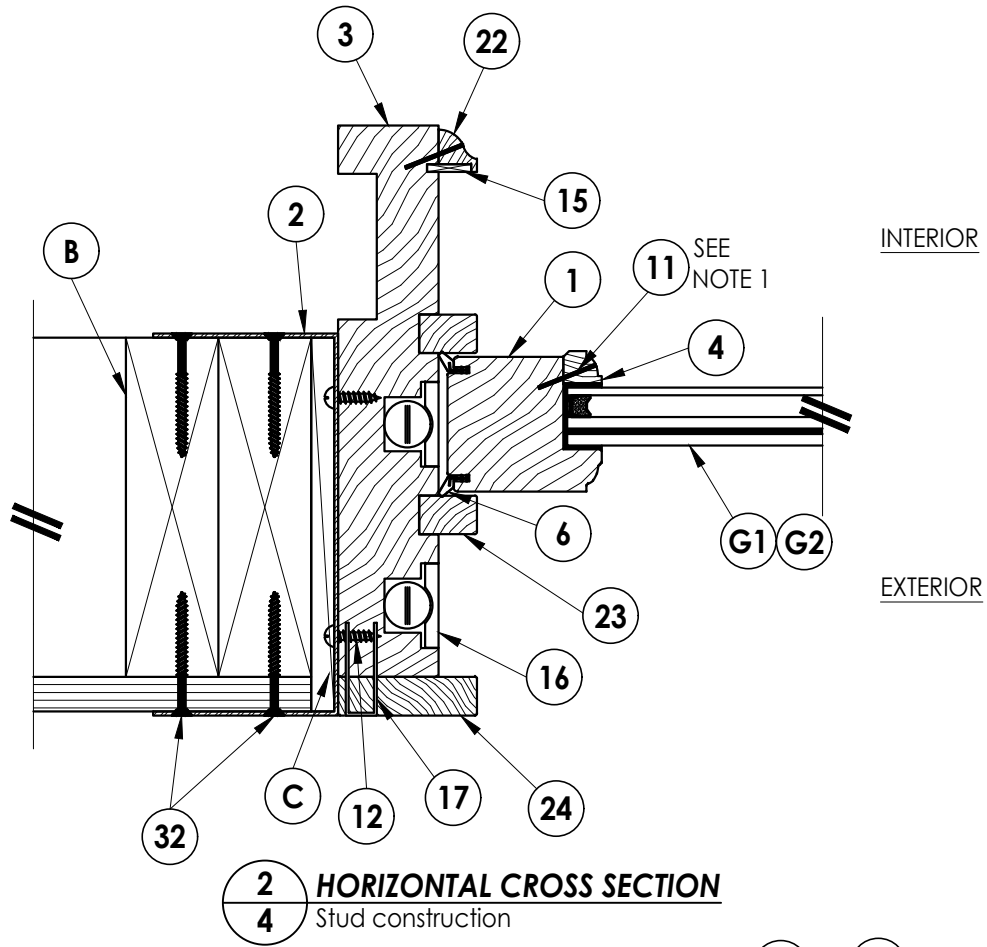
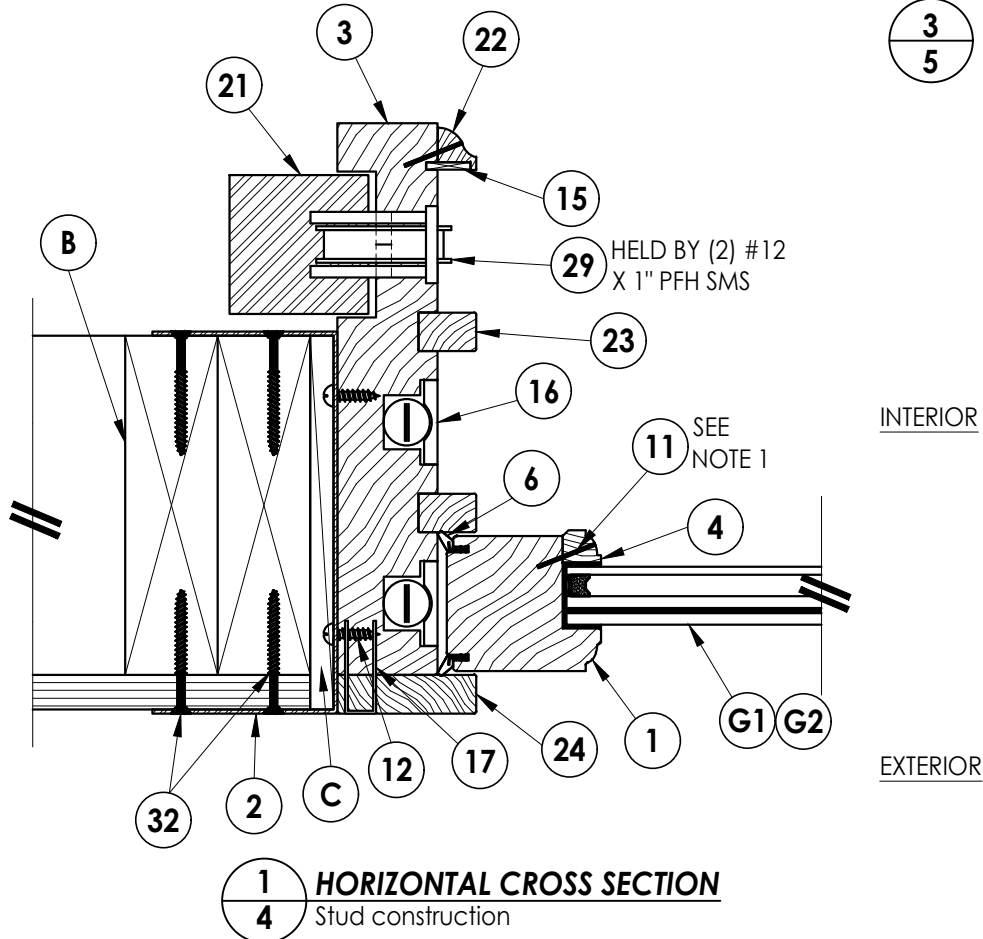
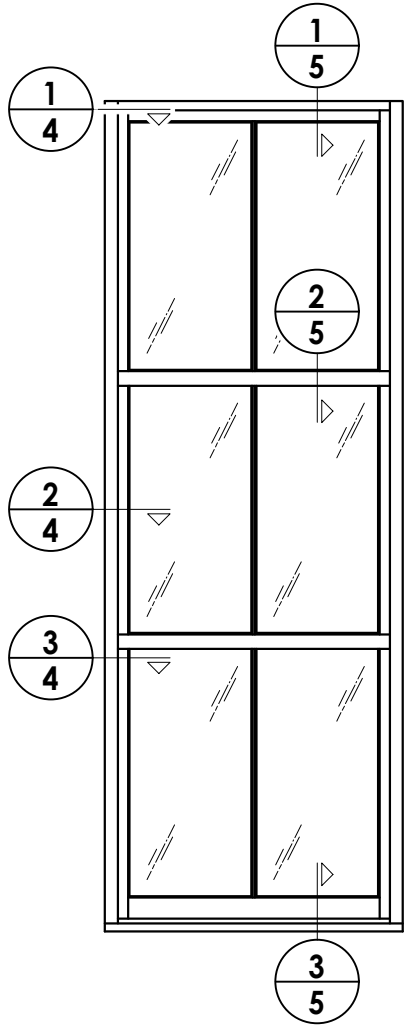
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SHEET 3 OF 9

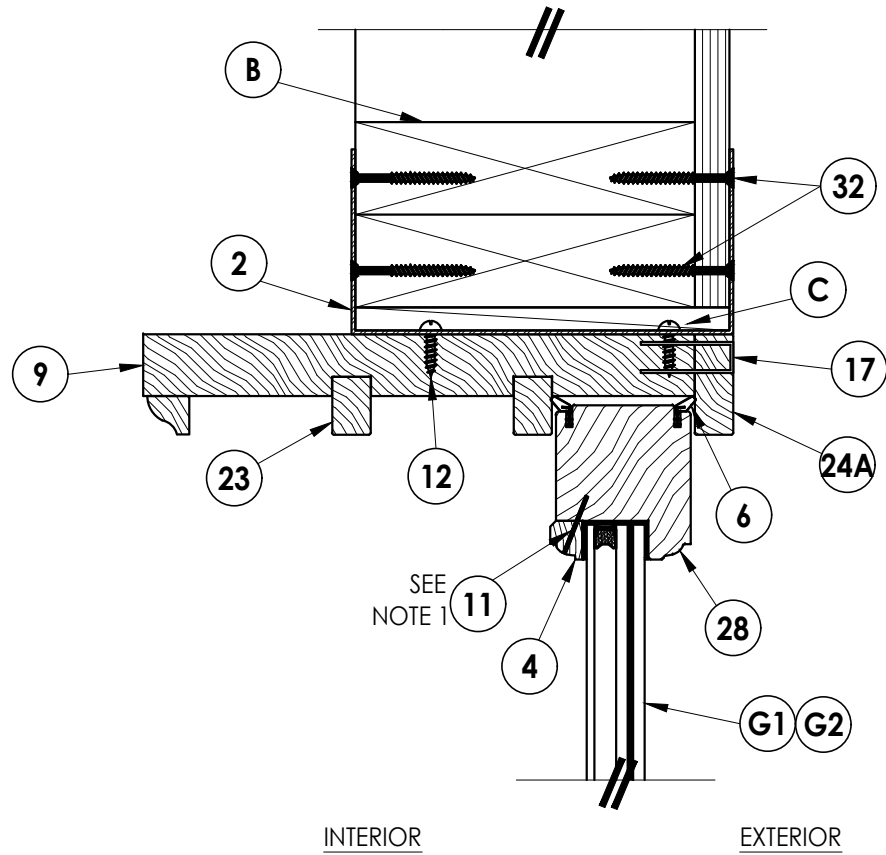
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NOTE:
1. 1" from edge & 4" o.c. thereafter.



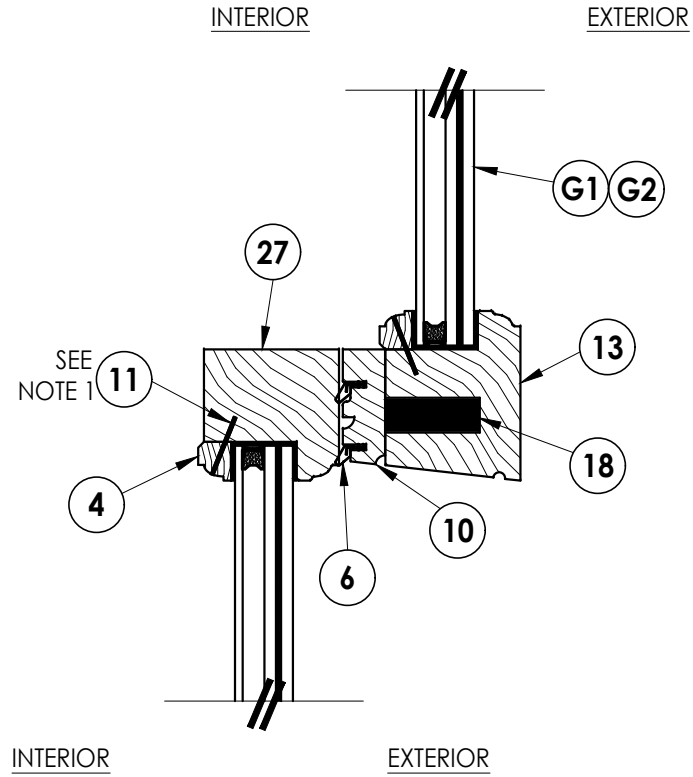
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PRODUCT: BRANNEN MILLWORK TRIPLE HUNG WINDOW		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
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NO.	DATE	REVISIONS	
DATE: 5/14/09			
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DRAWING NO.: FL-11474.8			
SHEET 4 OF 9			

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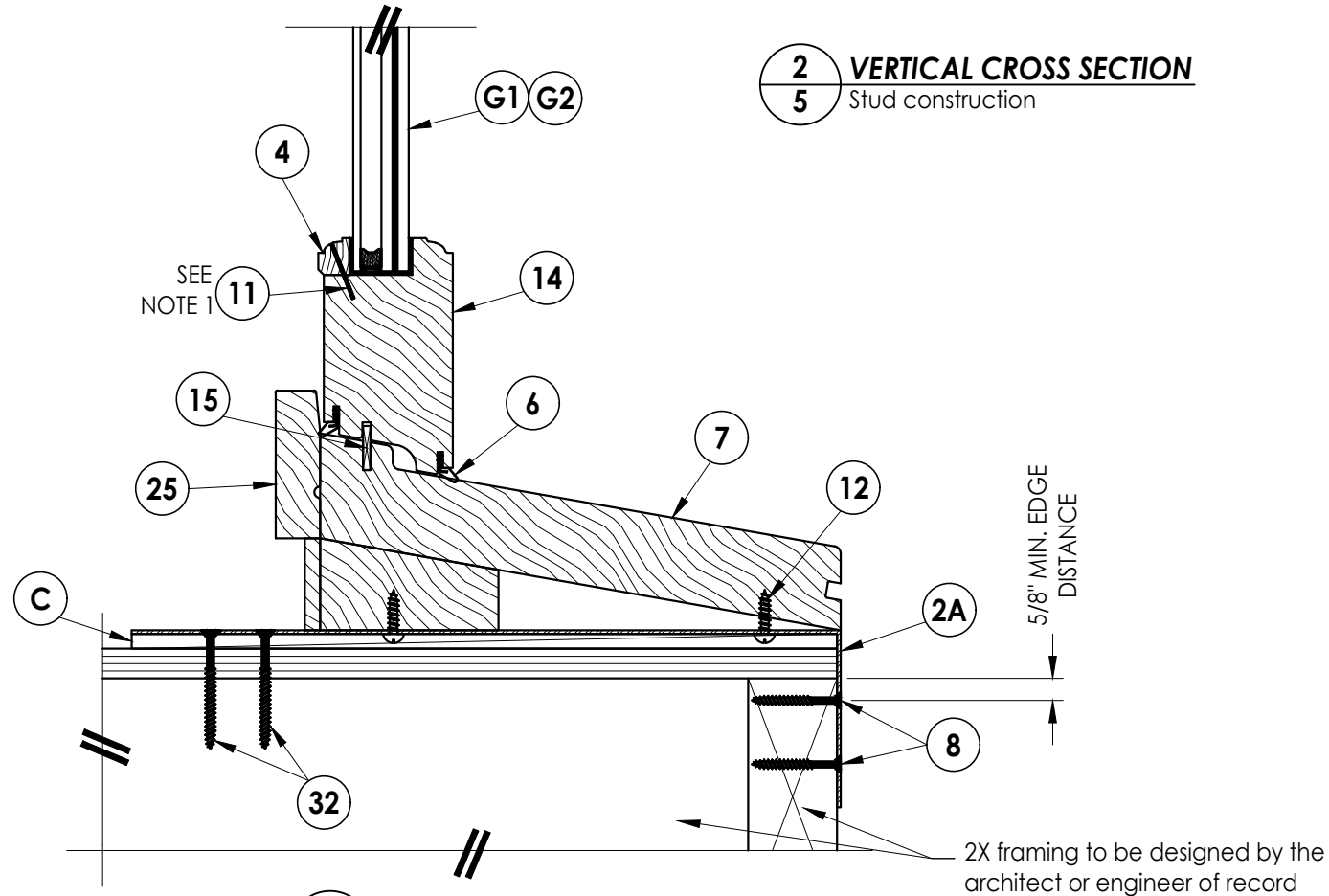


1 VERTICAL CROSS SECTION
5 Stud construction

NOTE:
1. 1" from edge & 4" o.c. thereafter.



2 VERTICAL CROSS SECTION
5 Stud construction



3 VERTICAL CROSS SECTION
5 Stud construction

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P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
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PRODUCT:
BRANNEN MILLWORK
TRIPLE HUNG WINDOW

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
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SCALE: N.T.S.

DWG. BY: AL

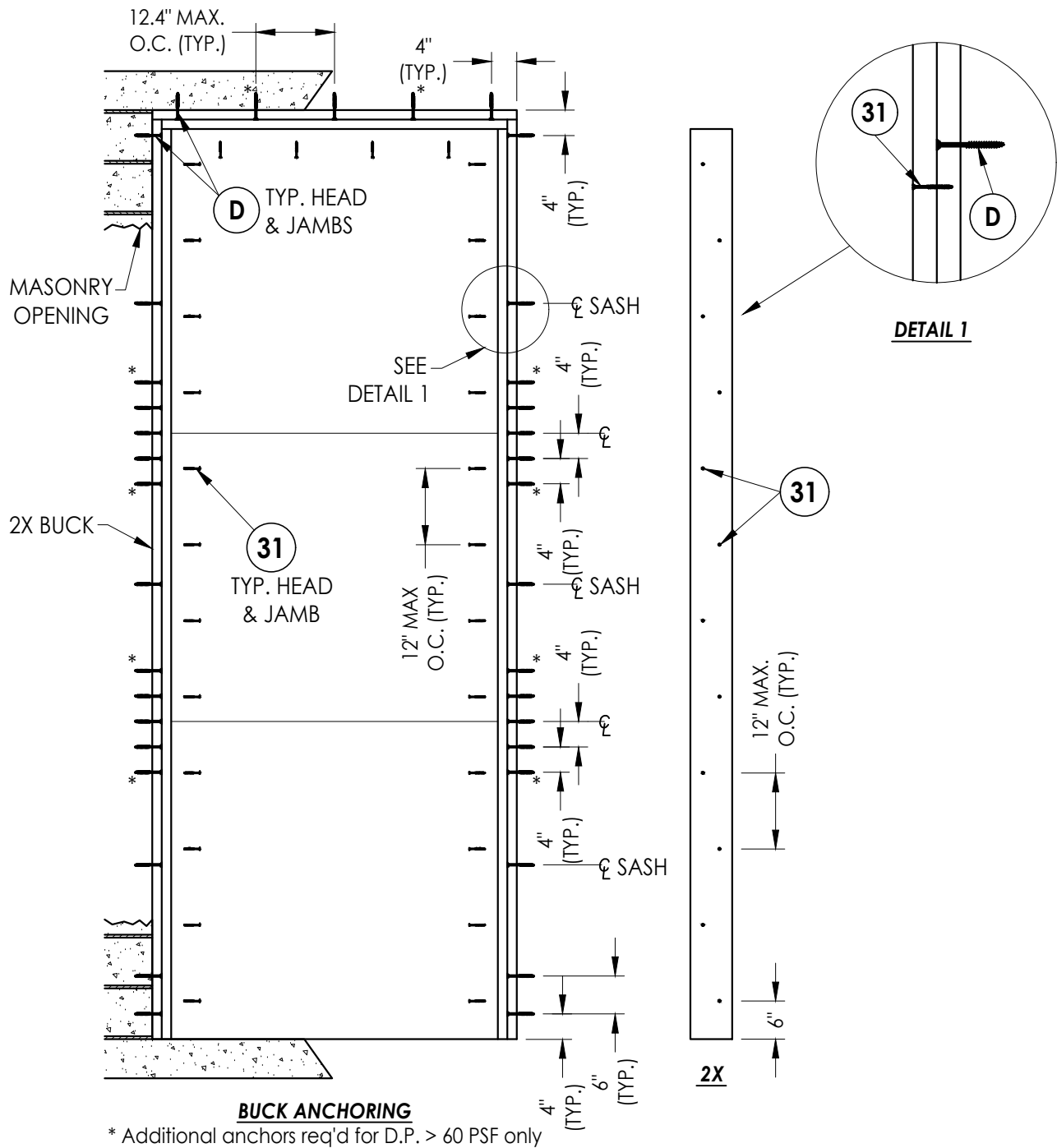
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SHEET 5 OF 9

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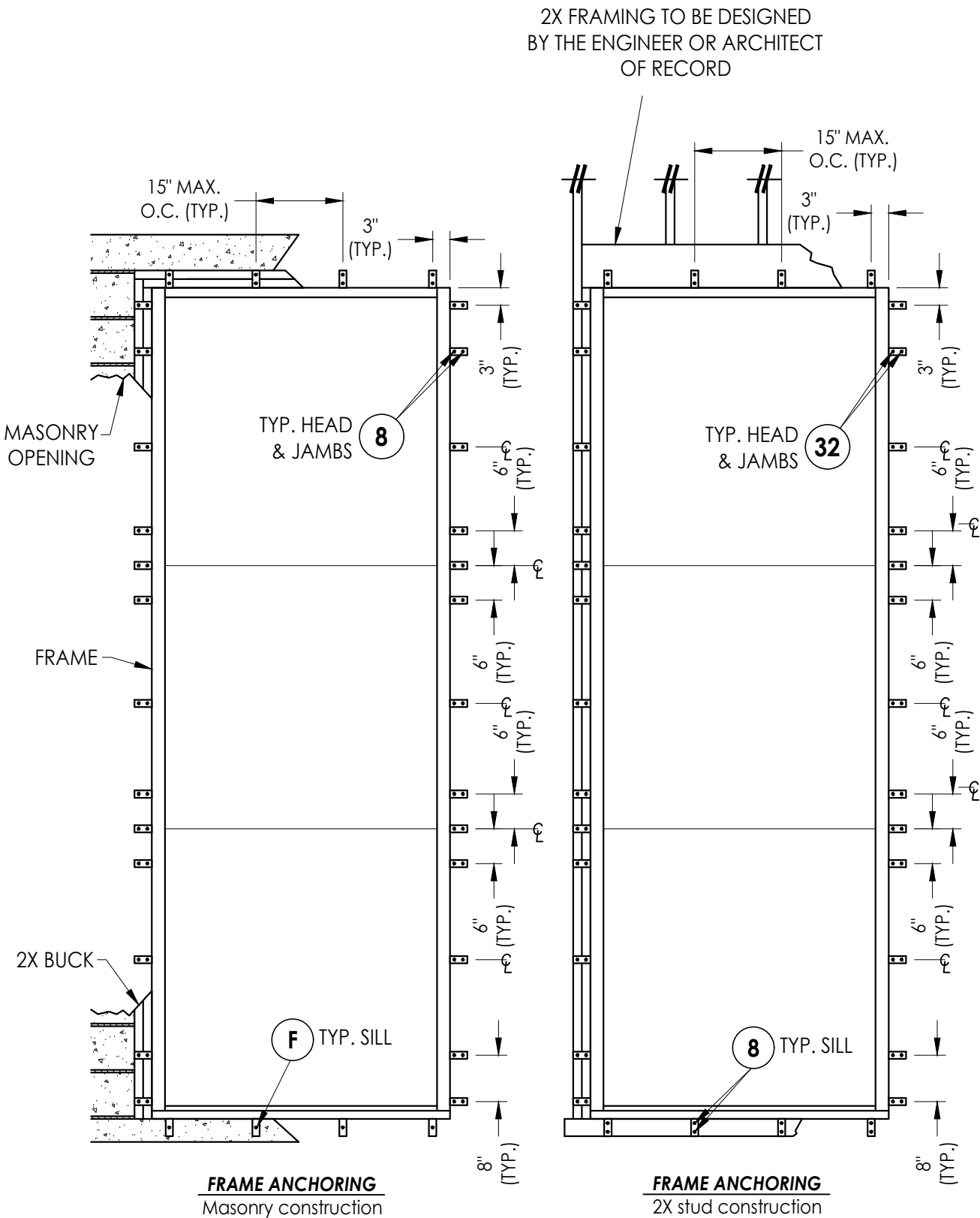
CONCRETE ANCHOR NOTES:

- 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 ULTRACON®	1/4"	1-1/4"	2-1/2"	4"

WOOD SCREW/NAIL INSTALLATION NOTES:

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



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Phone No.: 813.659.9197
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PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS			
		DATE	BY	CHK	LFS
5	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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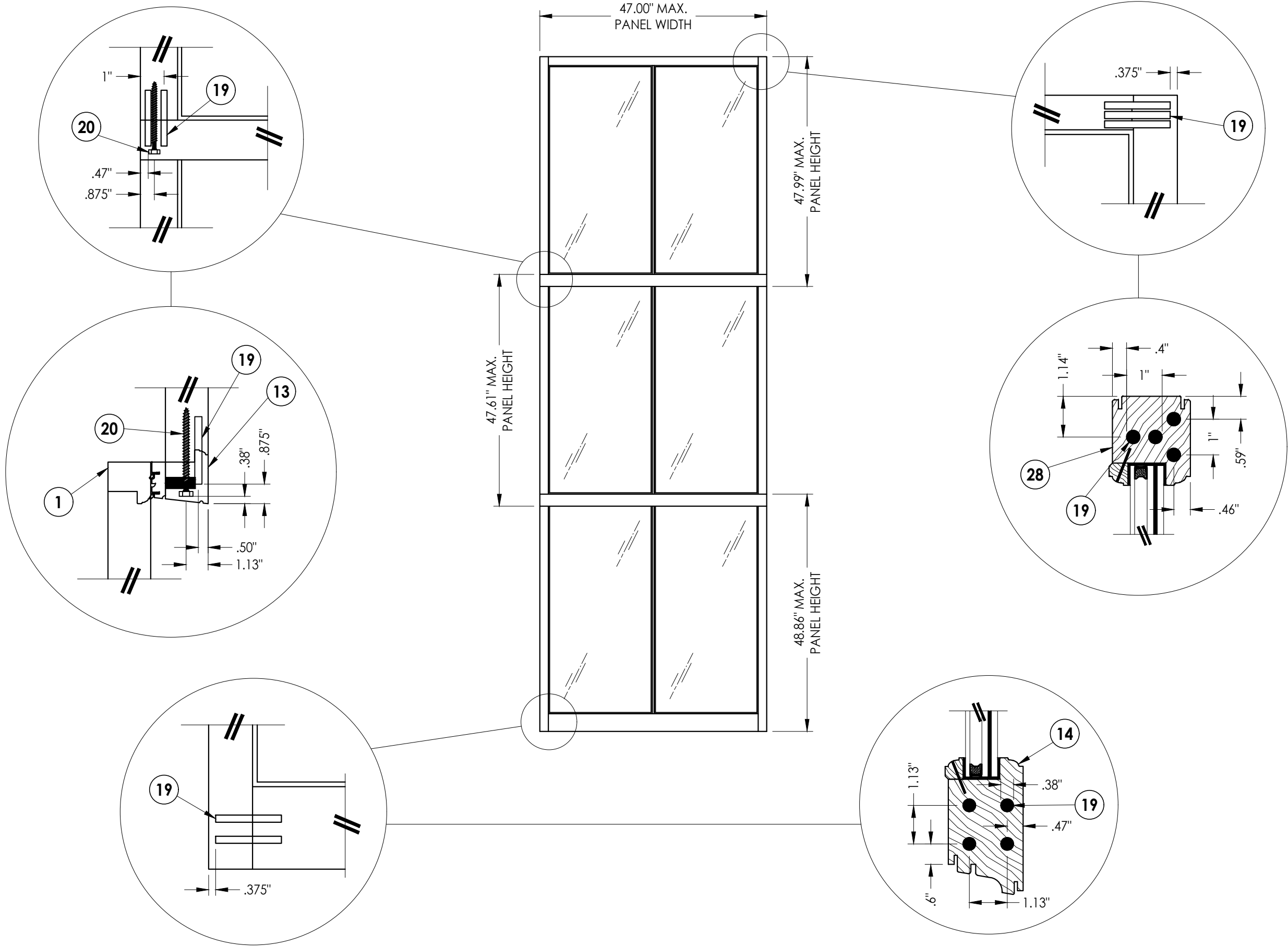
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FL-11474.8

SHEET 6 OF 9

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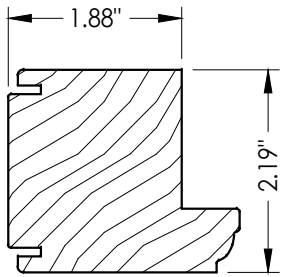
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4	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS							
3	7/10/17	UPDATE TO 6TH ED. (2017)	FBC	LFS							
2	08/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK							
1	1/26/12	UPDATE TO 2010 FBC		KV							
NO.	DATE			BY							

PRODUCT:		BRANNEN MILLWORK		TRIPLE HUNG WINDOW	
PART OR ASSEMBLY:		PANEL DETAILS			

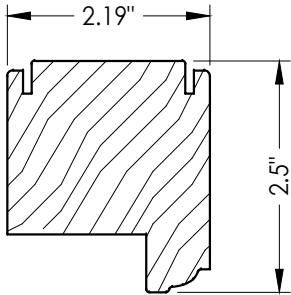
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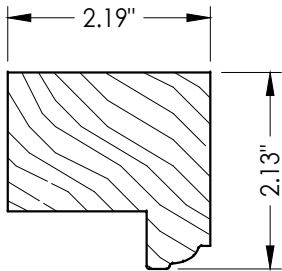
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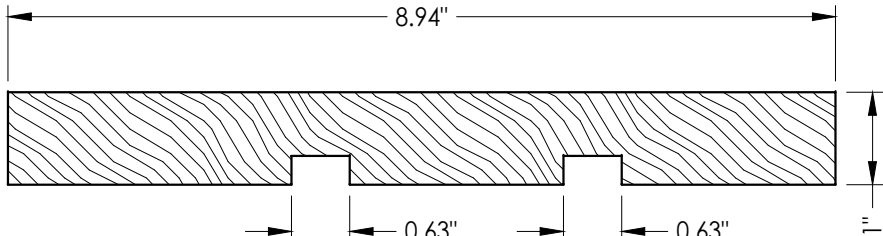
1 SASH STILE



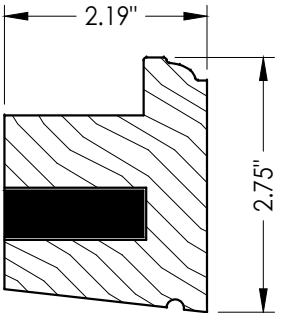
28 TOP SASH
Top rail



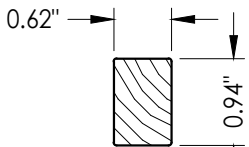
27 TOP SASH
Bottom rail



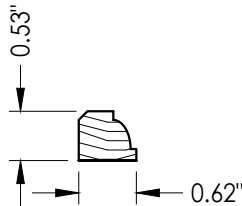
9 HEAD



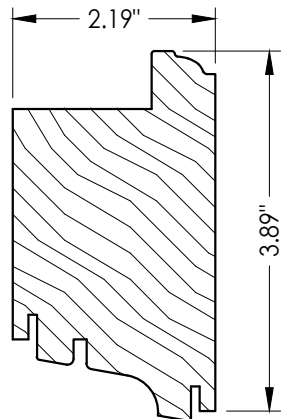
13 BOTTOM SASH
Top rail



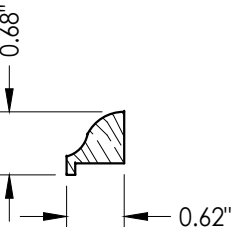
23 SASH GUIDE



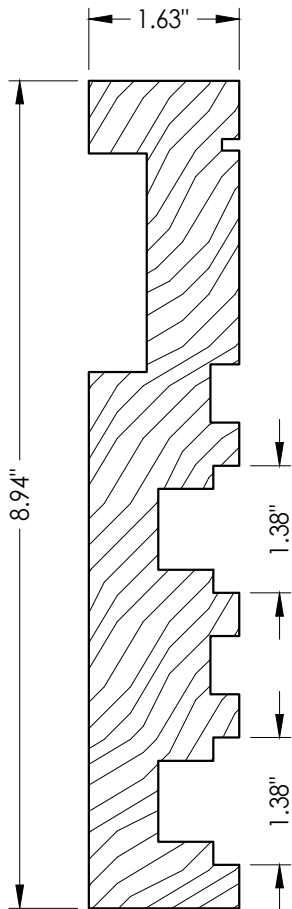
4 GLASS STOP



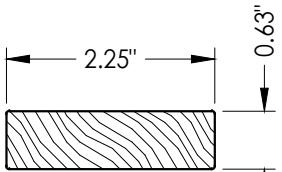
14 BOTTOM SASH
Bottom rail



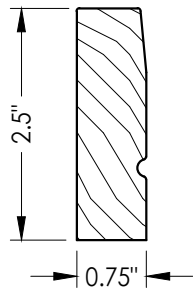
26 INTERIOR SASH STOP



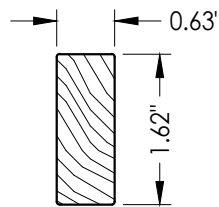
3 JAMB



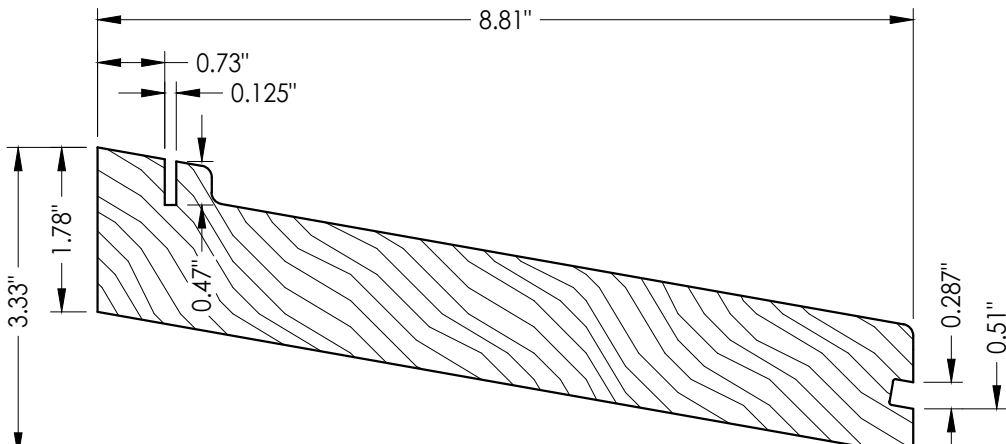
24 EXTERIOR SASH STOP



25 SILL EXTENDER



24A EXTERIOR SASH STOP



7 SILL

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PRODUCT:
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TRIPLE HUNG WINDOW

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
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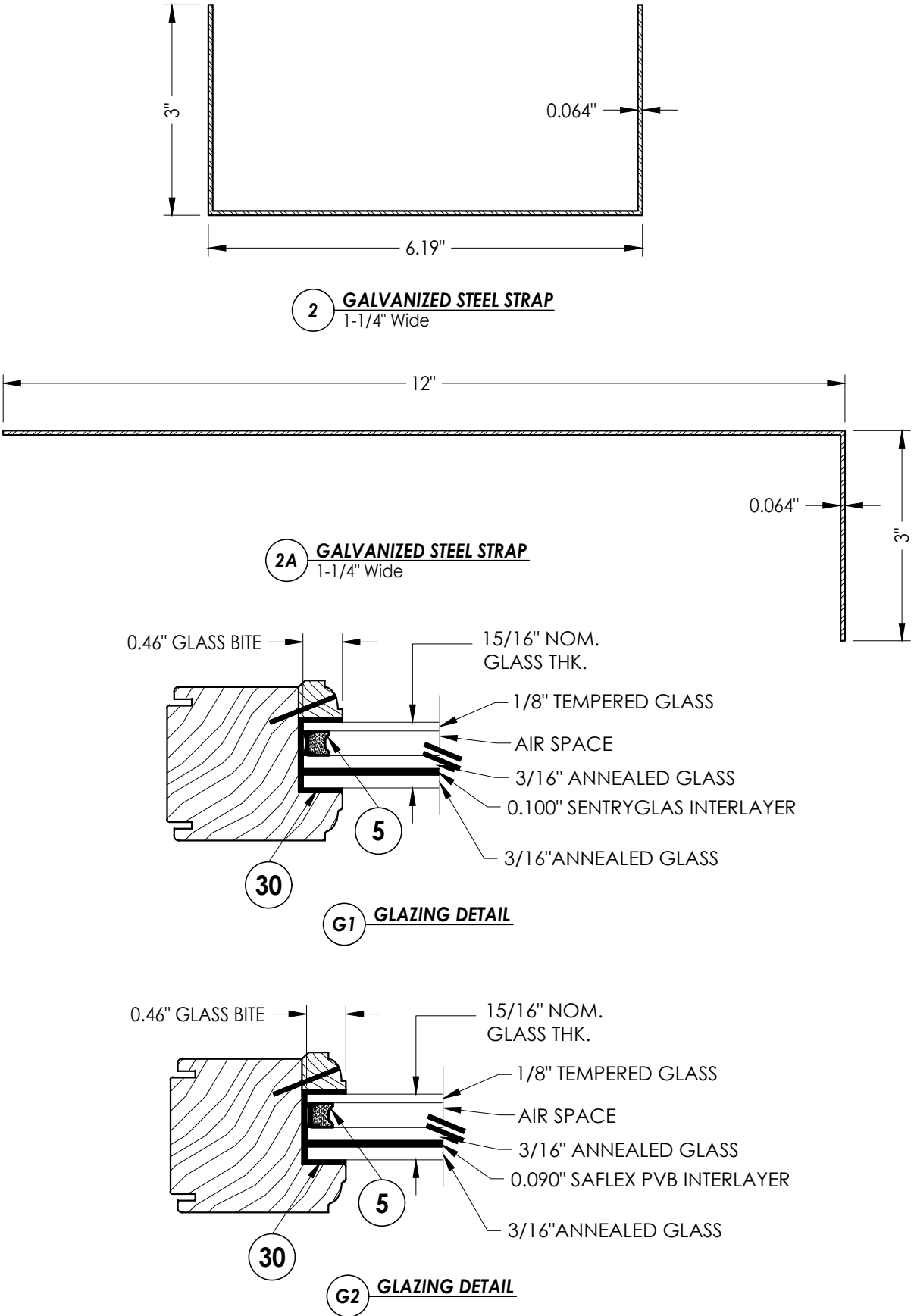
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SHEET 8 OF 9

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.55)	-
C	3/8" 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
F	1/4" X 1-3/4" DeWALT CONCRETE SCREW	STEEL
1	SASH STILE (SG >= 0.54)	WOOD
2	16 GAUGE X 1-1/4" GALVANIZED STEEL STRAP (SIMPSON STRONG-TIE CS16Z)	STEEL
2A	16 GAUGE X 1-1/4" GALVANIZED STEEL STRAP (SIMPSON STRONG-TIE CS16Z)	STEEL
3	JAMB (SG >= 0.54)	WOOD
4	GLASS STOP (SG >= 0.54)	WOOD
5	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL
6	WEATHERSTRIP QEZD250 BY SCHLEGEL	-
7	SILL (SG >= 0.54)	WOOD
8	#8 X 1-1/2" PFH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
9	HEAD (SG >= 0.54)	WOOD
10	MEETING RAIL (SG >= 0.54)	WOOD
11	1-3/16" LONG 23 GAUGE HEADLESS BRADS	STEEL
12	#8 X 3/4" PH SMS	STEEL
13	BOTTOM SASH TOP RAIL (SG >= 0.54)	WOOD
14	BOTTOM SASH BOTTOM RAIL (SG >= 0.54)	WOOD
15	1/8" X 3/4" BRASS	BRASS
16	SUPER-LIFT SPIRAL TUBE BALANCE BY UNIQUE BALANCE	-
17	1/2" X 1-1/2" STAPLE (16 GA.)	STEEL
18	1/2" X 1-1/2" ALUMINUM	ALUM.
19	DOWEL 3/8" X 3-1/2"	WOOD
20	# 24 X 4-1/4" HWH LAG BOLT	STEEL
21	COUNTER WEIGHT 2.25" X 2.25"	STEEL
22	INTERIOR SASH STOP (SG >= 0.54)	WOOD
23	SASH GUIDE (SG >= 0.54)	WOOD
24	EXTERIOR SASH STOP (SG >= 0.54)	WOOD
24A	EXTERIOR SASH STOP (SG >= 0.54)	WOOD
25	SILL EXTENDER (SG >= 0.54)	WOOD
26	DOW 995 STRUCTURAL SILICONE GLAZING COMPUND	SILICONE
27	TOP SASH BOTTOM RAIL (SG >= 0.54)	WOOD
28	TOP SASH TOP RAIL (SG >= 0.54)	WOOD
29	PULLEY	BRASS
30	CHAIN	COPPER
31	#8 X 2-3/4" PFH WOOD SCREW	STEEL
32	#8 X 2" PFH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL



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PRODUCT:	BRANNEN MILLWORK TRIPLE HUNG WINDOW		PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS
	LFS	FBC	REVISIONS
5	9/13/23	UPDATE TO 8TH ED. (2023)	FBC
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