

BRANNEN MILLWORK

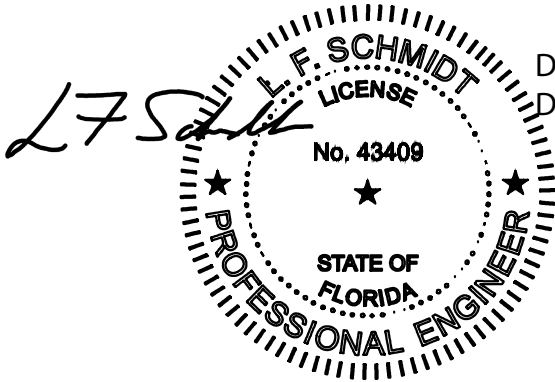
3379 EAST HWY. 46
REGISTER, GEORGIA 30452

EUROPEAN VENT CASEMENT WINDOW "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 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.
- 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.

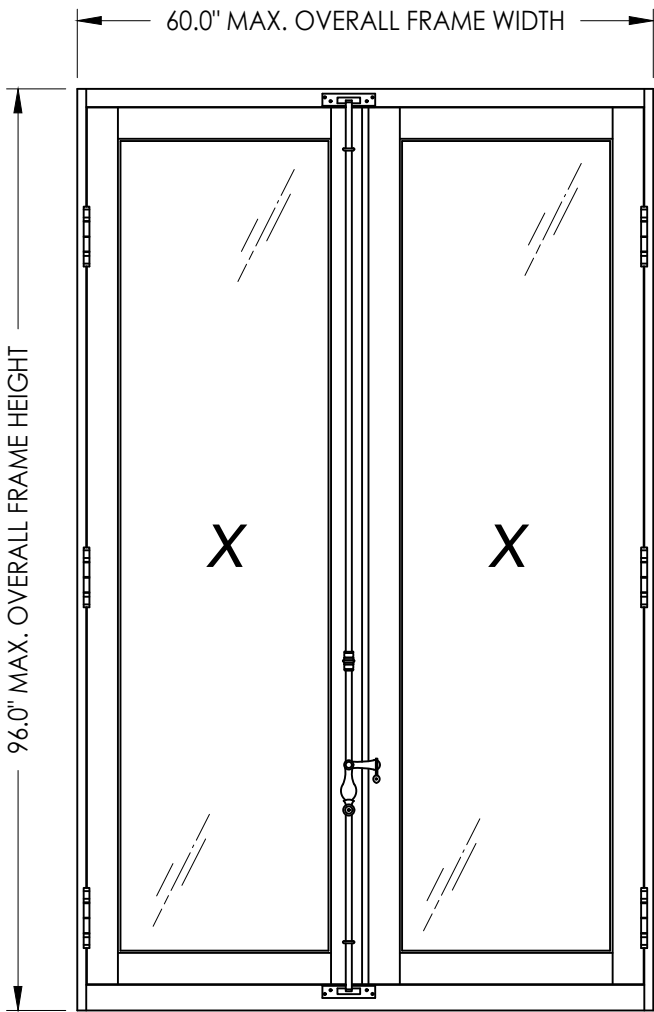
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SHEET #	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck & frame anchoring
6	Hardware details
7	Hardware details
8	Bill of materials, glazing detail & components



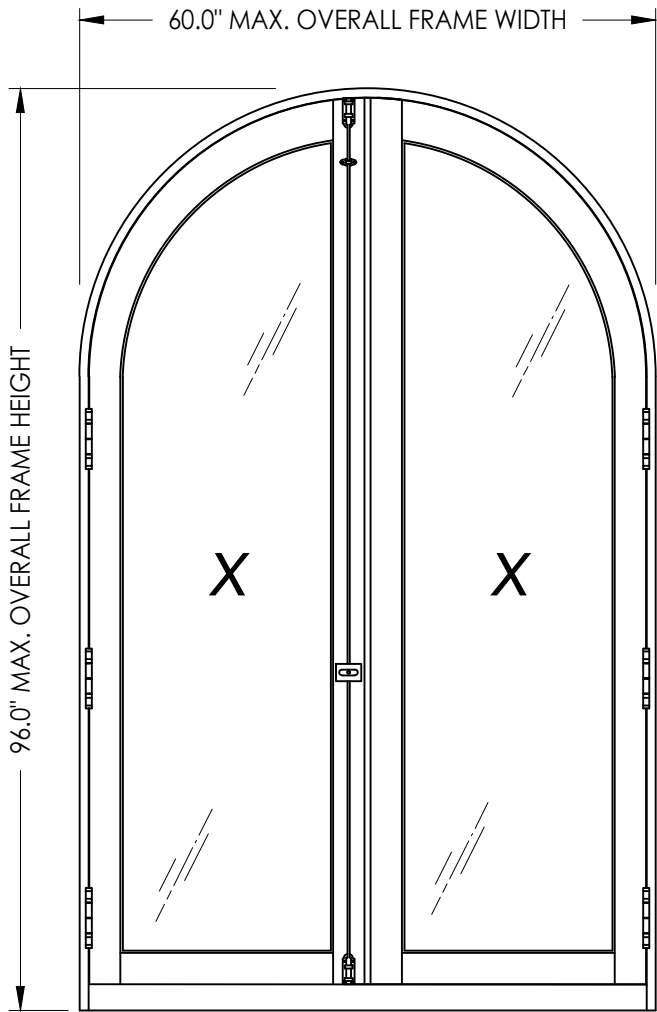
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L. F. Schmidt, P.E. on the date adjacent to the seal.
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considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



Shown with Espagnolette Surface bolt



Shown with Cremone Surface bolt

Louis V & France Surface bolts are not shown

OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
60.0" x 96.0"	21.56" x 84.12"	G1	+65.0	-65.0
60.0" x 93.38"	21.56" x 81.5"	G2	+50.0	-50.0

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

BRANNEN MILLWORK
CASEMENT WINDOW

PART OR ASSEMBLY:

TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

5

LFS

4

LFS

3

LFS

2

JK

1

JK

NO.

DATE

5

8/30/23

4

9/16/20

3

7/10/17

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3/03/15

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5/14/12

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9/16/20

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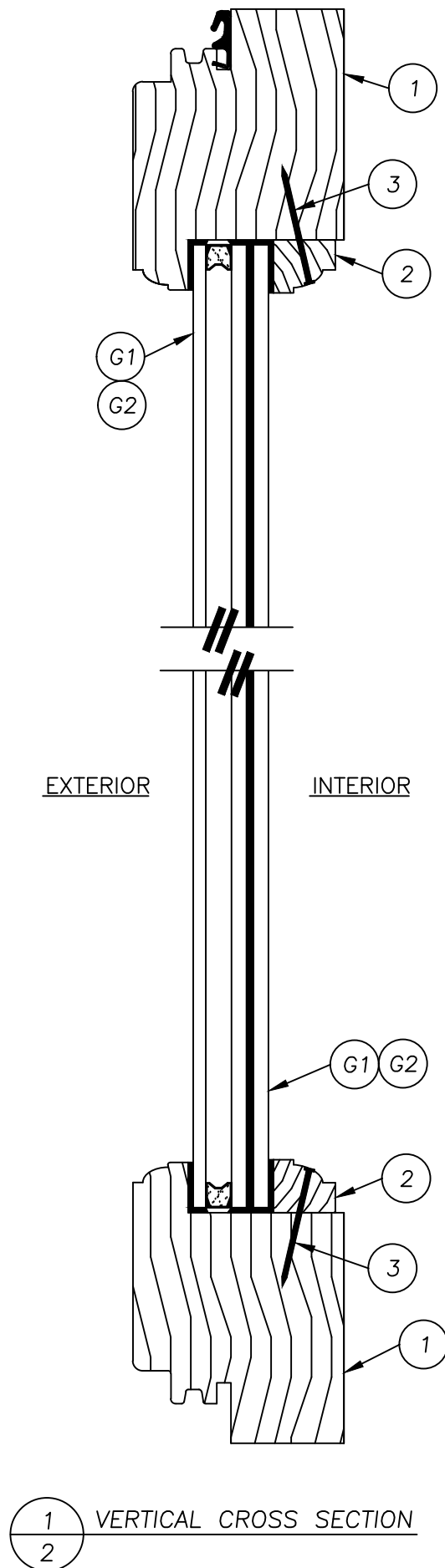
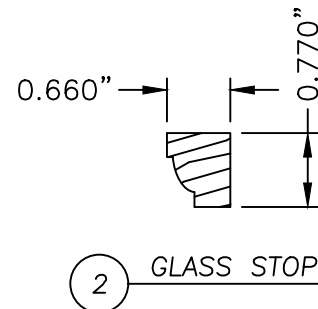
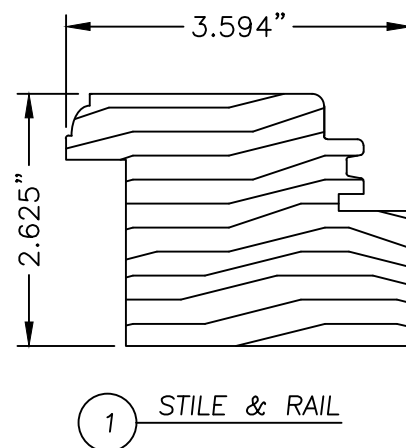
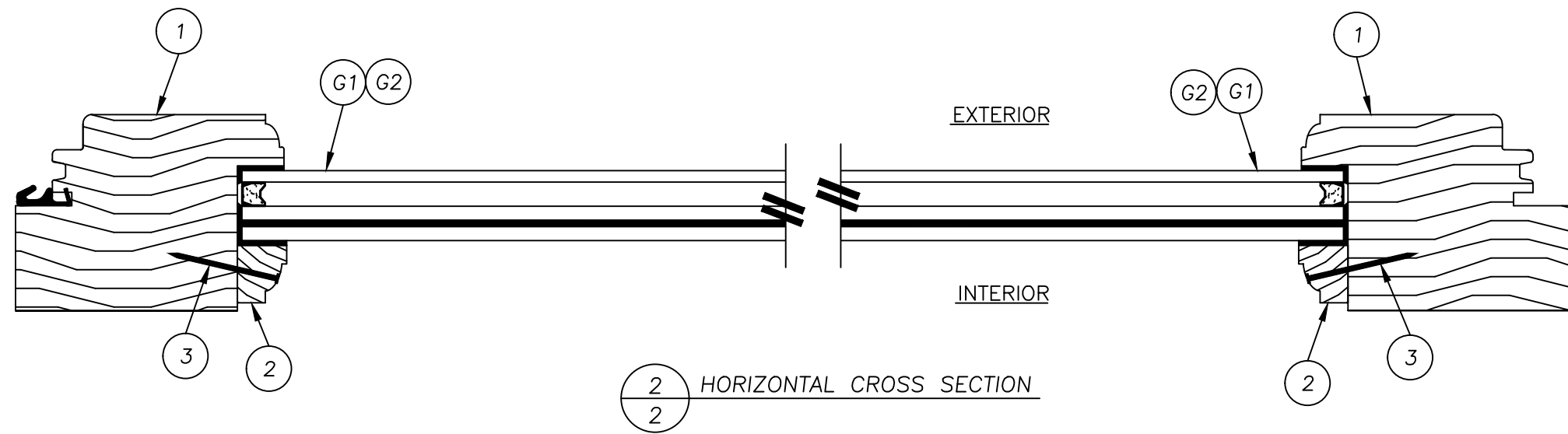
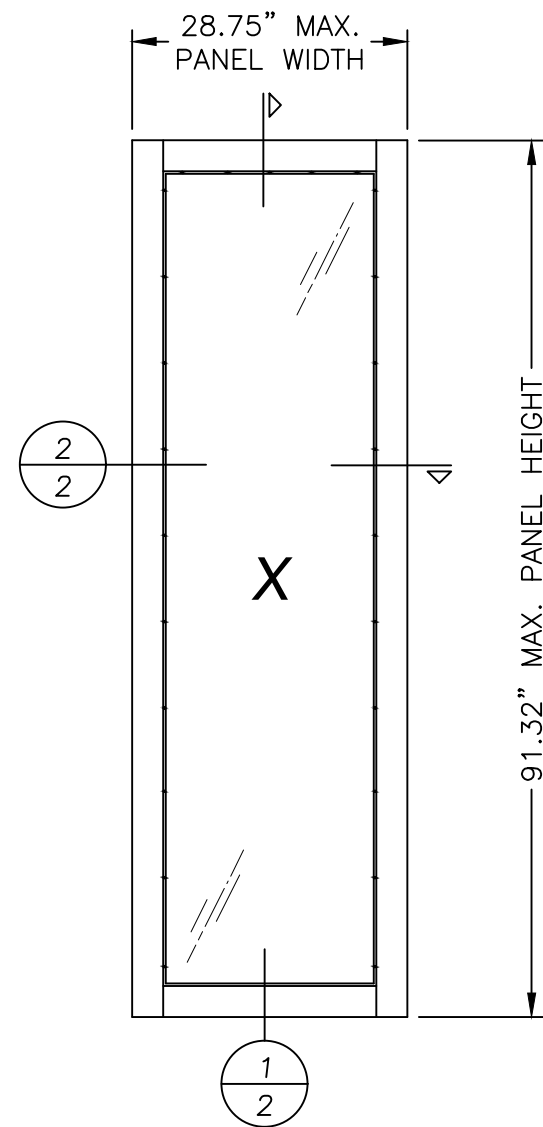
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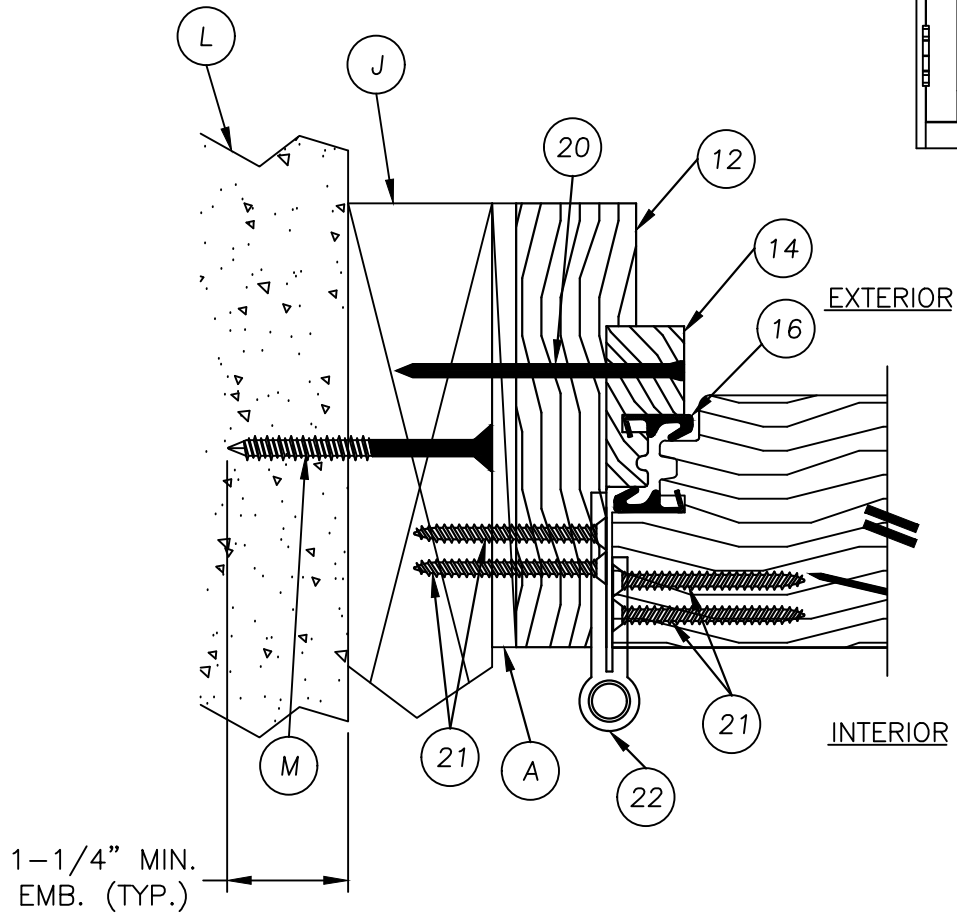


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CHK. BY:	LFS		
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SHEET	2	OF	8

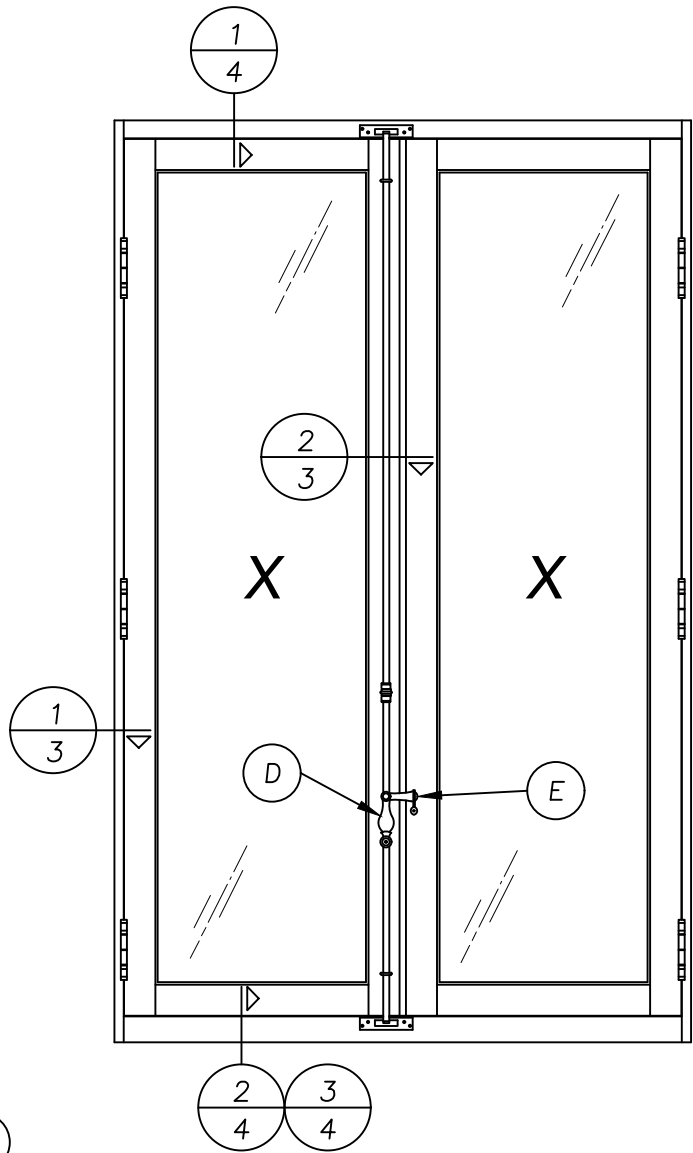
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

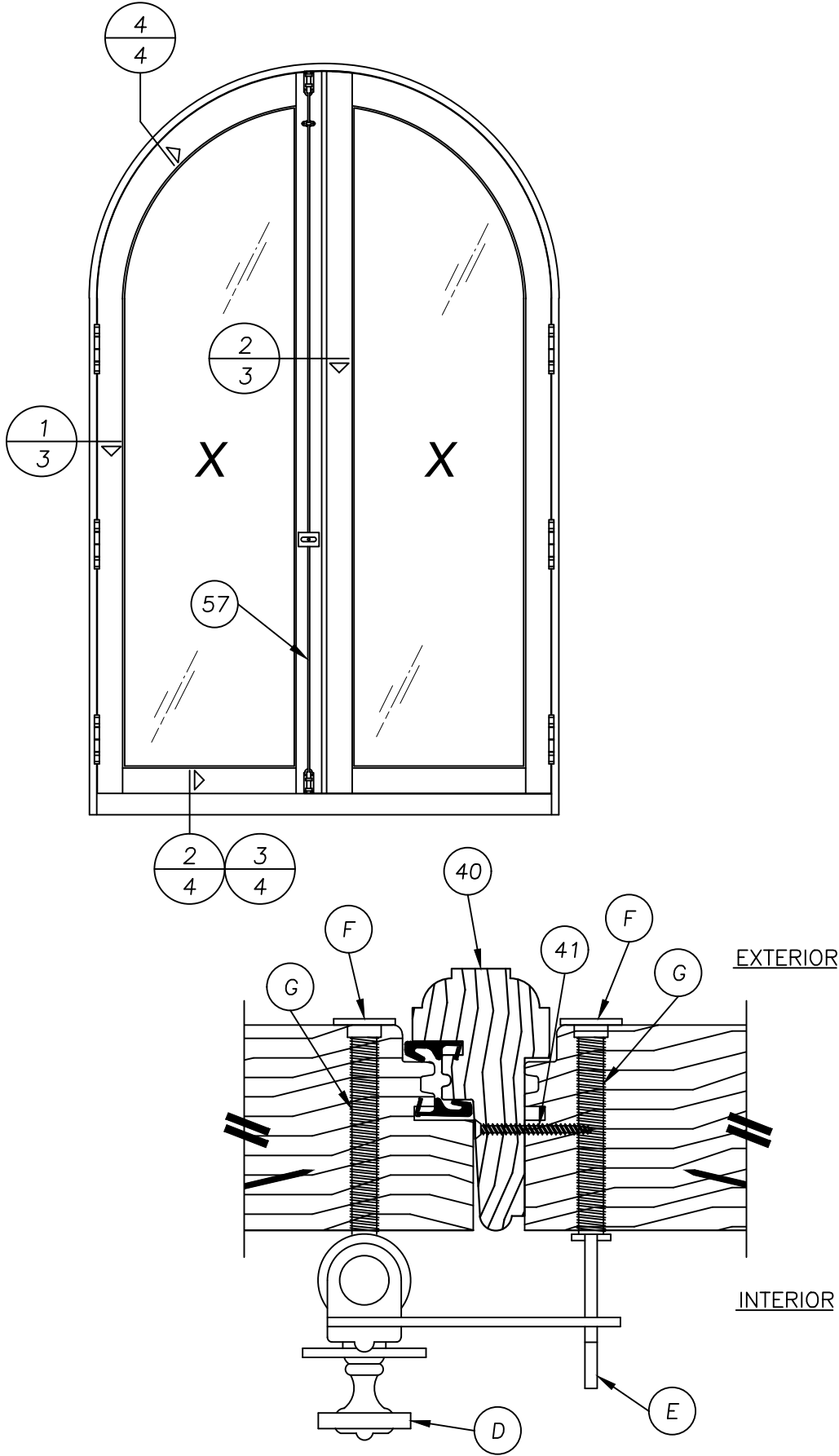
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1
3 HORIZONTAL CROSS SECTION



2
3 HORIZONTAL CROSS SECTION



NO.	DATE	REVISIONS
5	8/30/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
3	7/10/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	3/03/15	UPDATE TO 5TH ED. (2014) FBC JK
1	5/14/12	UPDATE TO 2010 FBC JK
		BY

DATE: 8/27/08

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

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FL-9267.2

SHEET 3 OF 8

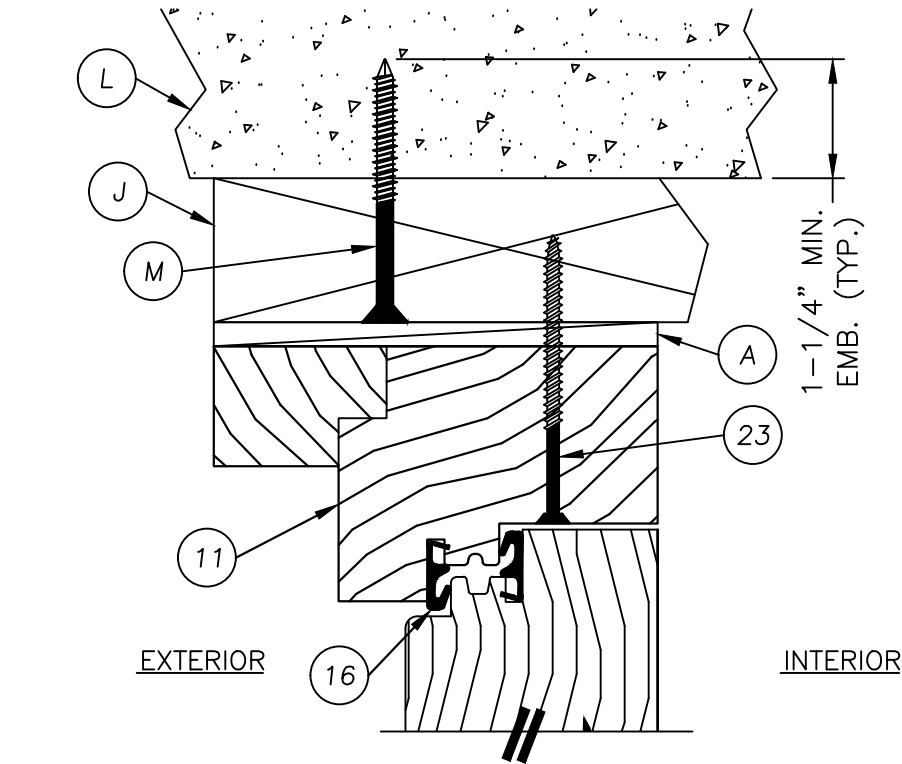
PRODUCT:
BRANNEN MILLWORK
CASEMENT WINDOW

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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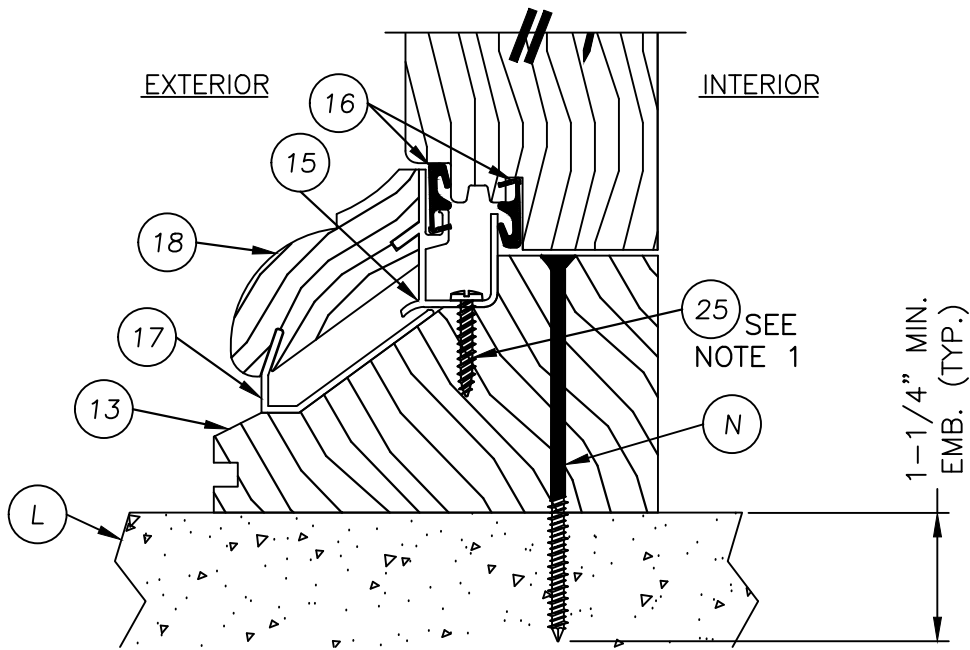
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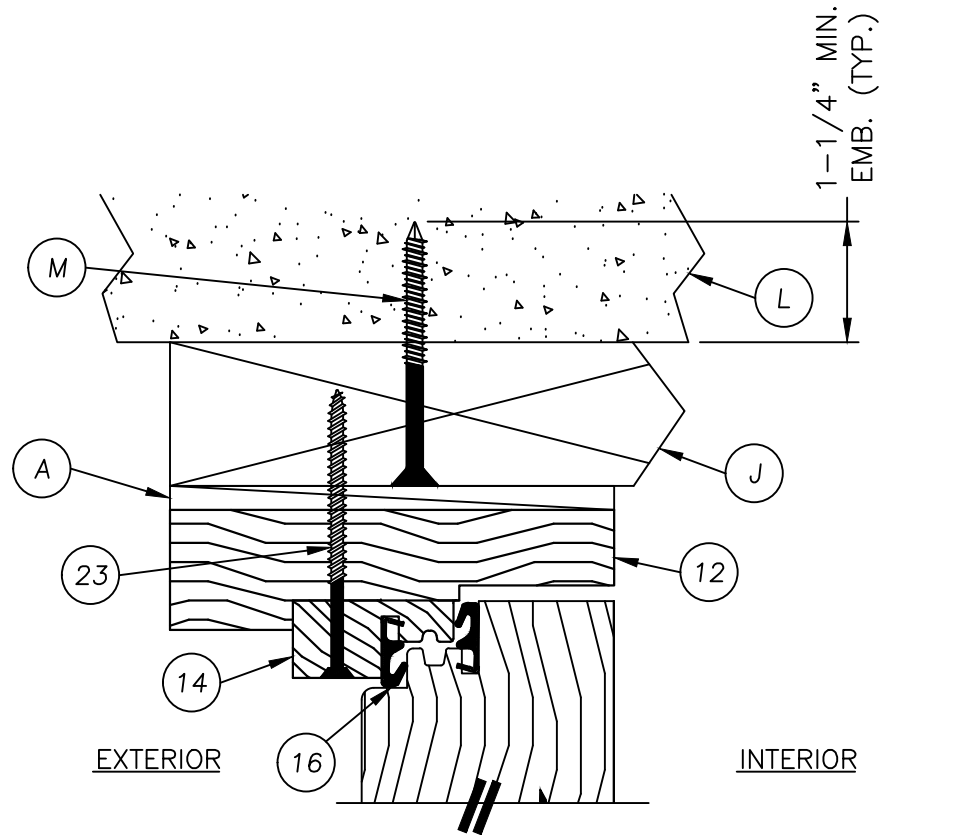


1
4
VERTICAL CROSS SECTION

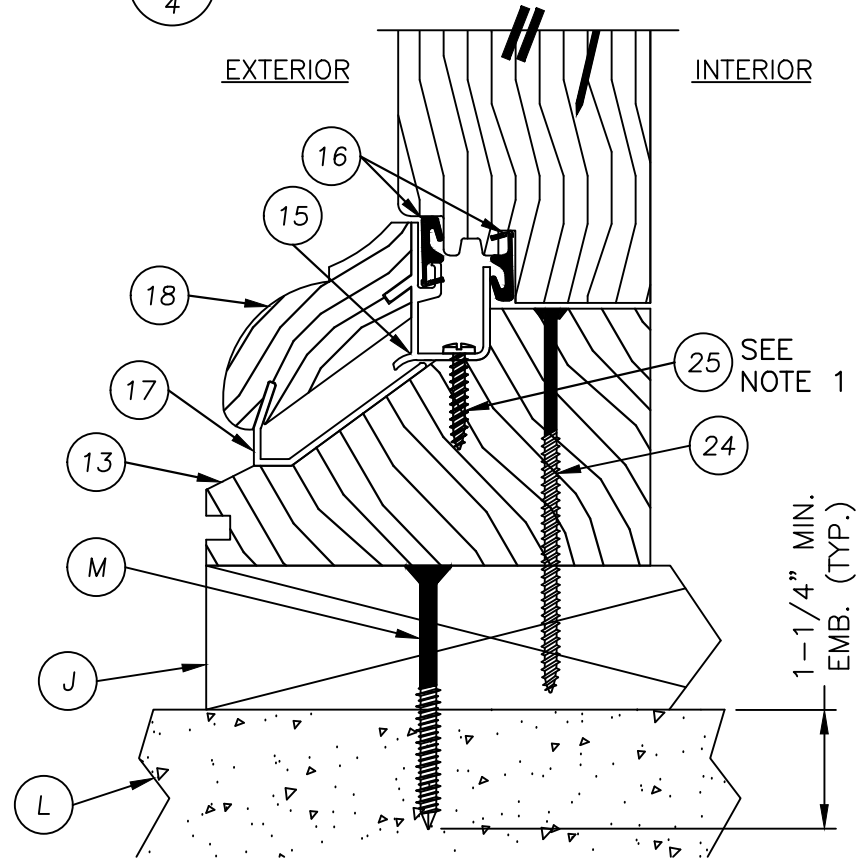
- NOTES:
- SEE SHEET 5 FOR SPACING. SPACING OF ITEM (25) IS THE SAME AS SILL ANCHOR ITEMS (N & 24).



2
4
VERTICAL CROSS SECTION



4
4
VERTICAL CROSS SECTION



3
4
VERTICAL CROSS SECTION

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PRODUCT:
BRANNEN MILLWORK
CASEMENT WINDOW

NO.	DATE	REVISIONS					
		BY	JK	JK	LFS	FBC	LFS
5	8/30/23	DATE	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC
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2	3/03/15		UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC
1	5/14/12		UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC	UPDATE TO 2010 FBC

DATE: 8/27/08

SCALE: N.T.S.

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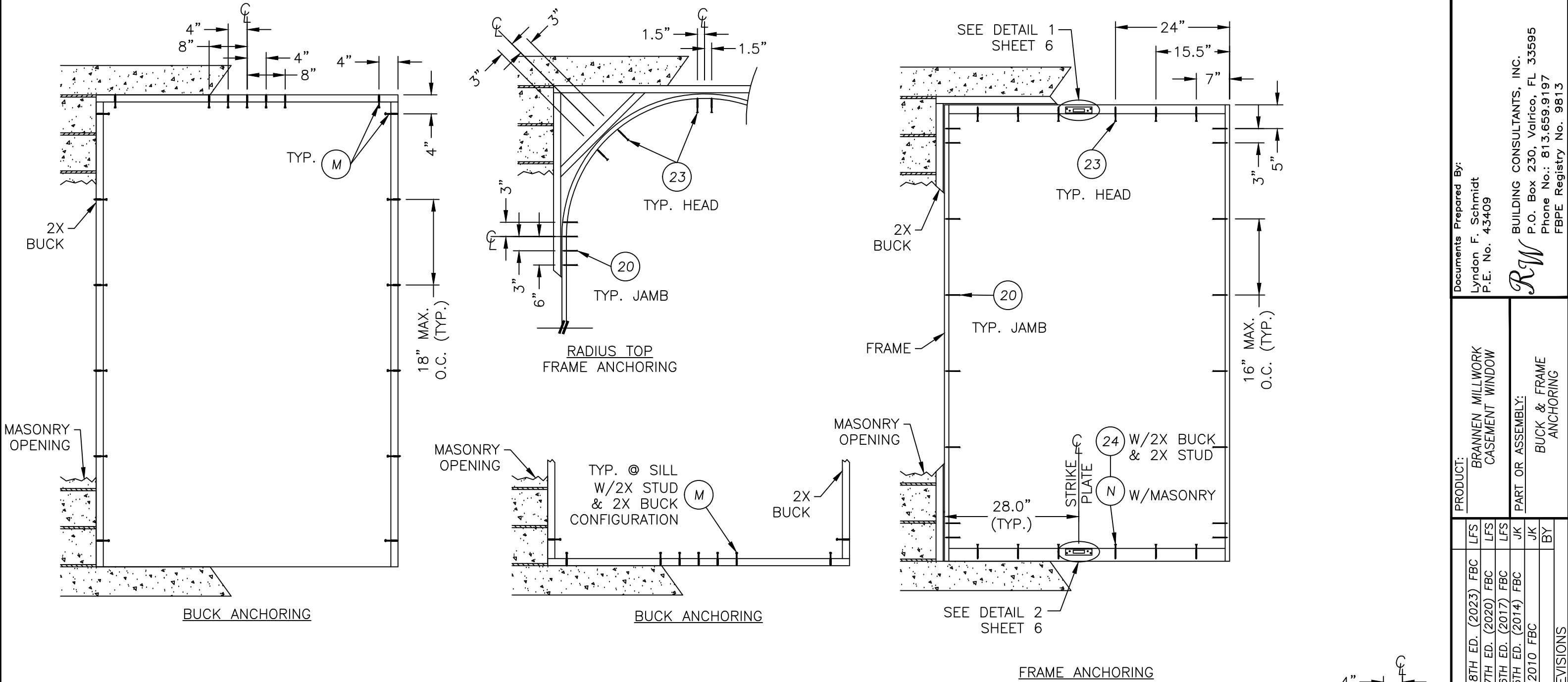
DRAWING NO.:

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SHEET 4 OF 8

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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"	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.

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BRANNEN MILLWORK
CASEMENT WINDOW

DATE

5 8/30/23 UPDATE TO 8TH ED. (2023) FBC LFS
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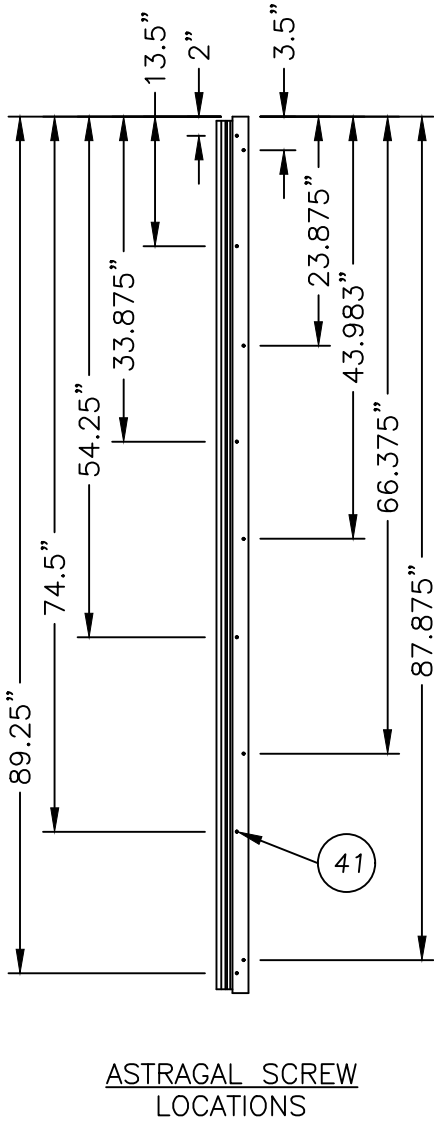
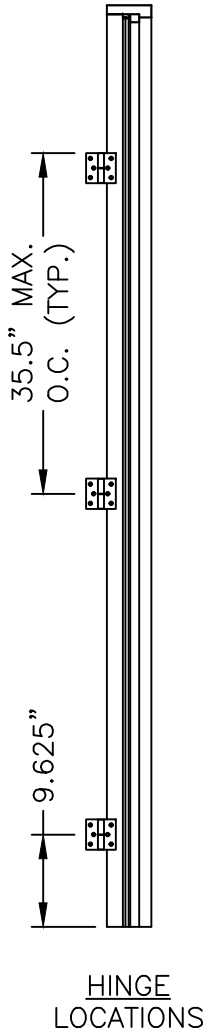
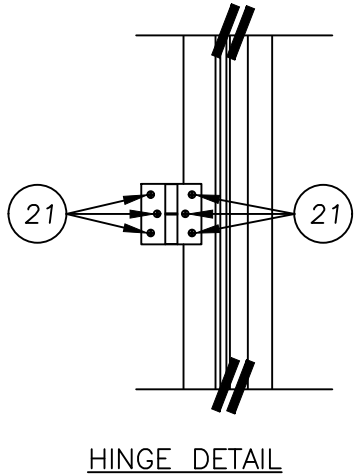
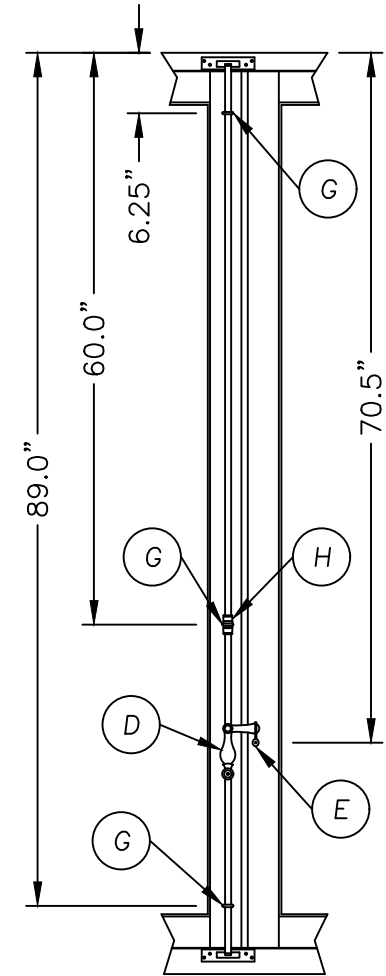
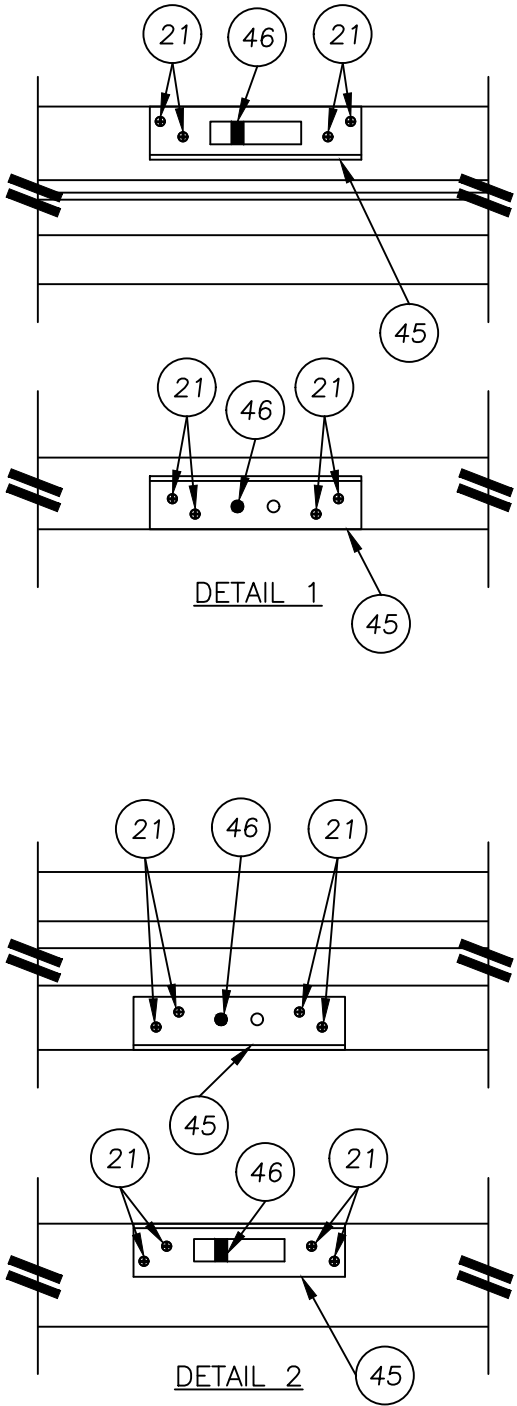
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SHEET 5 OF 8

REVISONS

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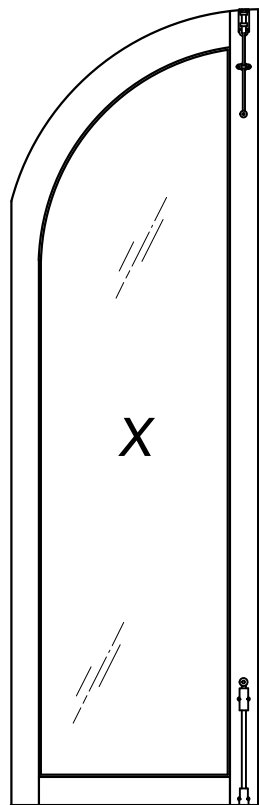
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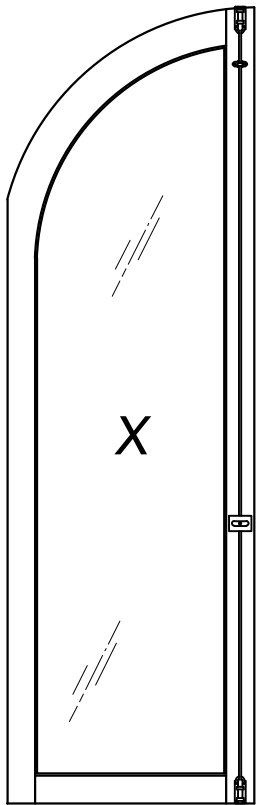
PRODUCT:	BRANNEN MILLWORK CASEMENT WINDOW
	PART OR ASSEMBLY: HARDWARE DETAILS

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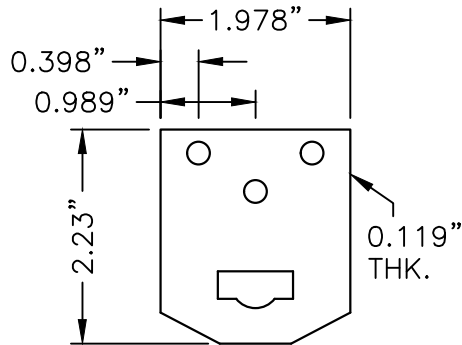
SURFACE BOLT

When Louis V or France surface bolts are used, the Espagnolette lock is not required

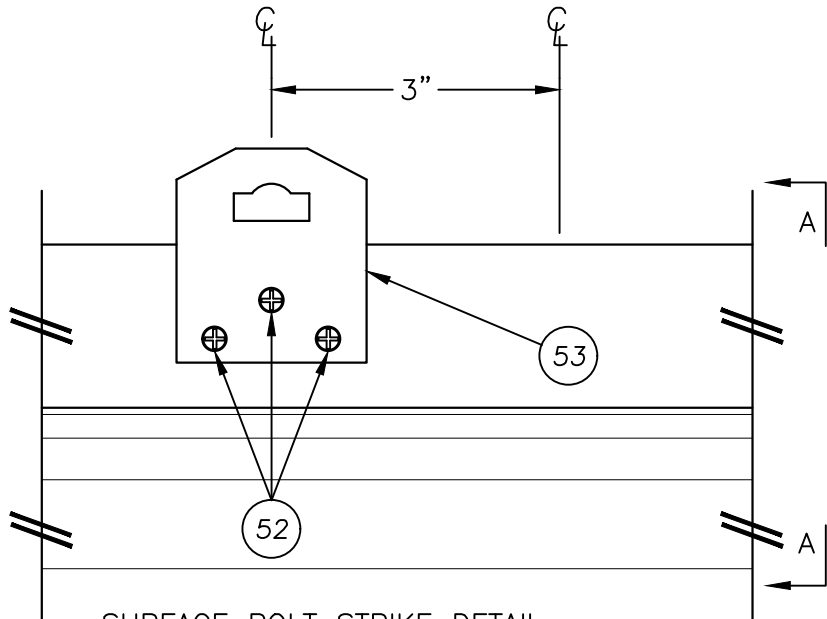
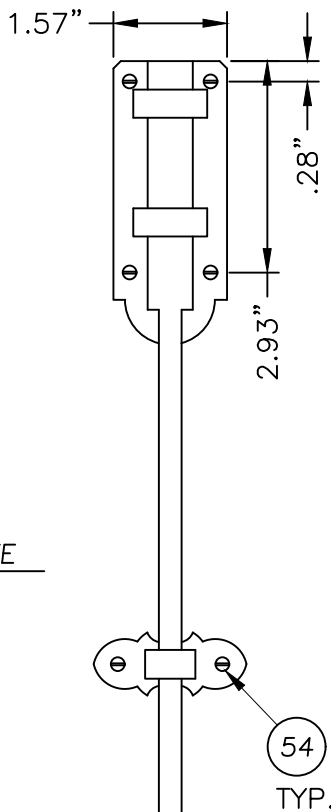


SURFACE BOLT

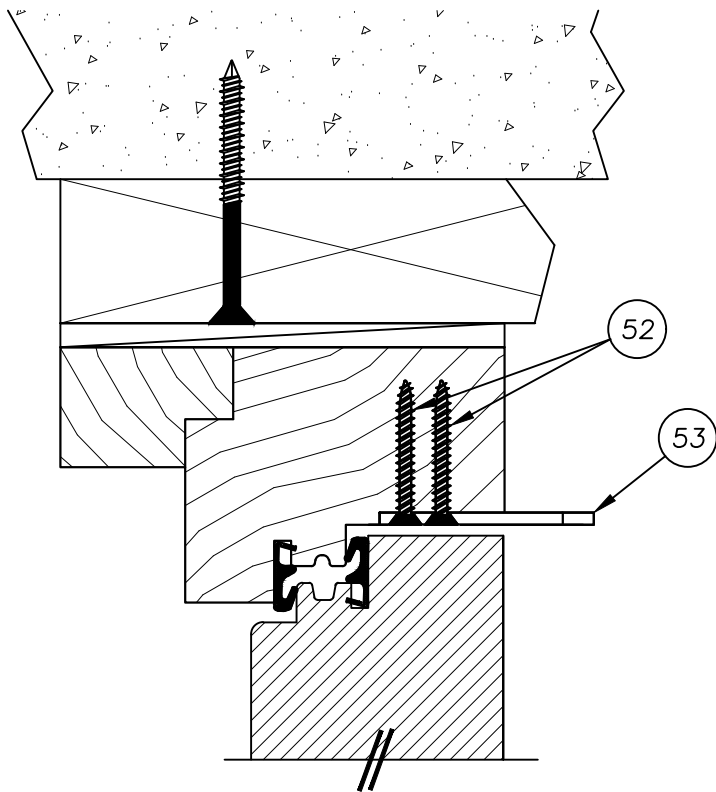
When Cremone surface bolt are used, the Espagnolette lock is not required



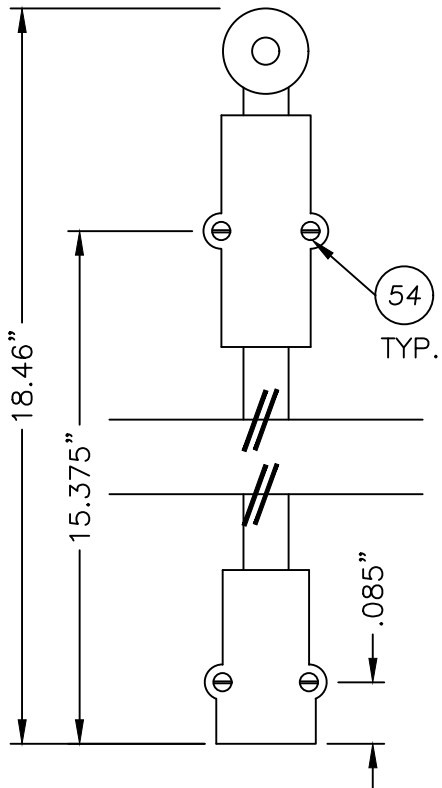
53 SURFACE BOLT STRIKE PLATE
Typ. @ Head & sill



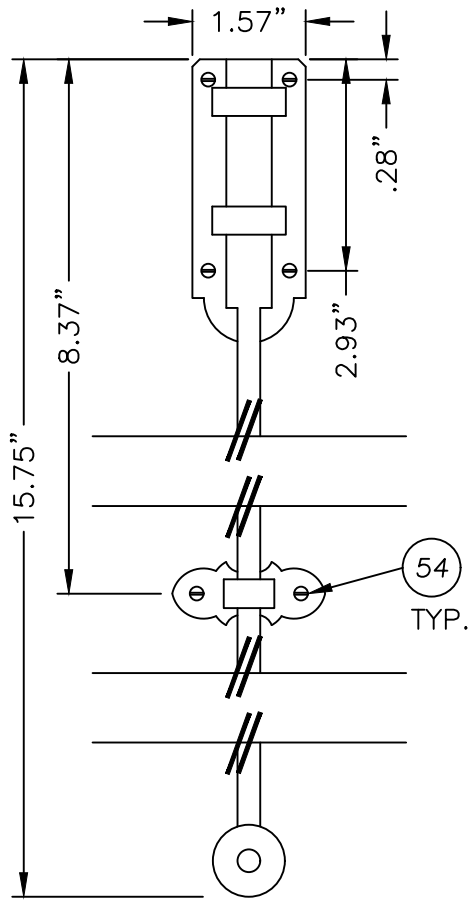
SURFACE BOLT STRIKE DETAIL
Typ. @ head and sill



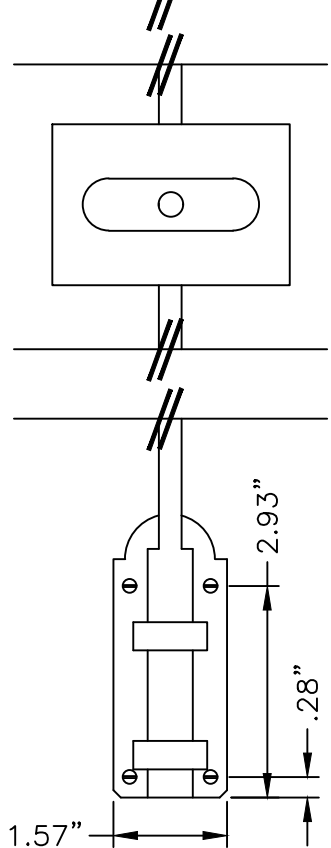
SECTION A-A



56 EUREKO-DECO
Louis V
Surface Bolt



55 EUREKO-DECO
France
Surface Bolt



57 EUREKO-DECO
Cremone
Surface bolt

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CASEMENT WINDOW

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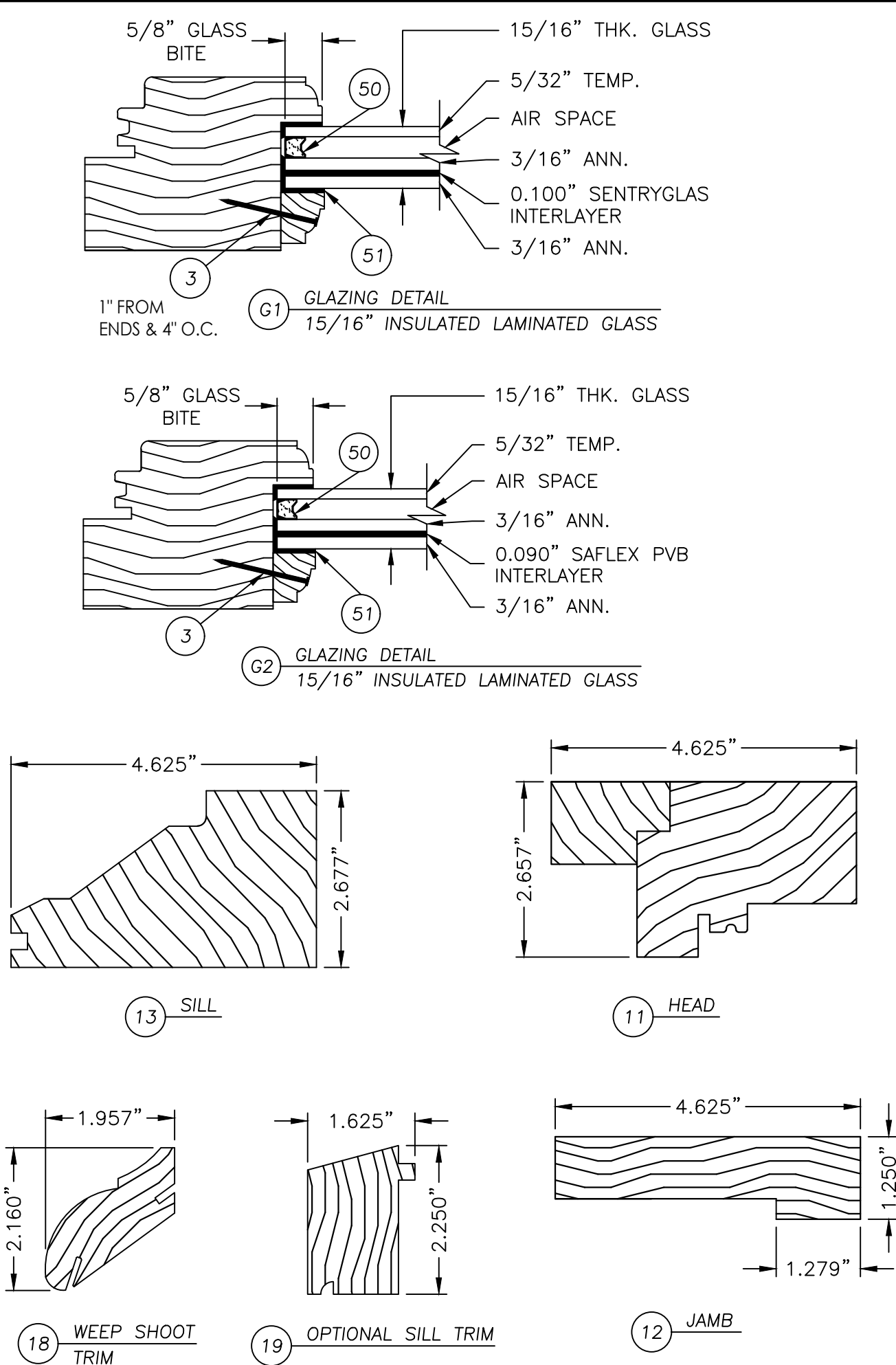
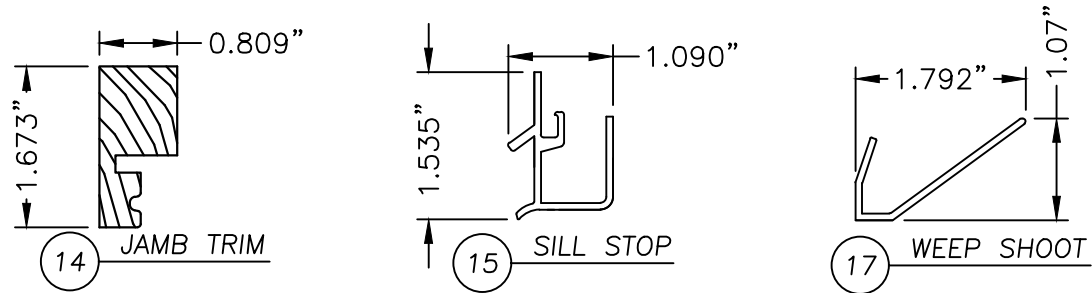
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SHEET 7 OF 8

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1/4" MAX. SHIM SPACE	-
D	LATCH ASSEMBLY ESPAGNOLETTE BY EUREKA-DECO	STEEL
E	LATCH KEEPER	STEEL
F	DECORATIVE WASHER NUT	STEEL
G	5/16"Ø X 3-1/4" (LENGTH FROM CENTER OF EYE TO END) EYE BOLT	STEEL
H	DECORATIVE ALIGNMENT GUIDE	STEEL
J	2X BUCK SG >= 0.55	WOOD
L	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
M	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
N	1/4" X 4" ITW PFH CONCRETE SCREW	STEEL
1	STILE & RAIL	WOOD
2	GLASS STOP	WOOD
3	.06" X 1-1/2" BRAD NAIL	STEEL
11	HEAD SG >= 0.42	WOOD
12	JAMB SG >= 0.42	WOOD
13	SILL SG >= 0.42	WOOD
14	JAMB TRIM	WOOD
15	SILL STOP	ALUMINUM
16	WEATHERSTRIP	FOAM
17	WEEP SHOOT	ALUMINUM
18	WEEP SHOOT TRIM	WOOD
19	OPTIONAL SILL TRIM	WOOD
20	10d FINISH NAIL 3" (1" MIN. EMBEDMENT)	STEEL
21	#10 X 2" PFH SMS	STEEL
22	HINGE	BRASS
23	#10 X 3" PFH WOOD SCREW (1" MIN. EMBEDMENT)	STEEL
24	#10 X 4" PFH WOOD SCREW (1.25" MIN. EMBEDMENT)	STEEL
25	#10 X 1" PPH SMS	STEEL
40	ASTRAGAL	WOOD
41	#6 X 1-1/2" SQUARE FLAT HEAD	STEEL
45	ASTRAGAL STRIKE PLATE @ HEAD & SILL	STEEL
46	LATCH PIN	STEEL
50	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL
51	DOW 995 STRUCTURAL GLAZING COMPOUND	-
52	#10 X 1-1/2" PFH SMS	STEEL
53	SURFACE BOLT STRIKE PLATE @ HEAD & SILL	SS
54	#7 X 1-3/4" PFH SMS	STEEL
55	EUREKA-DECO FRANCE SURFACE BOLT	STEEL
56	EUREKA-DECO LOUIS V SURFACE BOLT	STEEL
57	EUREKA-DECO CREMONE SURFACE BOLT	STEEL



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PRODUCT: BRANNEN MILLWORK CASEMENT WINDOW		PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS	
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SHEET 8 OF 8			