

MILLWORK ARTISANS

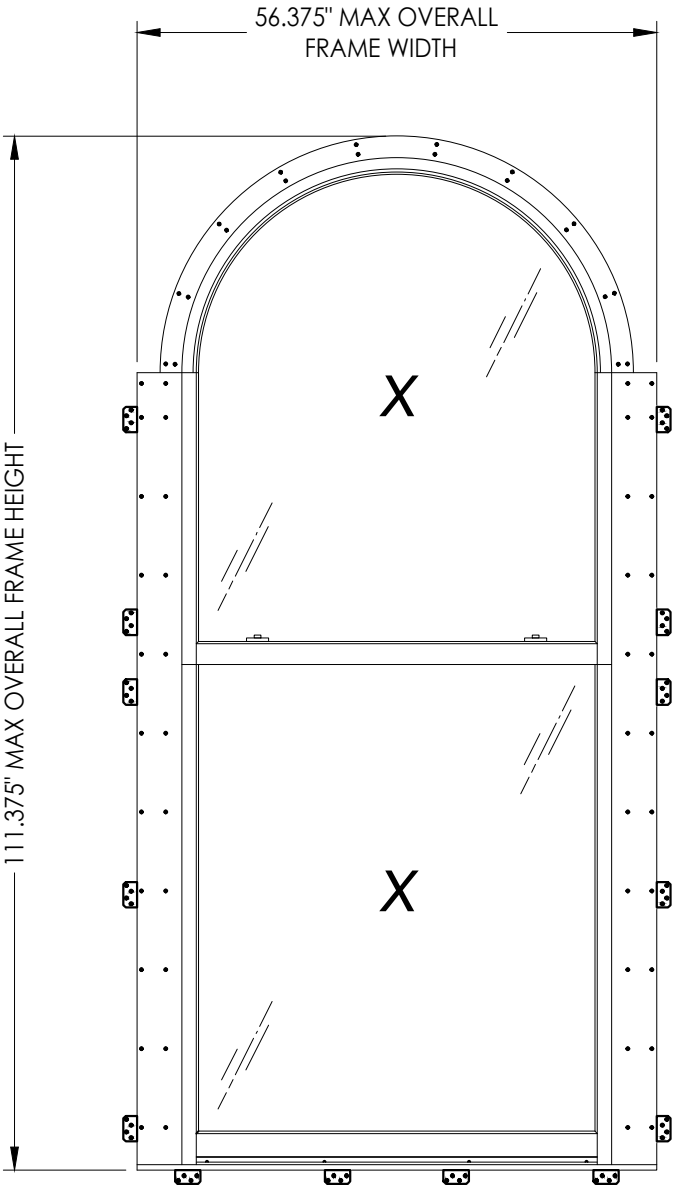
145 KING STREET
CHARLESTON, SC 29401

ARCH DOUBLE HUNG WINDOW
w/ Weight and Chain
"IMPACT"

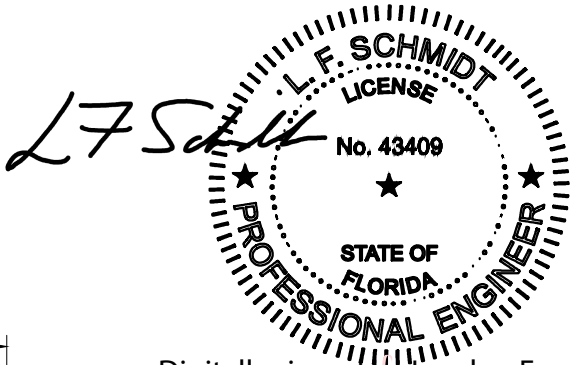
GENERAL NOTES

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 FBC Section 1626 and does not require an impact resistant covering.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. All window frame wood to be Sapele (Specific Gravity = 0.55).
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	Frame details
5	Buck and frame anchoring
6	Components
7	Bill of materials, glazing details and components



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
51.375" x 111.375"	43.0" x 50.5"	G1	+50.0	-50.0
		G2	+60.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.09.14 16:46:46 -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:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

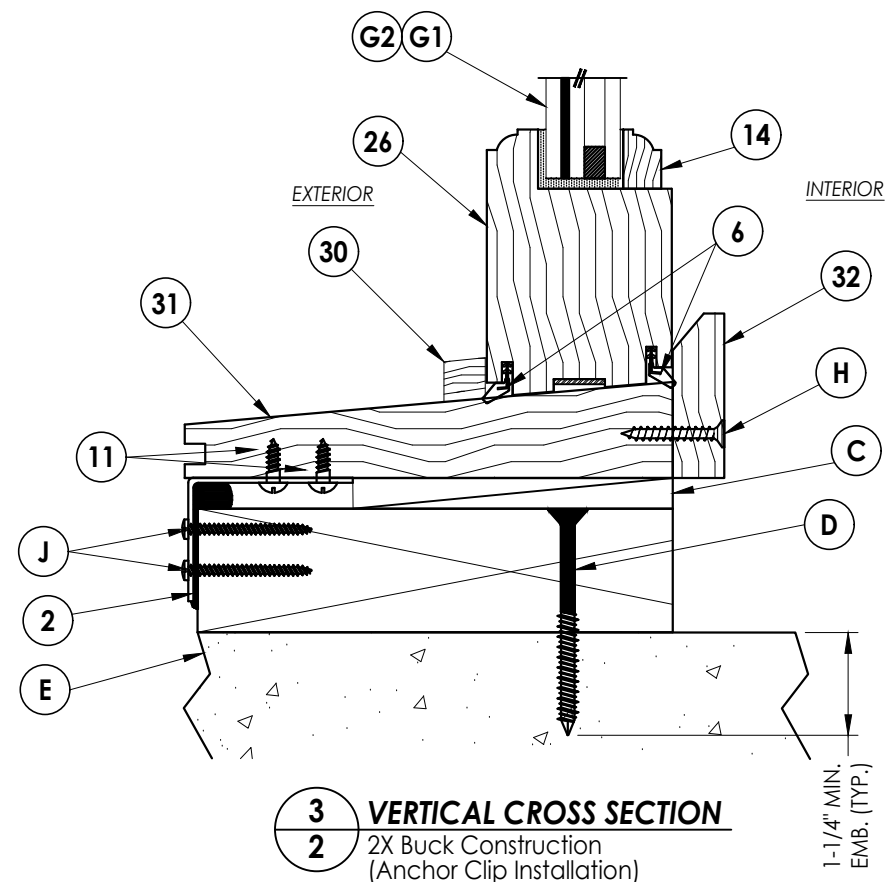
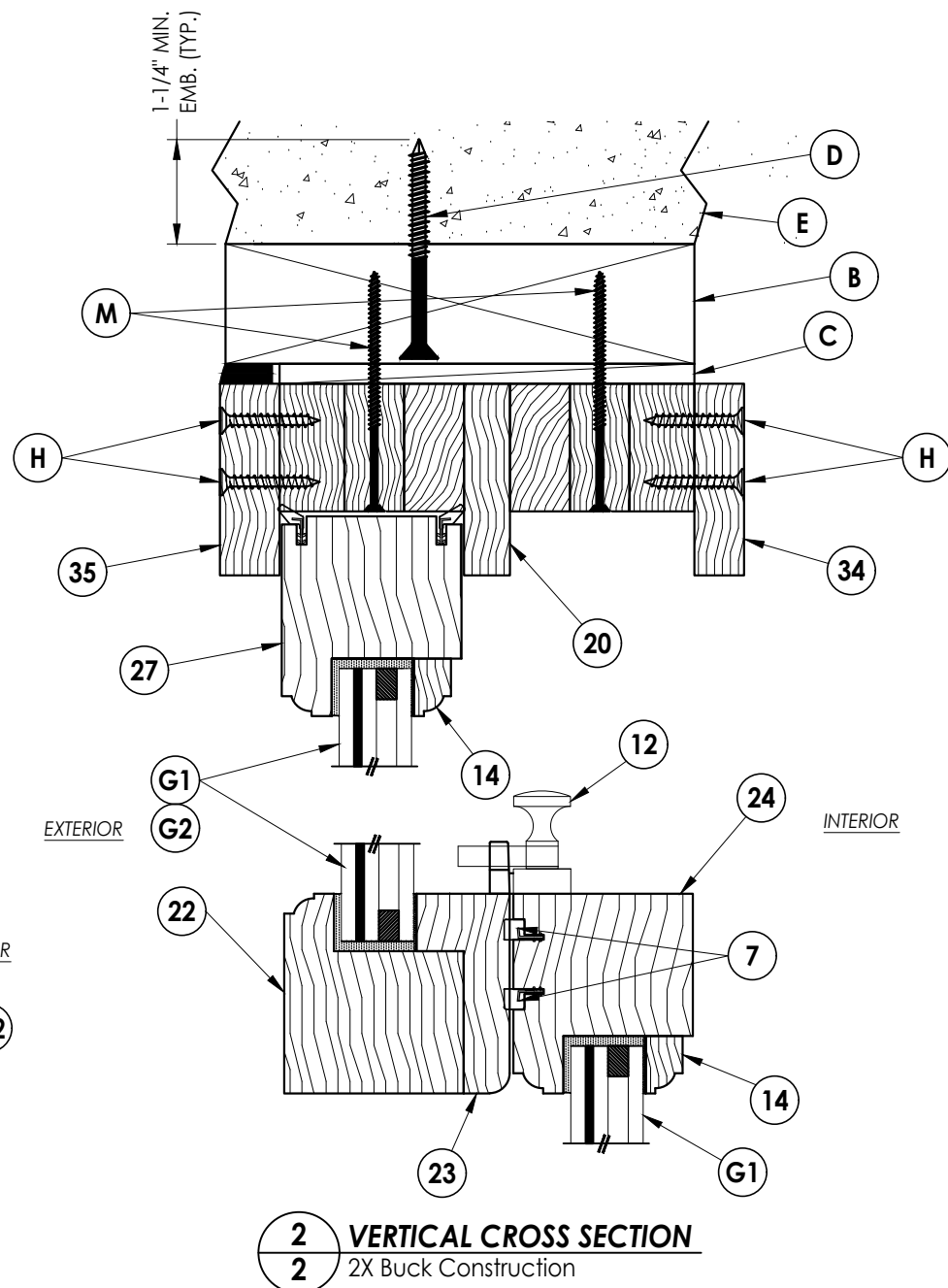
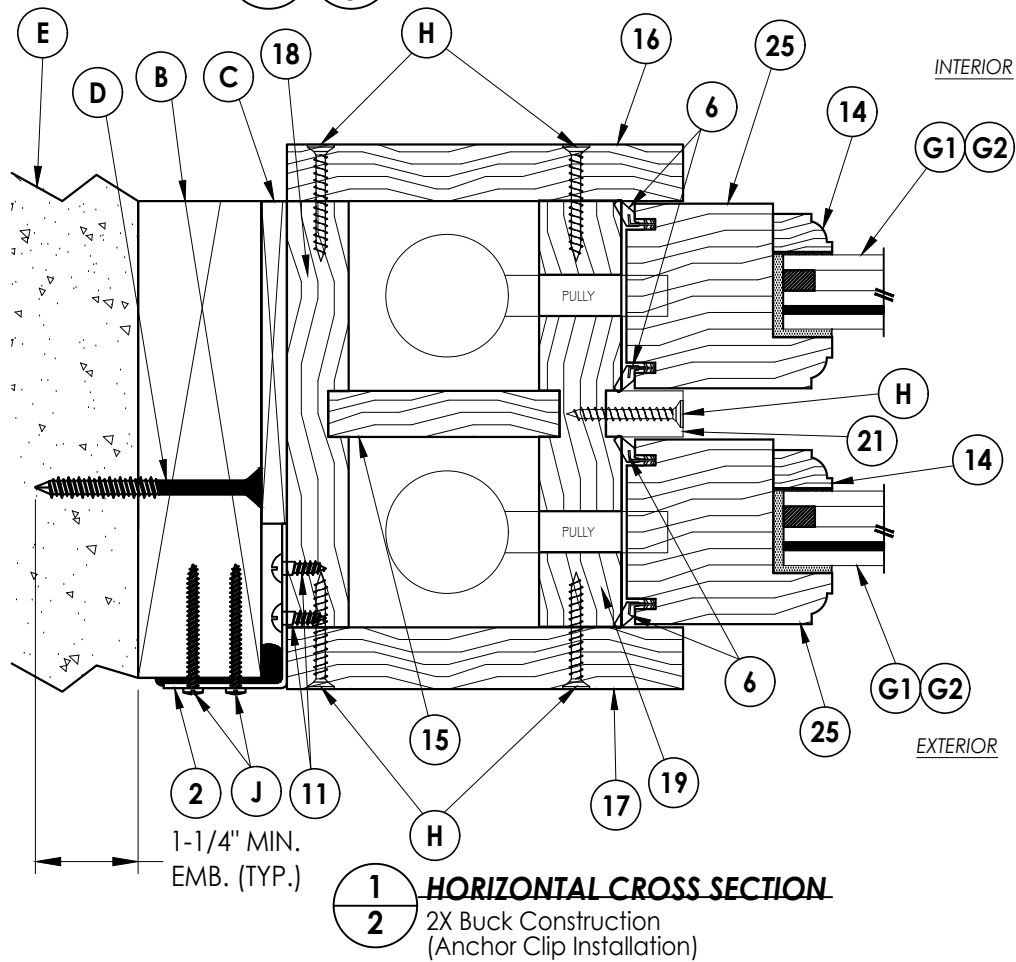
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

4	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK
1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE	REVISIONS		

DATE: 5/7/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17038.12
SHEET 1 OF 7

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

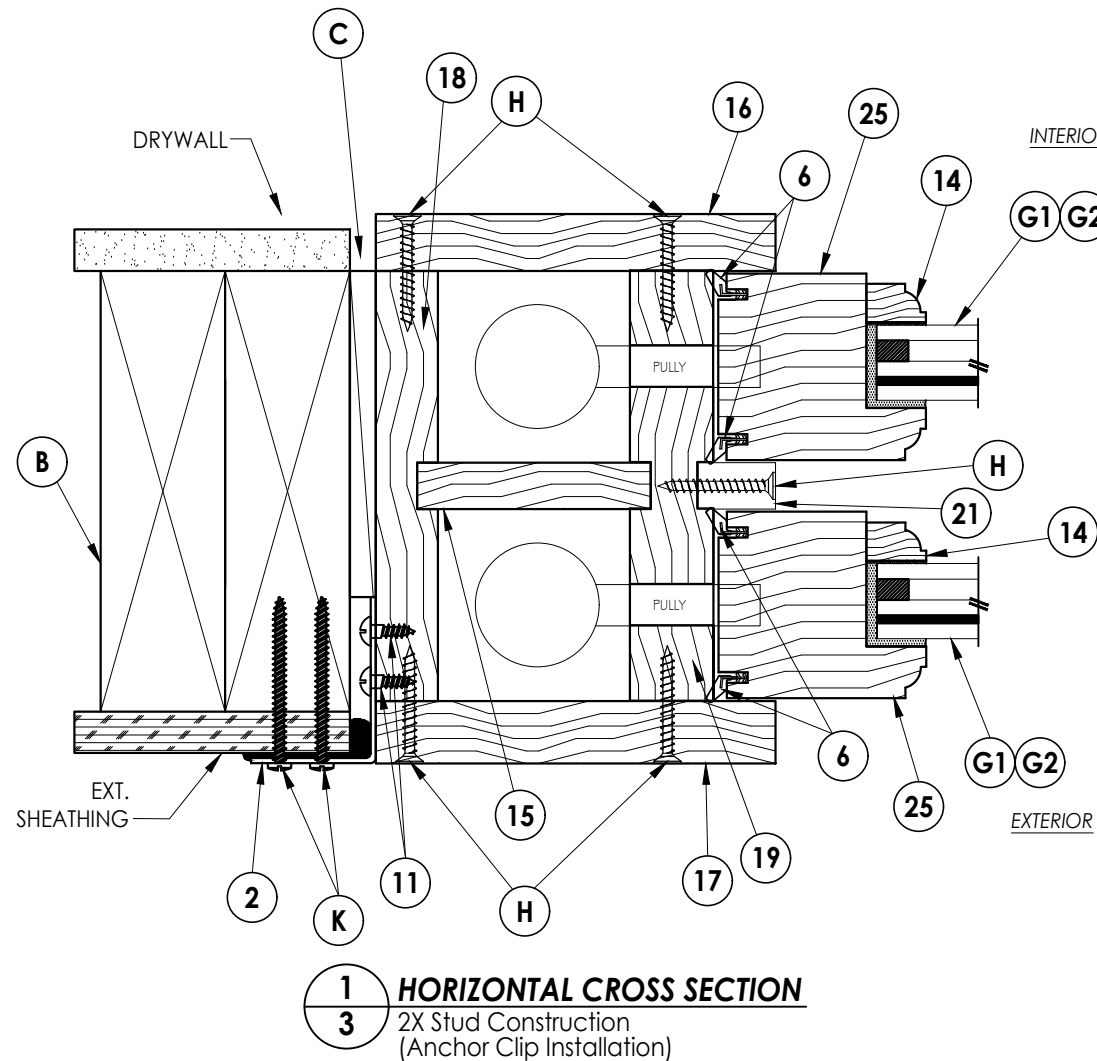
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CHK. BY: LFS					
DRAWING NO.: FL-17038.12					
SHEET 2 OF 7					

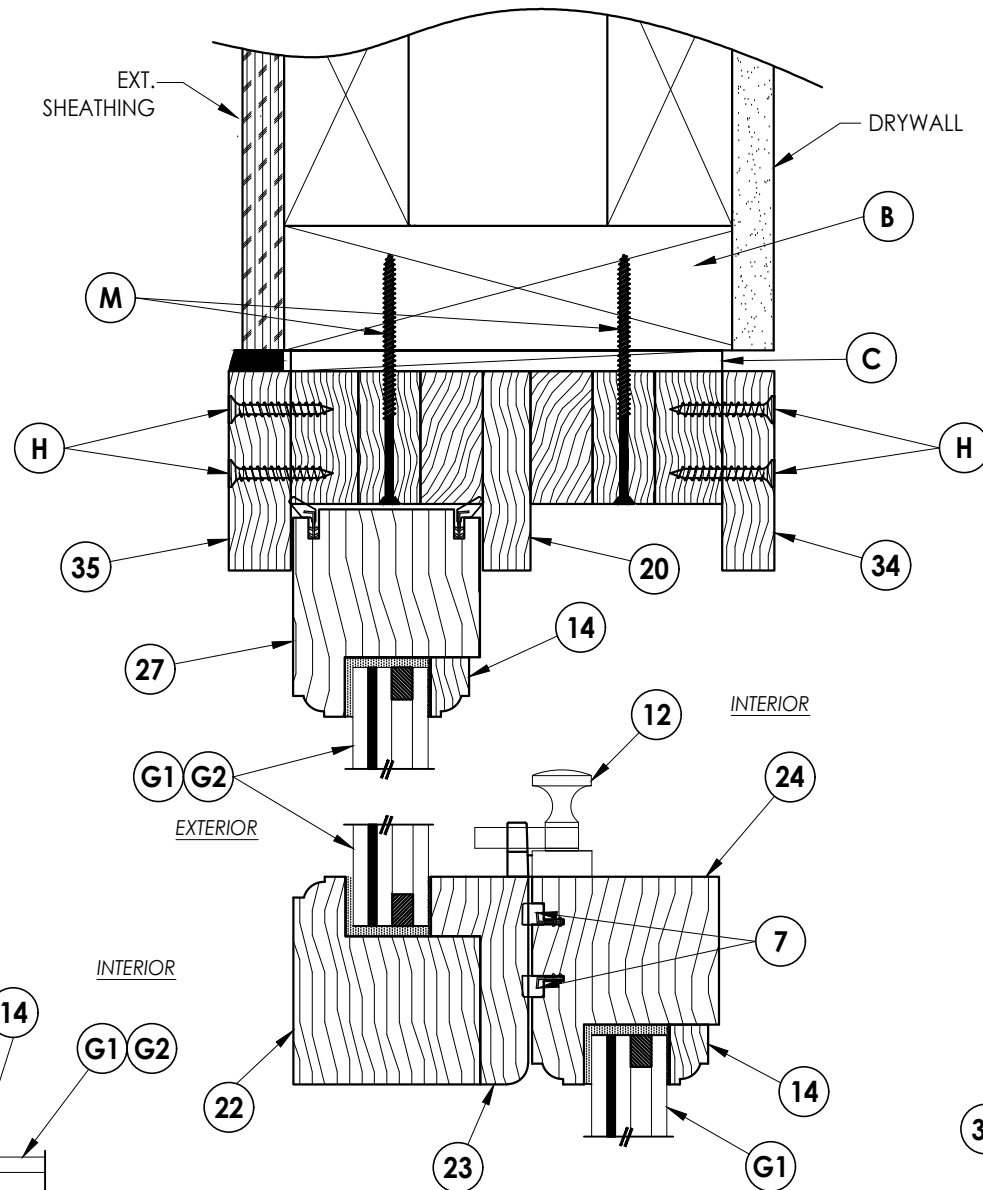
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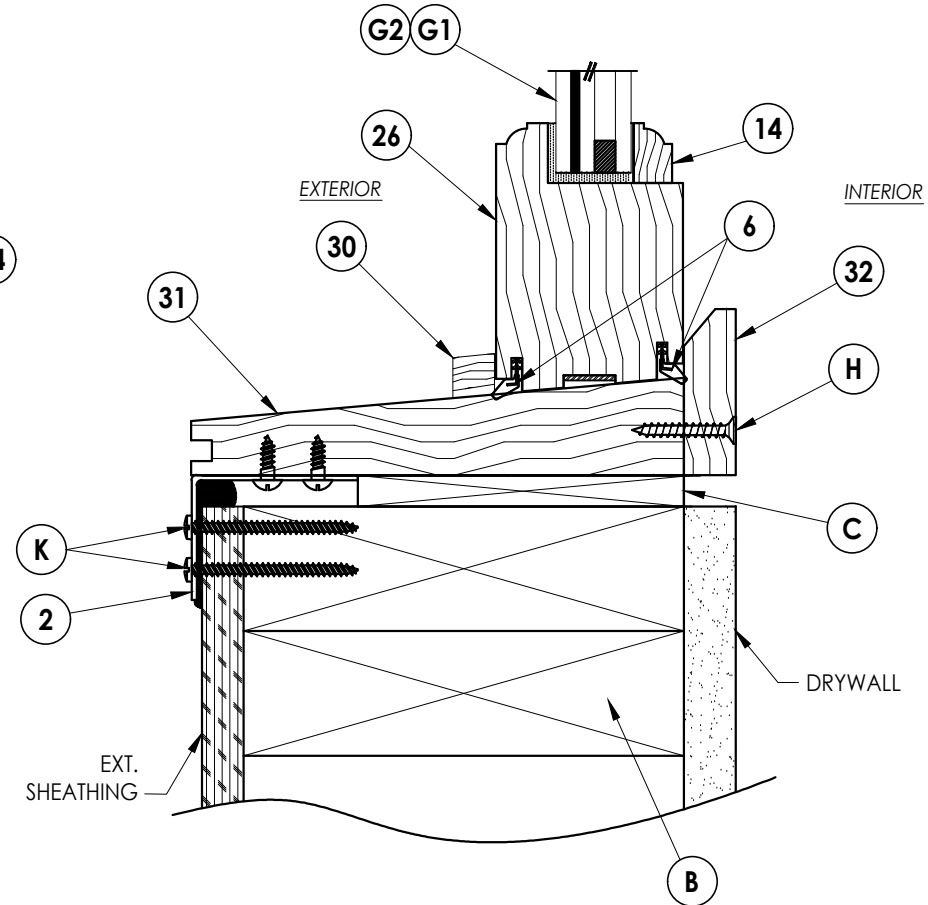


1 **HORIZONTAL CROSS SECTION**

3 2X Stud Construction (Anchor Clip Installation)



2 VERTICAL CROSS SECTION
3 2X Stud Construction



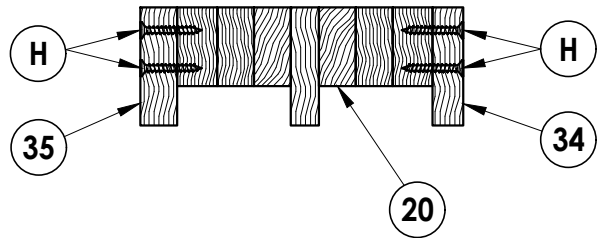
3 VERTICAL CROSS SECTION
2X Stud Construction
(Anchor Clip Installation)

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					REVISIONS	
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CHK. BY: LFS						
DRAWING NO.: FL-17038.12						
SHEET 3 OF 7						

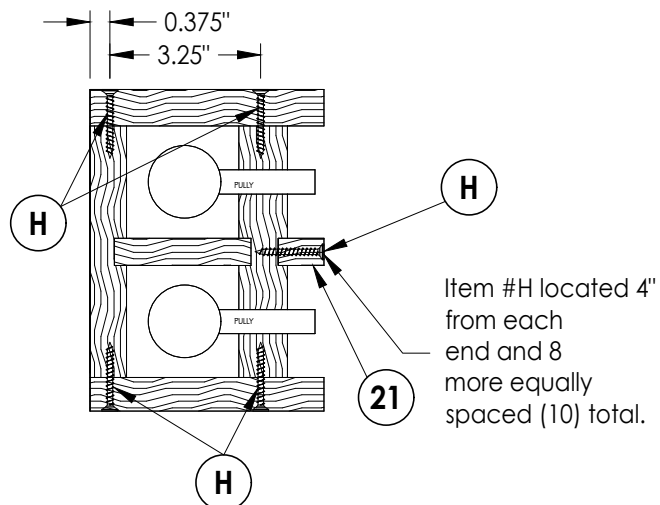
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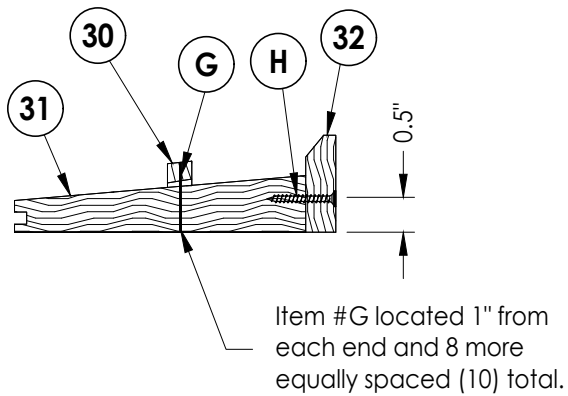
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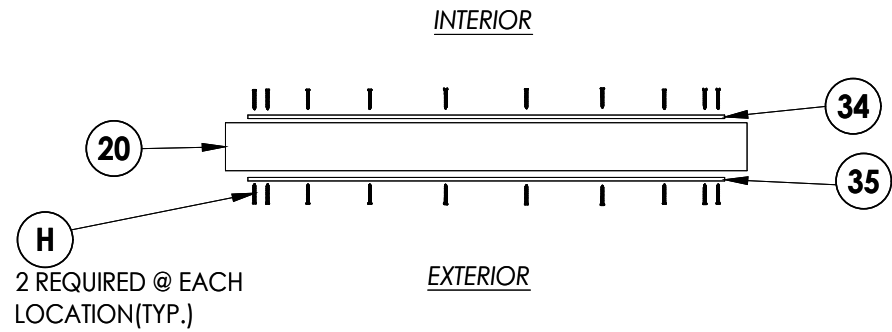
SECTION A-A



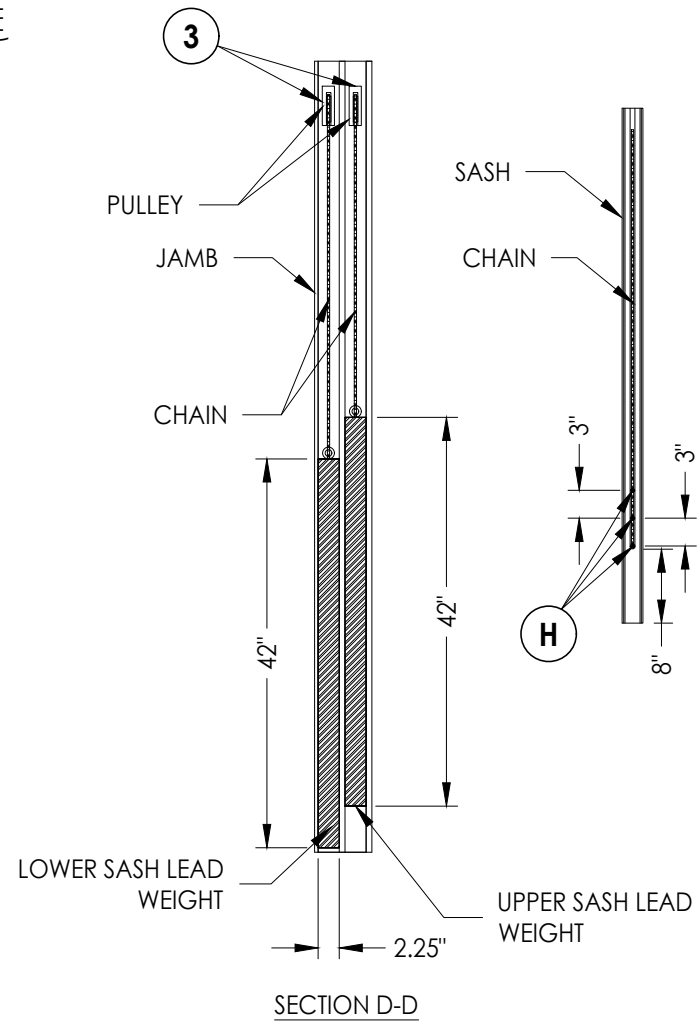
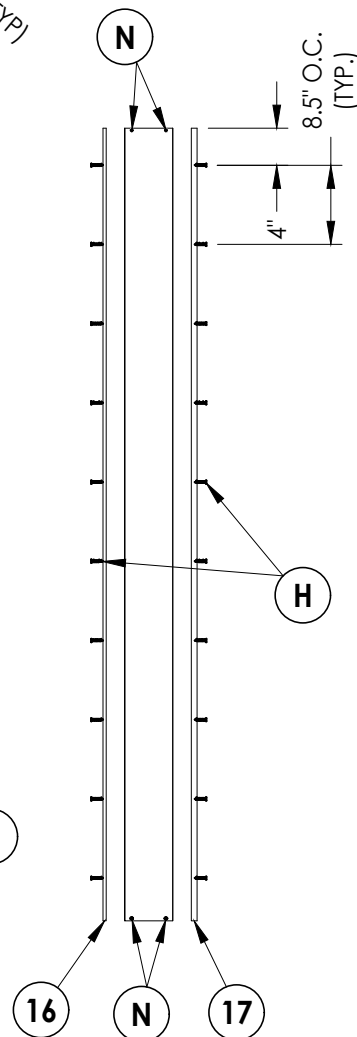
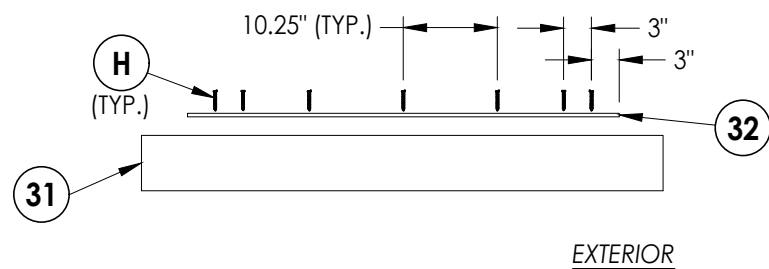
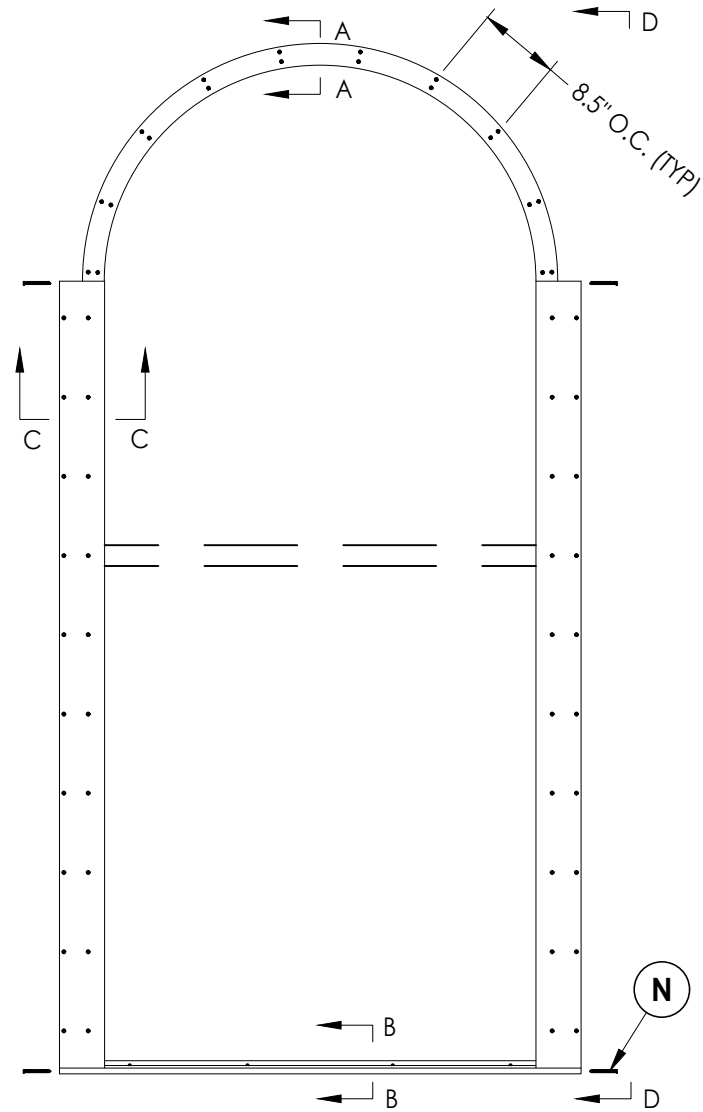
SECTION C-C



SECTION B-B



2 REQUIRED @ EACH LOCATION(TYP.)



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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
FRAME DETAILS

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
4	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
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DWG. BY: JK

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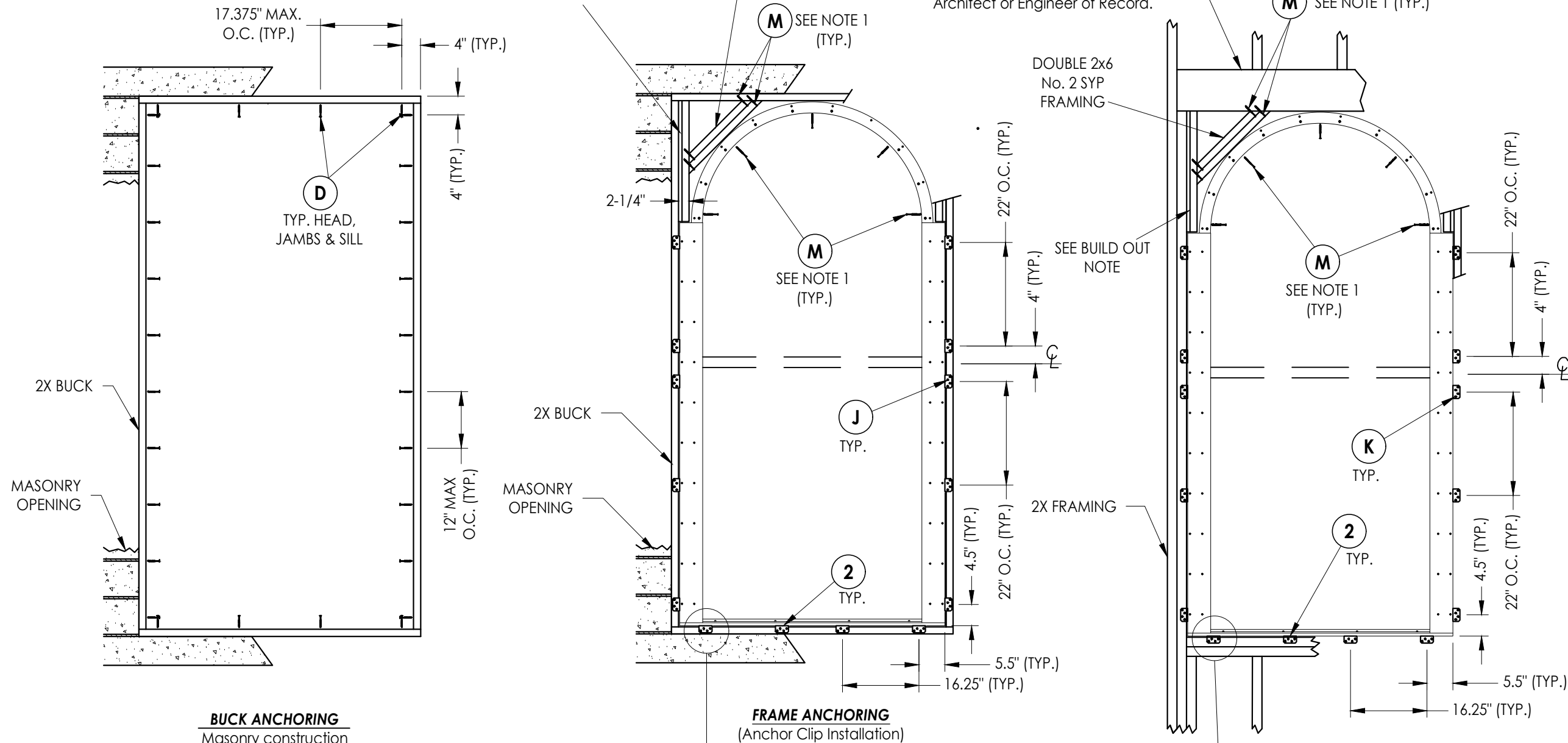
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FL-17038.12

SHEET 4 OF 7

BUILD OUT NOTE:

BUILD OUT 2-1/4" (w/ 1x6 & 2x6 No. 2 SYP FRAMING). ATTACH TO 2X BUCK w/ 2 ROWS OF #10 x 3-1/2" FH WOOD SCREWS, EACH ROW SPACED 12" o.c. FOR FULL LENGTH OF BUILD OUT.



BUCK ANCHORING
Masonry construction

FRAME ANCHORING
(Anchor Clip Installation)

FRAME ANCHORING
(Anchor Clip Installation)

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 BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA CON+®	1/4"	1-1/4"	1"	4"

WOOD SCREW/NAIL INSTALLATION NOTES:

- Maintain a minimum 3/8" edge distance, 3/4" end distance, & 3/4" o.c. spacing of wood screws/nails to prevent the splitting of wood.

NOTE:

- Two (2) anchors required at each location shown at jambs.

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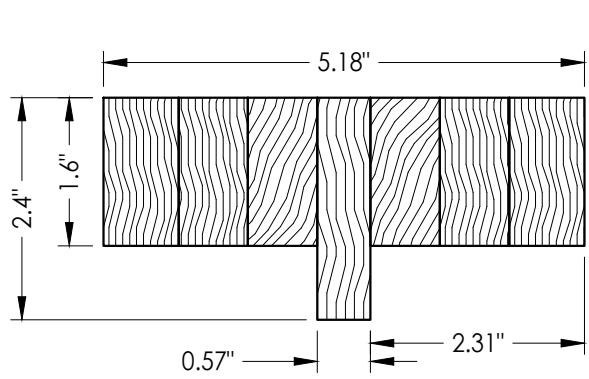
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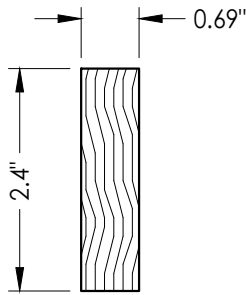
SHEET 5 OF 7

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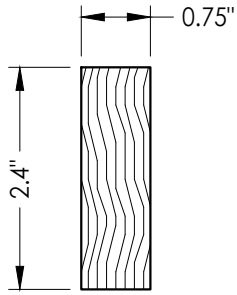
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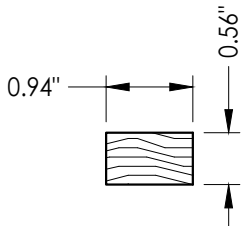
20 FRAME HEADER



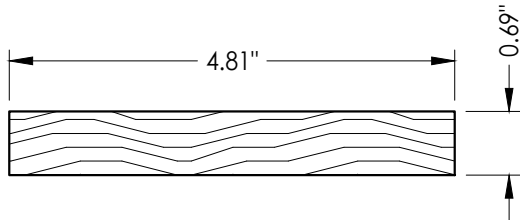
34 HEADER INTERIOR SASH STOP



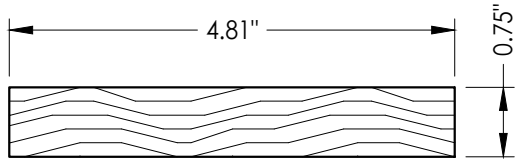
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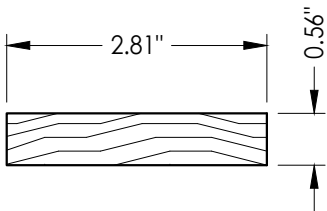
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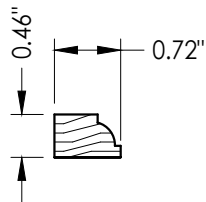
16 JAMB INTERIOR SASH STOP



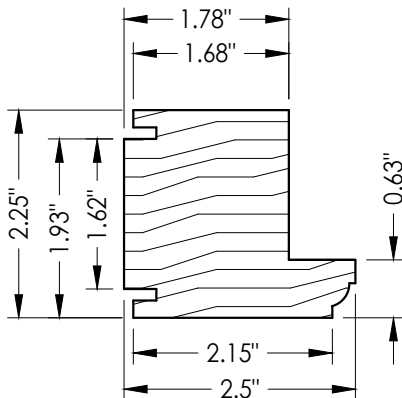
17 JAMB EXTERIOR SASH STOP



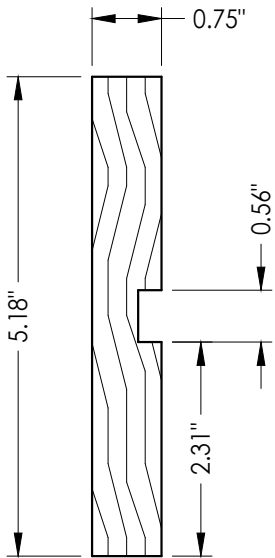
15 JAMB CONNECTOR



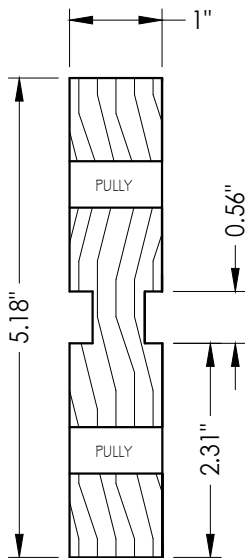
14 GLAZING STOP



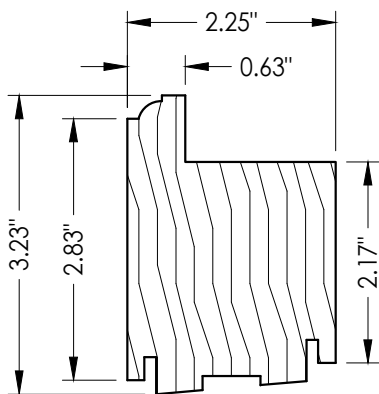
25 SASH STILE



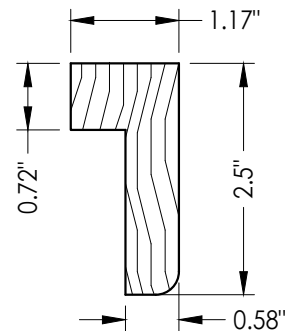
18 JAMB EXTERIOR



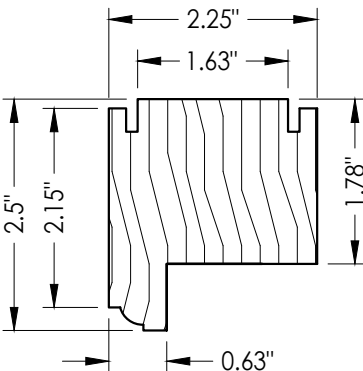
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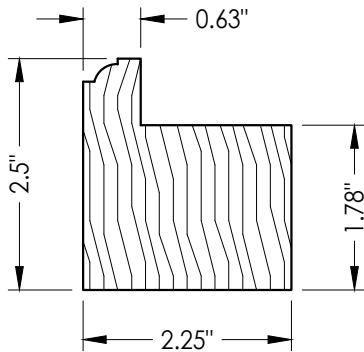
26 BOTTOM SASH BOTTOM RAIL



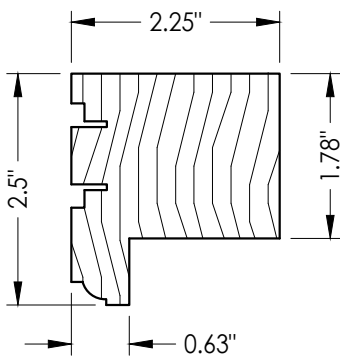
23 MEETING RAIL



27 TOP SASH TOP RAIL



22 TOP SASH BOTTOM RAIL



24 BOTTOM SASH TOP RAIL

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DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
COMPONENTS

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DRAWING NO.: FL-17038.12
SHEET 6 OF 7

