

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 excluding 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.

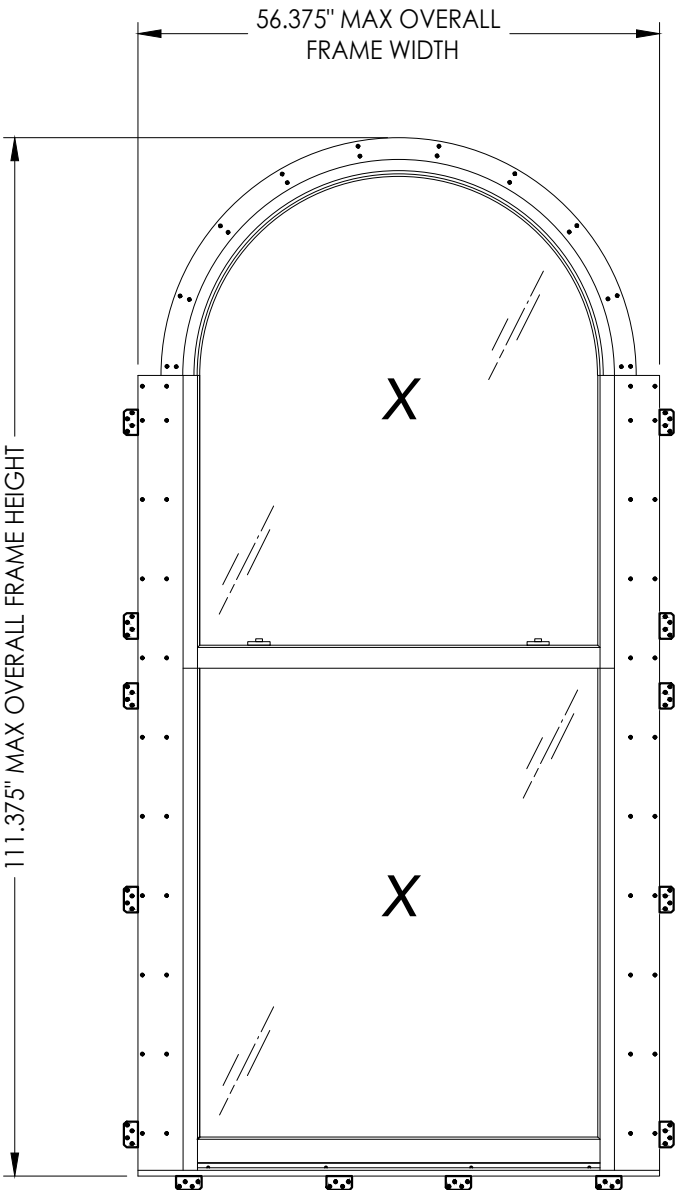
When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4.

For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5.

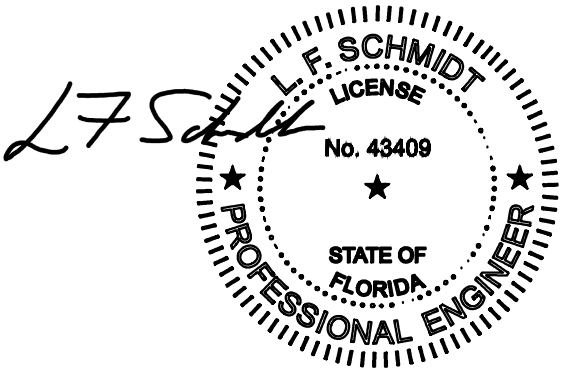
All window frame wood to be Sapele (Specific Gravity = 0.55).
6.

Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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 16:47:52 -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
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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

REVISIONS

NO.	DATE	BY
4	9/14/23	LFS
3	9/29/20	LFS
2	10/3/17	JK
1	3/03/15	JK

DATE: 5/7/14

SCALE: N.T.S.

DWG. BY: JK

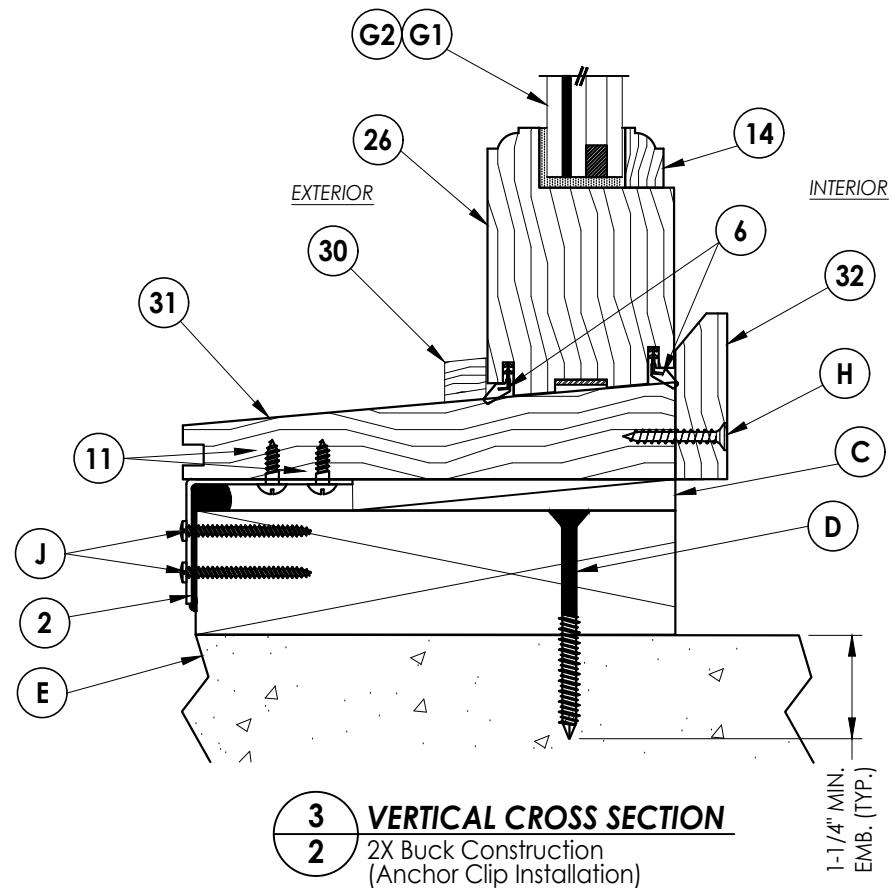
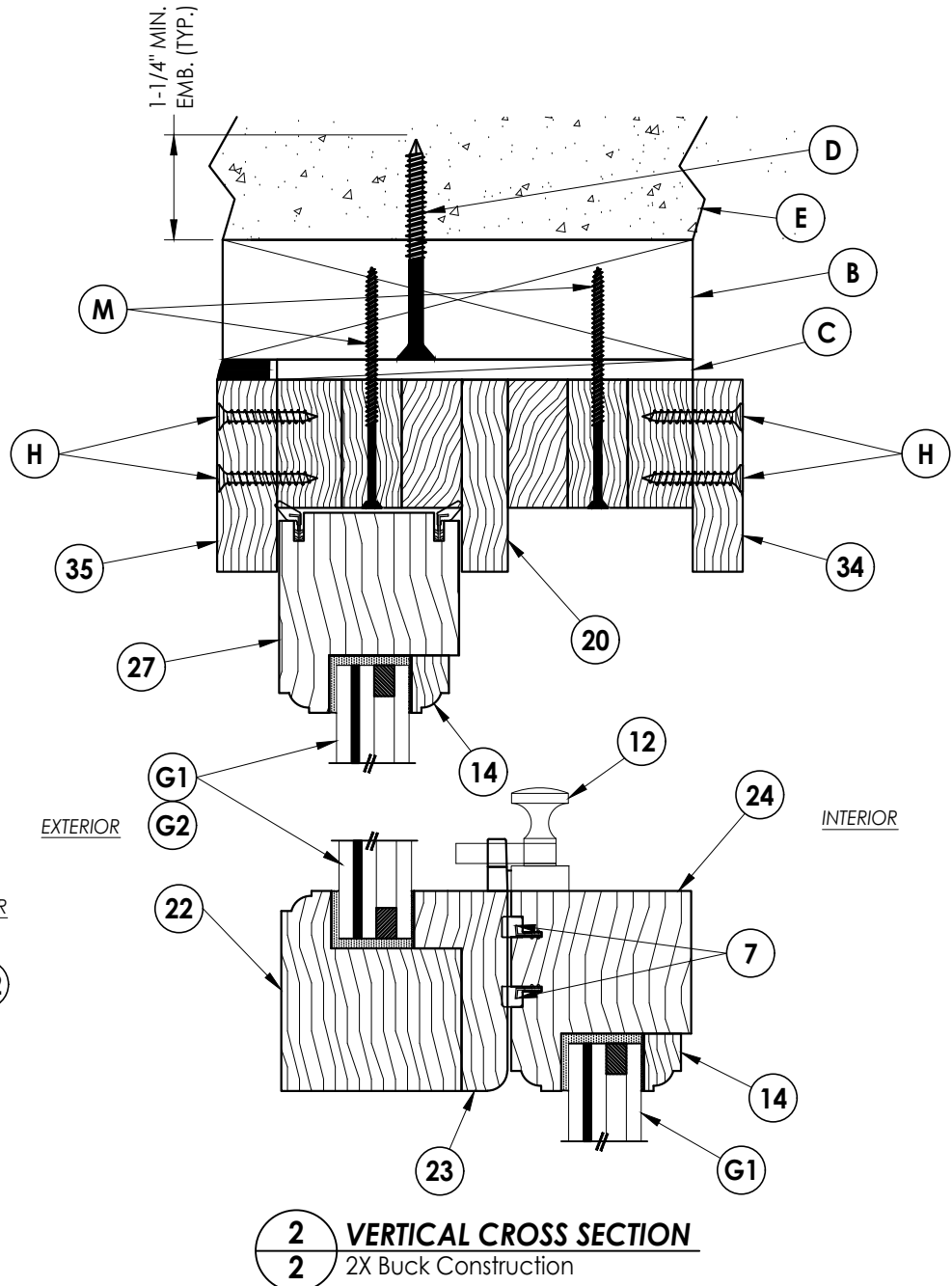
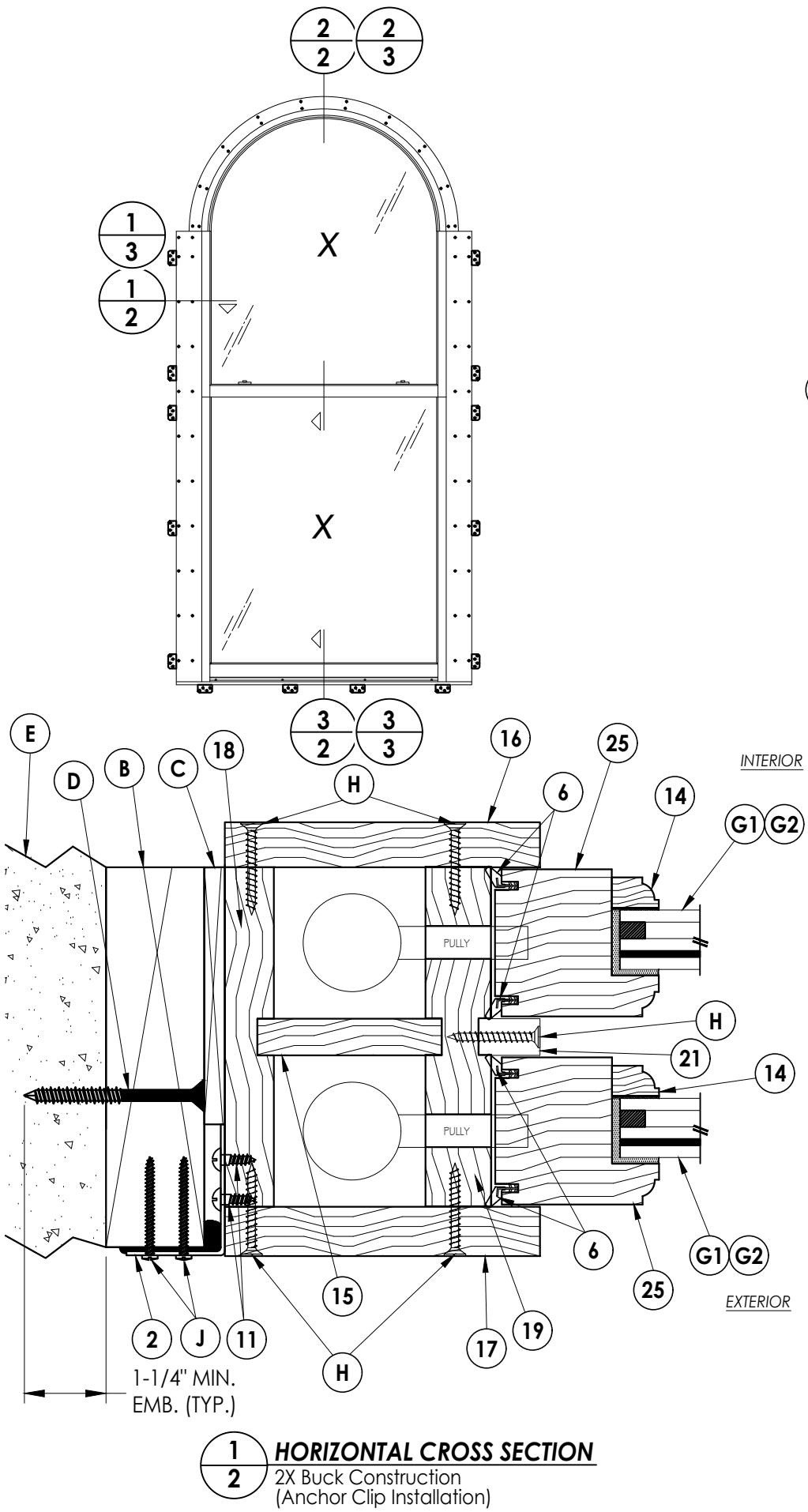
CHK. BY: LFS

DRAWING NO.: FL-17038.10

SHEET 1 OF 7

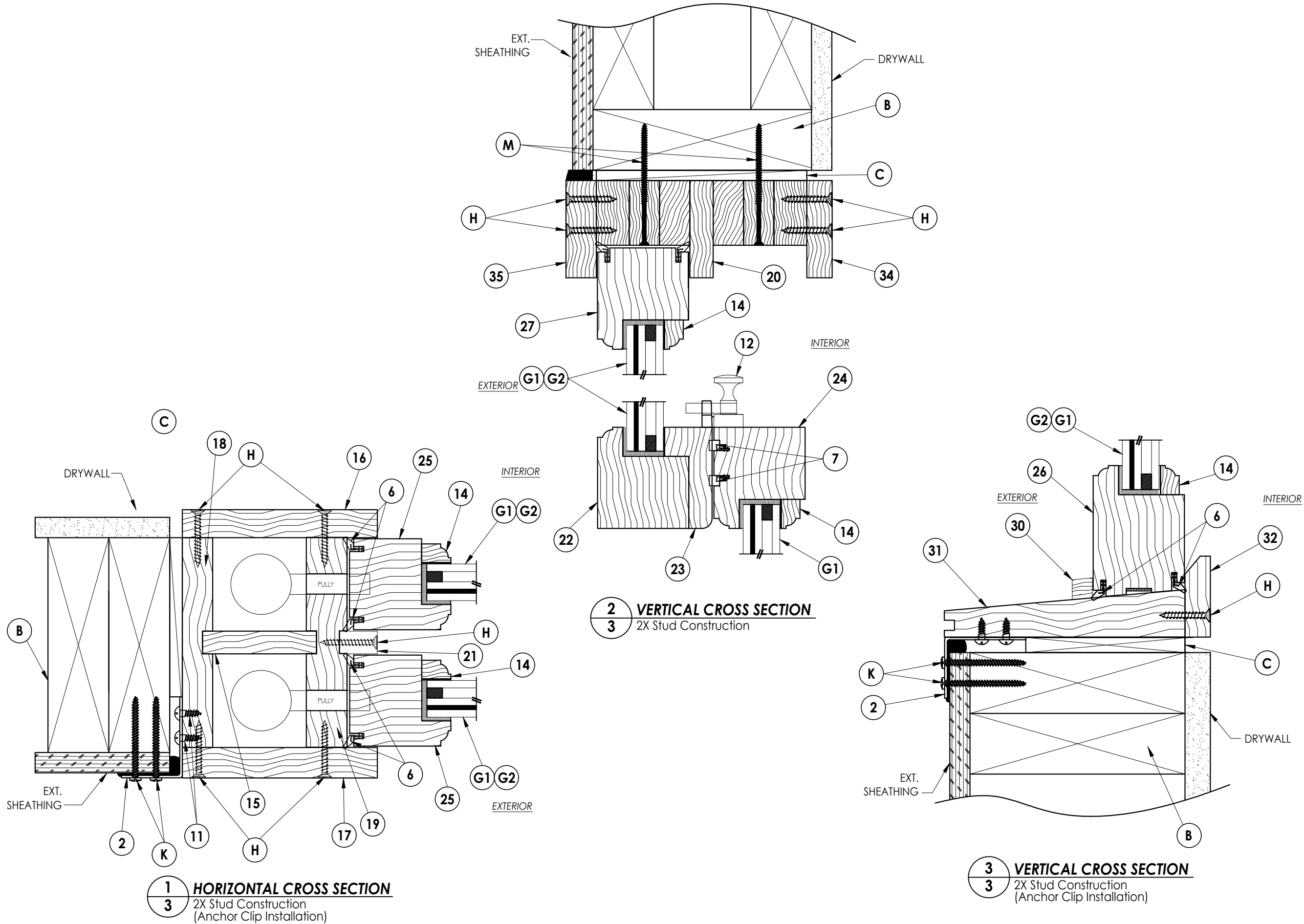
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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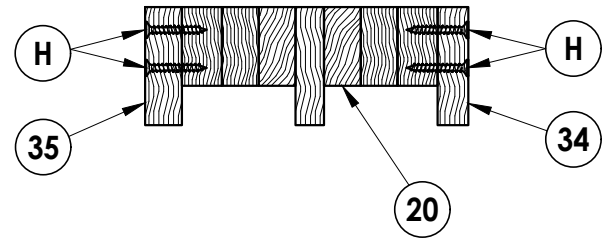


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CHK. BY: LFS					
DRAWING NO.: FL-17038.10					
SHEET	2	OF	7		
				REVISONS	
NO.	DATE				BY
4	9/14/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
3	9/29/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
2	10/3/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
1	3/03/15	UPDATE TO 5TH ED.	(2014)	FBC	JK
PRODUCT:					
MILLWORK ARTISANS DOUBLE HUNG WINDOW					
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS					
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
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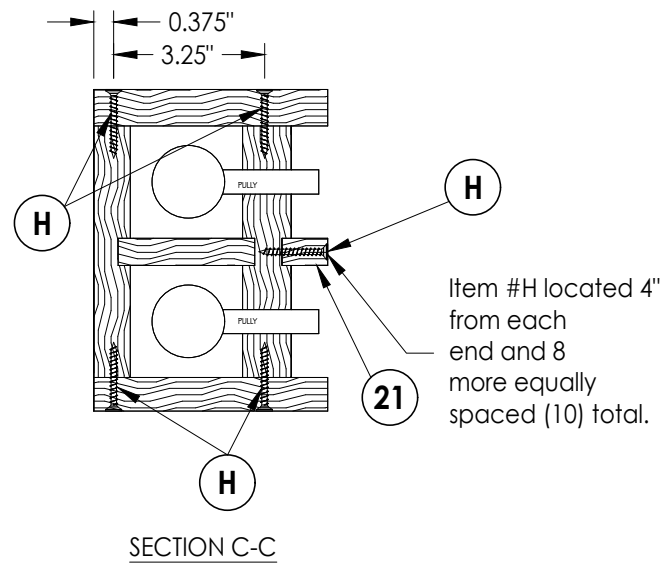
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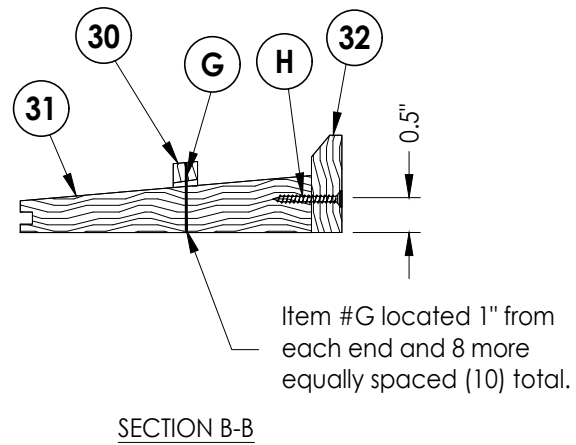
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PRODUCT:		MILLWORK ARTISANS DOUBLE HUNG WINDOW		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		LFS	FBC	LFS	JK
		LFS	FBC	JK	JK
		JK	FBC	JK	BY
		JK	FBC	JK	REVISIONS
		NO.	DATE		
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		1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC
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SCALE:		N.T.S.			
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SHEET		3	OF	7	



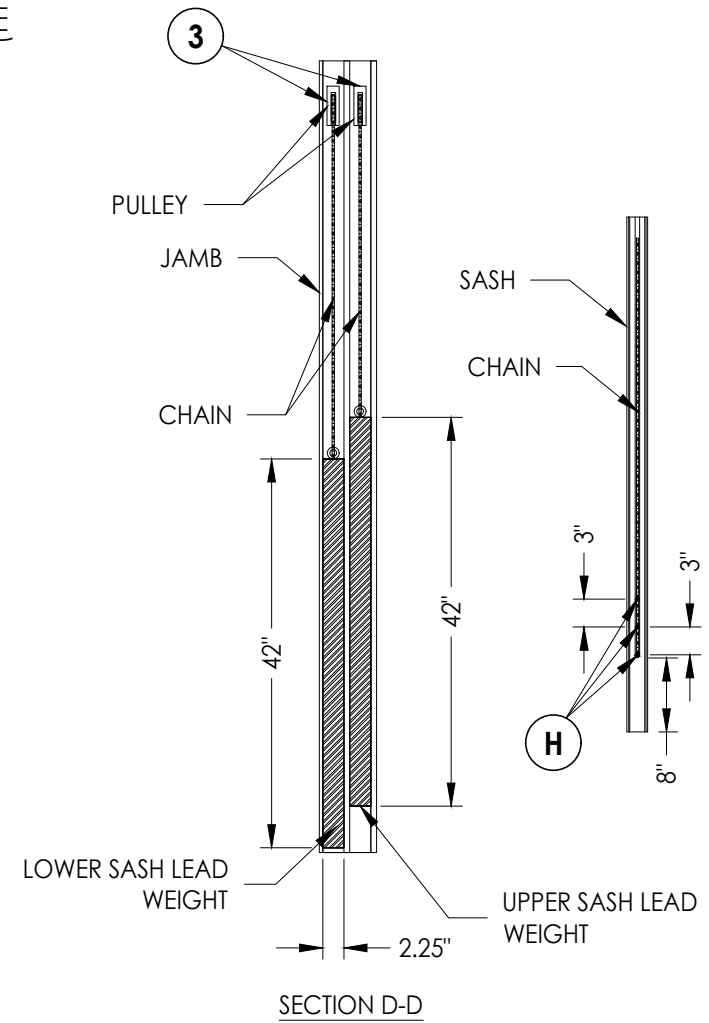
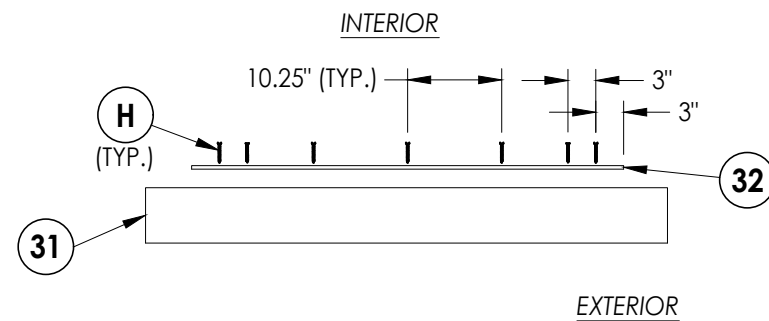
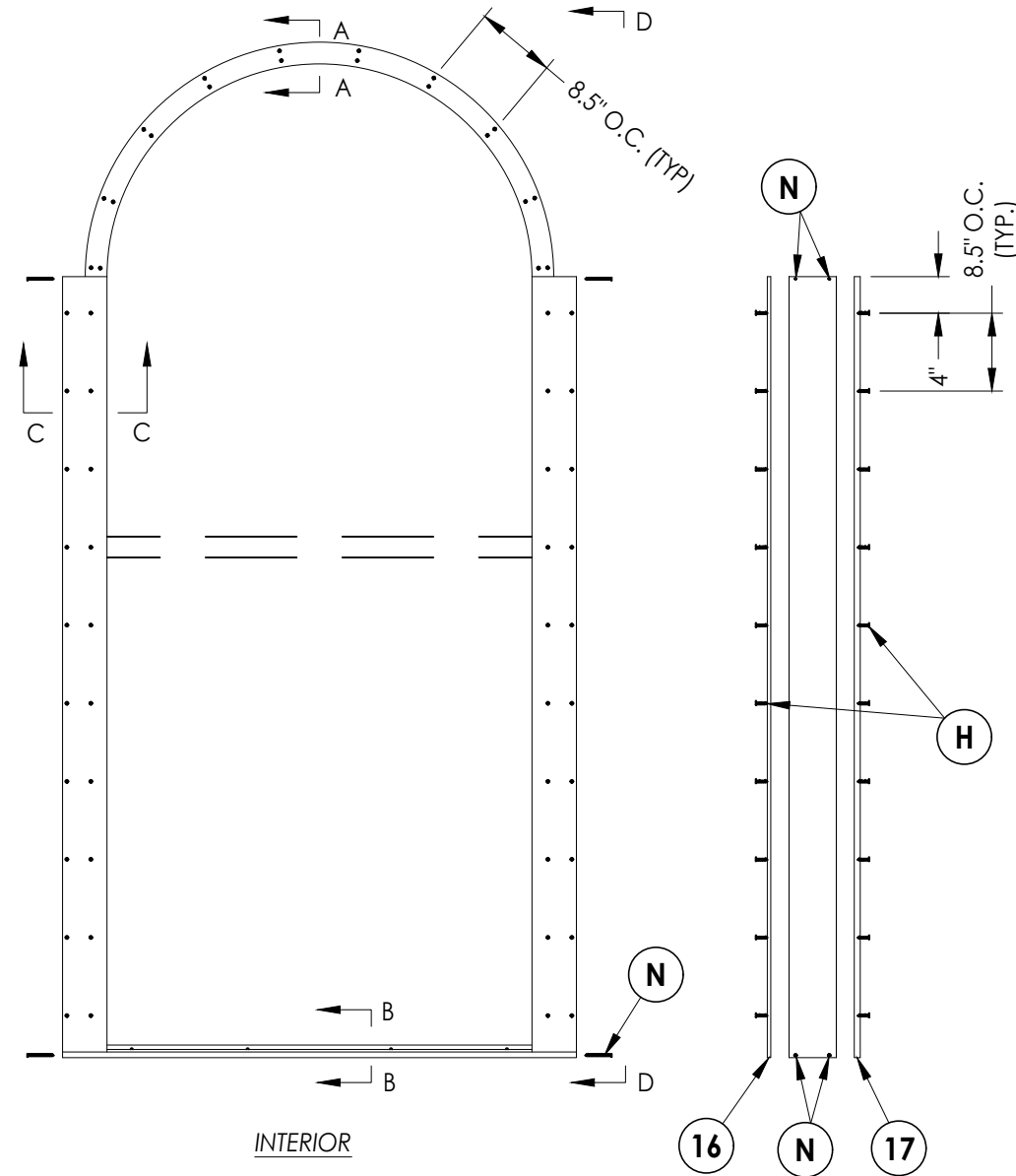
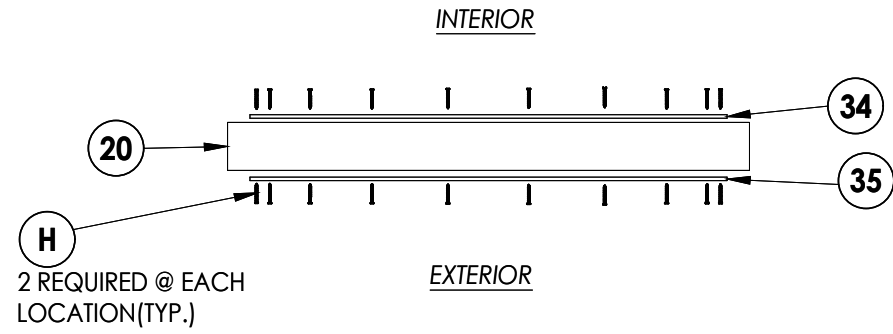
SECTION A-A



SECTION C-C



SECTION B-B



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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1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK		
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					REVISIONS	

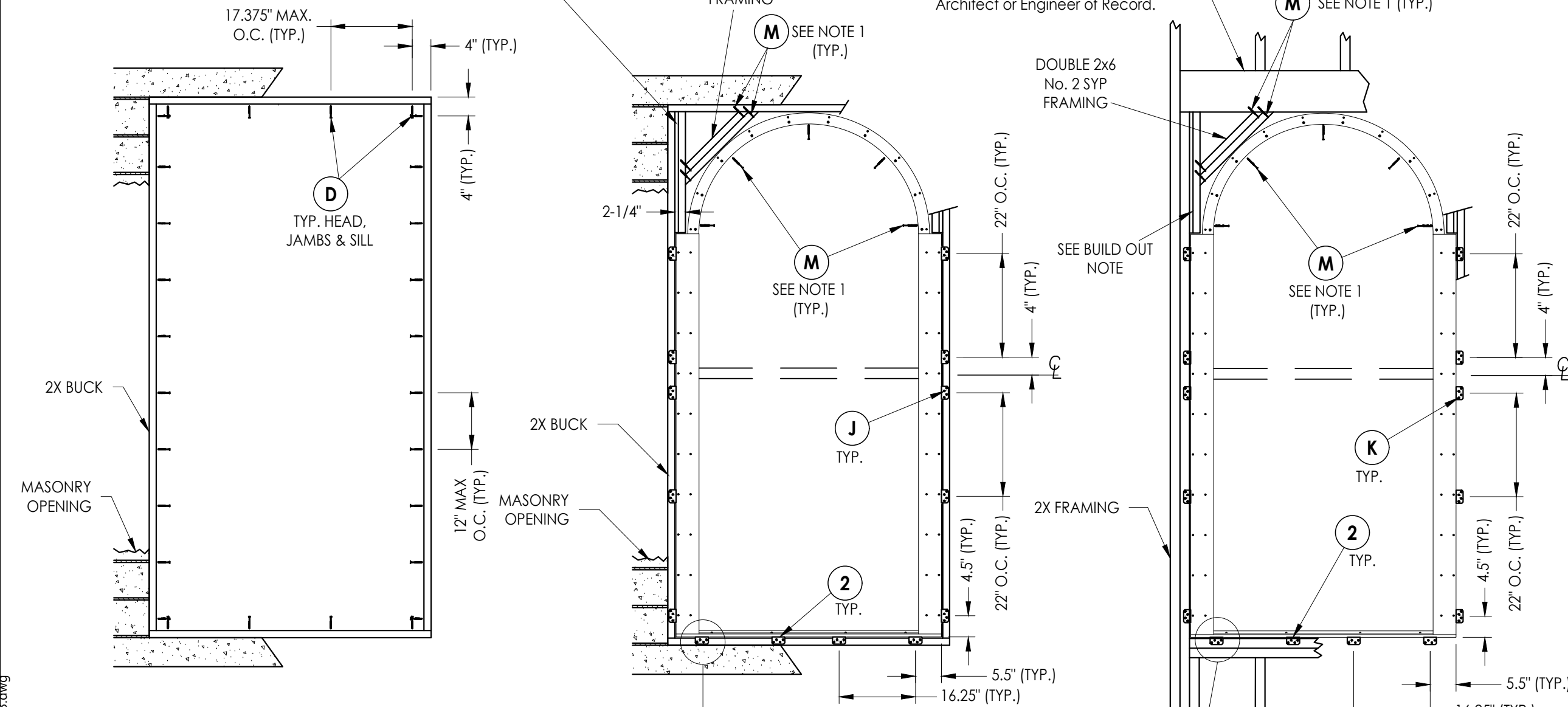
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SHEET	4 OF 7

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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.



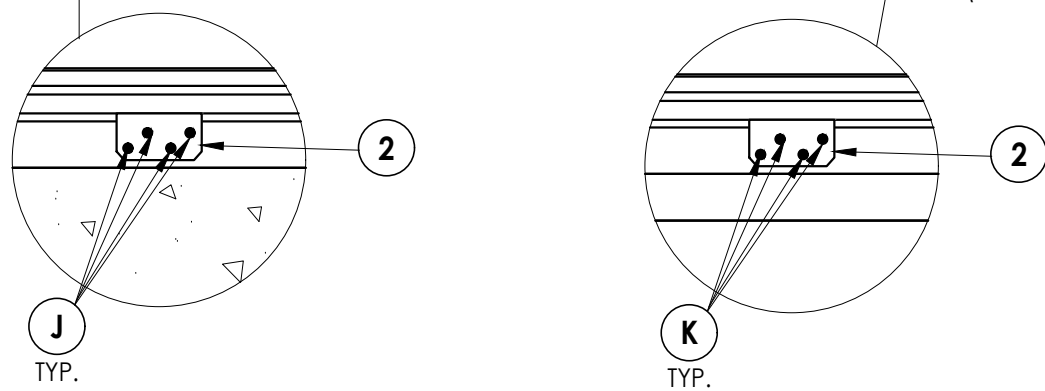
CONCRETE ANCHOR NOTES:

- 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 ULTRACON®	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.



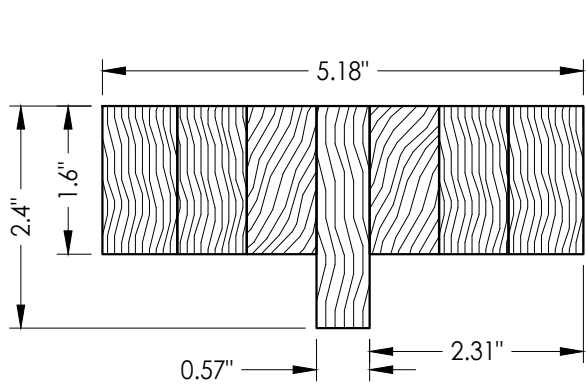
NOTE:
1. Two (2) anchors required at each location shown at jambs.

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		PART OR ASSEMBLY: BUCK & FRAME ANCHORING					
4	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	JK	BY	DATE
3	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	JK		
2	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK			
1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK			
DATE: 5/7/14							
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DWG. BY: JK							
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DRAWING NO.: FL-17038.10							
SHEET 5 OF 7							

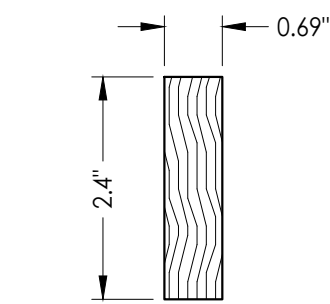
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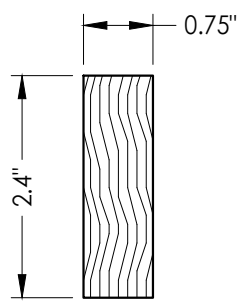
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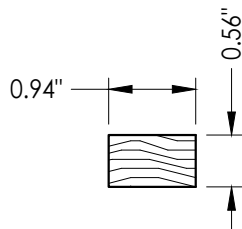
20 FRAME HEADER



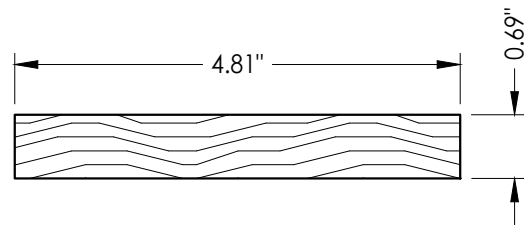
34 HEADER INTERIOR SASH STOP



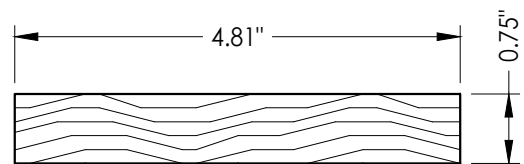
35 HEADER EXTERIOR SASH STOP



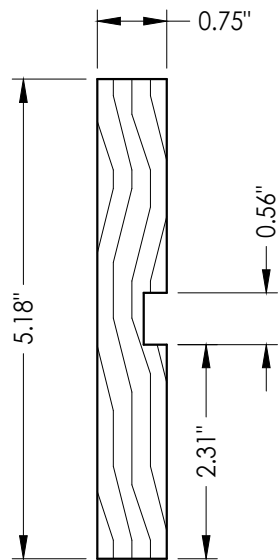
21 PARTING STOP



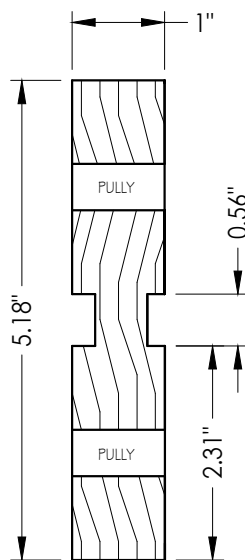
16 JAMB INTERIOR SASH STOP



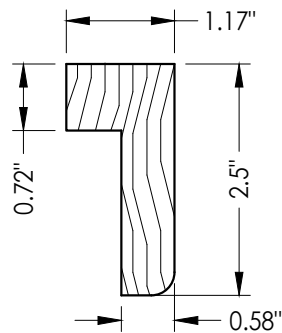
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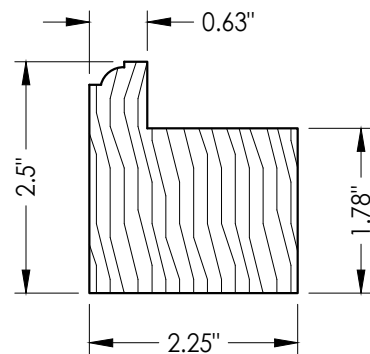
18 JAMB EXTERIOR



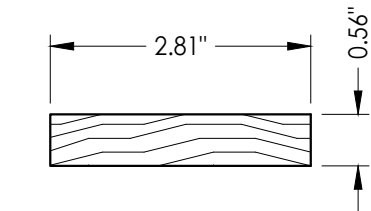
19 JAMB INTERIOR



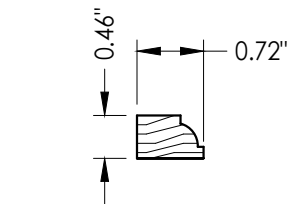
23 MEETING RAIL



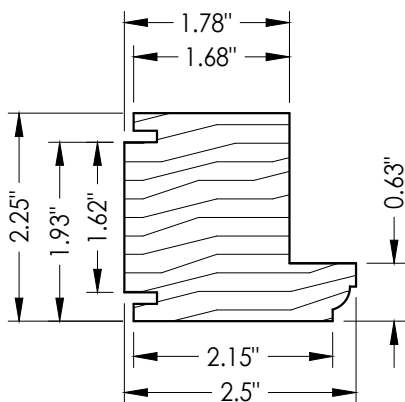
22 TOP SASH BOTTOM RAIL



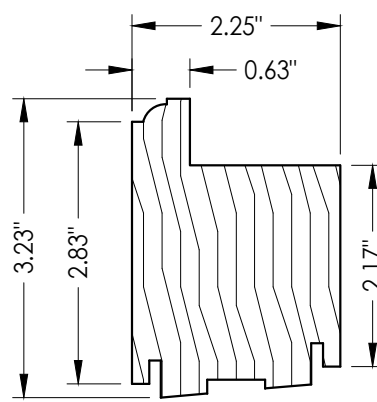
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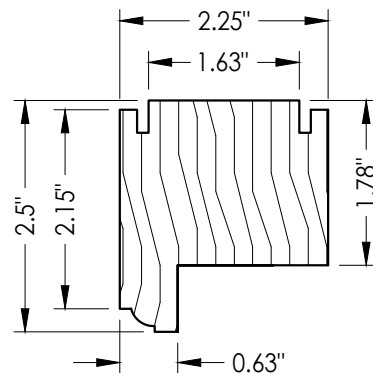
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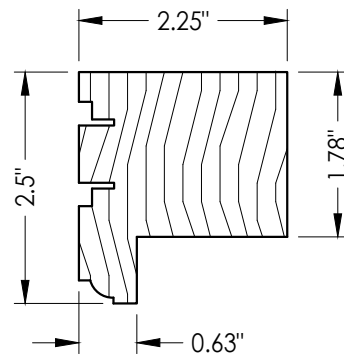
25 SASH STILE



26 BOTTOM SASH BOTTOM RAIL



27 TOP SASH TOP RAIL



24 BOTTOM SASH TOP RAIL

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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
COMPONENTS

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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SHEET 6 OF 7

