

MILLWORK ARTISANS

145 KING STREET
CHARLESTON, SC 29401

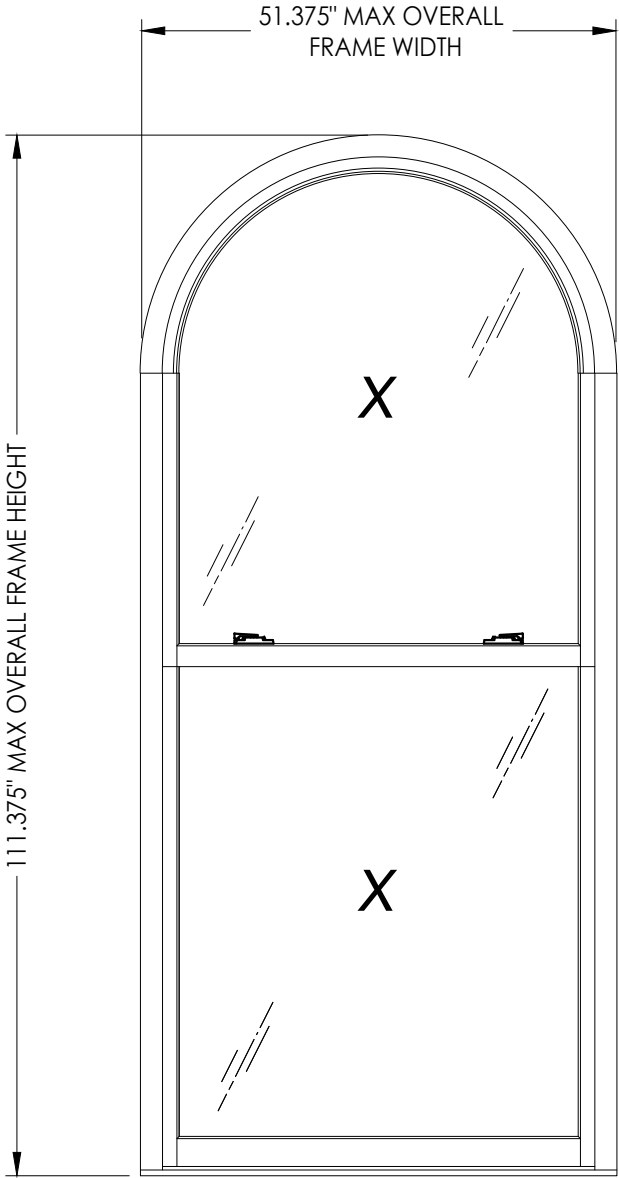
ARCH DOUBLE HUNG WINDOW

"IMPACT"

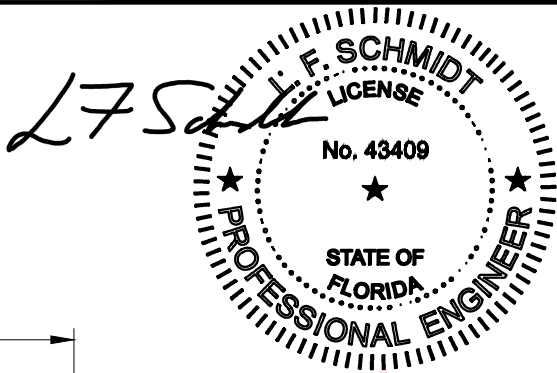
GENERAL NOTES

- 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 E1996 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.
- All window frame wood to be Sapele (Specific Gravity = 0.55).
- 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 & 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



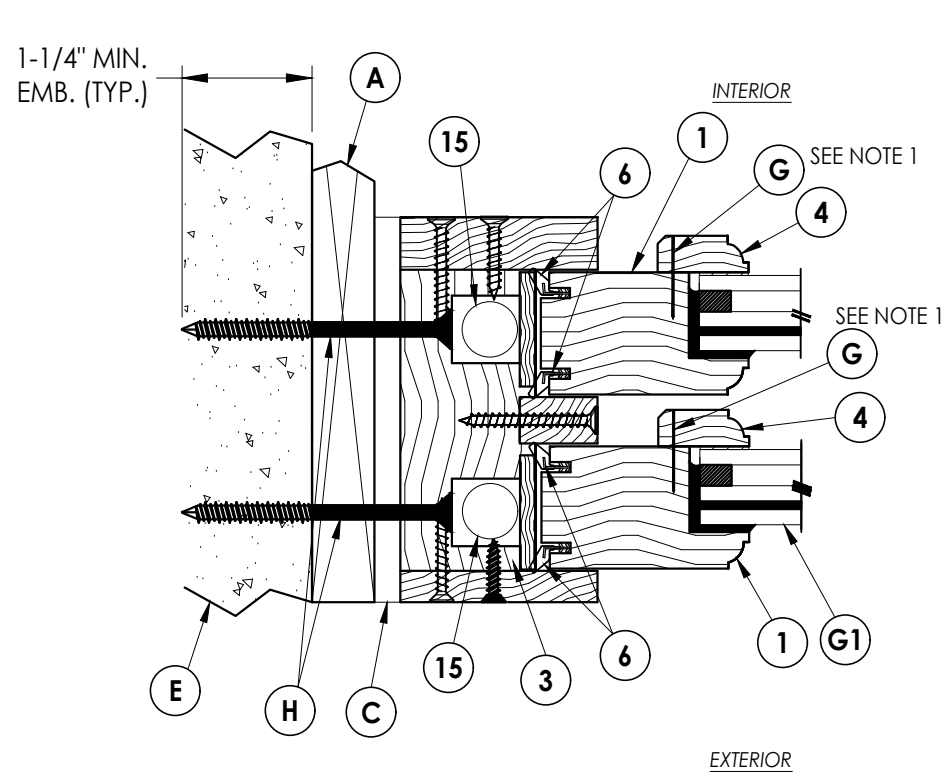
Digitally signed by Lyndon F Schmidt
Date: 2023.09.14 16:42:10 -04'00'

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.

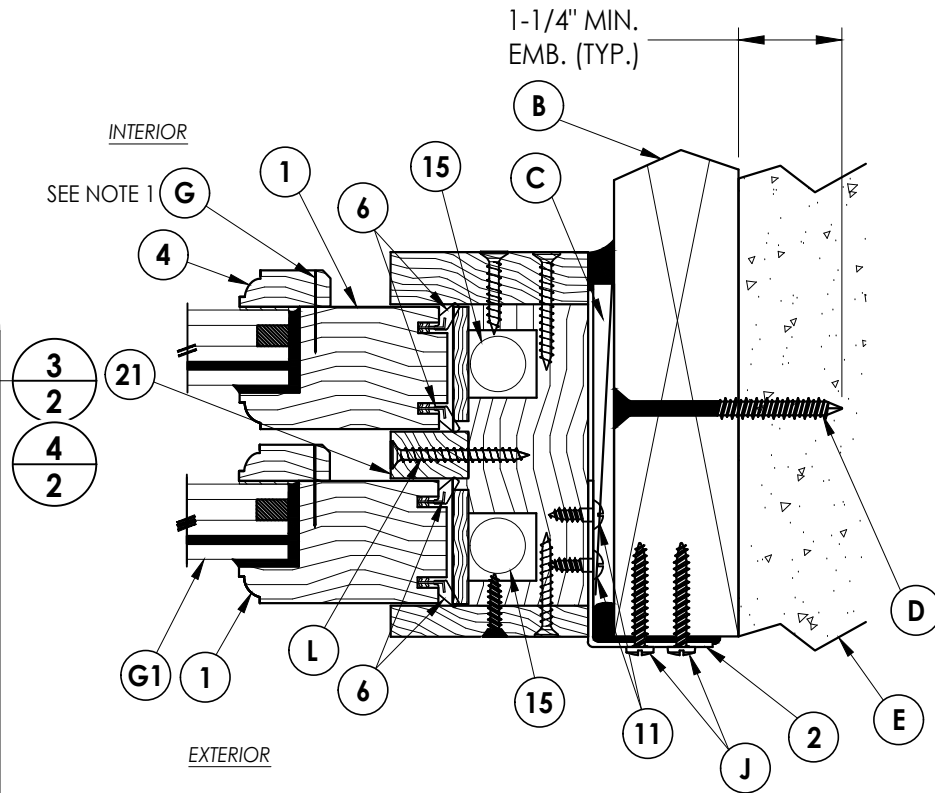
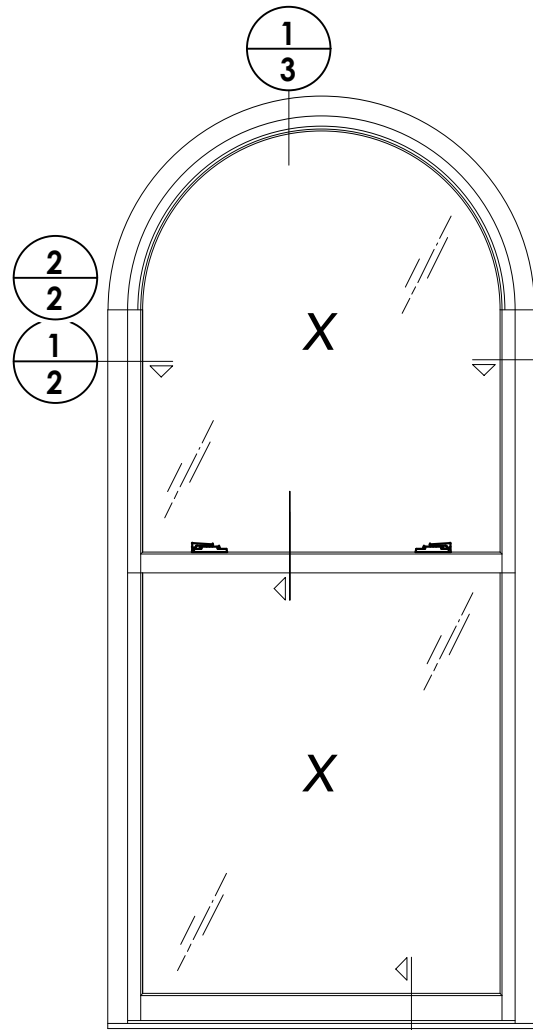
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

PRODUCT:		PART OR ASSEMBLY:		REVISIONS	
MILLWORK ARTISANS DOUBLE HUNG WINDOW		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		BY	
DATE: 5/7/14					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-17038.4					
SHEET 1 OF 7					

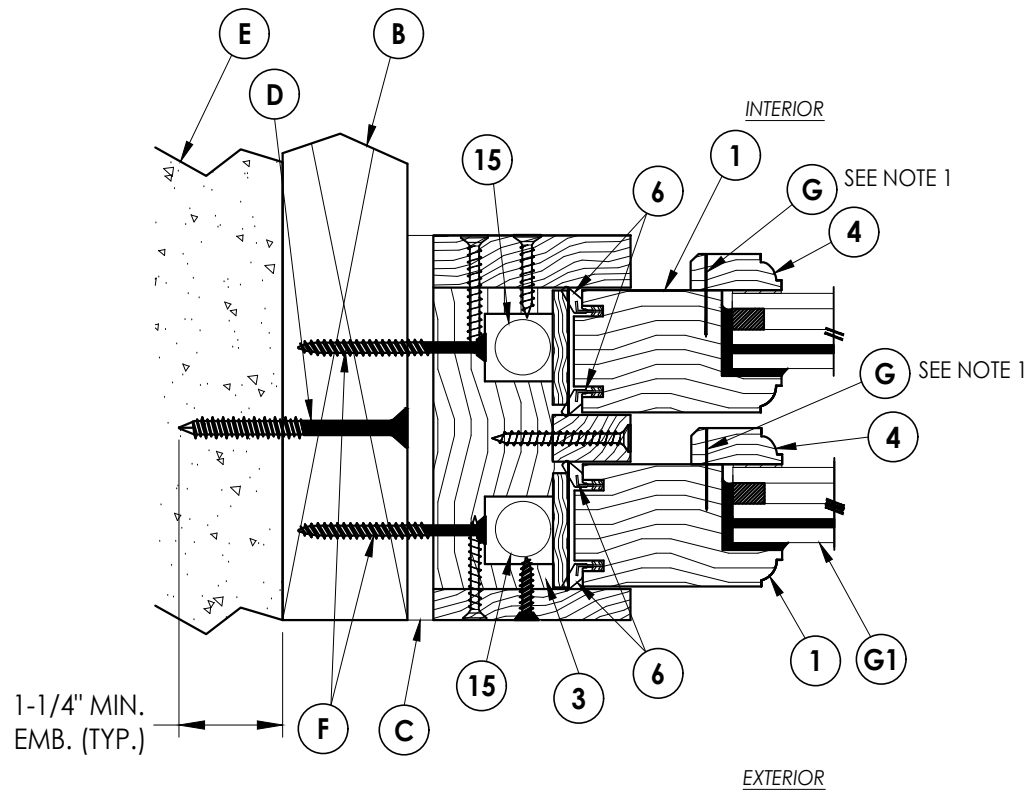
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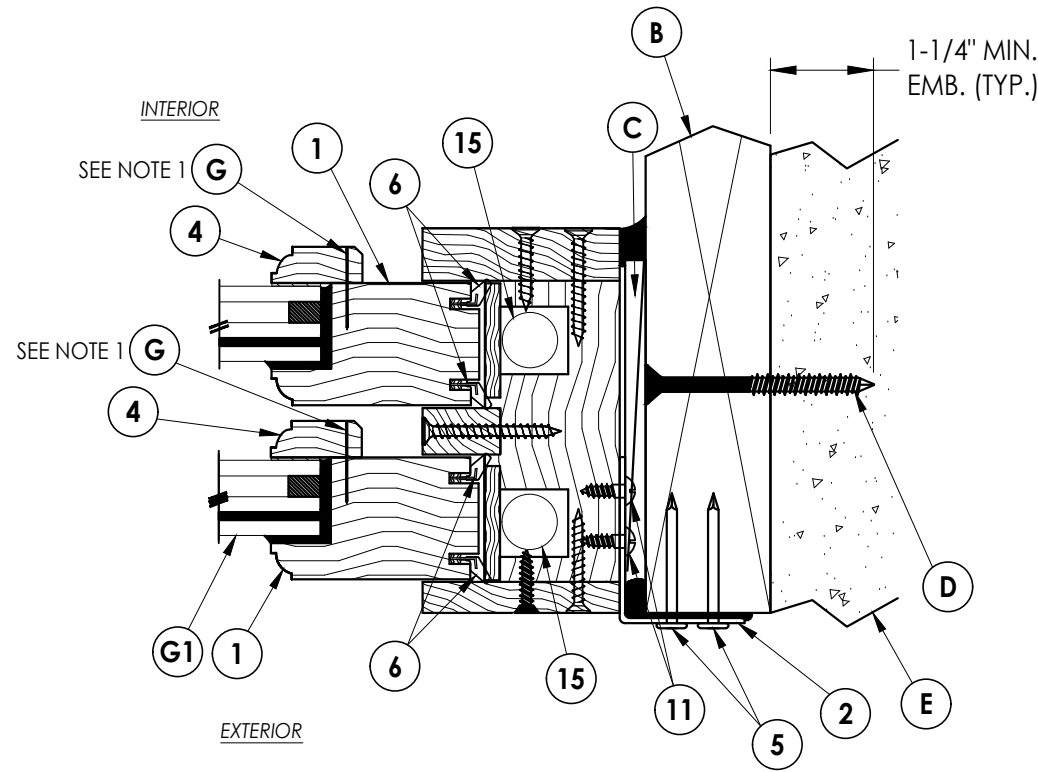
1
2 **HORIZONTAL CROSS SECTION**
1X Buck Construction
(Thru-the-Frame Installation)



3
2 **HORIZONTAL CROSS SECTION**
2X Buck Construction
(Anchor Clip Installation)



2
2 **HORIZONTAL CROSS SECTION**
2X Buck Construction
(Thru-the-Frame Installation)



4
2 **HORIZONTAL CROSS SECTION**
2X Buck Construction
(Anchor Clip Installation)

NOTE:
1. Item #G located 1" from each end
then 10" on center.

Documents Prepared By:
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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:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
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

DATE: 5/7/14

SCALE: N.T.S.

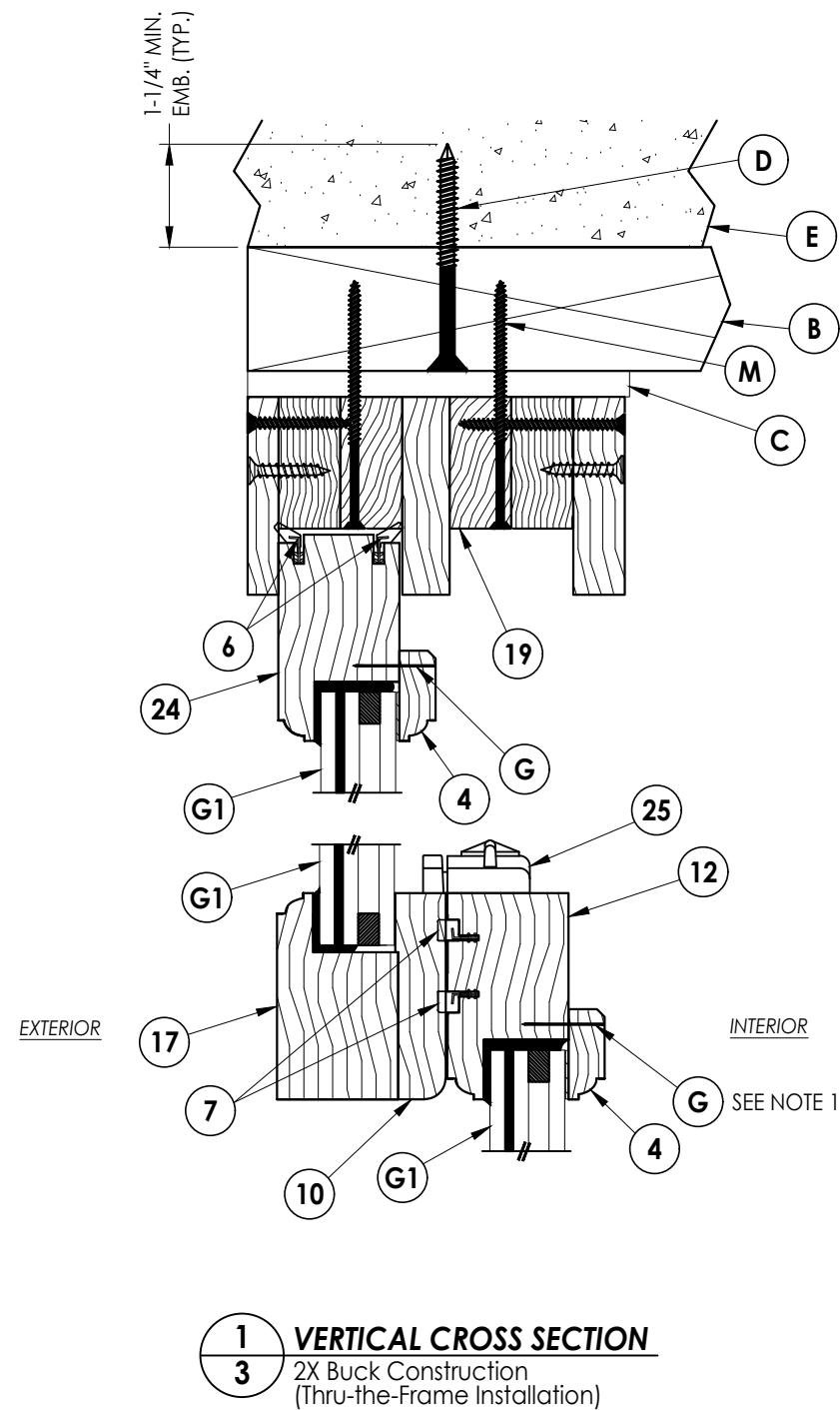
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CHK. BY: LFS

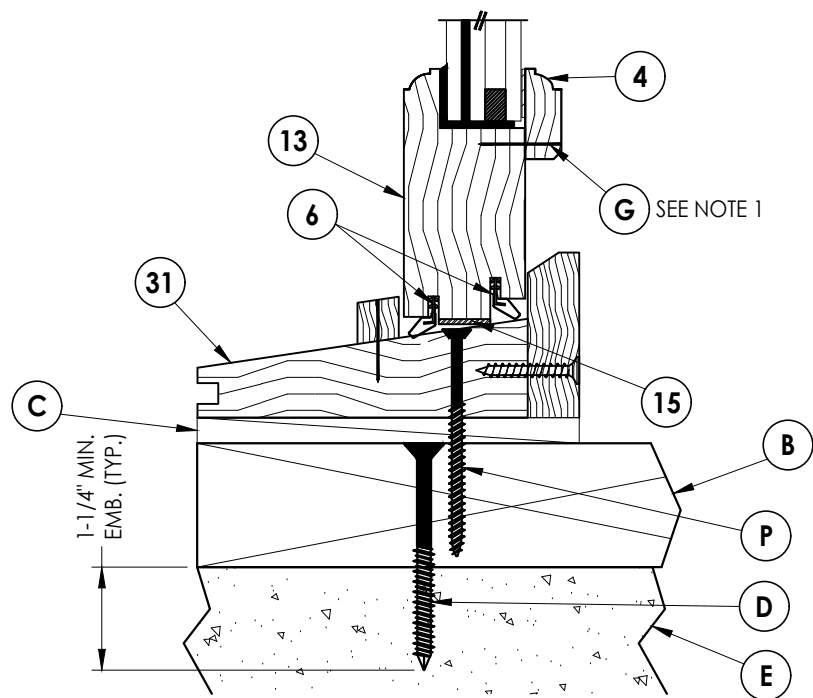
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FL-17038.4

SHEET 2 OF 7

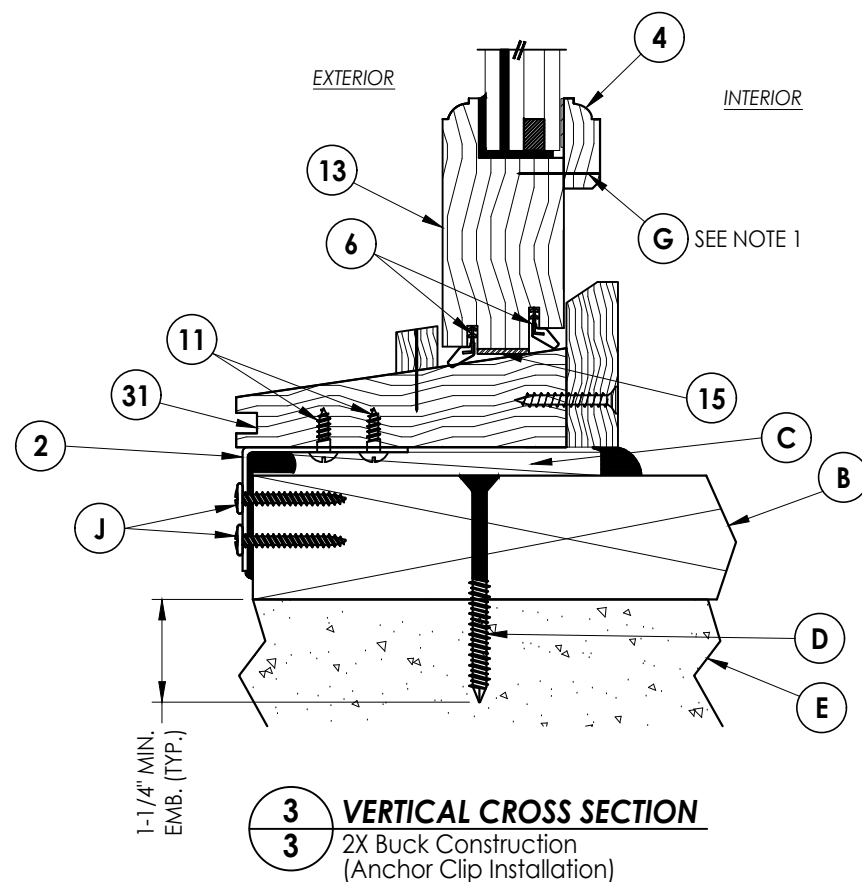


NOTE:
1. Item #G located 1" from each end
then 10" on center.



2 VERTICAL CROSS SECTION

3 2X Buck Construction (Thru-the-Frame Installation)



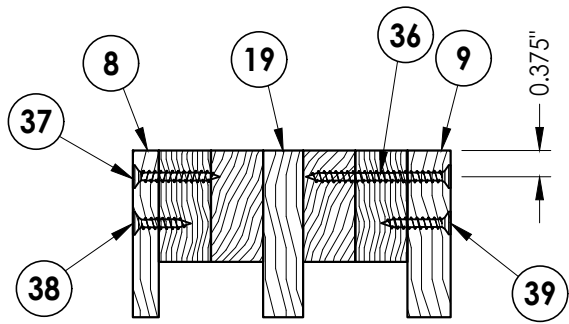
3 VERTICAL CROSS SECTION
2X Buck Construction
(Anchor Clip Installation)

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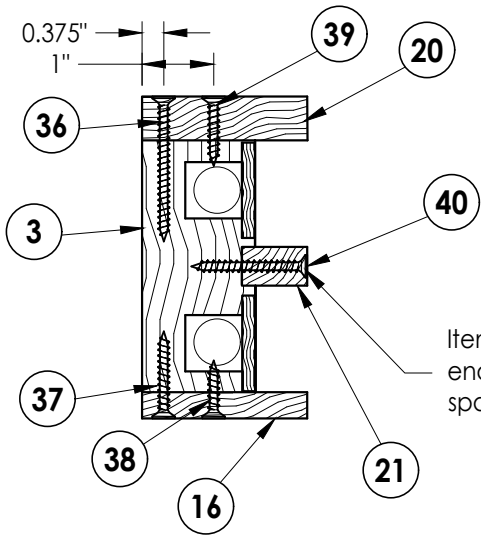
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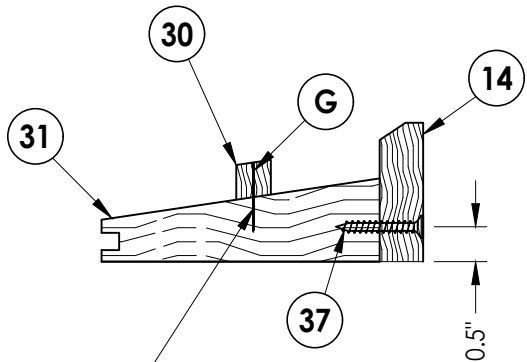
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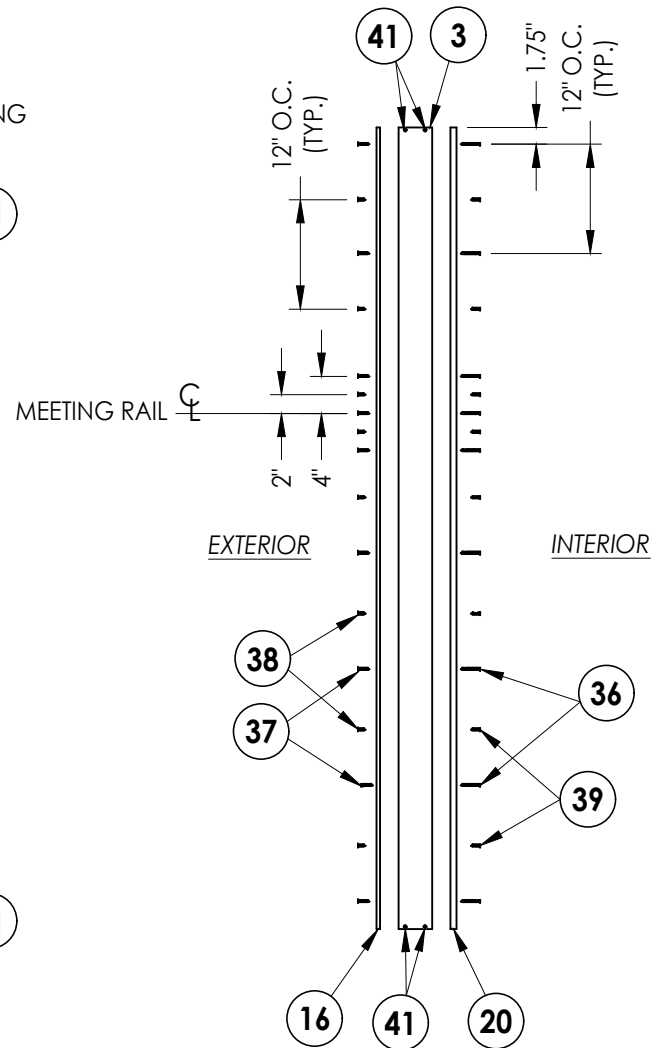
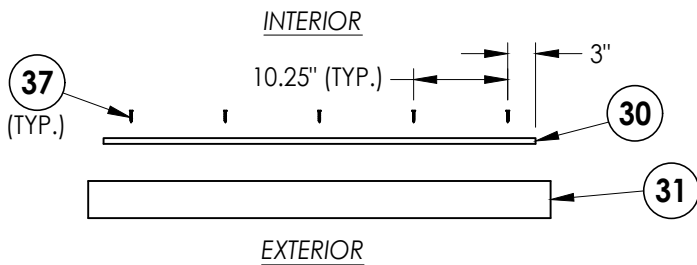
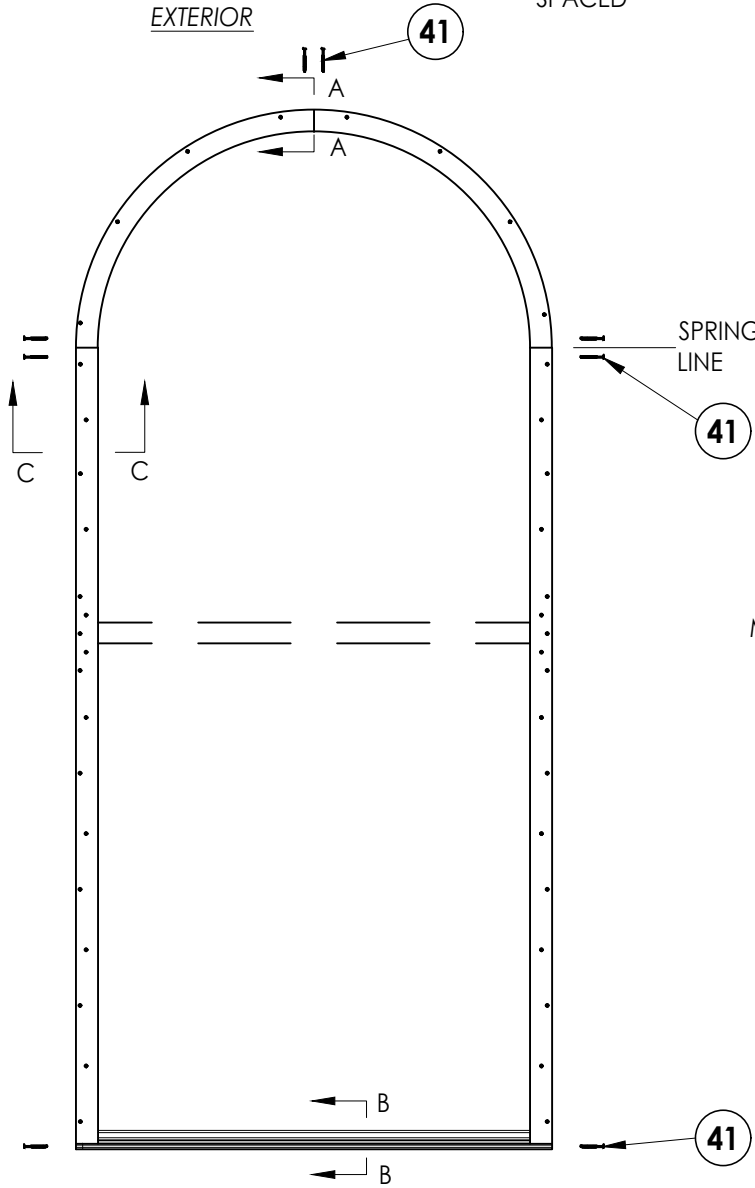
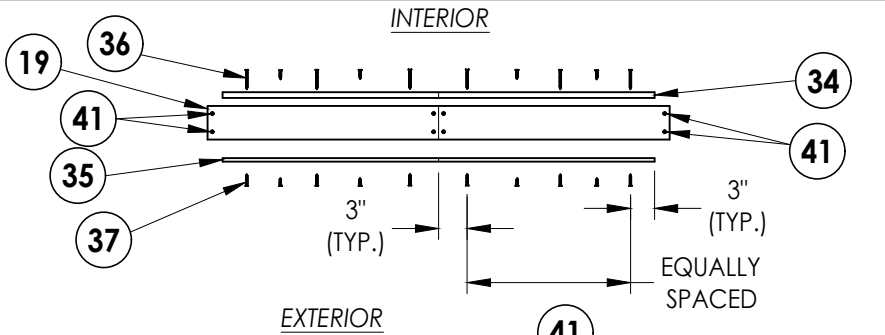
SECTION A-A



SECTION C-C



SECTION B-B



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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
FRAME DETAILS

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
4	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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DATE: 5/7/14

SCALE: N.T.S.

DWG. BY: JK

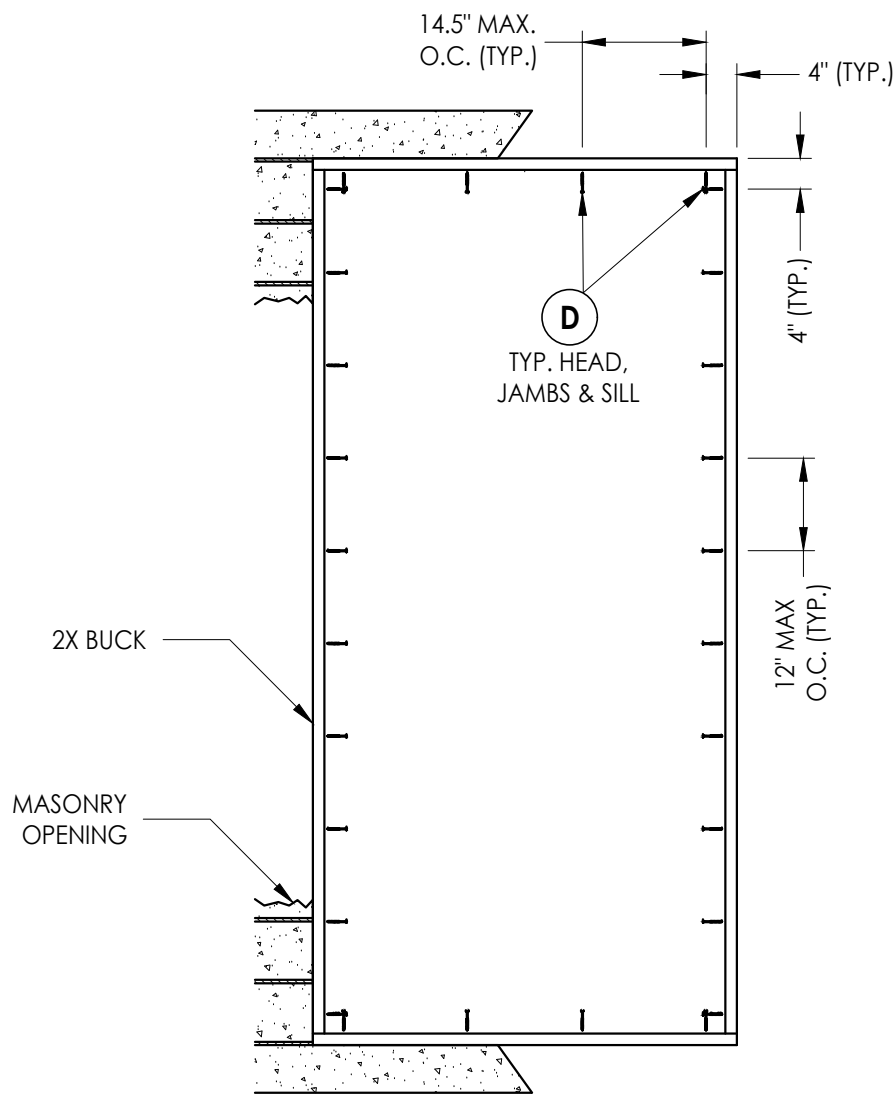
CHK. BY: LFS

DRAWING NO.:

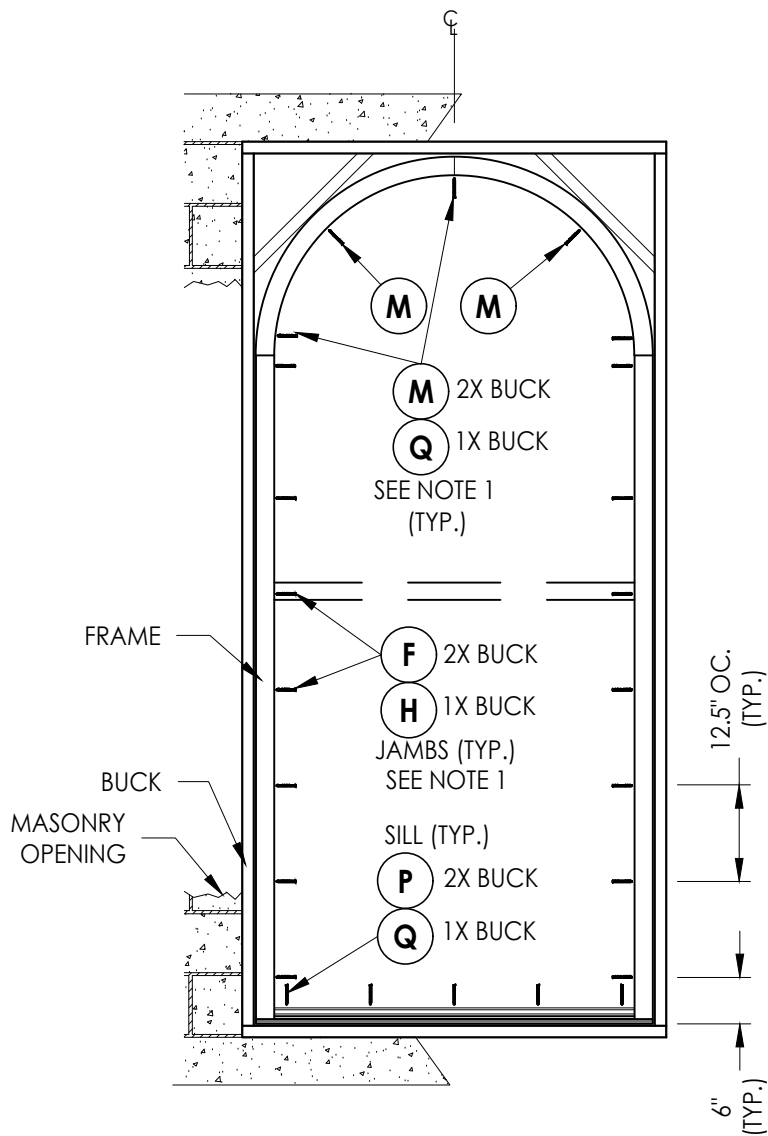
FL-17038.4

SHEET 4 OF 7

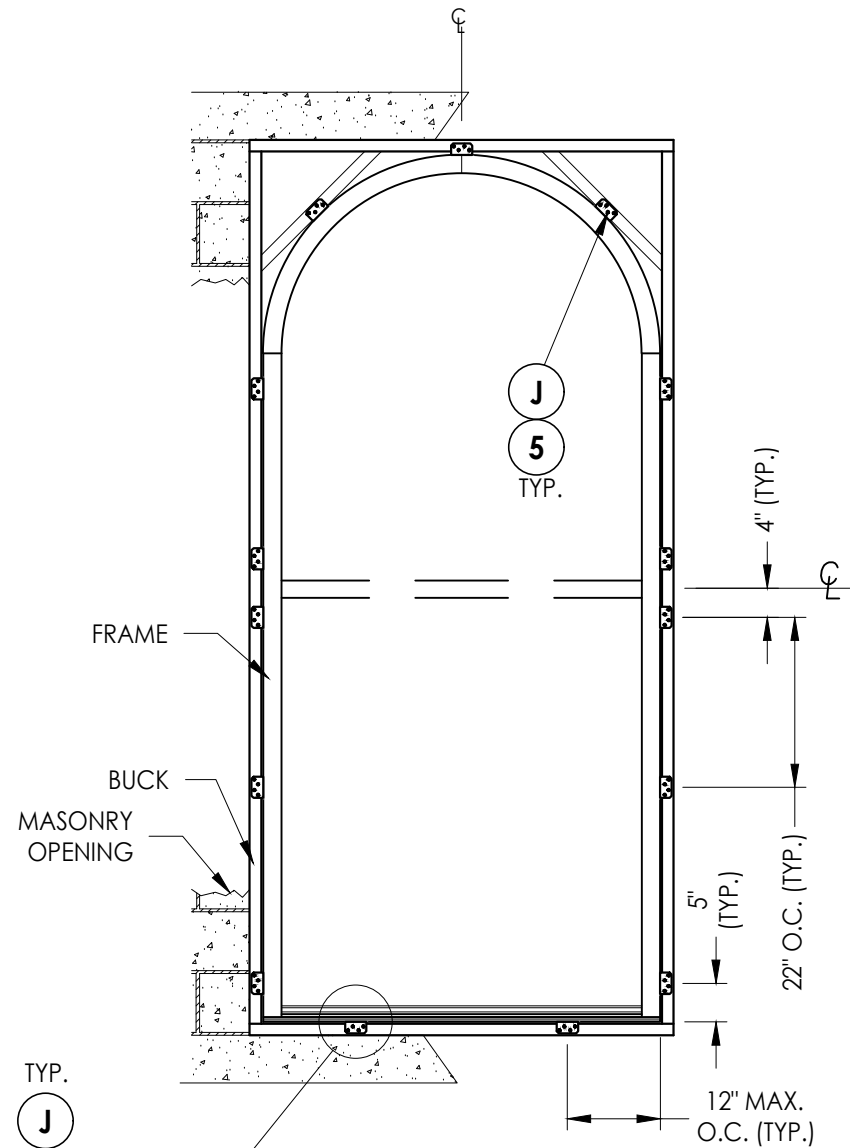
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BUCK ANCHORING
Masonry construction



FRAME ANCHORING
(Thru-the-Frame 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 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:

- Two (2) anchors required at each location shown at jambs. Stagger concrete anchors to maintain 4" min clearance to adjacent anchor.

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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

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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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DATE: 5/7/14

SCALE: N.T.S.

DWG. BY: JK

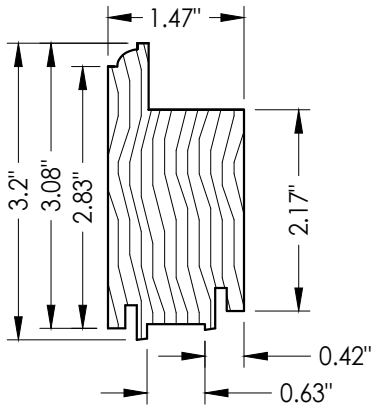
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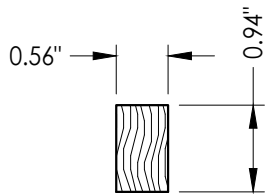
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SHEET 5 OF 7

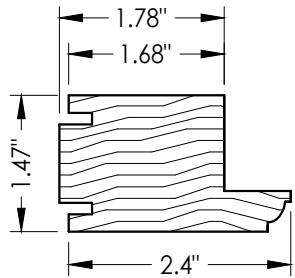
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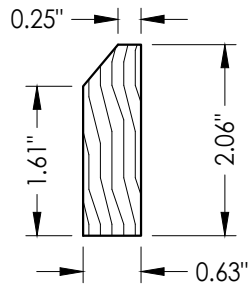
13 BOTTOM RAIL
Bottom sash



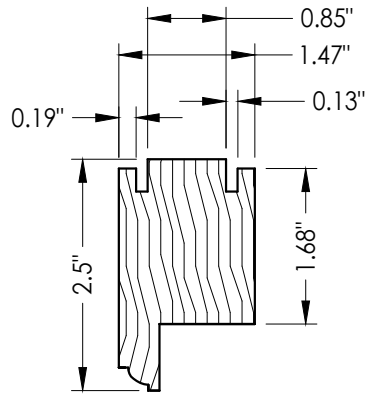
21 PARTING STOP



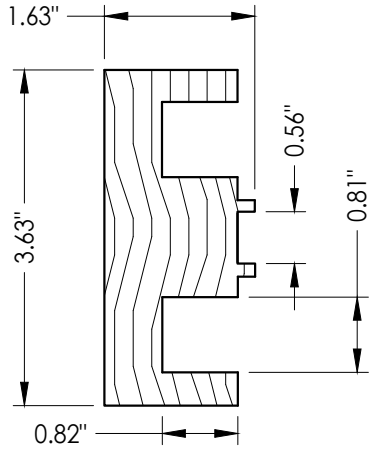
1 SASH STILE



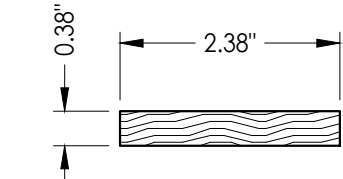
14 SILL EXTENDER



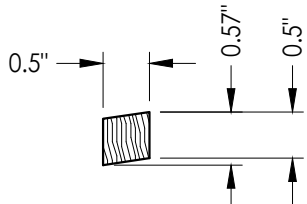
24 TOP RAIL
Top sash



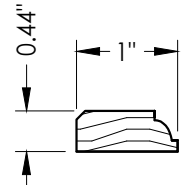
3 JAMB



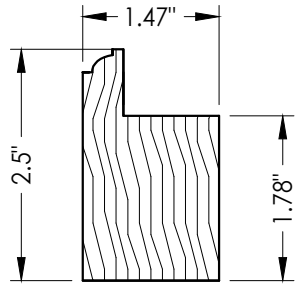
16 JAMB EXTERIOR SASH STOP



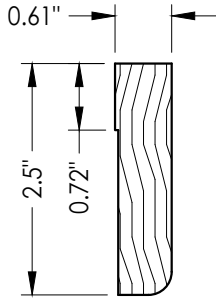
30 BOTTOM RAIL STOP



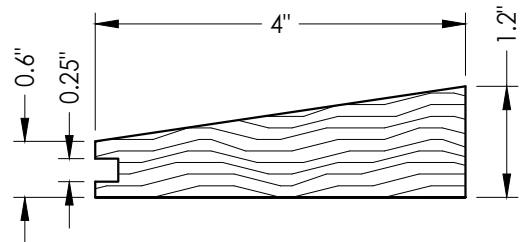
4 GLAZING BEAD



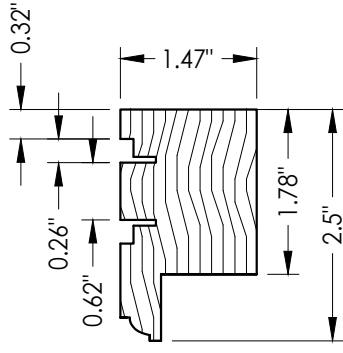
17 BOTTOM RAIL
Top sash



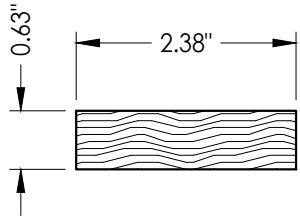
10 MEETING RAIL



31 SILL



12 TOP RAIL
Bottom sash



20 JAMB INTERIOR SASH STOP

DATE: 5/7/14
SCALE: N.T.S.
DWG. BY: JK
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SHEET 6 OF 7

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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
COMPONENTS

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