

MILLWORK ARTISANS

145 KING STREET
CHARLESTON, SC 29401

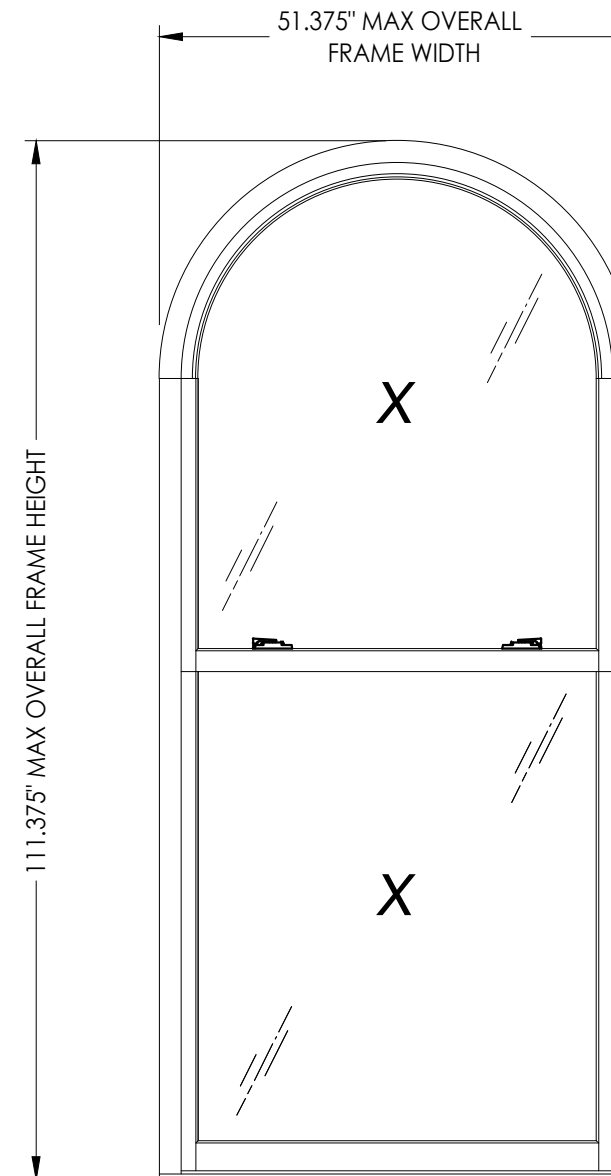
ARCH DOUBLE HUNG WINDOW

"NON-IMPACT"

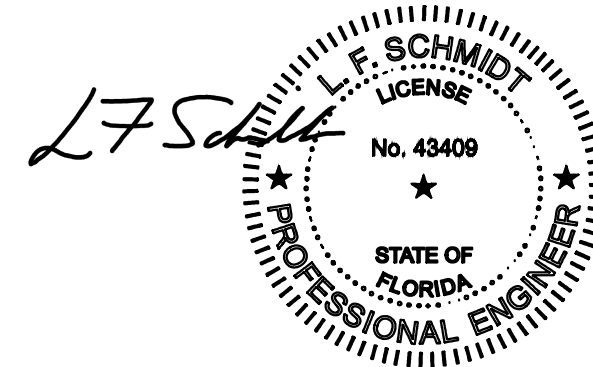
GENERAL NOTES

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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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 detail 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	+60.0	-65.0



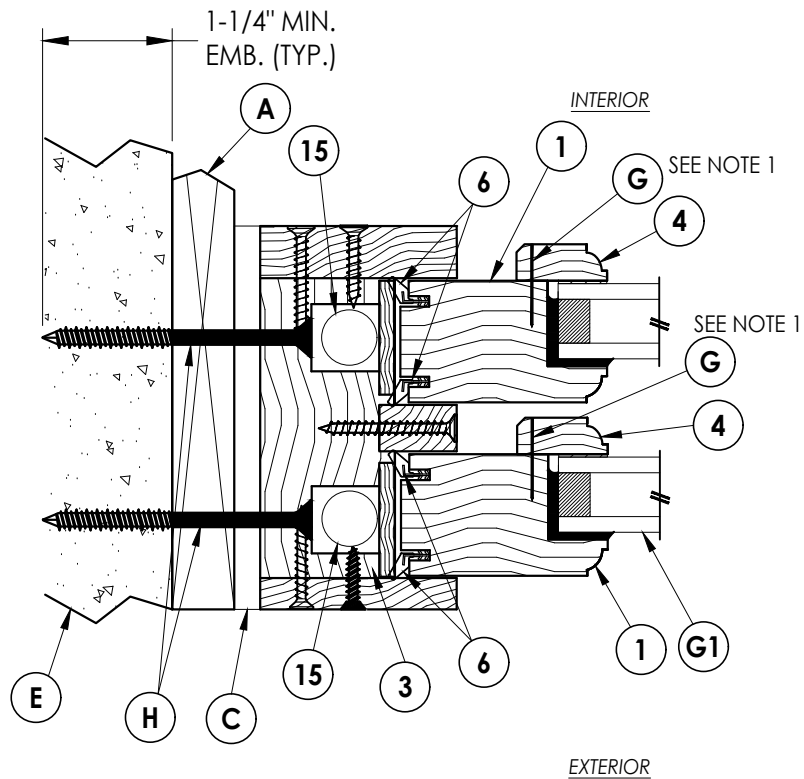
Digitally signed by Lyndon F Schmidt
Date: 2023.09.14 16:37:38 -04'00'

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.

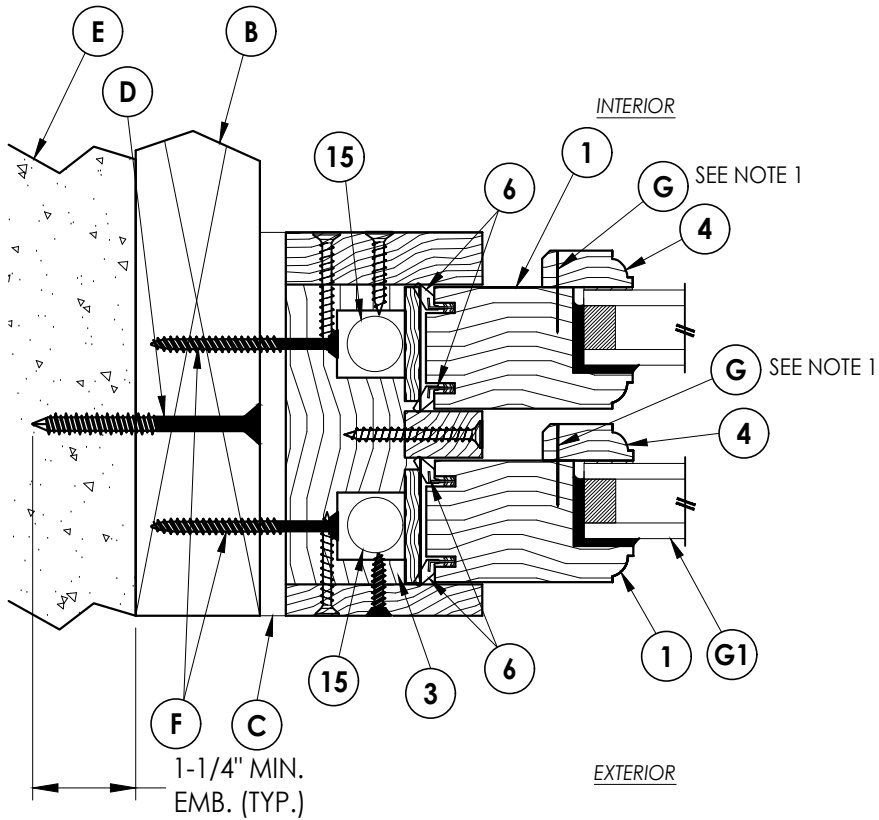
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

DATE: 5/7/14										PRODUCT: MILLWORK ARTISANS DOUBLE HUNG WINDOW PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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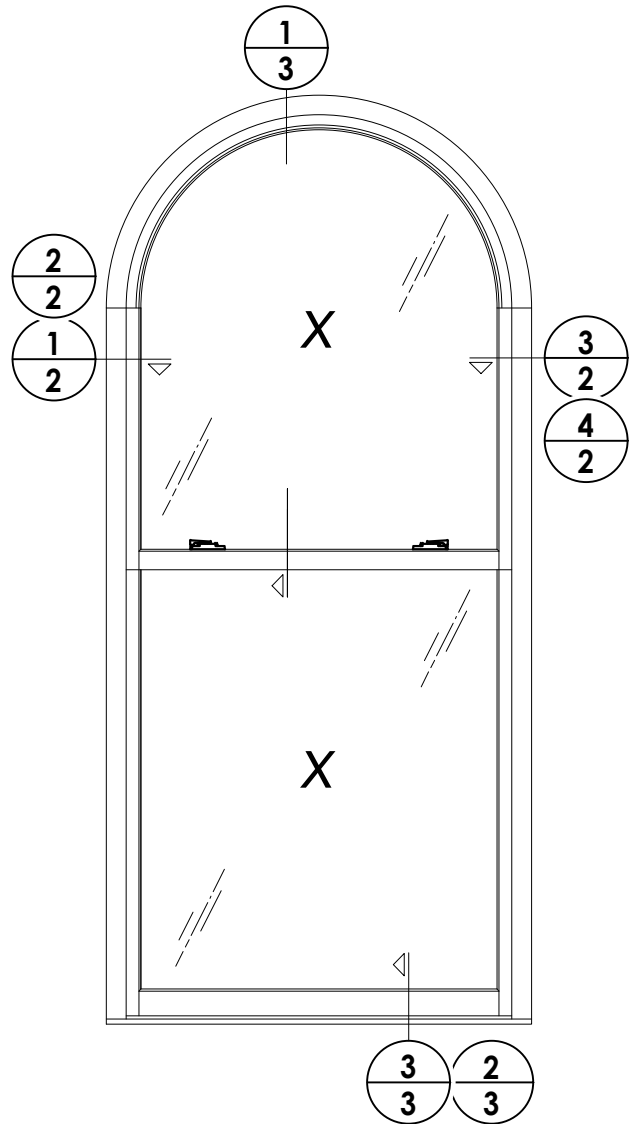
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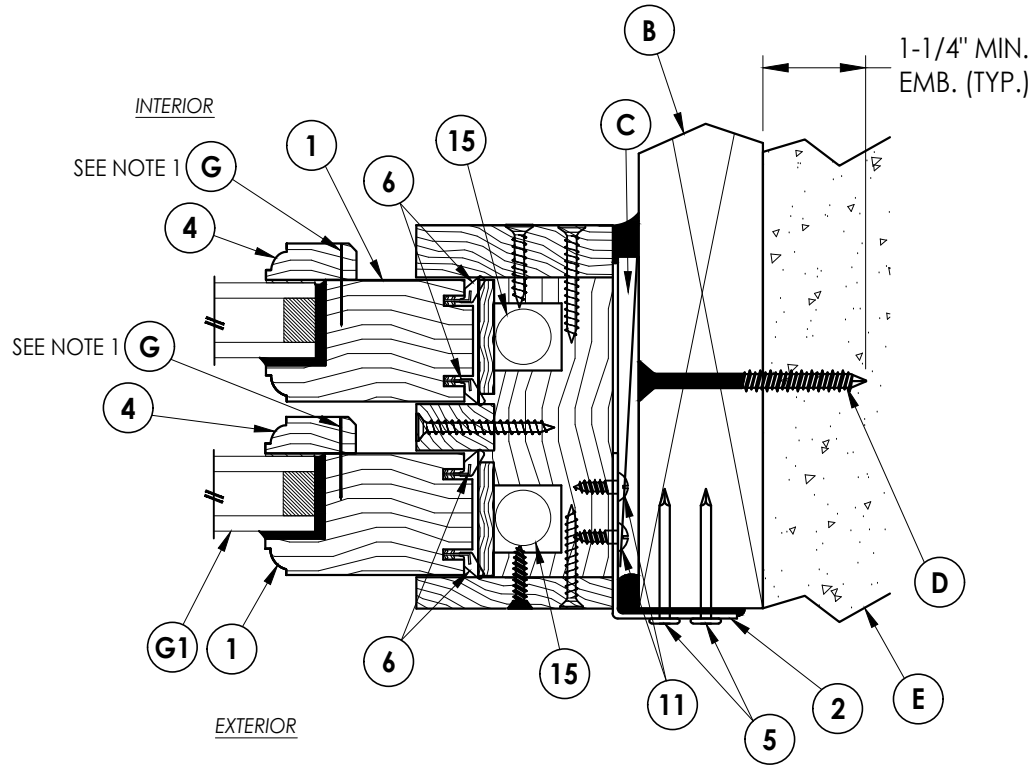
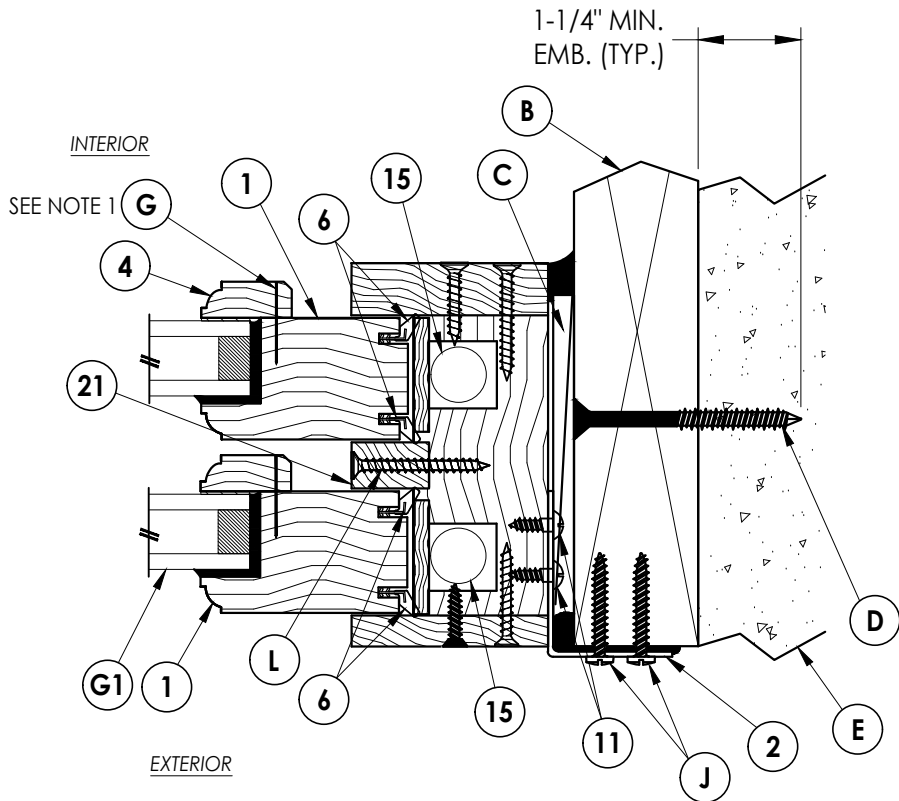
1 **HORIZONTAL CROSS SECTION**
2 1X Buck Construction
(Thru-the-Frame Installation)



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



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



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

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

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

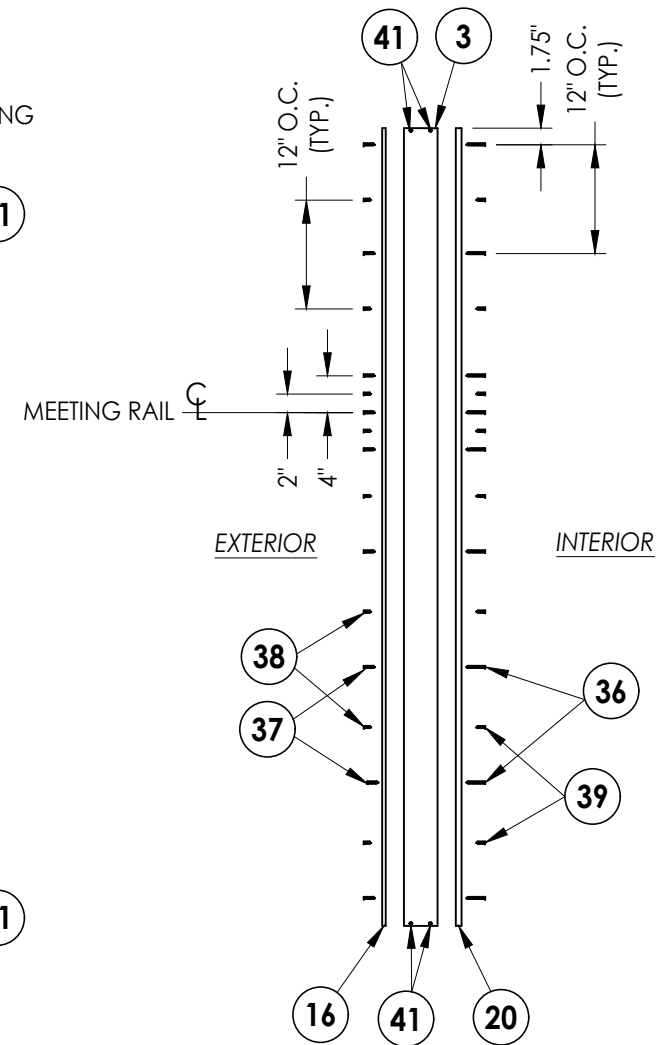
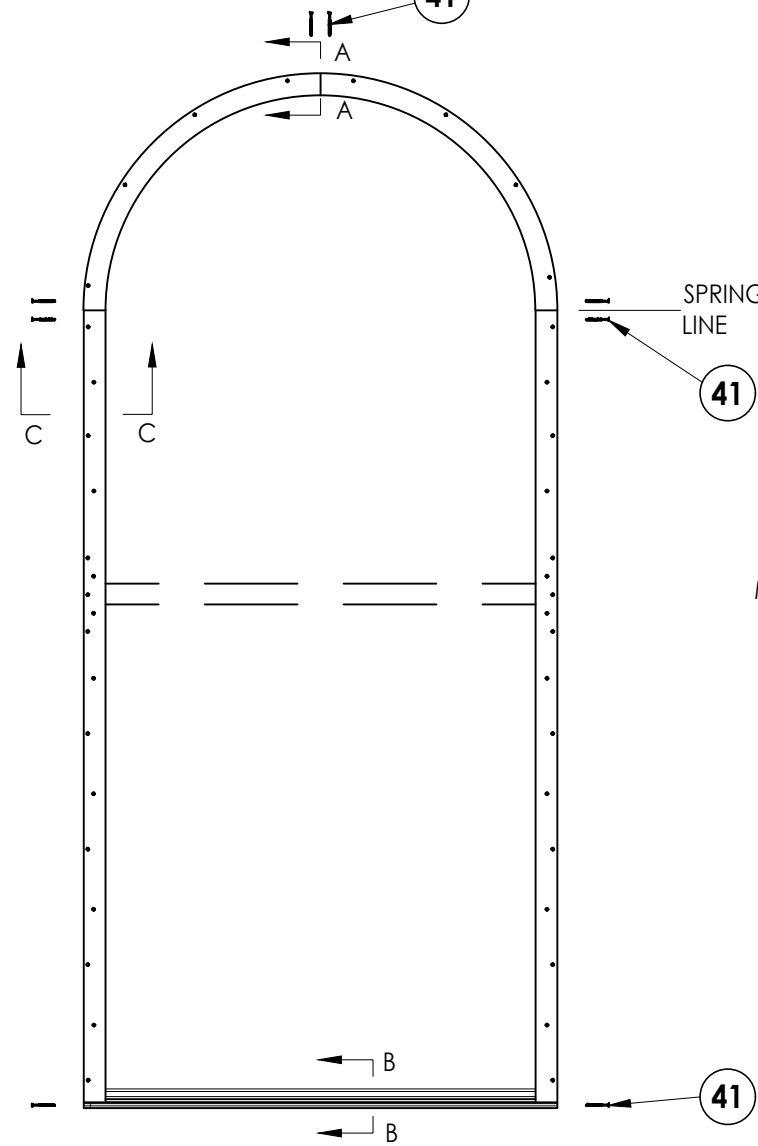
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

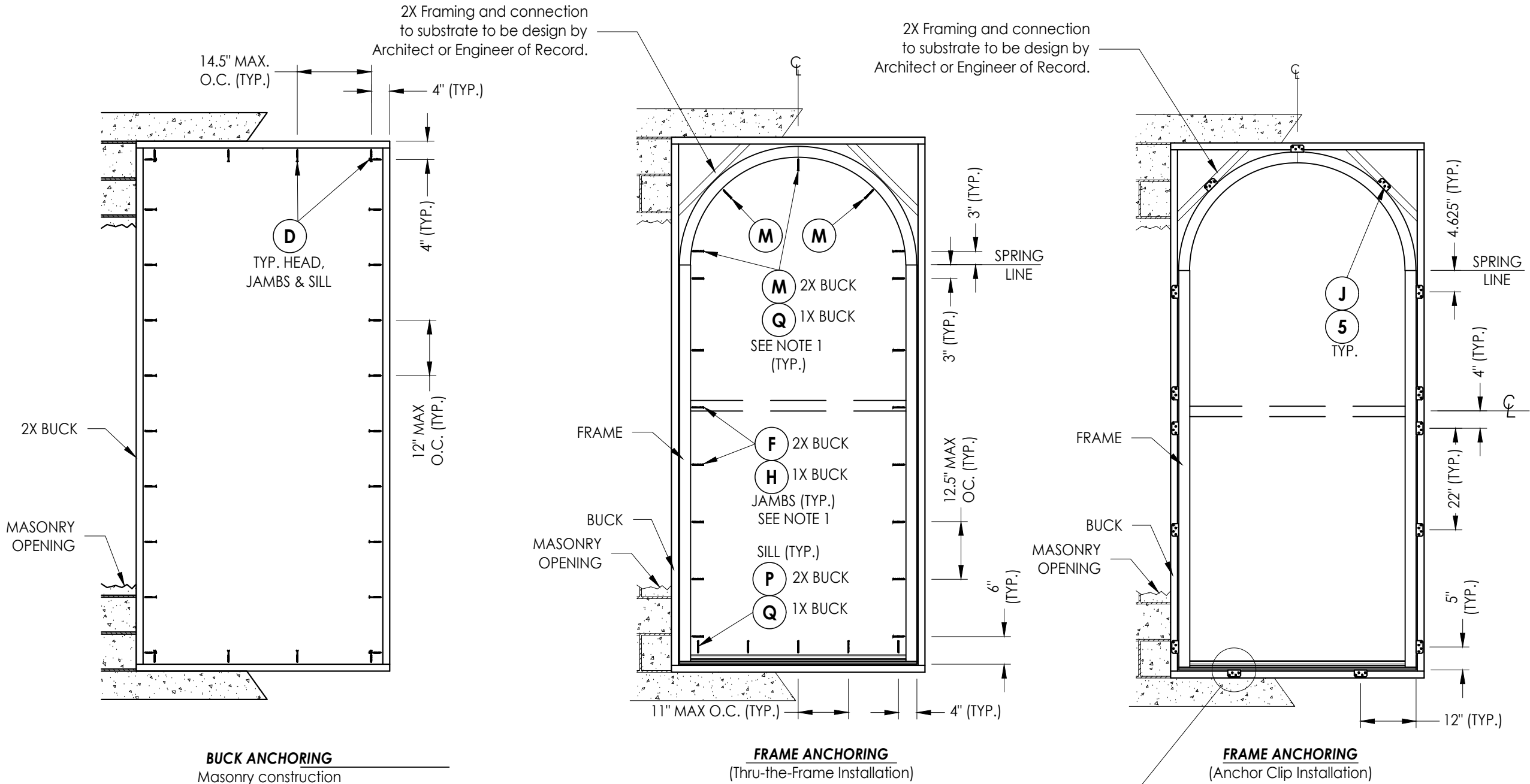
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4	9/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	9/29/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	10/3/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	3/03/15	UPDATE TO 5TH ED. (2014) FBC	JK
DATE: 5/7/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17038.1			
SHEET 2 OF 7			

The diagram illustrates a double-pane window assembly. The top half is labeled INTERIOR and the bottom half is labeled EXTERIOR. Callouts include: 19 (interior frame), 36 (interior pane), 41 (interior pane edge), 34 (interior pane edge), 35 (exterior frame), 37 (exterior pane), 3" (TYP.) (exterior pane edge), 3" (TYP.) (exterior pane edge), EQUALLY SPACED (exterior pane edge), and 41 (exterior pane edge).



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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 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. Stagger concrete anchors to maintain 4" min clearance to adjacent anchor.

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

DATE: 5/7/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17038.1

SHEET 5 OF 7

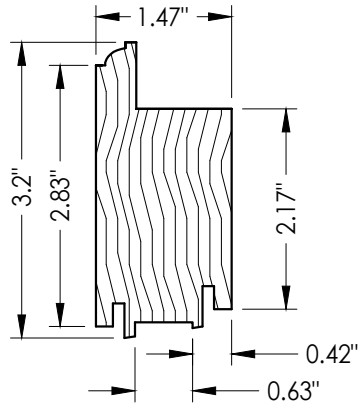
REVISIONS

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

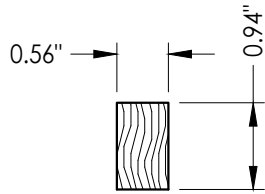
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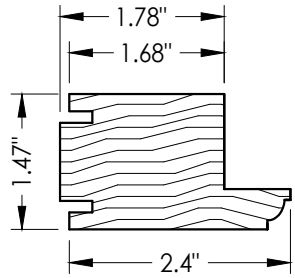
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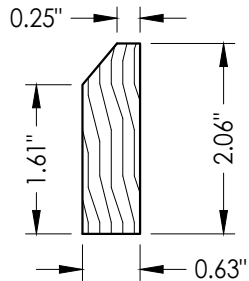
13 BOTTOM RAIL
Bottom sash



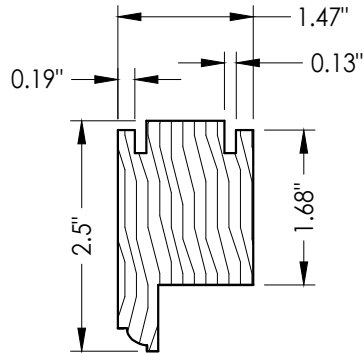
21 PARTING STOP



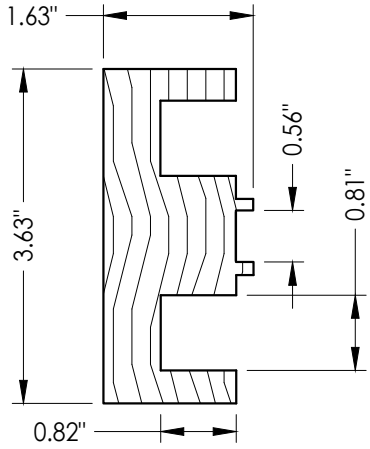
1 SASH STILE



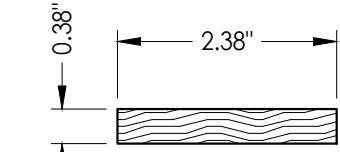
14 SILL EXTENDER



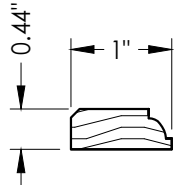
24 TOP RAIL
Top sash



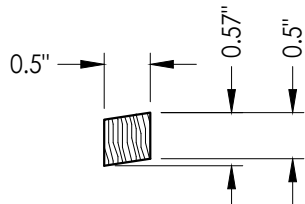
3 JAMB



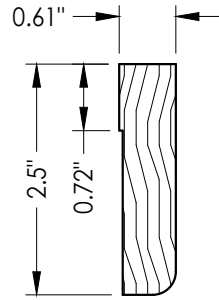
16 JAMB EXTERIOR SASH STOP



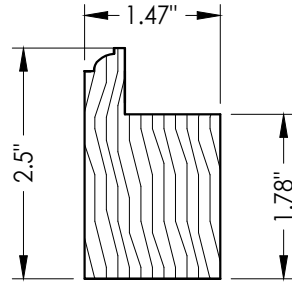
4 GLAZING BEAD



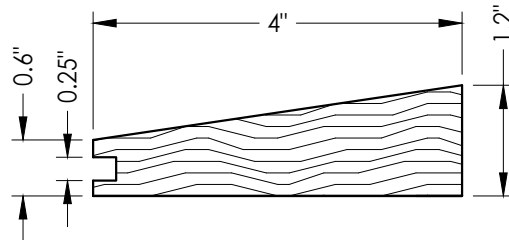
30 BOTTOM RAIL STOP



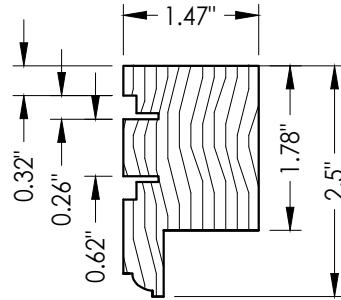
10 MEETING RAIL



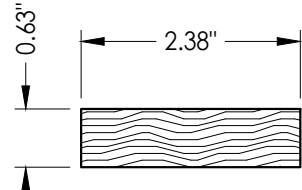
17 BOTTOM RAIL
Top sash



31 SILL



12 TOP RAIL
Bottom sash



20 JAMB INTERIOR SASH STOP

DATE: 5/7/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17038.1

SHEET 6 OF 7

PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
COMPONENTS

Documents Prepared By:
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