

MILLWORK ARTISANS

145 KING STREET
CHARLESTON, SC 29401

DOUBLE HUNG WINDOW

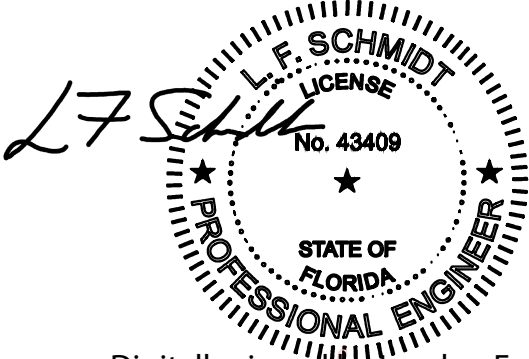
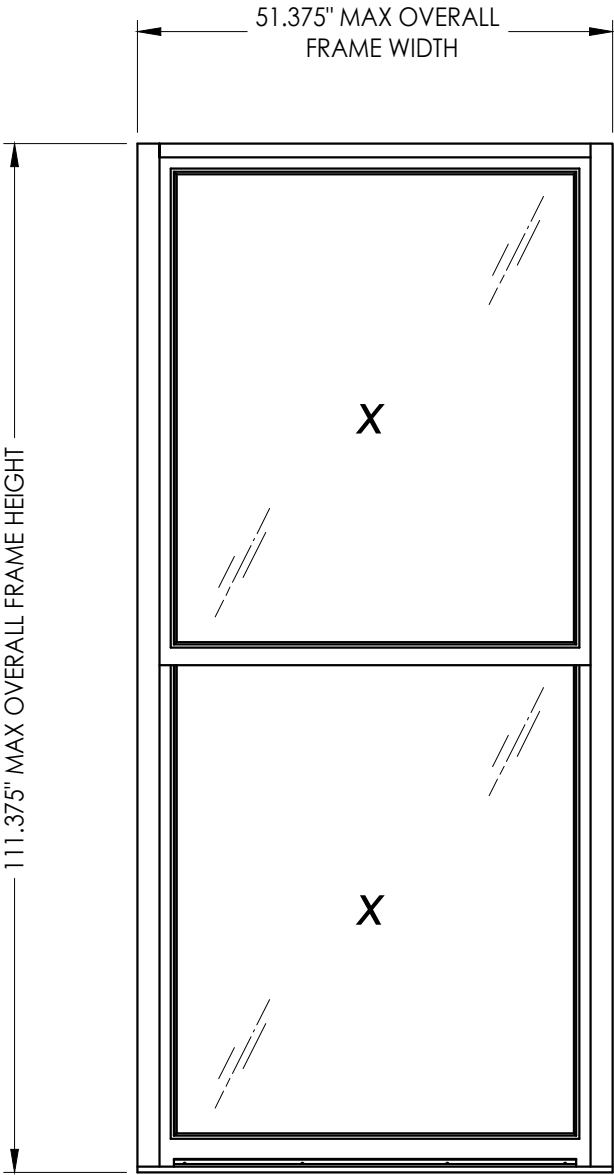
"IMPACT"

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 16:48:50 -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		BY

REVISIONS

DATE: 5/7/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

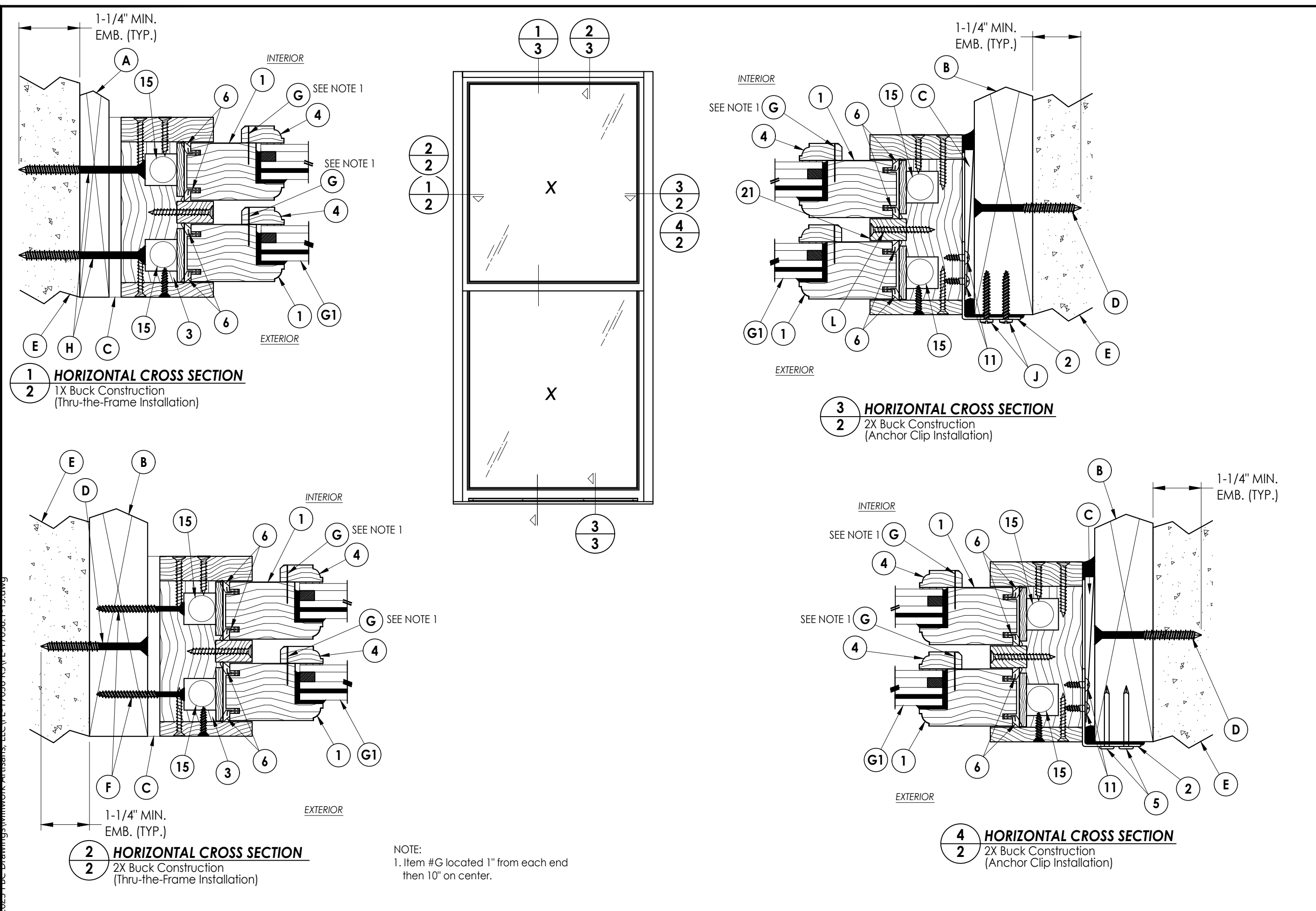
DRAWING NO.: FL-17038.8

SHEET 1 OF 7

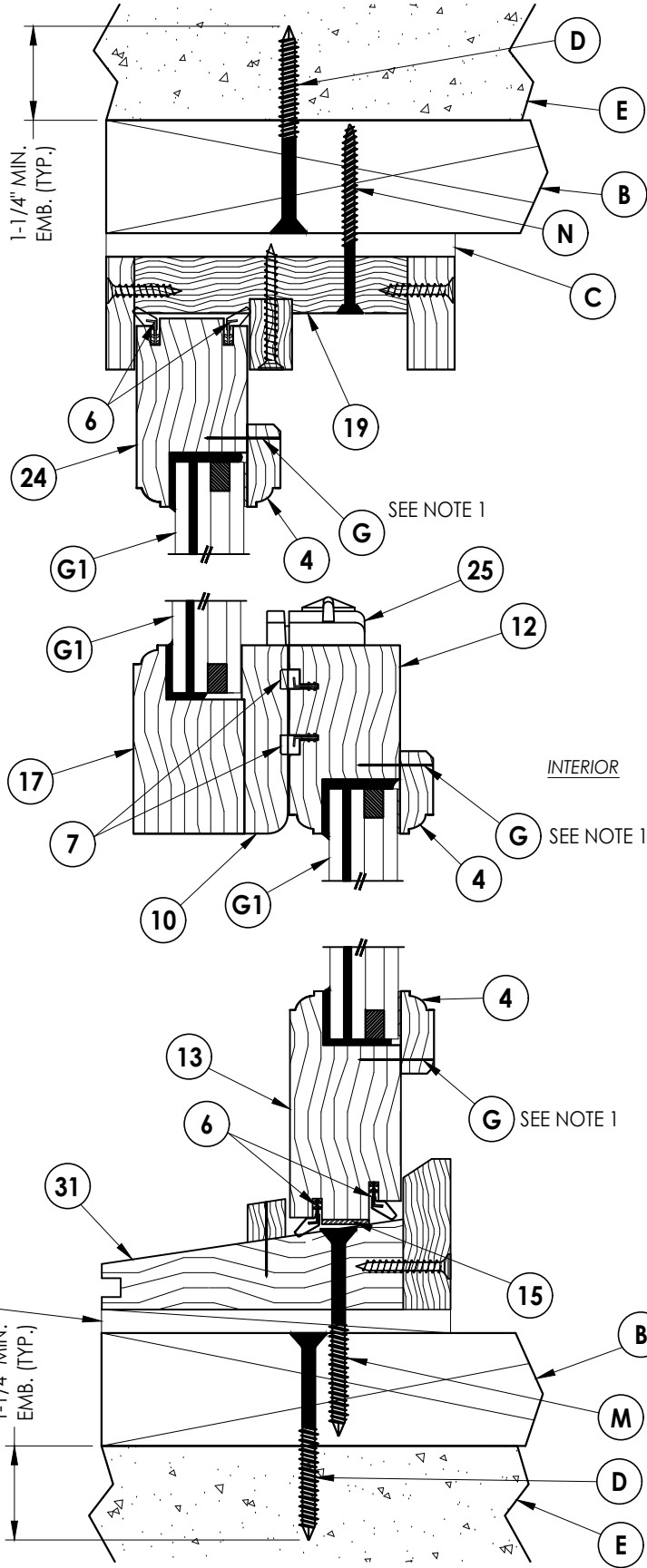
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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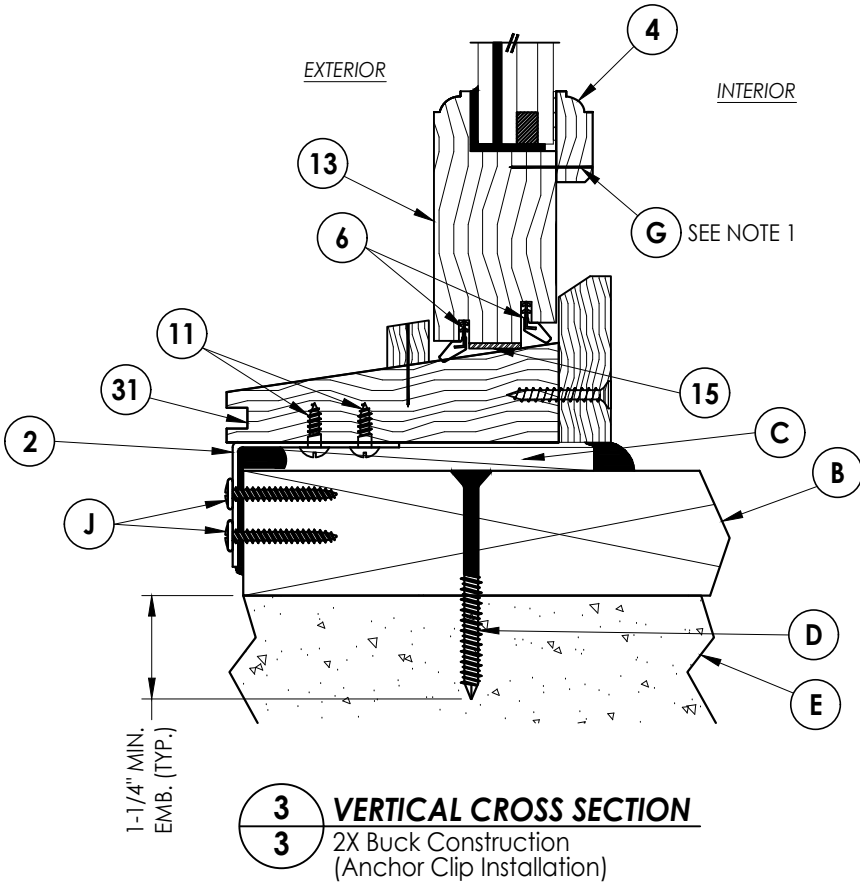
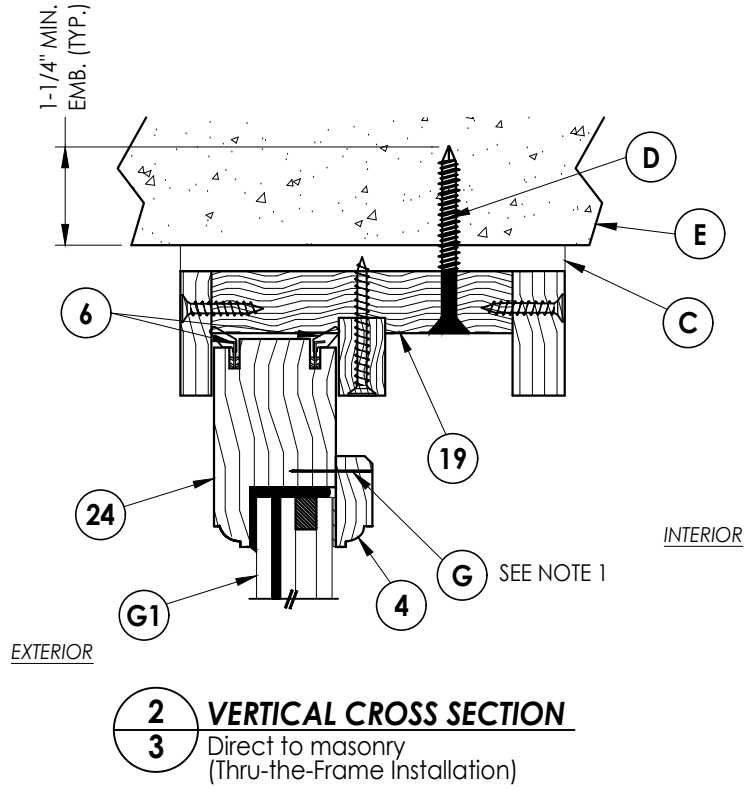
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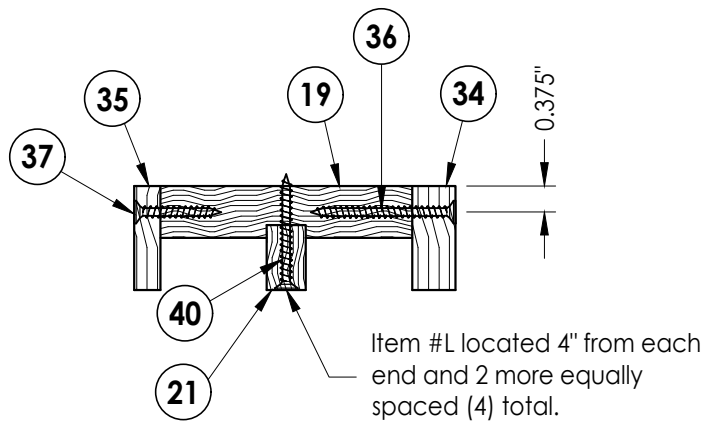
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: MILLWORK ARTISANS DOUBLE HUNG WINDOW		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
4	9/14/23	UPDATE TO 8TH ED. (2023)	FBC
3	9/29/20	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
NO.	DATE	REVISIONS	
DATE:	5/7/14		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-17038.8		
SHEET	2	OF	7



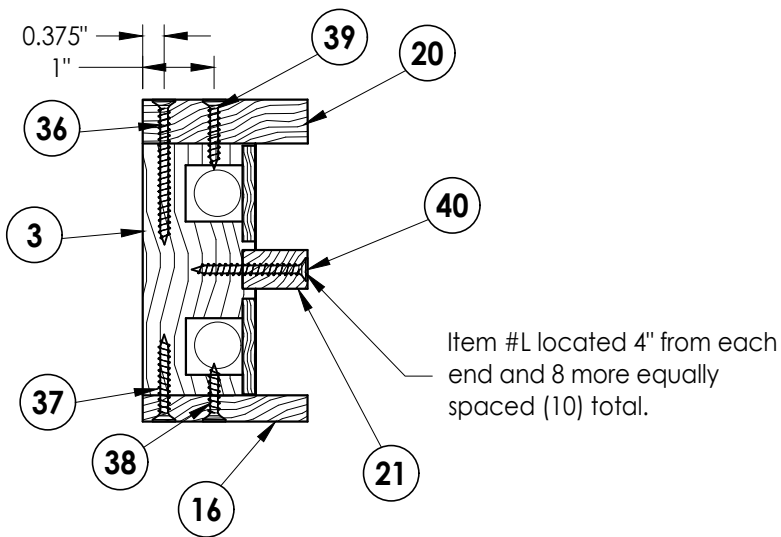
1. Item #G located 1" from each end then 10" on center.

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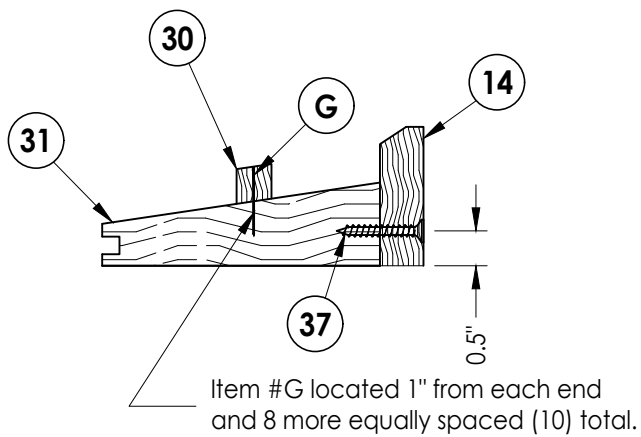
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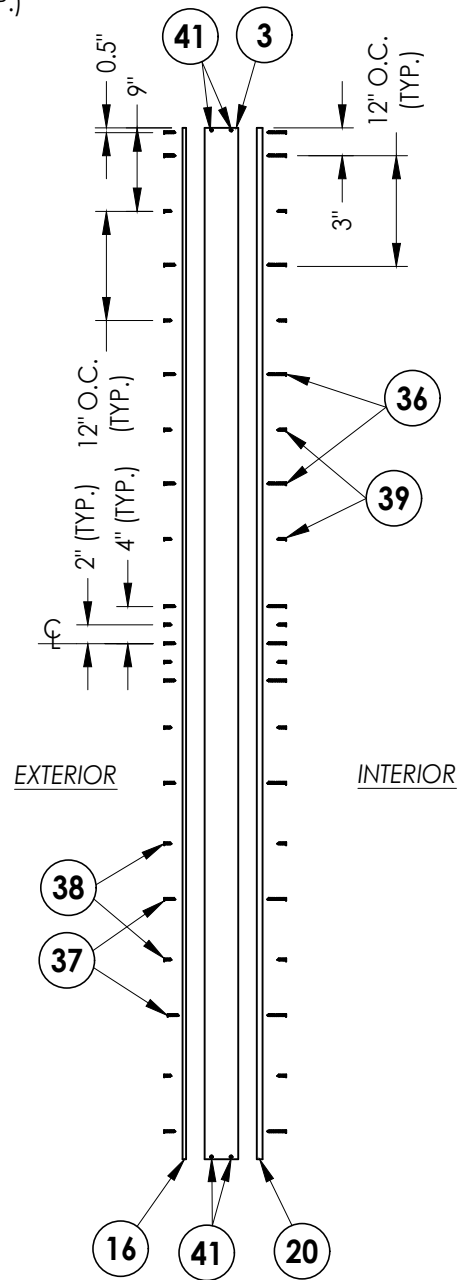
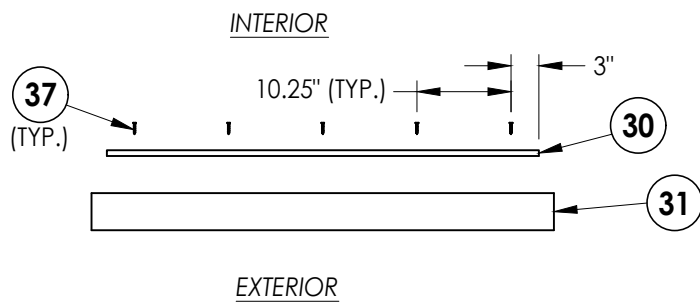
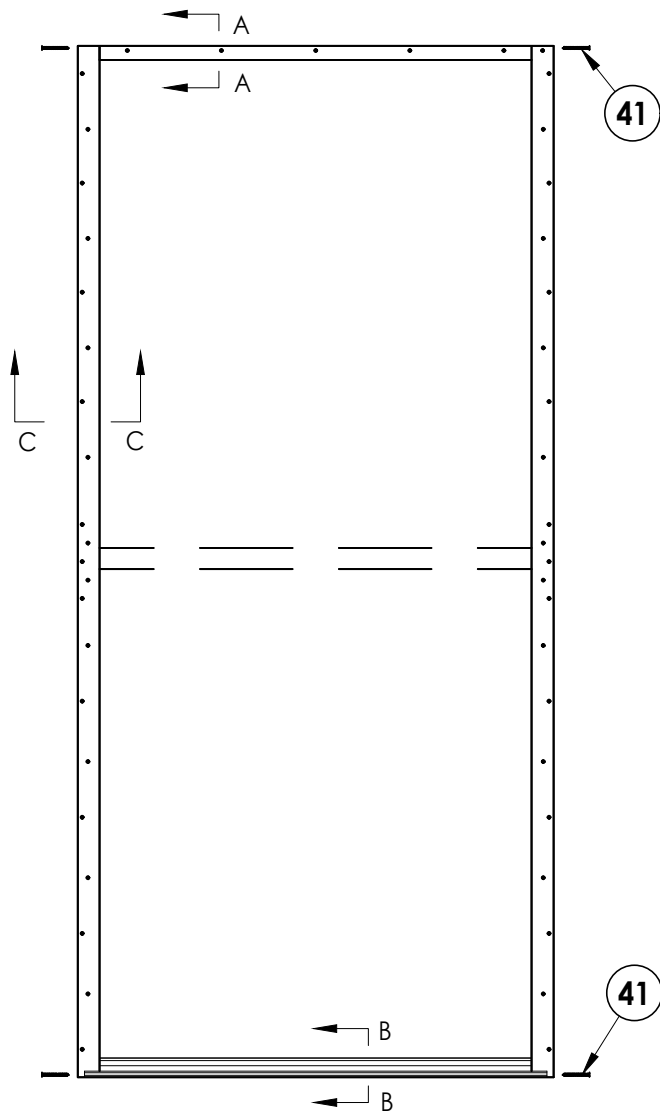
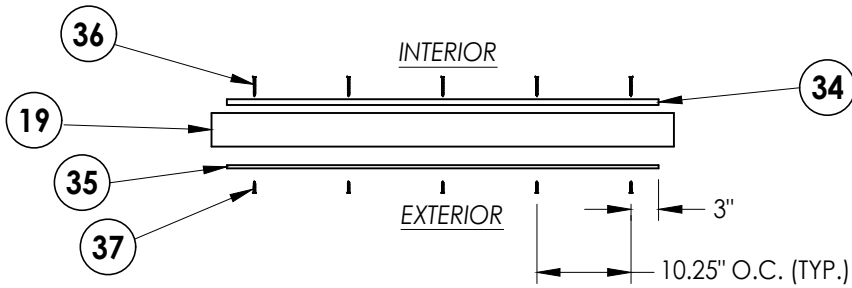
SECTION A-A



SECTION C-C



SECTION B-B



Documents Prepared By:
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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
FRAME DETAILS

NO.	DATE	REVISIONS			
		BY	JK	JK	JK
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

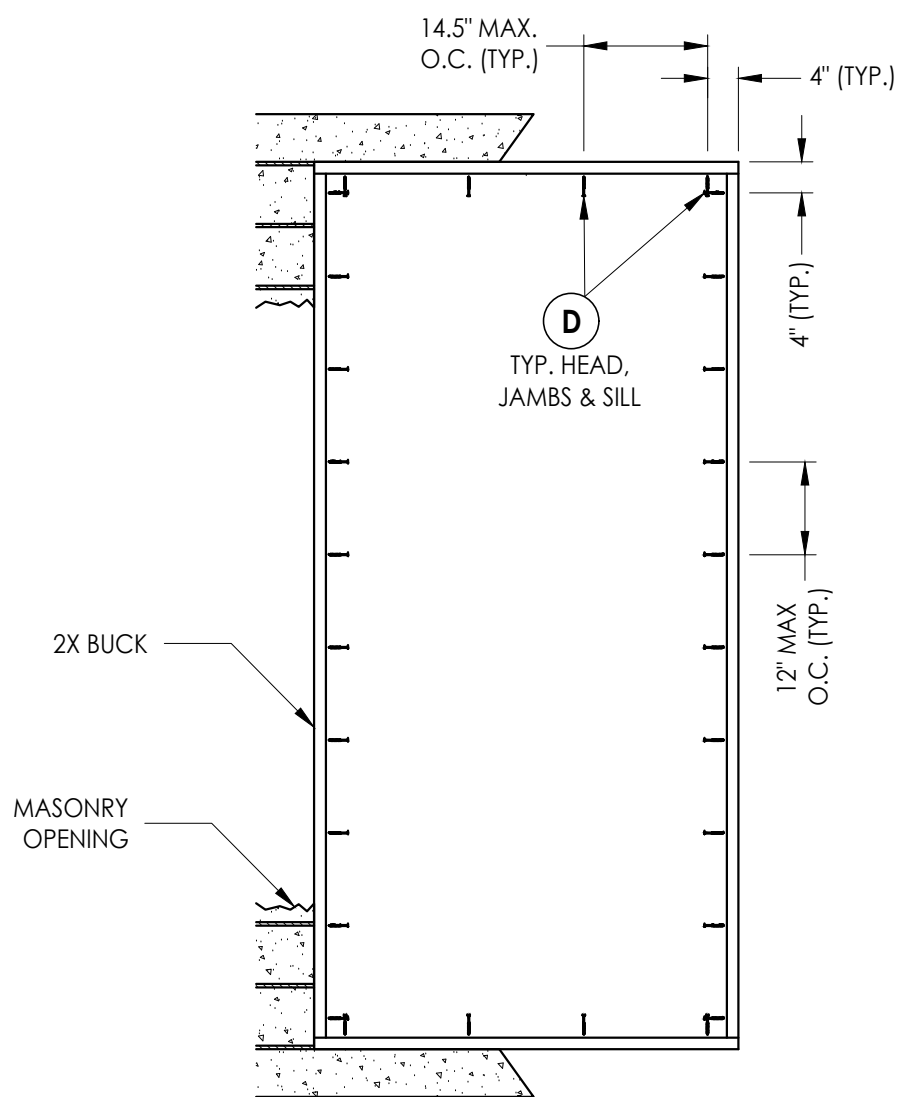
CHK. BY: LFS

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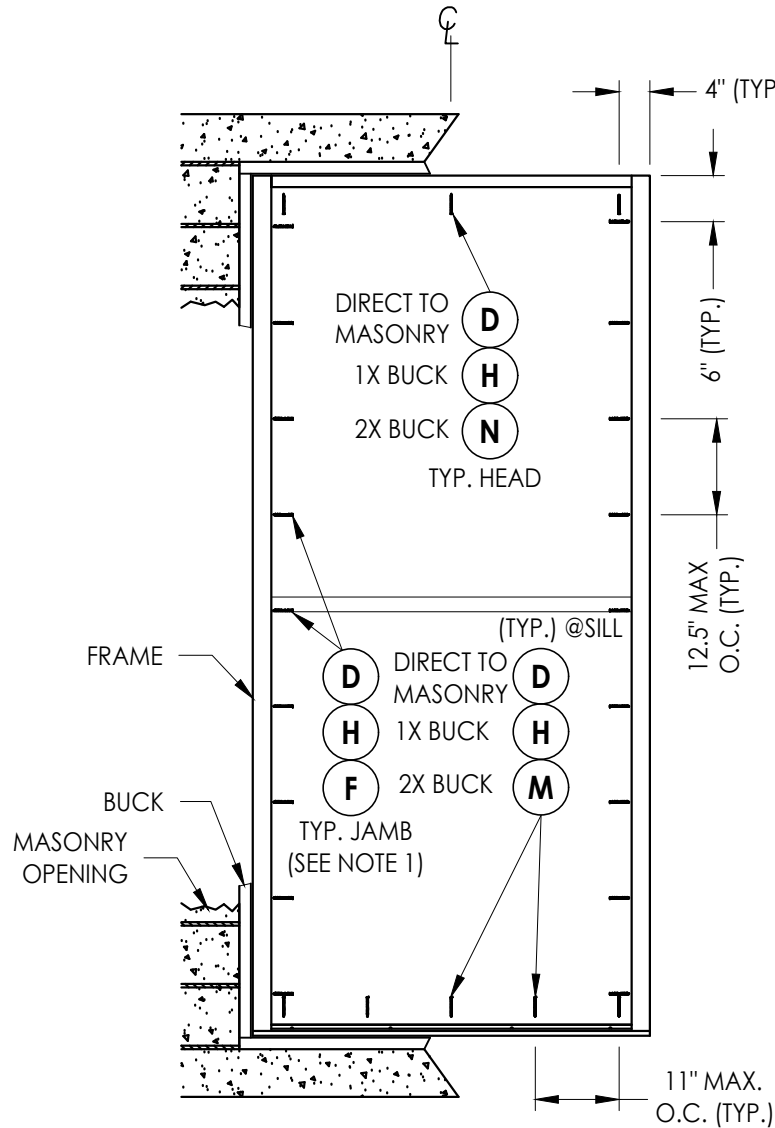
FL-17038.8

SHEET 4 OF 7

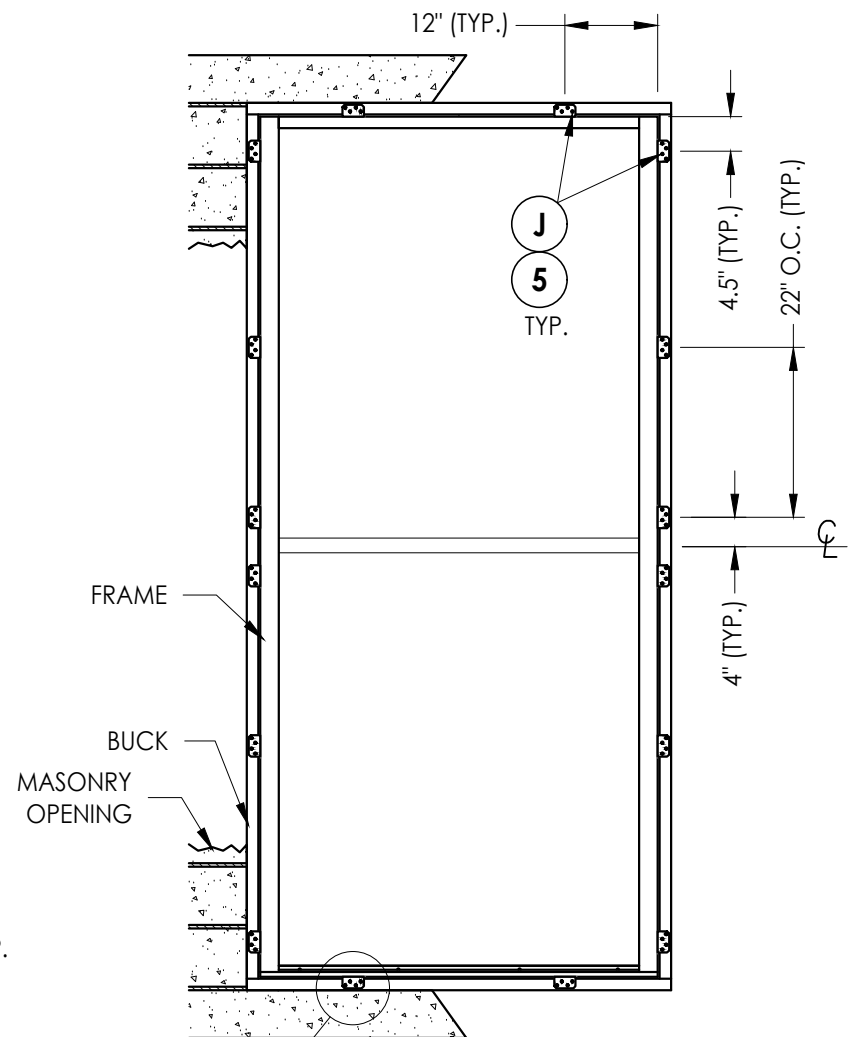
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BUCK ANCHORING
Masonry construction



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:

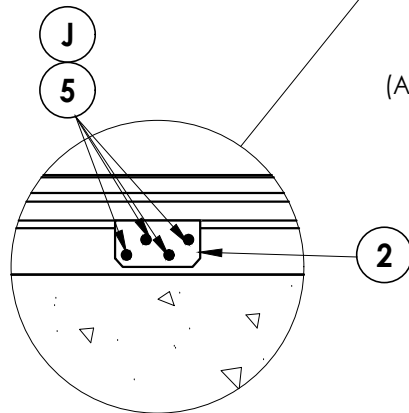
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.



Documents Prepared By:
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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

DATE: 5/7/14

SCALE: N.T.S.

DWG. BY: JK

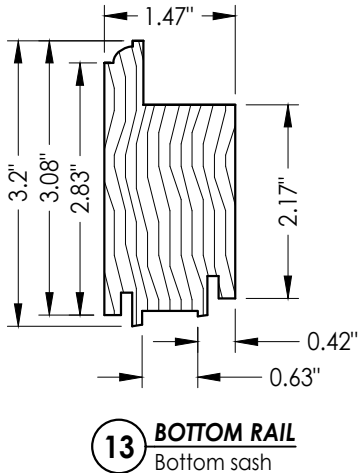
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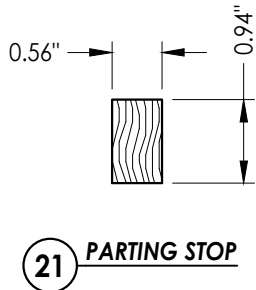
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SHEET 5 OF 7

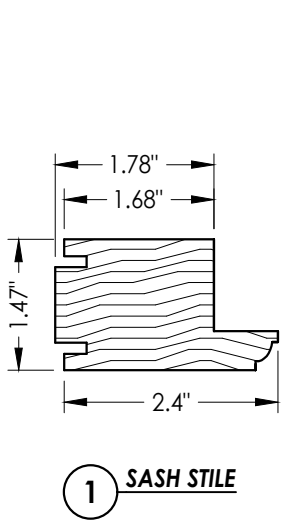
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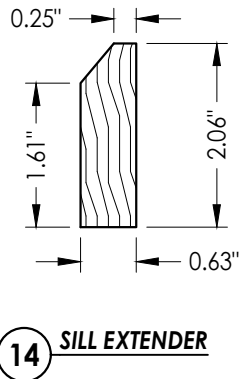
13 **BOTTOM RAIL**
Bottom sash



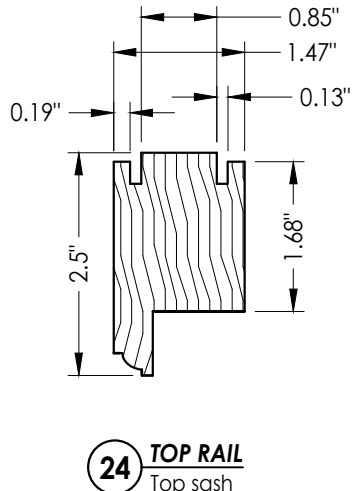
21 **PARTING STOP**



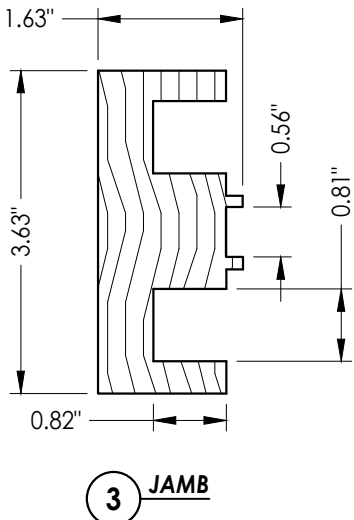
1 **SASH STILE**



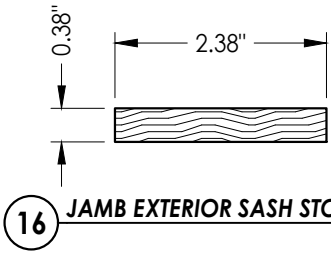
14 **SILL EXTENDER**



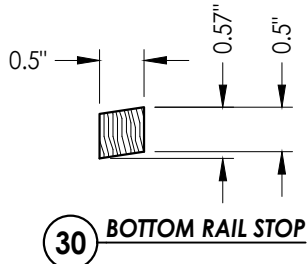
24 **TOP RAIL**
Top sash



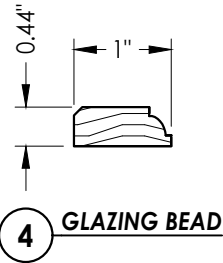
3 **JAMB**



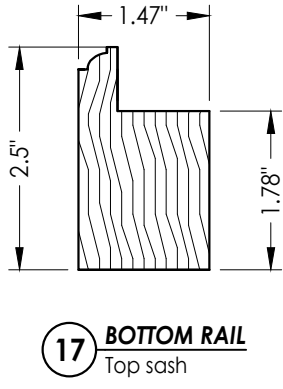
16 **JAMB EXTERIOR SASH STOP**



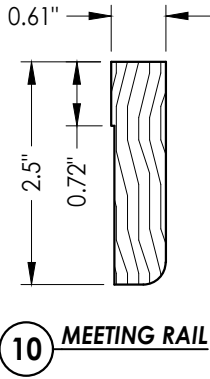
30 **BOTTOM RAIL STOP**



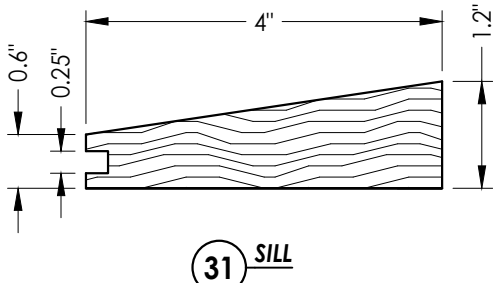
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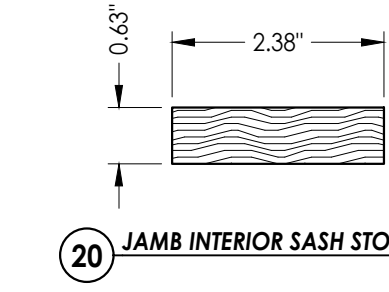
17 **BOTTOM RAIL**
Top sash



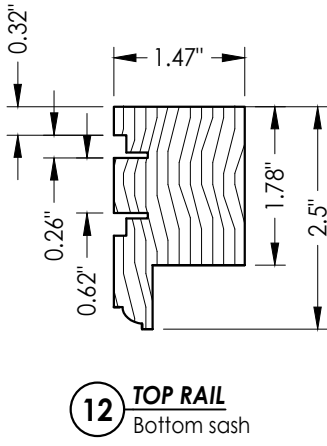
10 **MEETING RAIL**



31 **SILL**



20 **JAMB INTERIOR SASH STOP**



12 **TOP RAIL**
Bottom sash

DATE:	5/7/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17038.8
SHEET	6 OF 7

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

PRODUCT:	MILLWORK ARTISANS DOUBLE HUNG WINDOW
PART OR ASSEMBLY:	COMPONENTS

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