

145 KING STREET
CHARLESTON, SC 29401

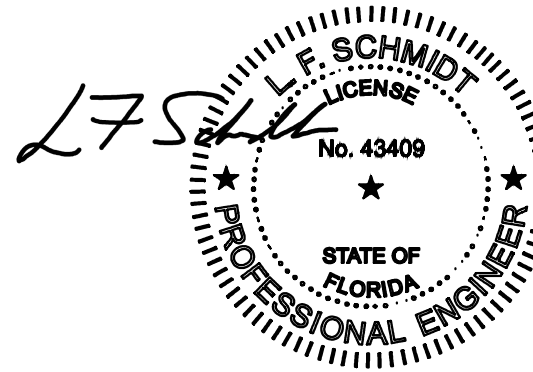
TWIN DOUBLE HUNG WINDOW

"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements 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
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4	Vertical cross sections
5	Frame details
6	Buck anchoring
7	Frame anchoring
8	Components
9	Bill of materials, glazing details and components

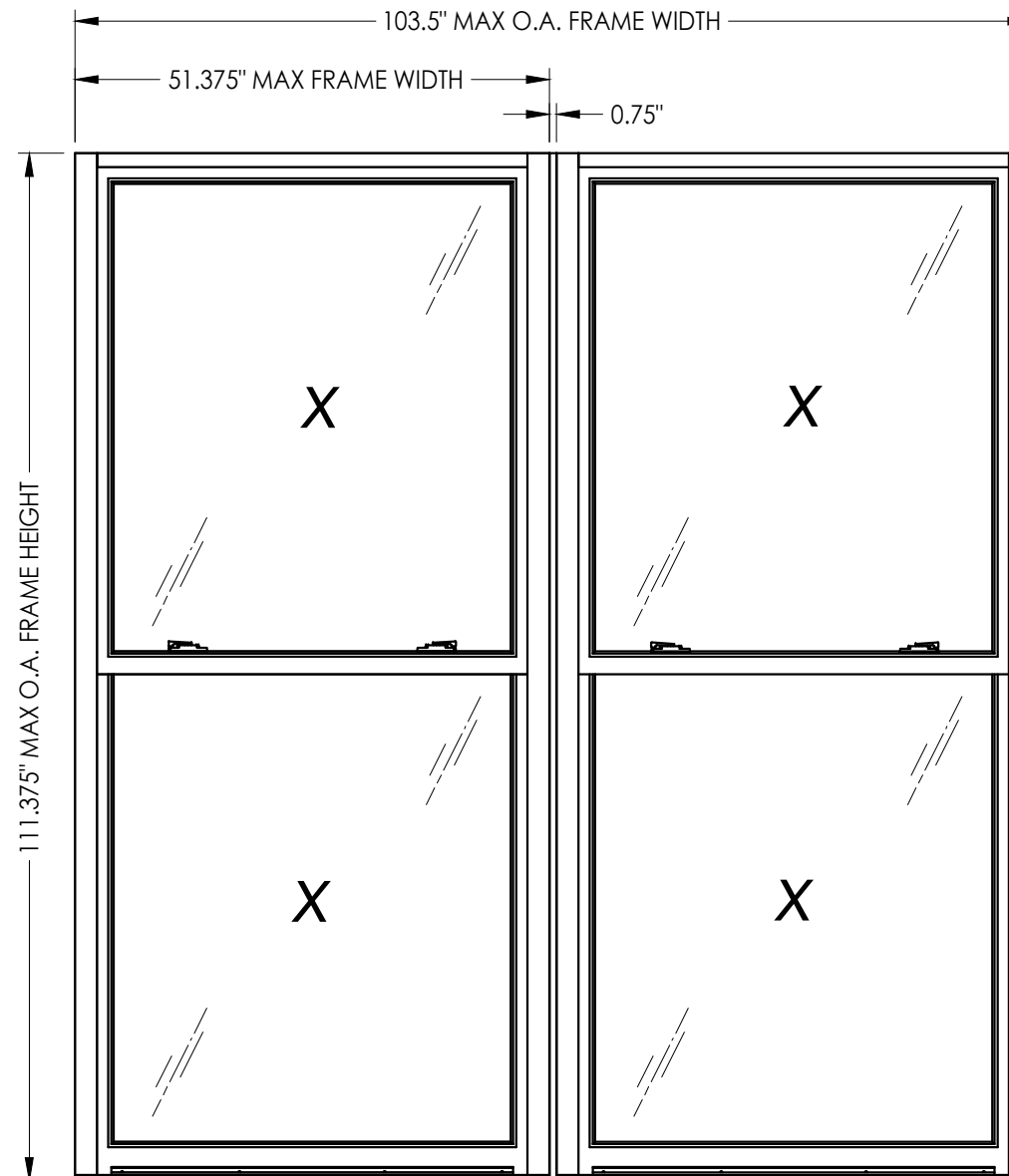


Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
16:41:33 -04'00'

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



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
103.5" x 111.375"	43.0" x 50.5"	G1, G2	+47.0	-50.0

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

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: MILLWORK ARTISANS
DOUBLE HUNG WINDOW

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

[illegible]

DATE: 5/7/14

SCALE: N.T.S.

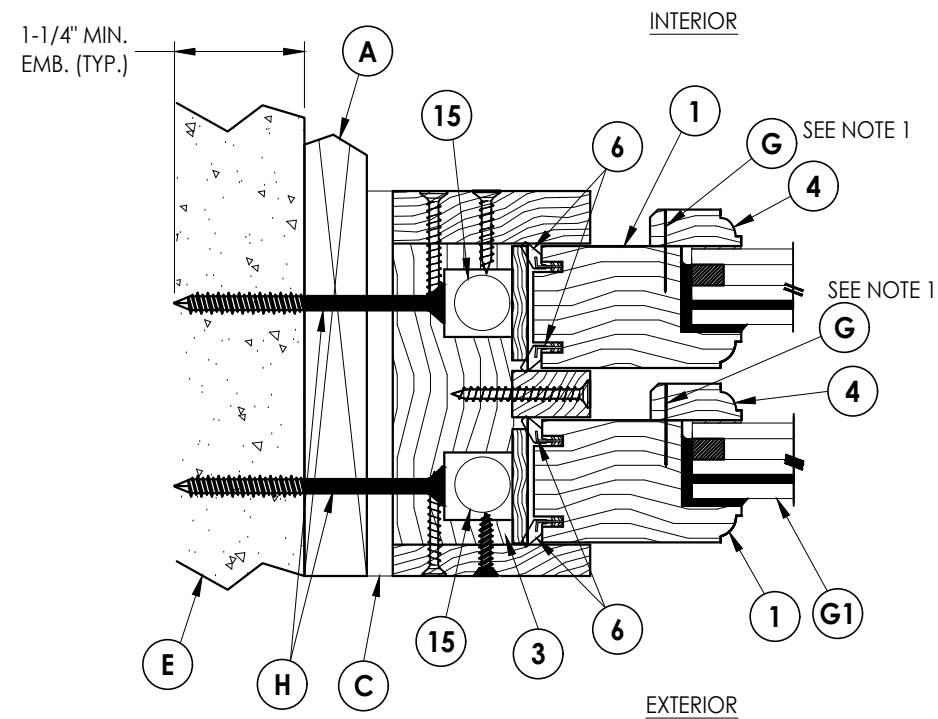
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CHK. BY: *LFS*

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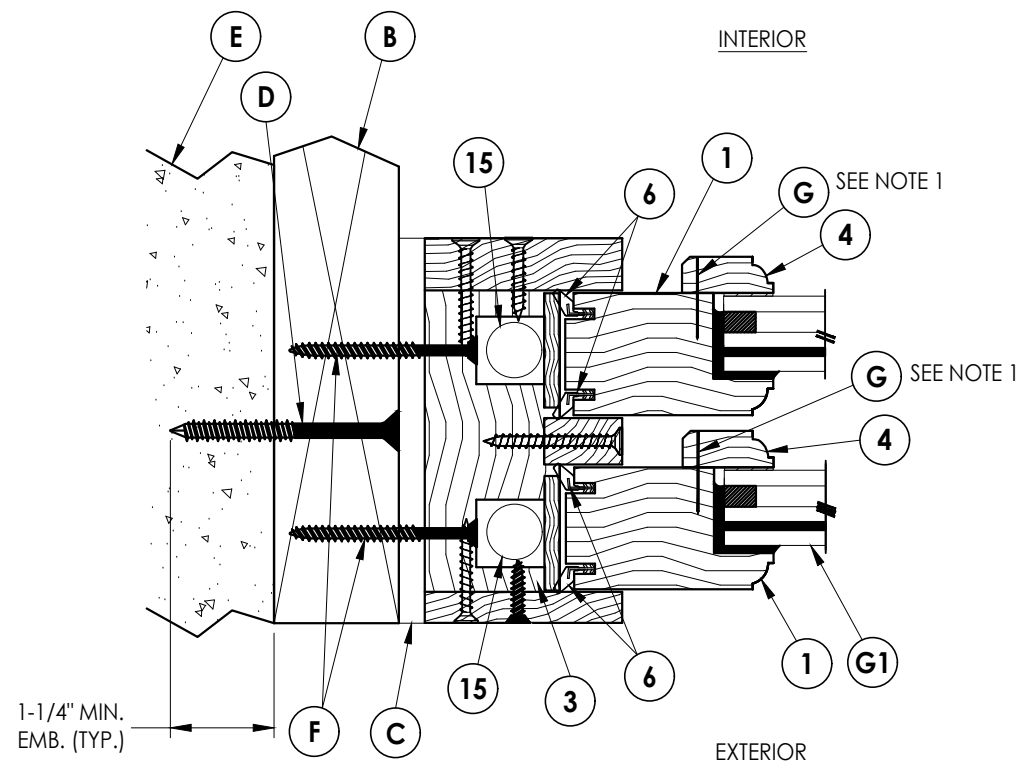
FL-17038.6

SHEET 1 OF 9

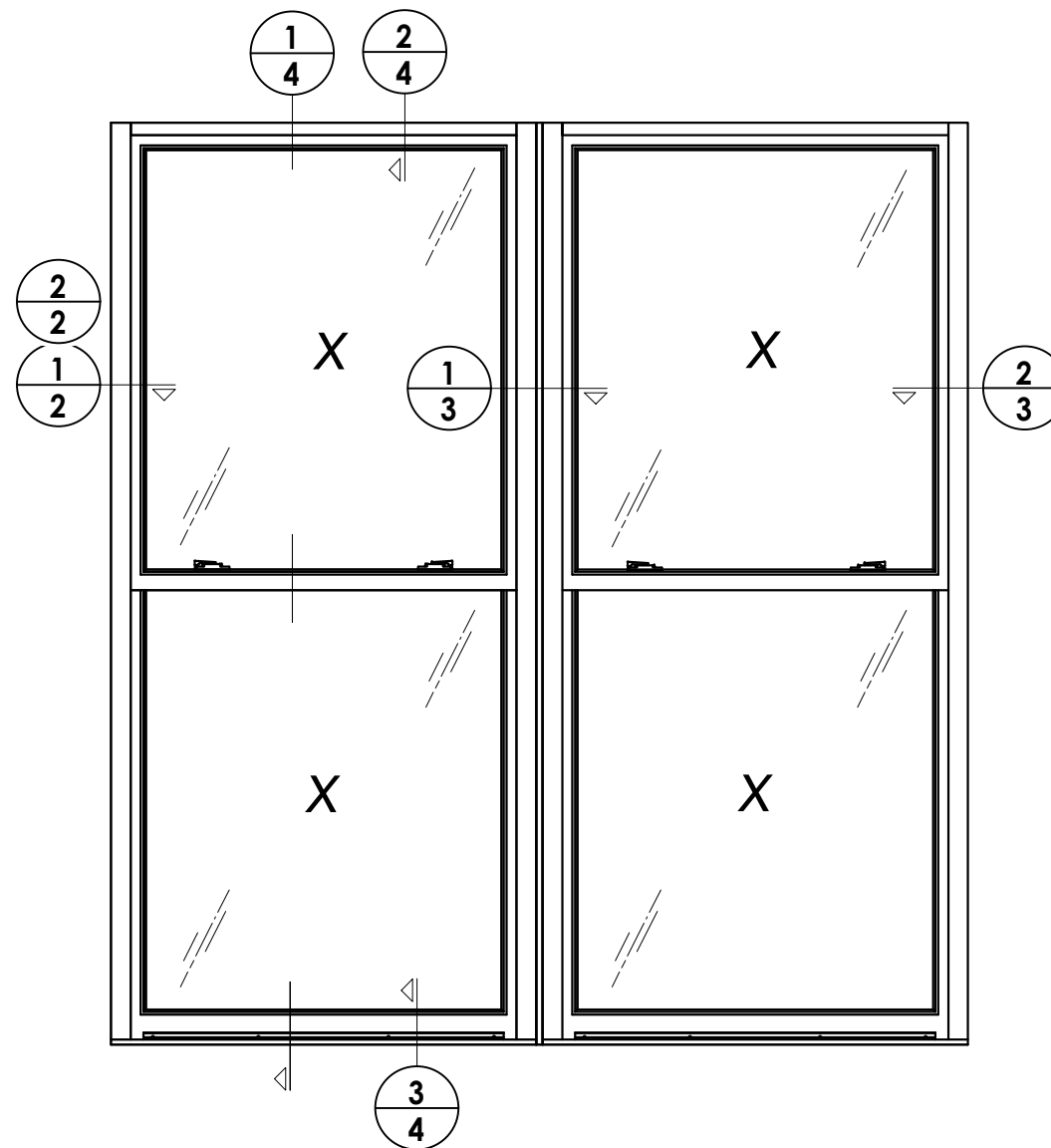


1 **HORIZONTAL CROSS SECTION**

2 1X Buck Construction (Thru-the-Frame Installation)



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



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

PRODUCT: MILLWORK ARTISANS DOUBLE HUNG WINDOW		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
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

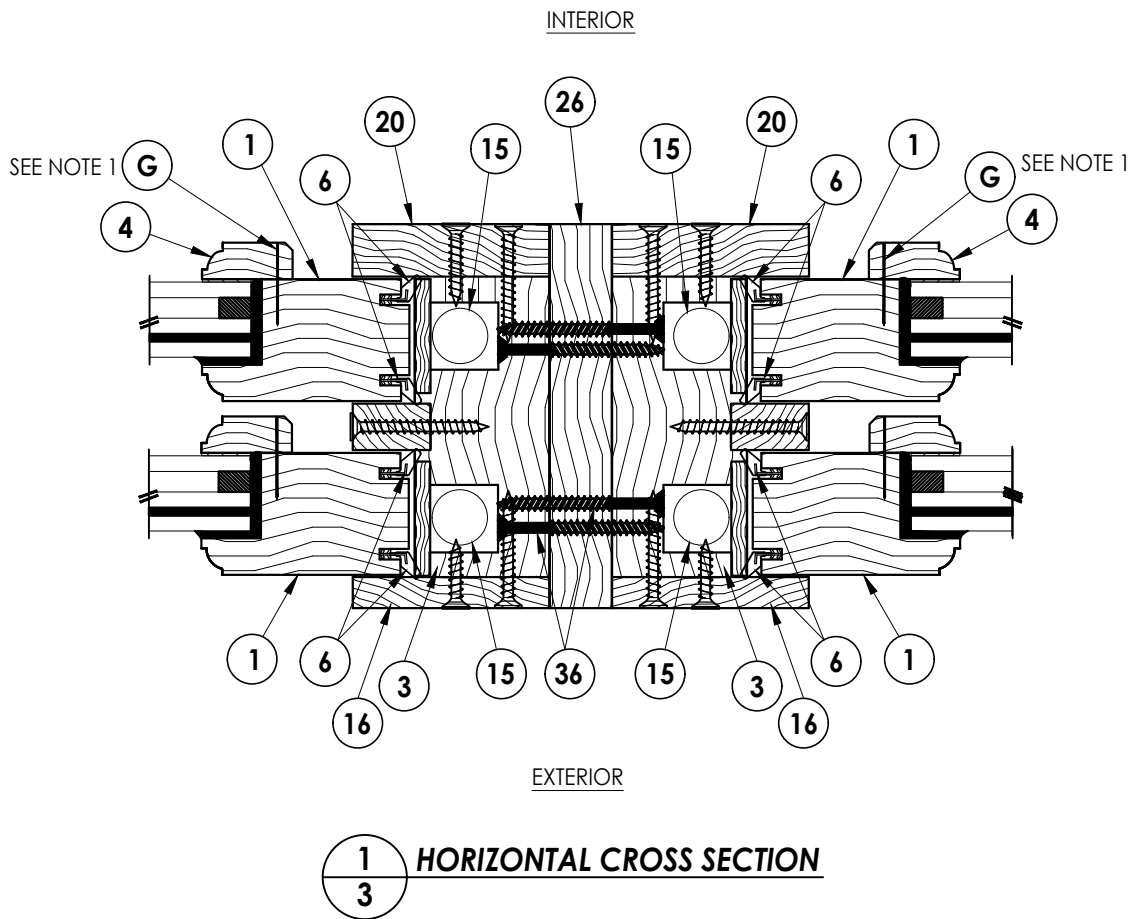
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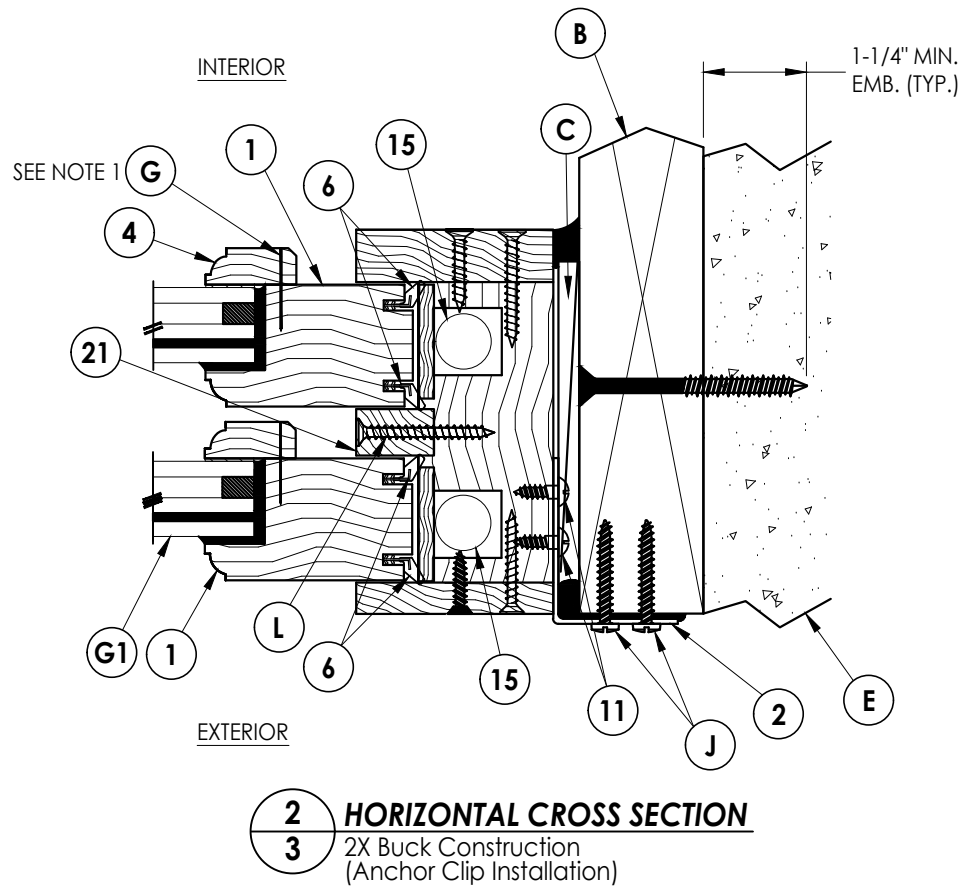
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SHEET 2 **OF** 9

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NOTE:
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then 10" on center.



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		BY	CHK	DATE
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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-17038.6
SHEET 3 OF 9

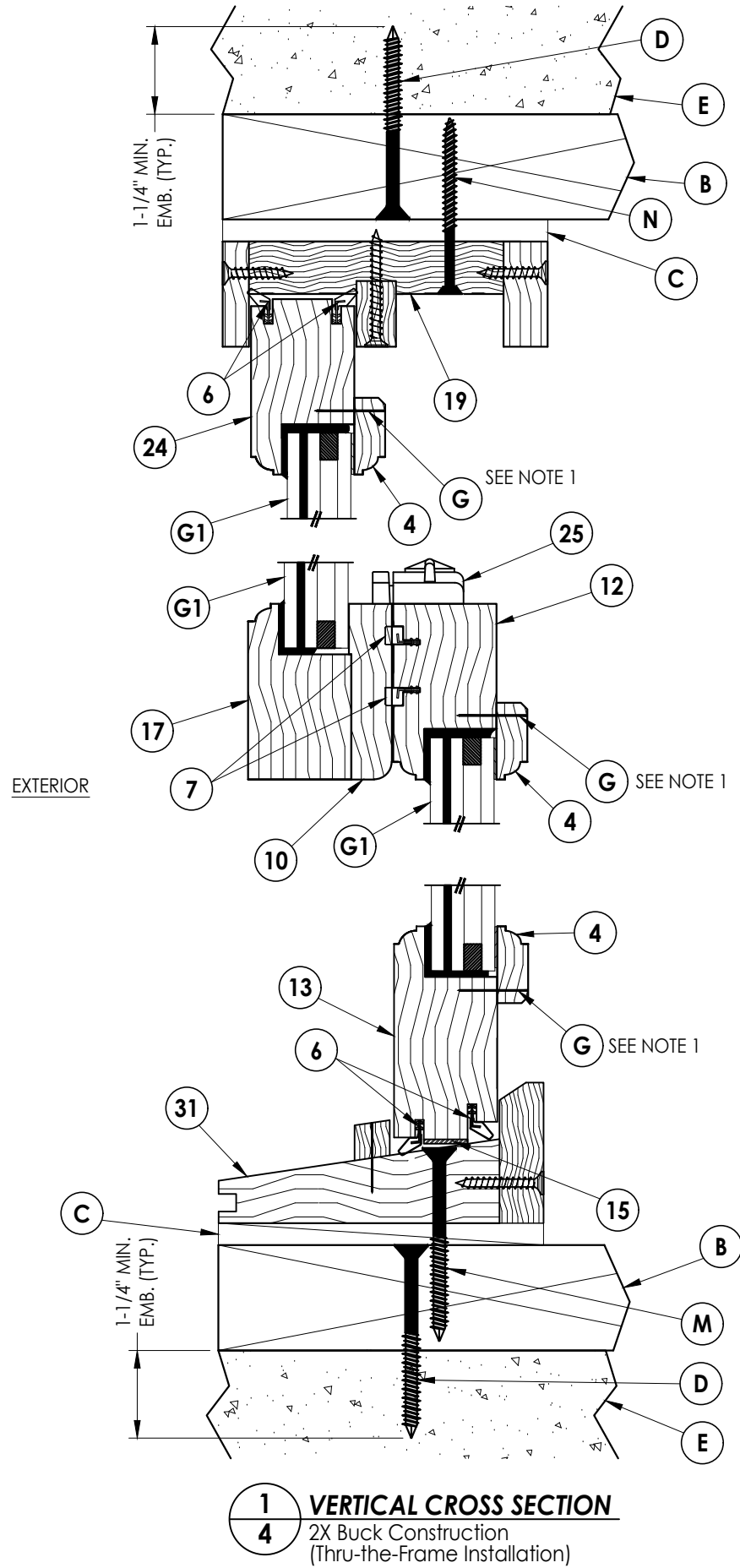
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MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

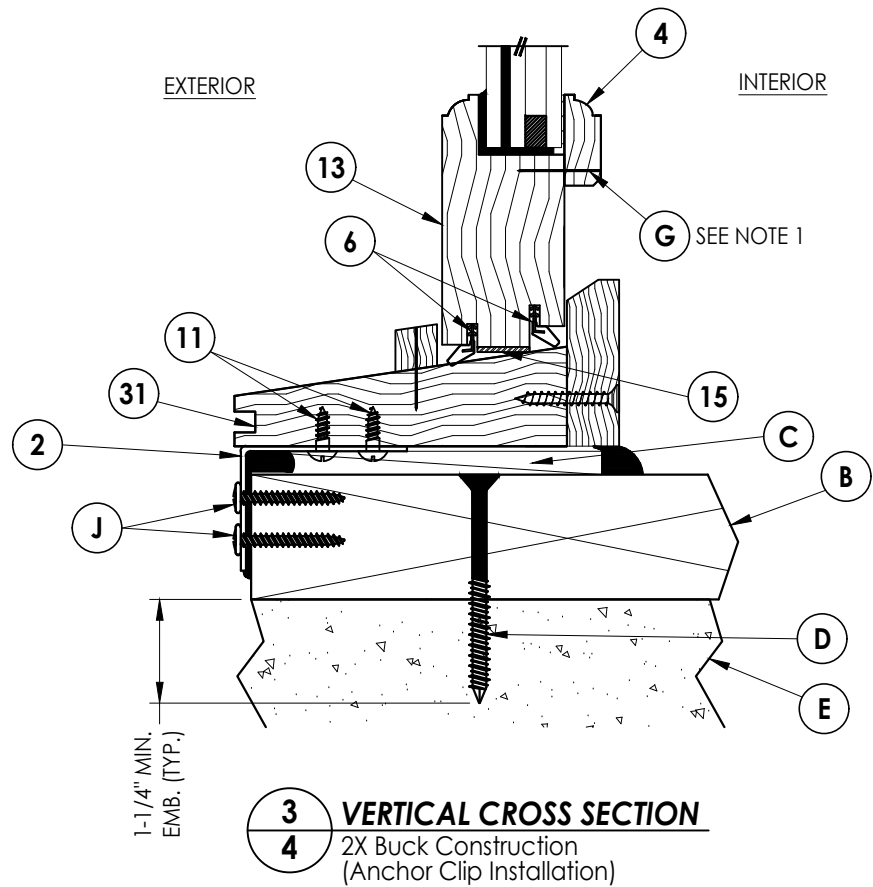
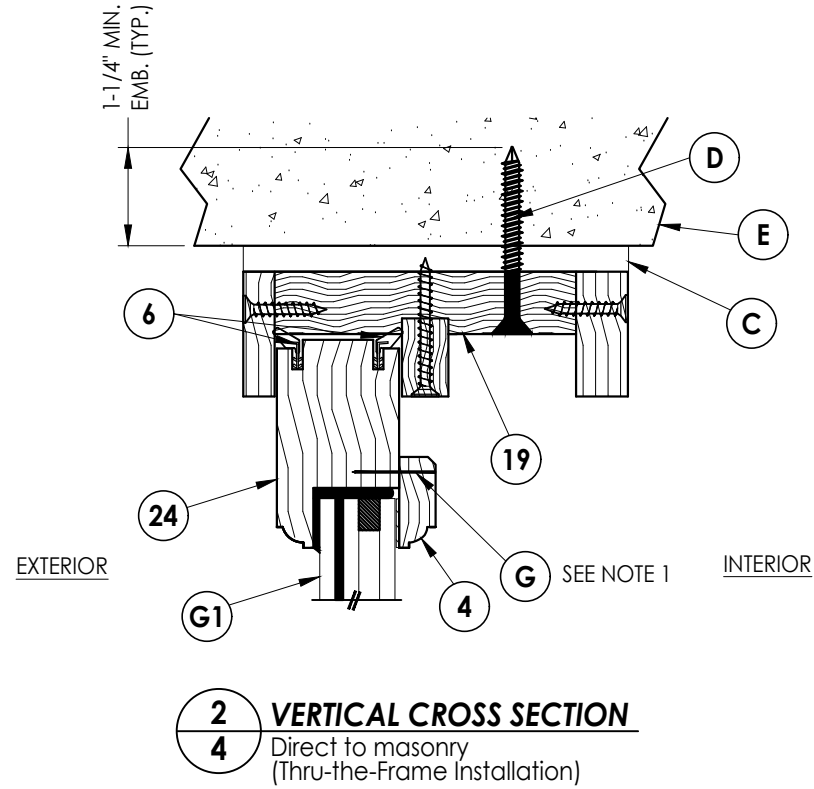
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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

REVISIONS			
NO.	DATE	BY	JK
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DATE: 5/7/14

SCALE: N.T.S.

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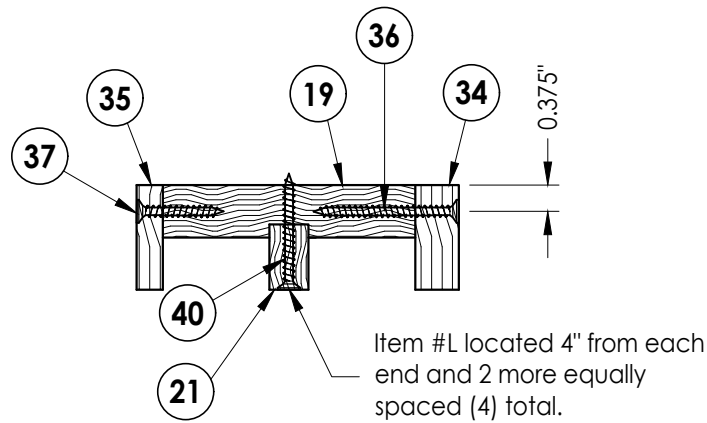
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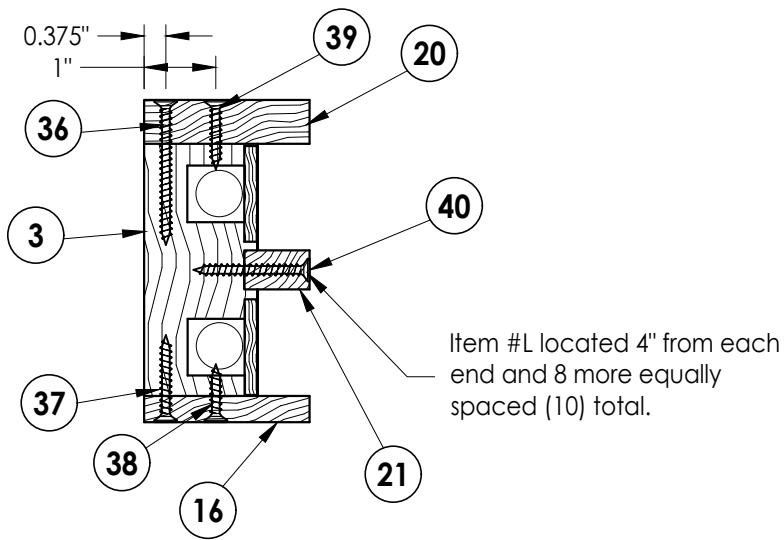
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SHEET 4 OF 9

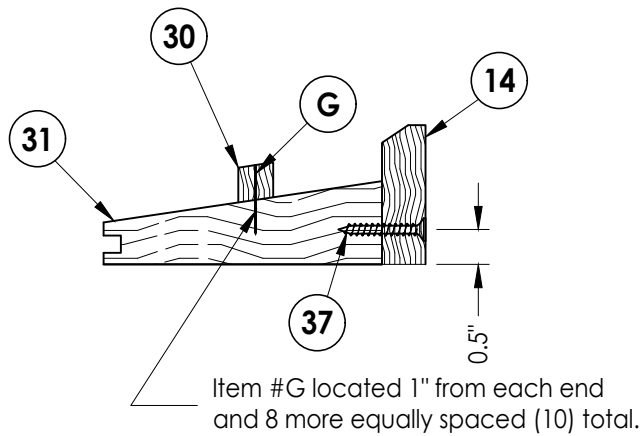
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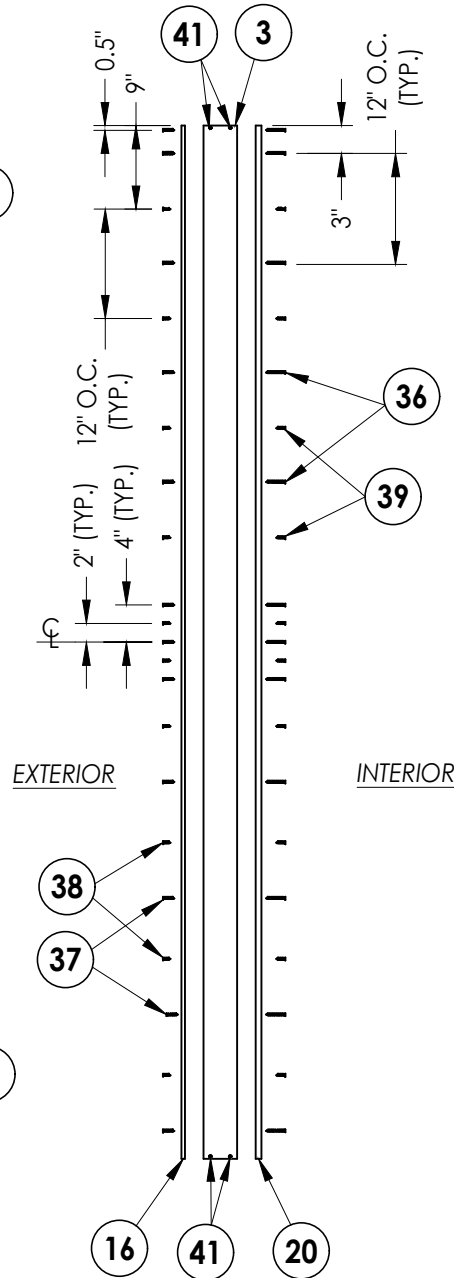
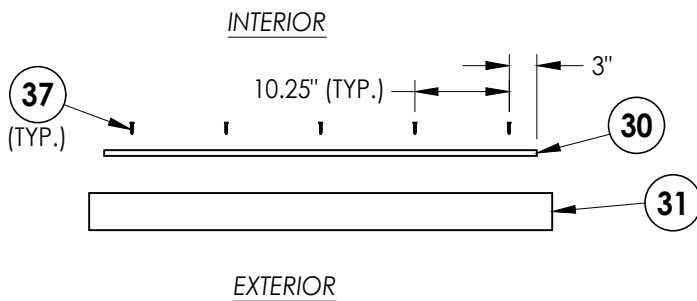
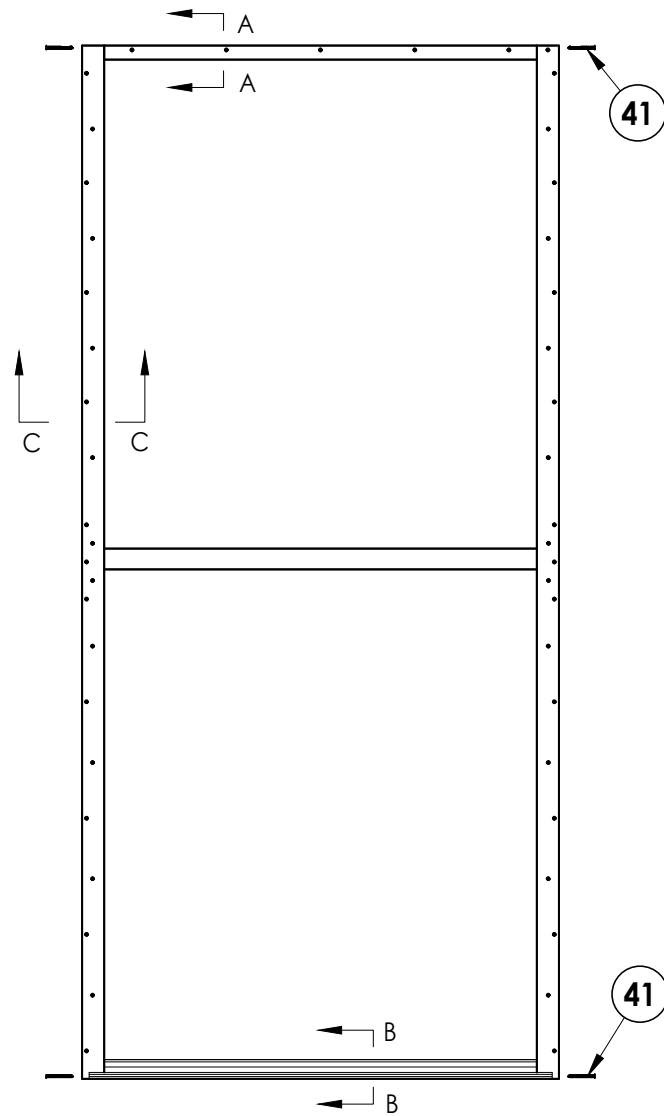
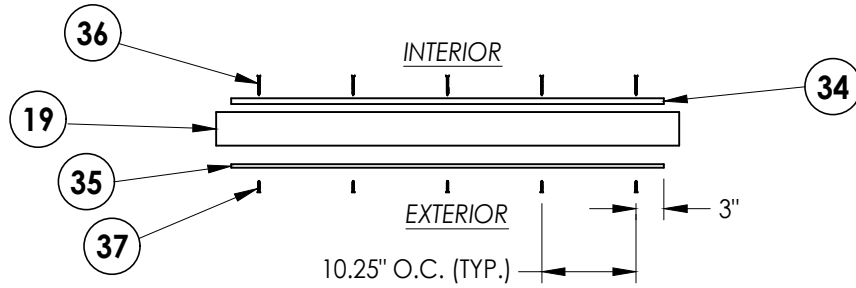
SECTION A-A



SECTION C-C



SECTION B-B



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MILLWORK ARTISANS
DOUBLE HUNG WINDOW

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SCALE: N.T.S.

DWG. BY: JK

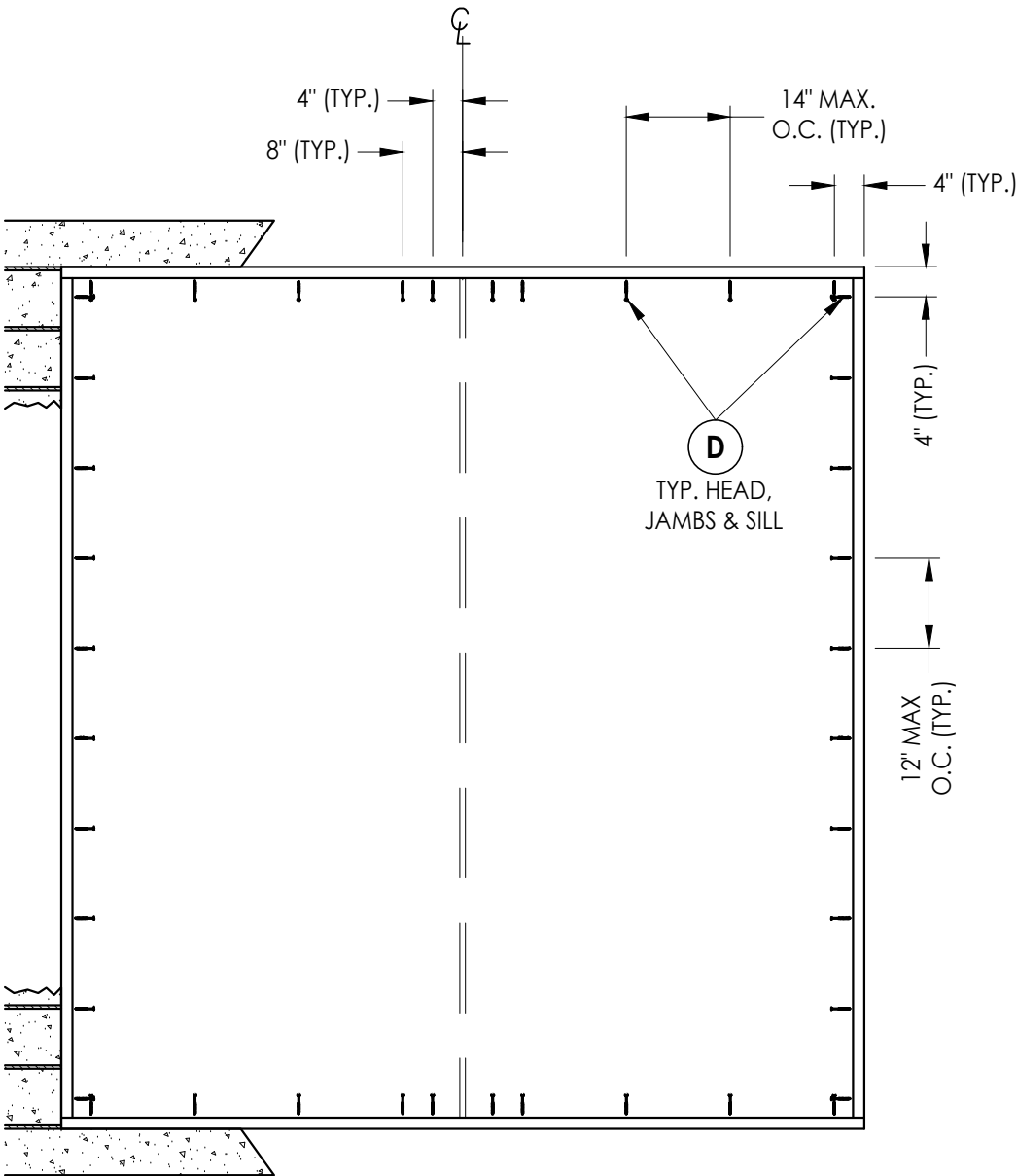
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SHEET 5 OF 9

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BUCK ANCHORING
Masonry construction

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:

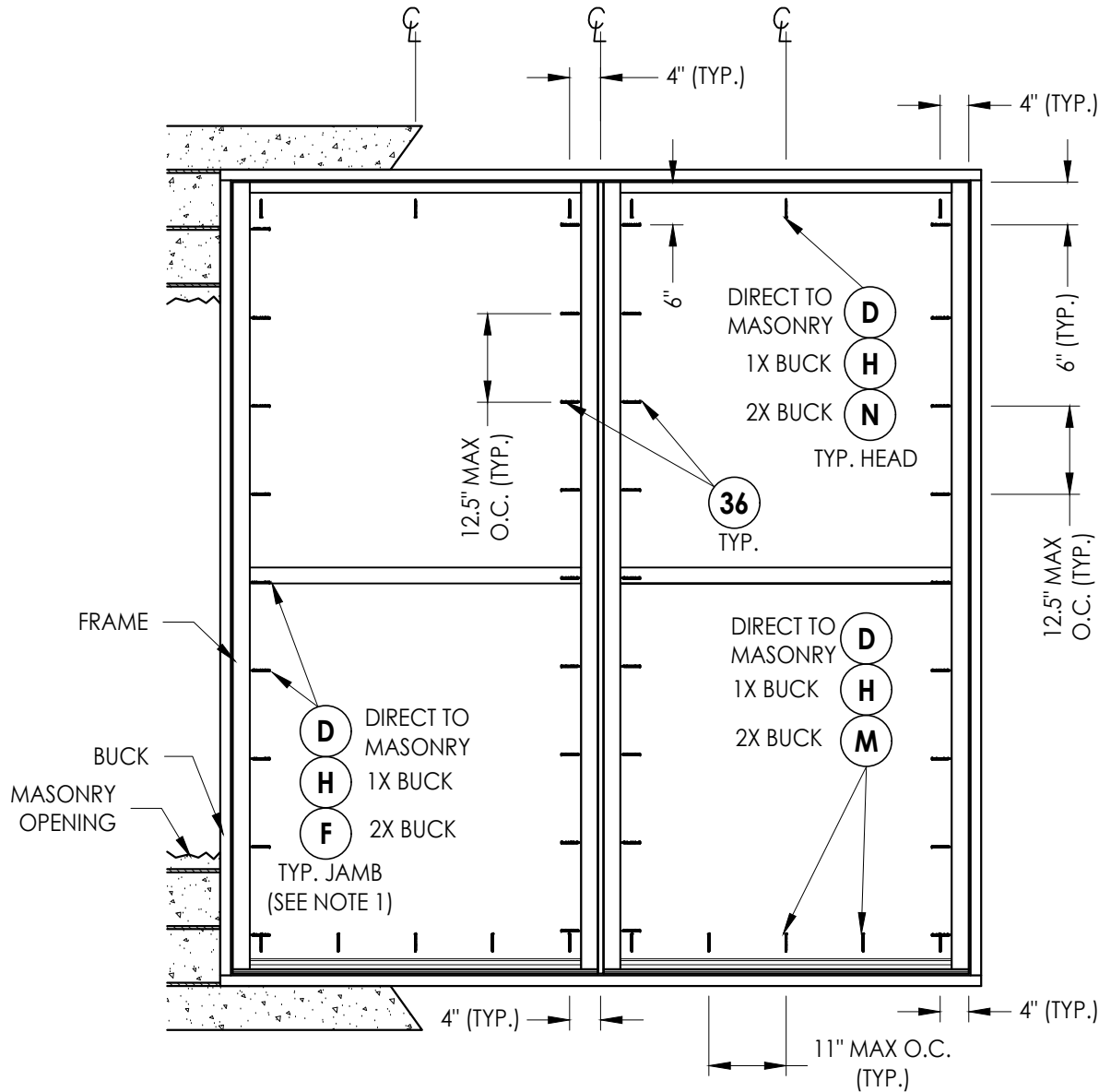
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.

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PRODUCT: MILLWORK ARTISANS DOUBLE HUNG WINDOW				PART OR ASSEMBLY: BUCK ANCHORING			
		9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
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		3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK		
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REVISIONS							
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FRAME ANCHORING
(Thru-the-Frame Installation)

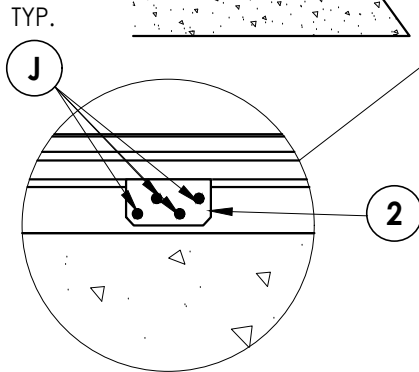
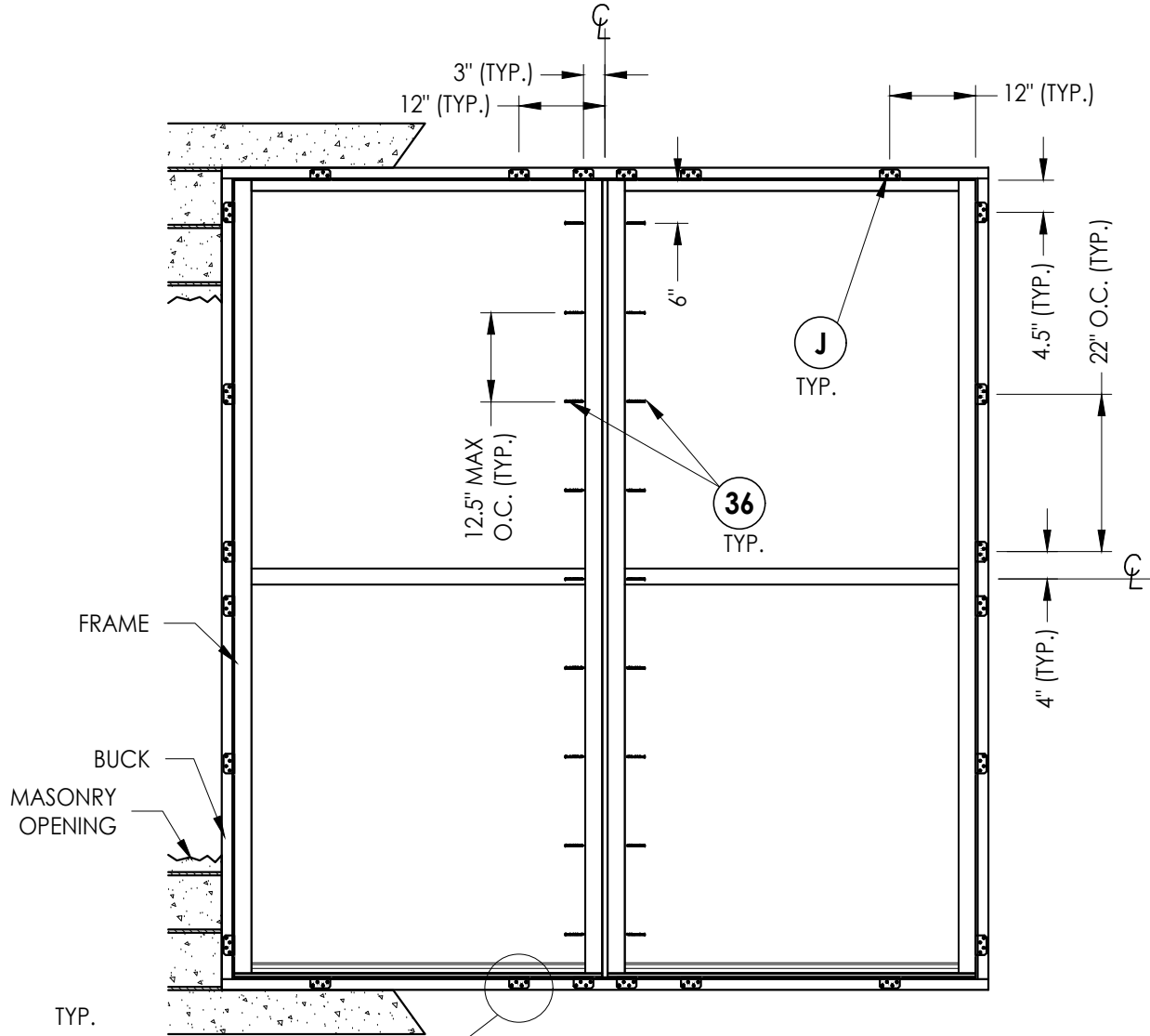
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DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.



FRAME ANCHORING
(Anchor Clip Installation)

NOTE:

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

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DATE: 5/7/14

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DWG. BY: JK

CHK. BY: LFS

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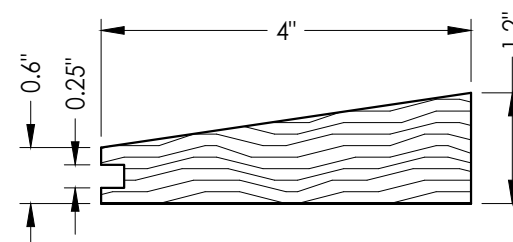
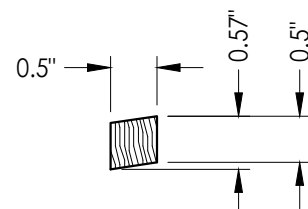
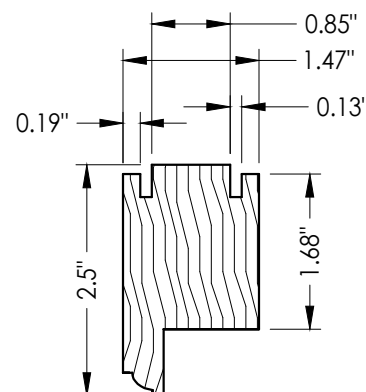
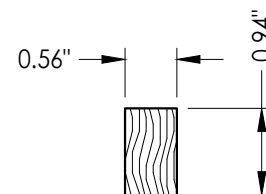
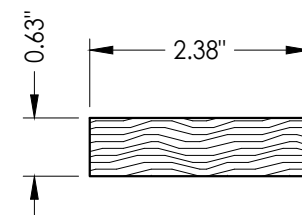
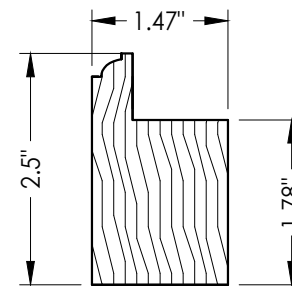
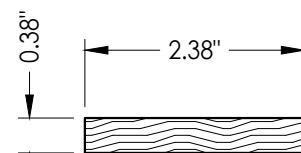
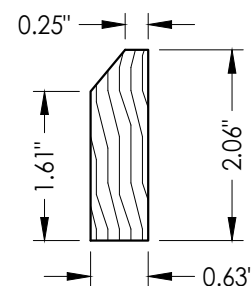
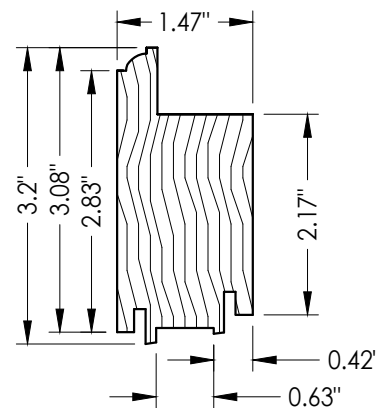
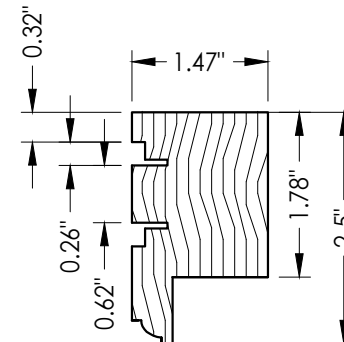
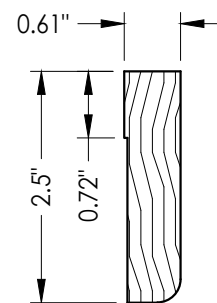
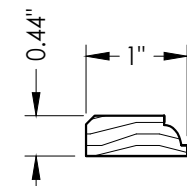
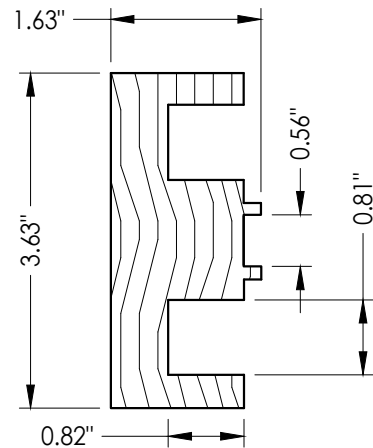
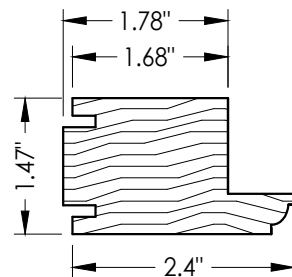
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SHEET 7 OF 9

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PART OR ASSEMBLY:
FRAME ANCHORING

REVISIONS



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DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-17038.6						
SHEET 8 OF 9						

Documents Prepared By:
Lyndon F. Schmidt
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DESIGN-BUILD BUILDING CONSULTANTS, INC.

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