

MILLWORK ARTISANS

145 KING STREET
CHARLESTON, SC 29401

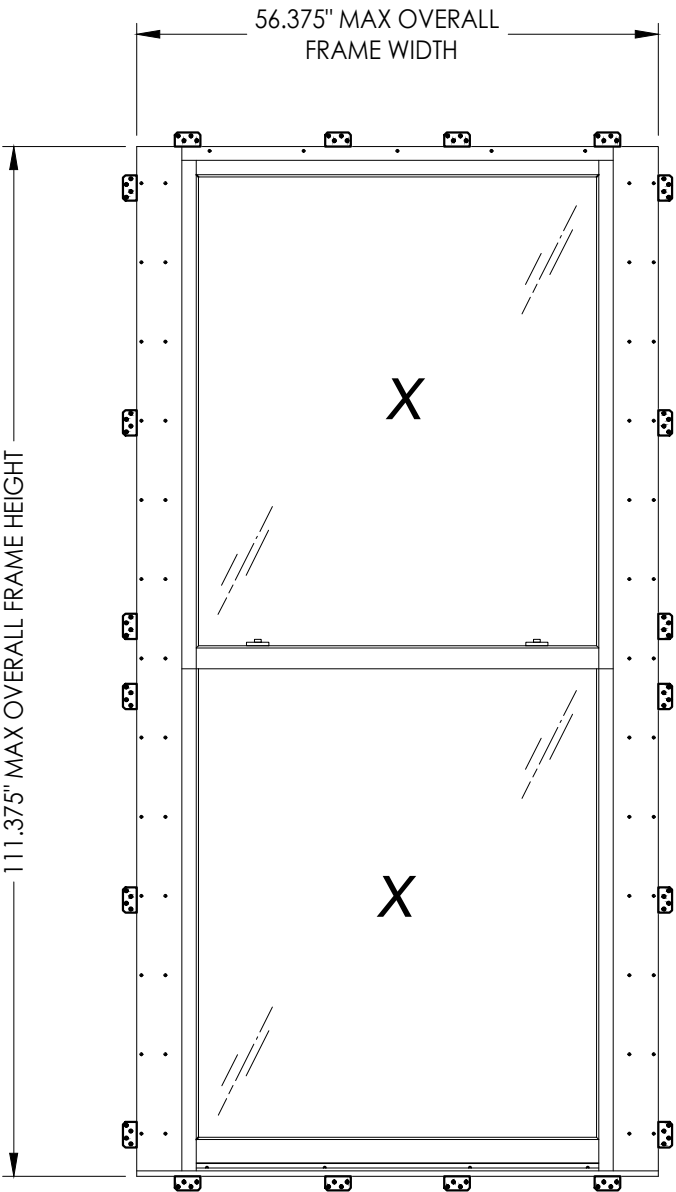
DOUBLE HUNG WINDOW w/ Weight and Chain "IMPACT"

GENERAL NOTES

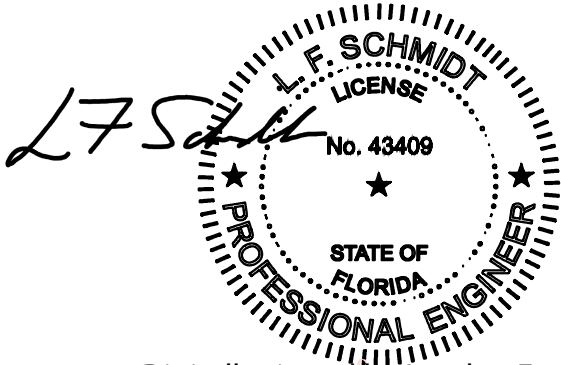
- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ" this product complies with FBC Section 1626 and does not require an impact resistant covering.
- 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.
- This product meets water infiltration requirements for "HVHZ".

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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 16:46:24 -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

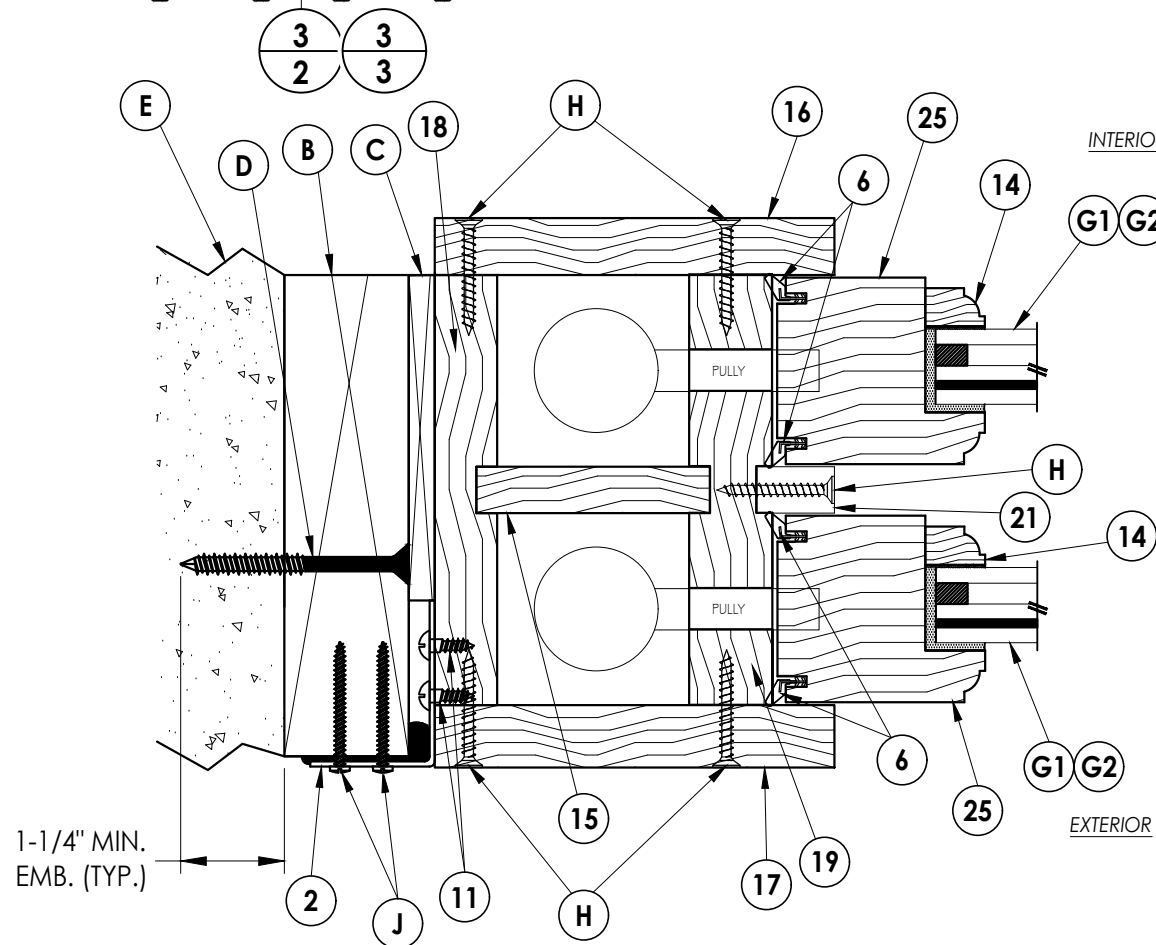
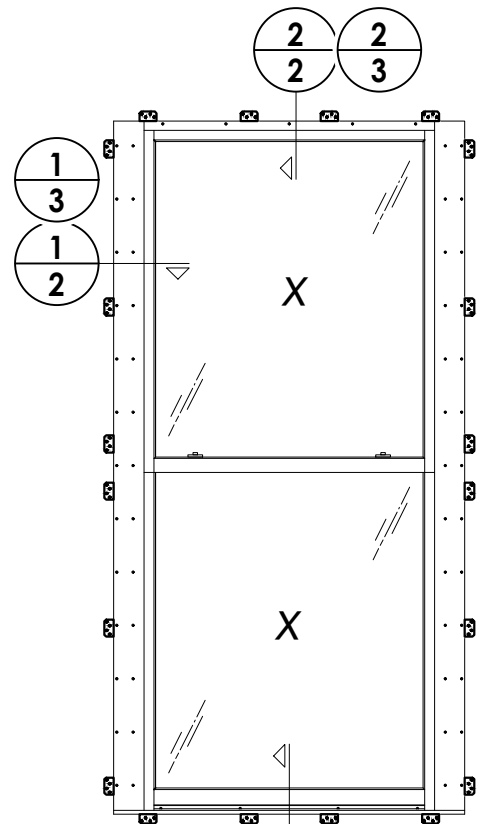
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P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: MILLWORK ARTISANS
DOUBLE HUNG WINDOW
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

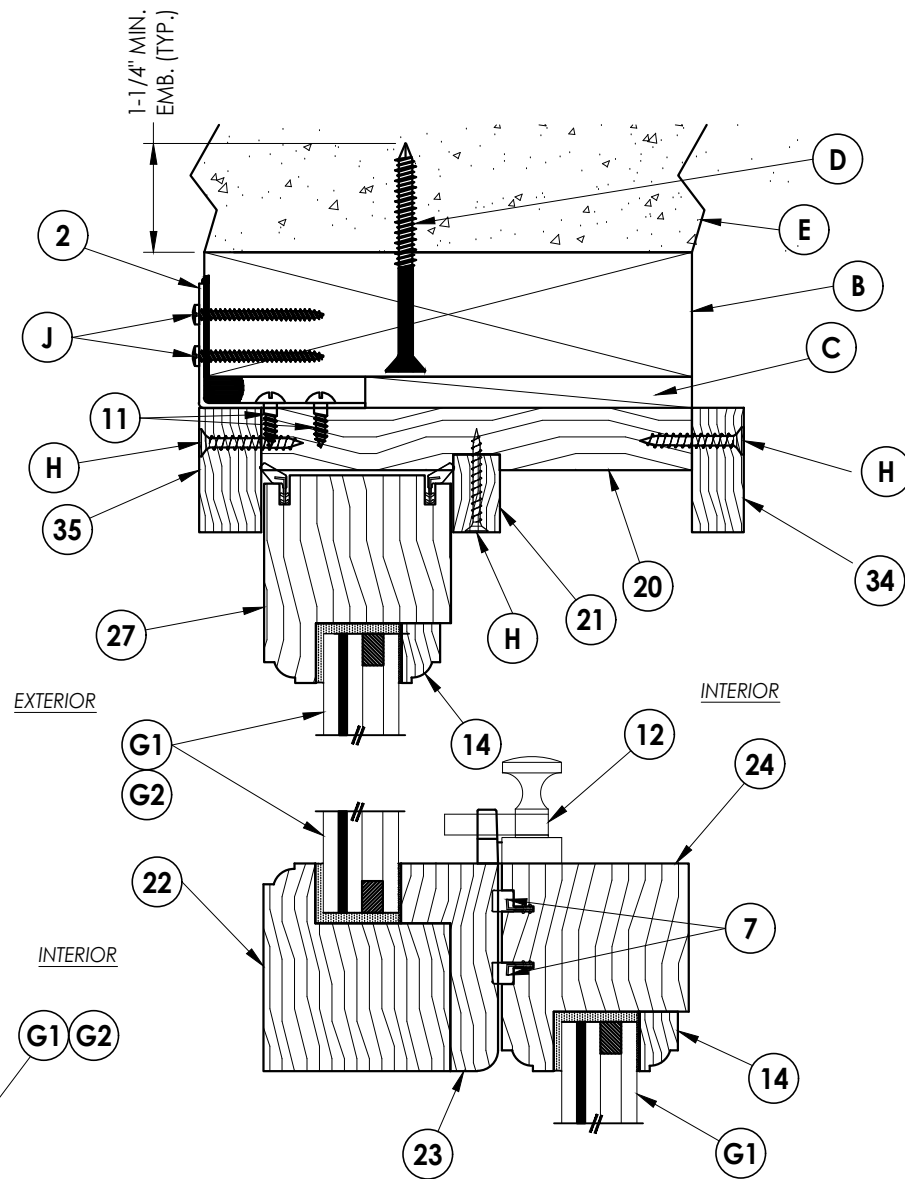
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2	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 5/7/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17038.13
SHEET 1 OF 7

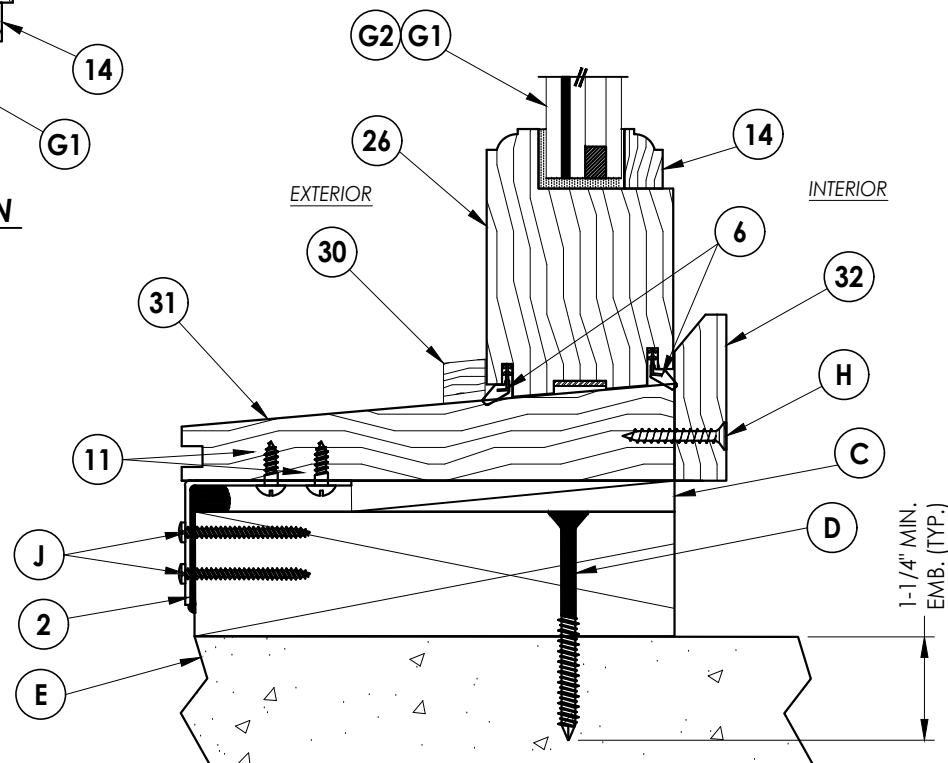
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1
2 **HORIZONTAL CROSS SECTION**
2X Buck Construction
(Anchor Clip Installation)



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



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

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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

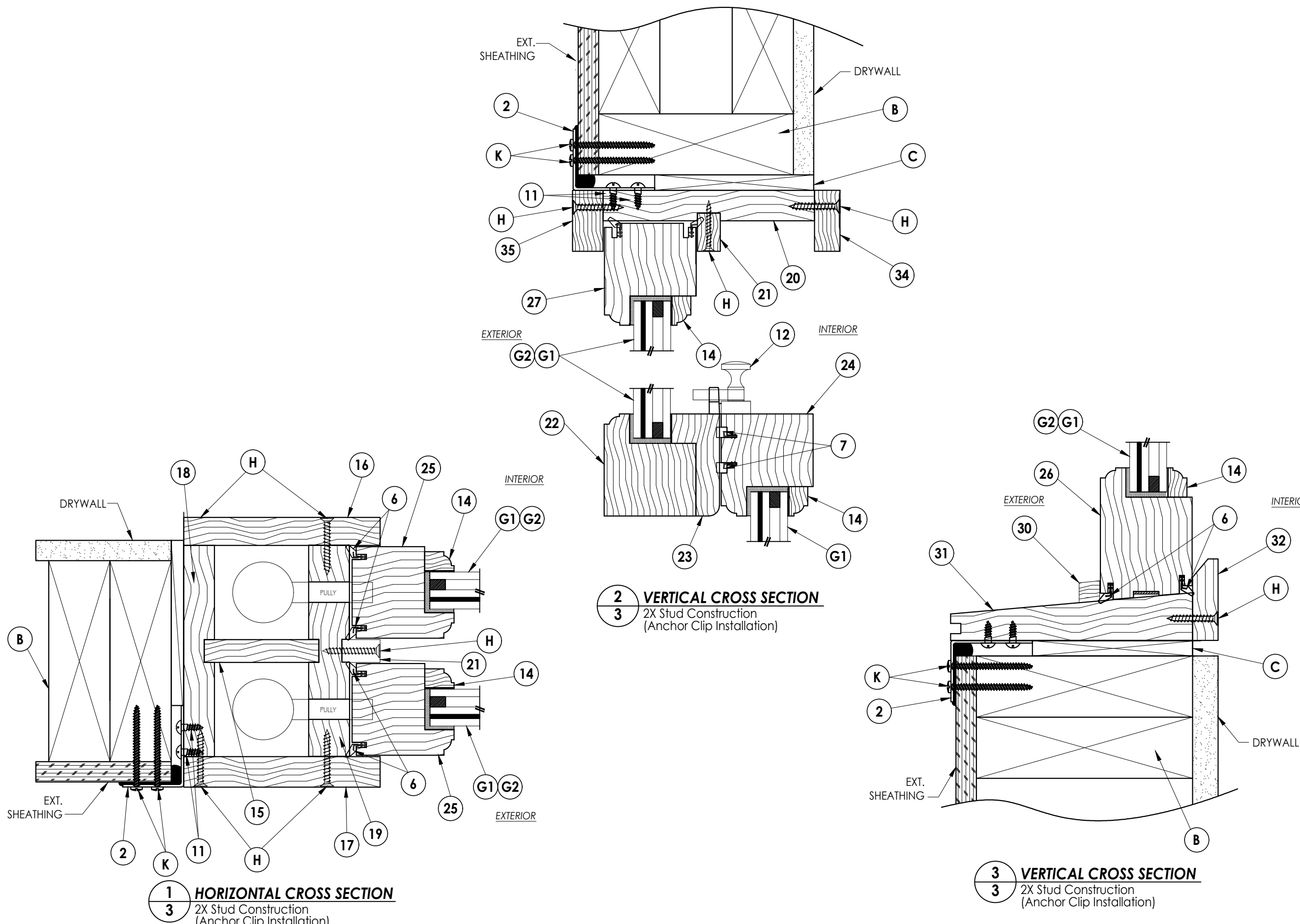
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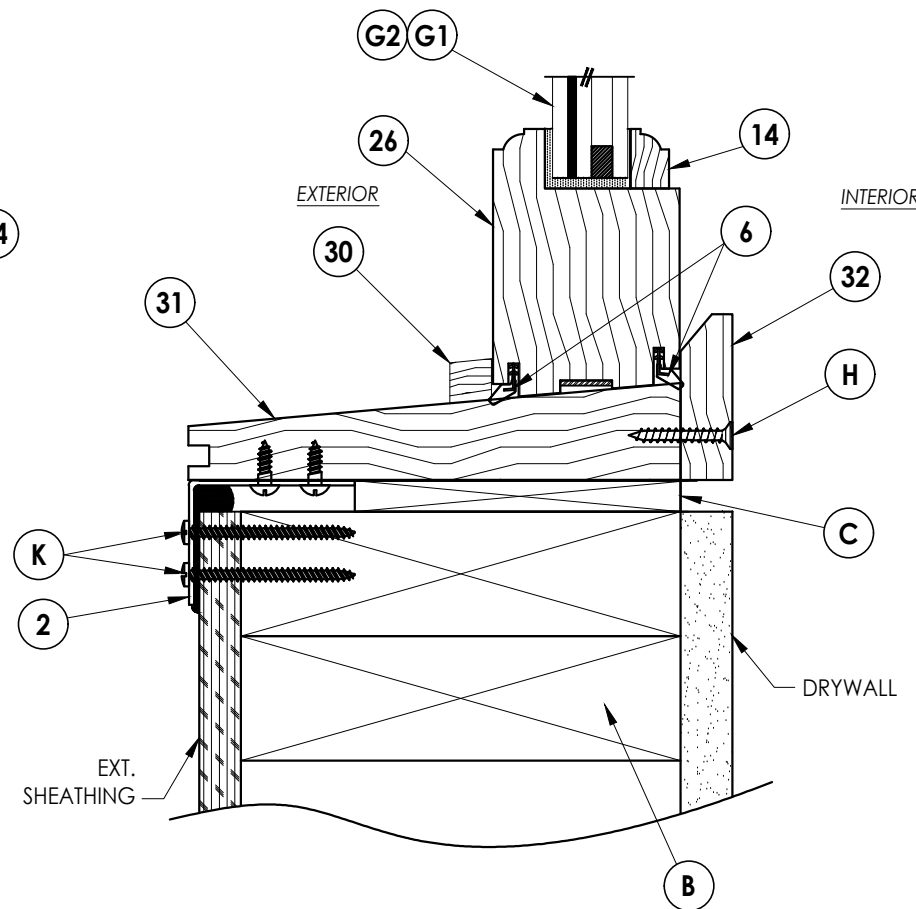
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SHEET 2 OF 7



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

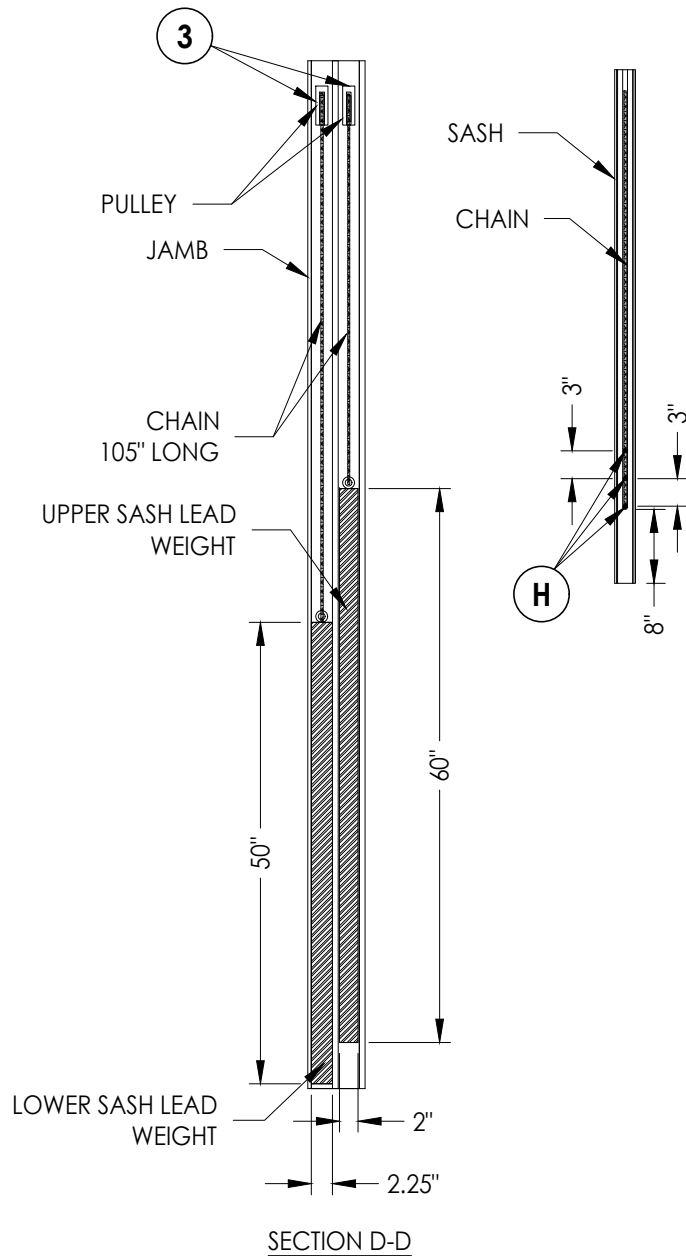
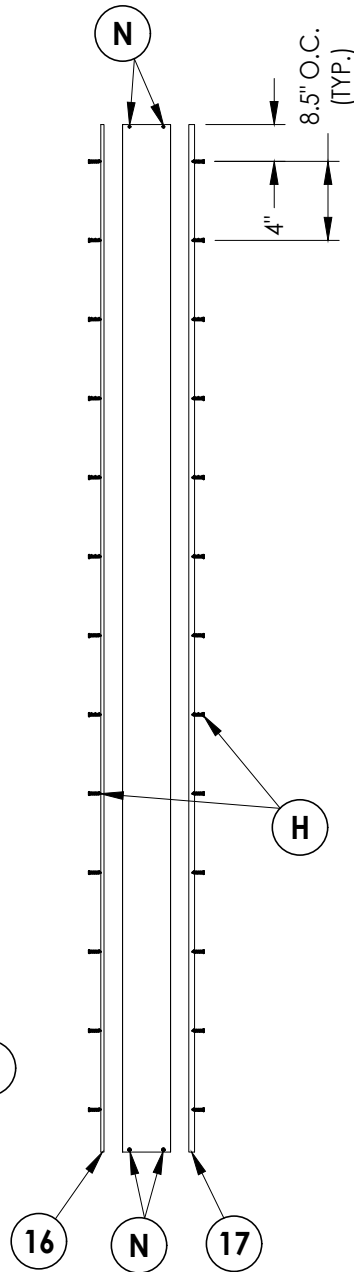
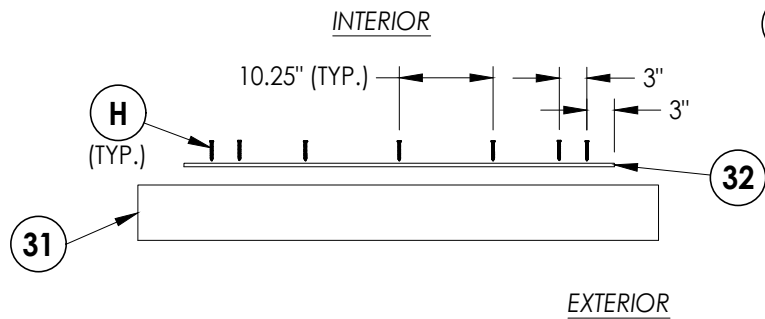
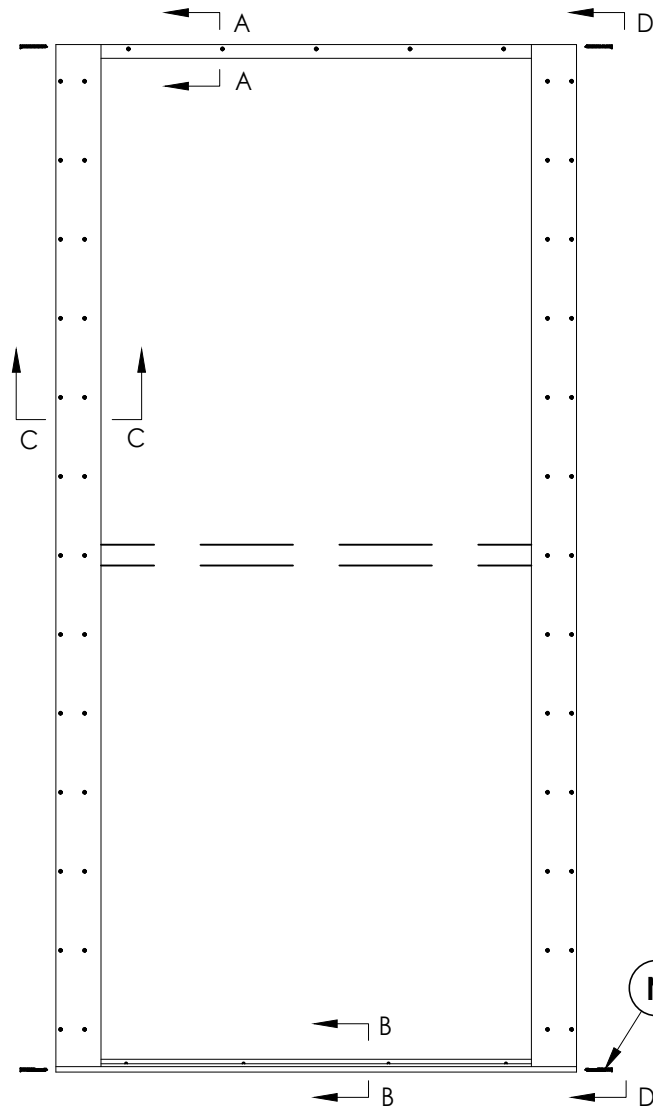
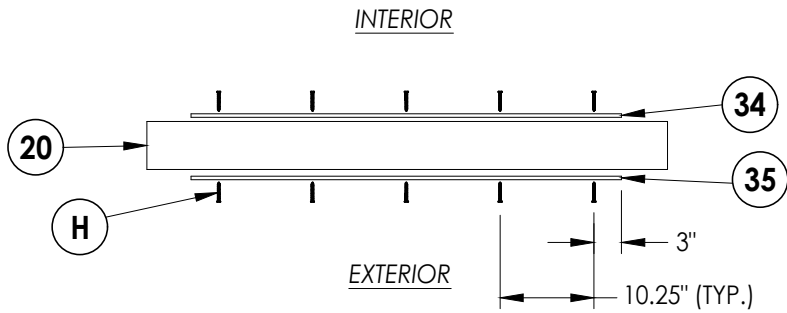
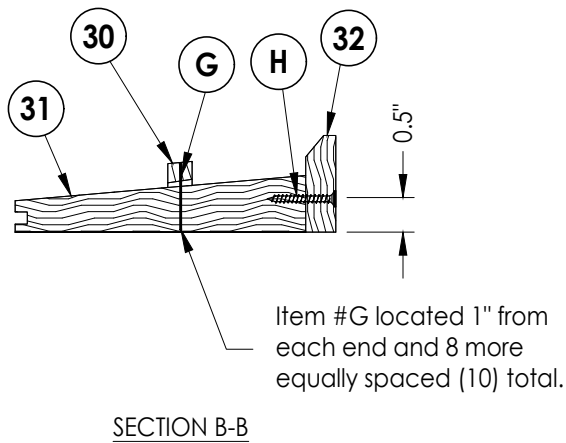
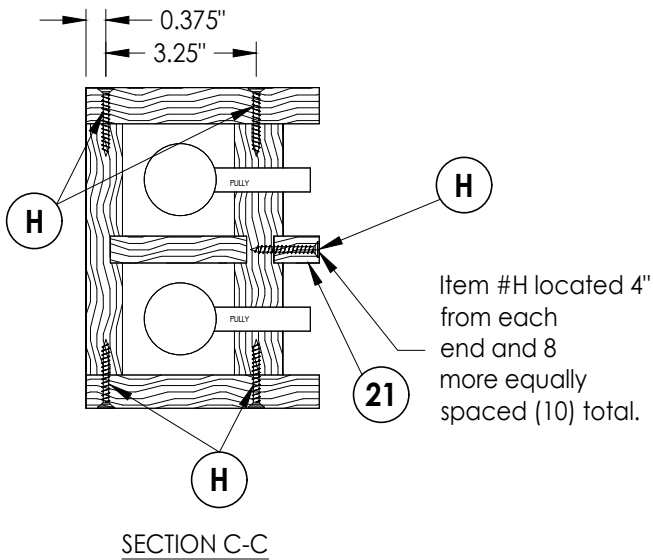
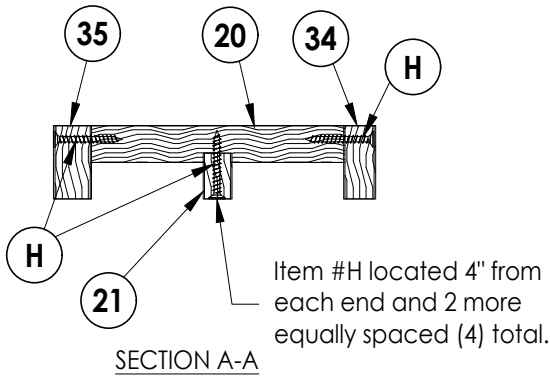


3 VERTICAL CROSS SECTION

3 2X Stud Construction (Anchor Clip Installation)

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SHEET 3 OF 7									
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				2		10/3/17		UPDATE TO 6TH ED. (2017) FBC	
				1		3/03/15		UPDATE TO 5TH ED. (2014) FBC	
				NO.		DATE			
								REVISIONS	
PRODUCT:									
MILLWORK ARTISANS DOUBLE HUNG WINDOW									
PART OR ASSEMBLY:									
VERTICAL CROSS SECTIONS									
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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PRODUCT:
MILLWORK ARTISANS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
FRAME DETAILS

NO.	DATE	REVISIONS
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3	9/29/20	UPDATE TO 7TH ED. (2020) FBC LFS
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SCALE: N.T.S.

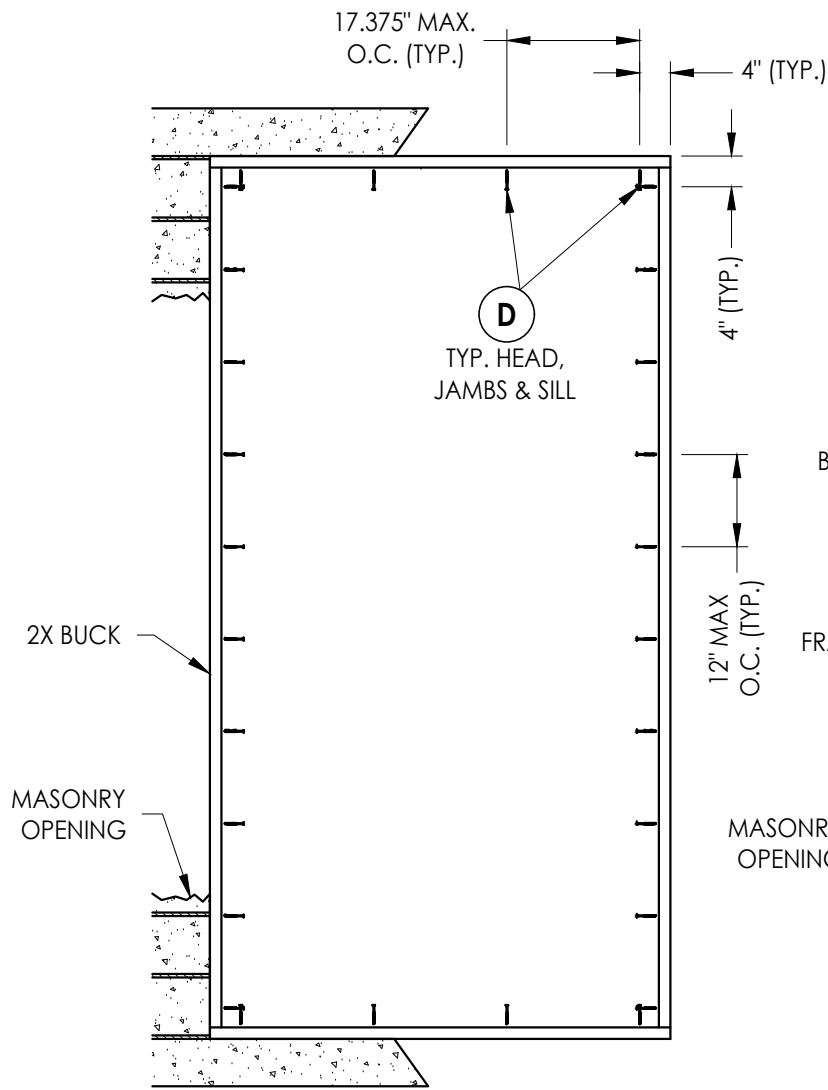
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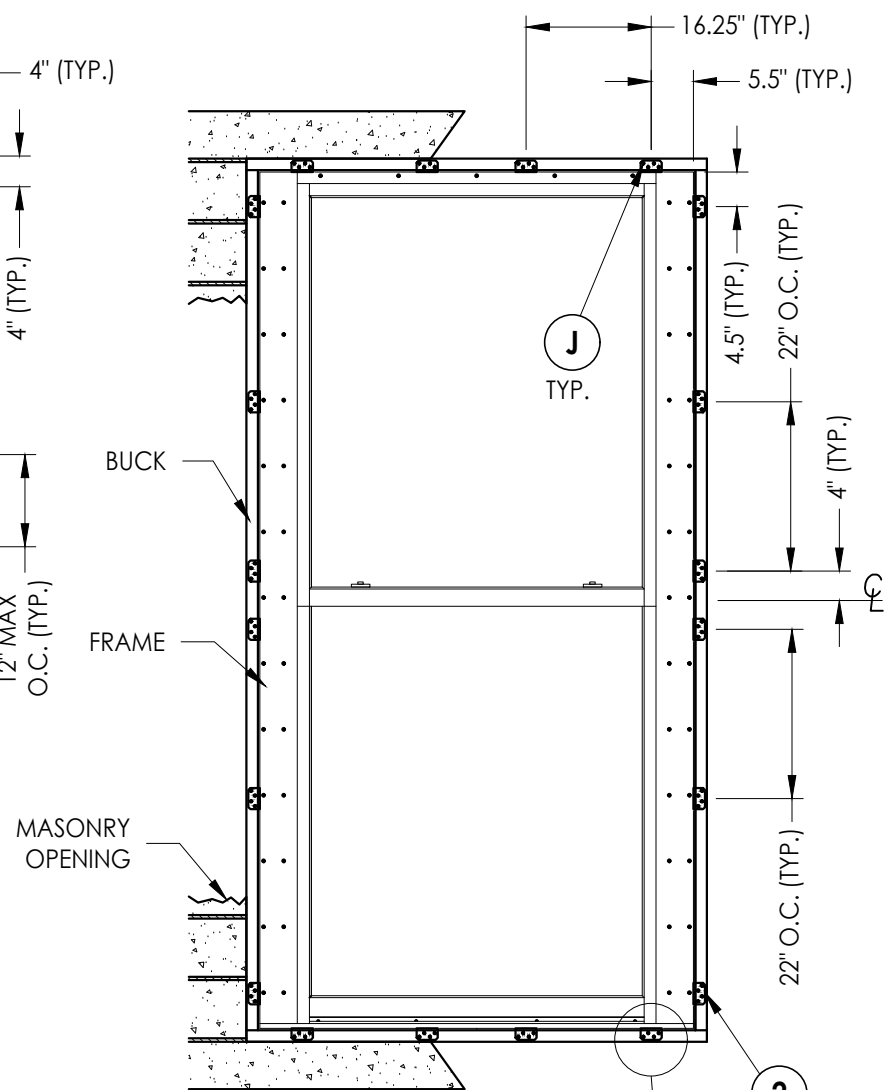
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SHEET 4 OF 7



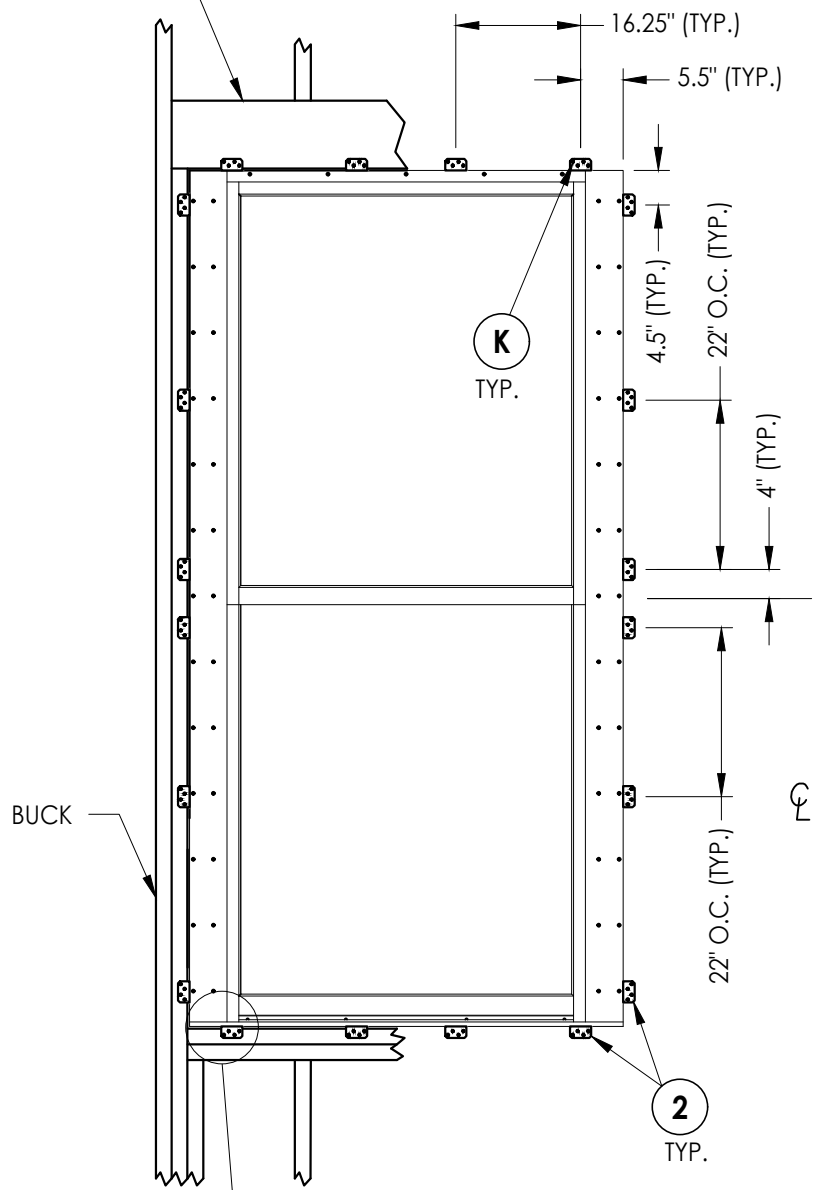
BUCK ANCHORING

Masonry construction



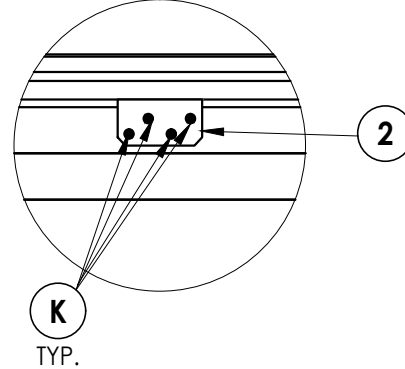
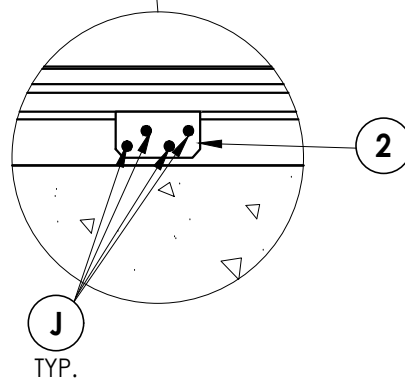
FRAME ANCHORING

(Anchor Clip Installation)



FRAME ANCHORING

(Anchor Clip Installation)



CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. Concrete anchor table:

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

WOOD SCREW/NAIL INSTALLATION NOTES:

1. 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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DATE: 5/7/14

SCALE: *N.T.S.*

DWG. BY: JK

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FL-17038.13

SHEET 5 OF 7

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Technical drawing of a rectangular block. The vertical dimension is labeled 1.5" and the horizontal dimension is labeled 0.63". The block is filled with a wavy line pattern.

0.94"

0.56"

Technical drawing of a rectangular plate. The dimensions are 4.81" (width) and 0.69" (height). The plate features a wavy, undulating pattern across its surface.

Technical drawing of a rectangular plate. The dimensions are 4.81" (width) and 0.75" (height). The plate features a wavy, undulating pattern across its surface.

Technical drawing of a rectangular plate. The dimensions are 2.81 inches in length and 0.56 inches in width. The surface of the plate is depicted with wavy, undulating lines, suggesting a textured or corrugated material.

Technical drawing of a quarter-round corner. The vertical dimension is 0.46" and the horizontal dimension is 0.72". The corner is filled with wavy lines.

Technical drawing of a mechanical part with dimensions:

- Top horizontal dimensions: 1.78" and 1.68"
- Left vertical dimensions: 2.25", 1.93", and 1.62"
- Right vertical dimension: 0.63"
- Bottom horizontal dimensions: 2.15" and 2.5"

Technical drawing of a cross-section of a composite beam. The beam has a total height of 5.18 inches and a total width of 0.75 inches. The top portion is a solid material, and the bottom portion is a composite material with a wavy internal structure. The composite material has a thickness of 2.31 inches. The wavy structure has a peak-to-peak height of 0.56 inches.

Technical drawing of a pulley assembly. The drawing shows a cross-section of a pulley with a central shaft. The pulley has a total width of 5.18". The central shaft has a diameter of 1". The pulley is divided into two main sections, each labeled "PULLY". The distance between the centers of the two pulley sections is 2.31". The distance from the center of the pulley to the shaft is 0.56".

Technical drawing of a T-shaped cross-section. The dimensions are: top flange width 1.17", flange thickness 0.72", web height 2.5", and web width 0.58".

Technical drawing of a stepped block. The drawing shows a cross-section of a block with a total height of 2.5 inches and a total width of 2.25 inches. The top surface is stepped, with a horizontal section of 0.63 inches on the left and a vertical section of 1.78 inches on the right. The block is filled with diagonal hatching lines.

Technical drawing of a mechanical part with the following dimensions:

- Overall width: 2.25"
- Inner width: 1.63"
- Overall height: 2.5"
- Inner height: 2.15"
- Right side height: 1.78"
- Bottom right corner radius: 0.63"

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