

MILLWORK ARTISANS

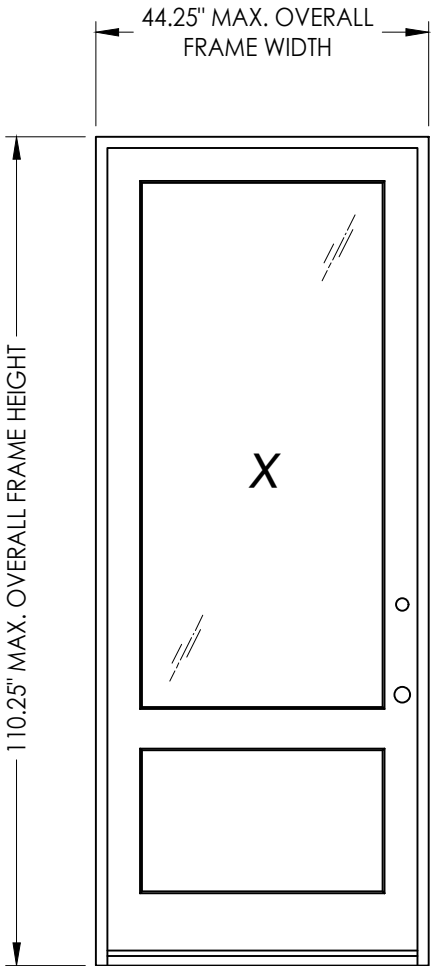
145 KING STREET
CHARLESTON, SC 29401

"IMPACT" WOOD ENTRY DOOR
INSWING / OUTSWING

GENERAL NOTES

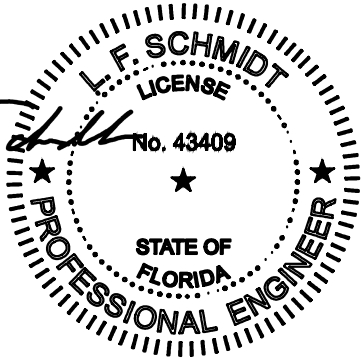
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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. 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 elevations, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck & frame anchoring
6	Surface bolt details
7	Bill of materials and components



3/4 GLAZED PANEL SHOWN
w/ KNOB & DEADBOLT

MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)		LOCK HARDWARE
	POSITIVE	NEGATIVE	
44.25" x 110.25"	+55.0	-55.0	Kwikset Knob & Deadbolt or Surface Bolts
38" x 97.5"	+55.0	-55.0	Saflok MT Series



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
14:10:37 -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 WOOD DOOR

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

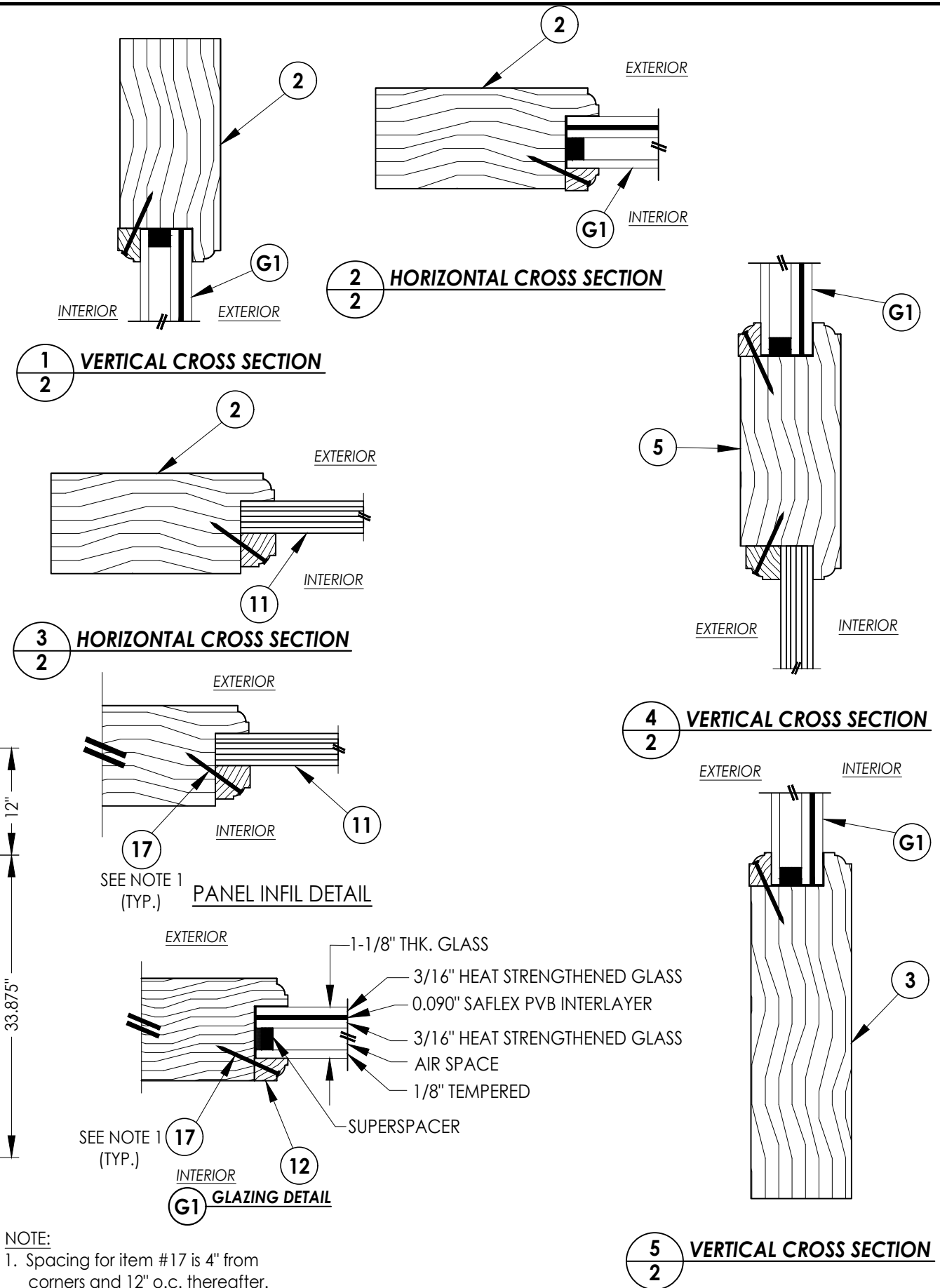
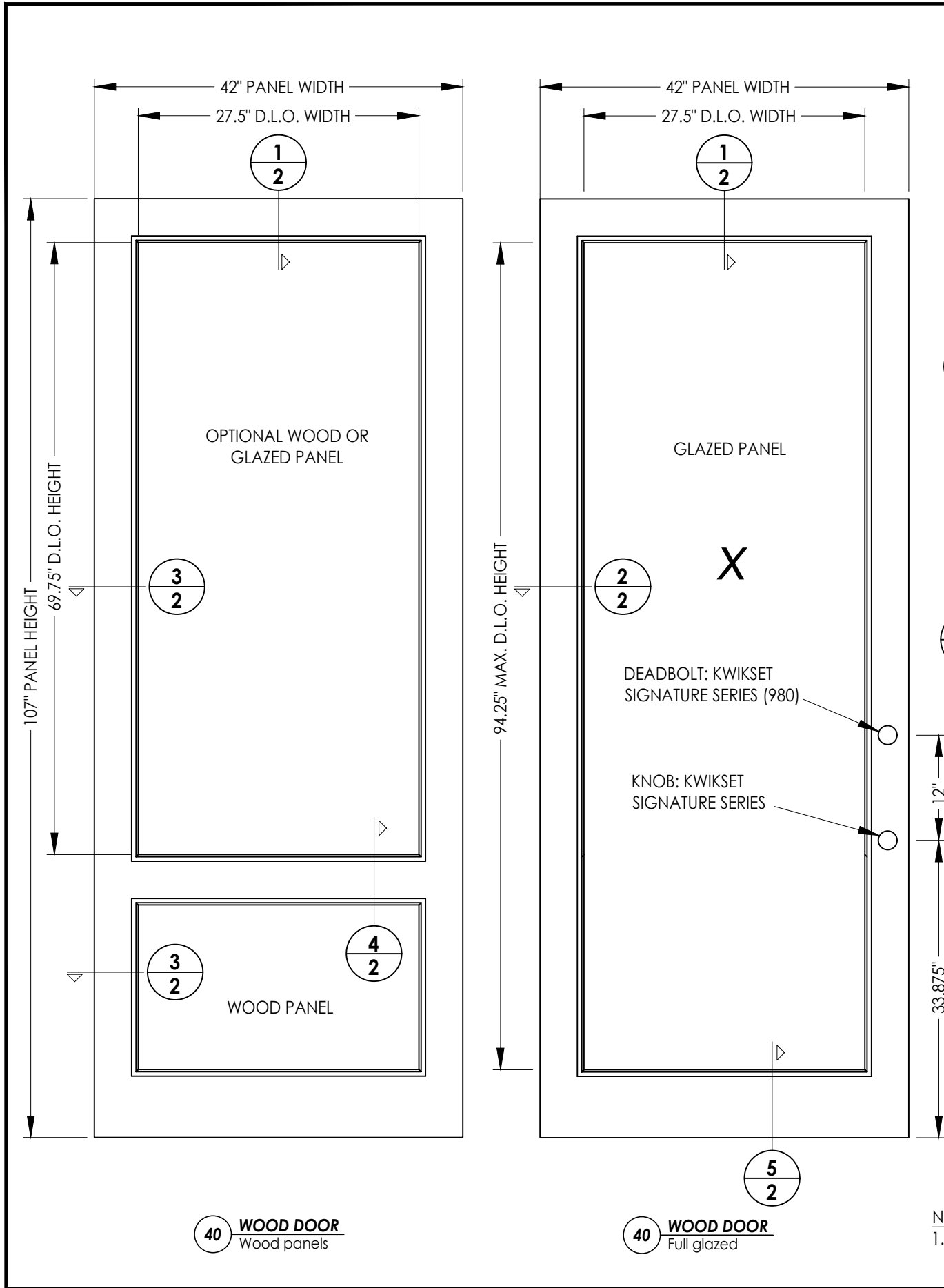
REVISIONS

NO.	DATE	BY
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3	9/29/20	UPDATE TO 7TH ED. (2020) FBC
2	10/03/17	UPDATE TO 6TH ED. (2017) FBC
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC

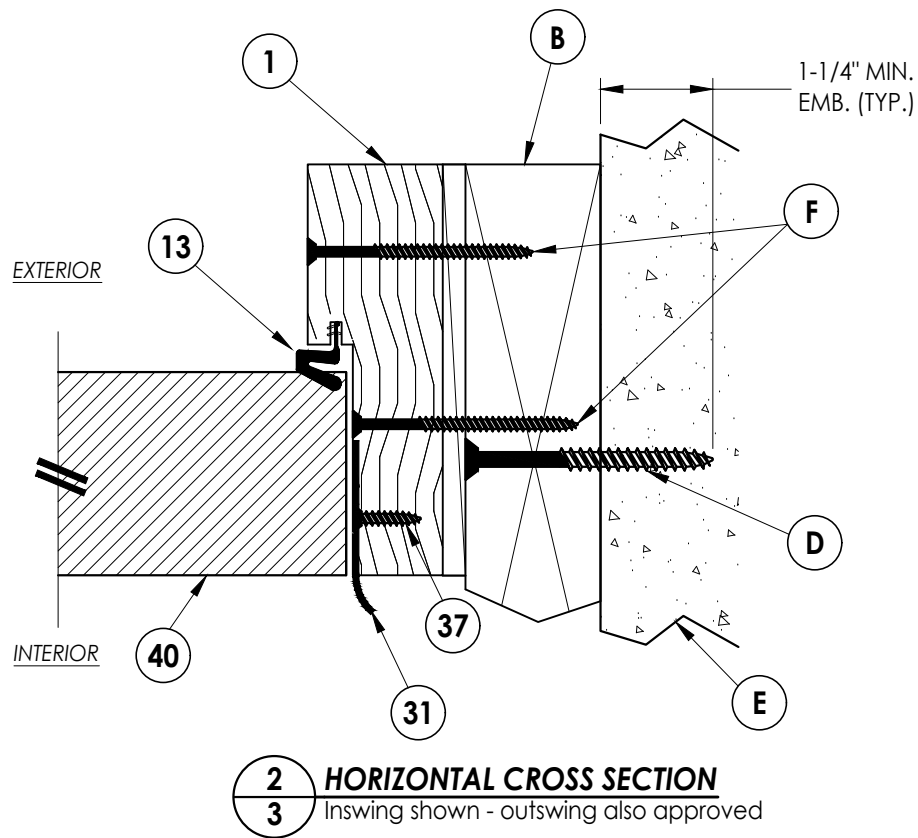
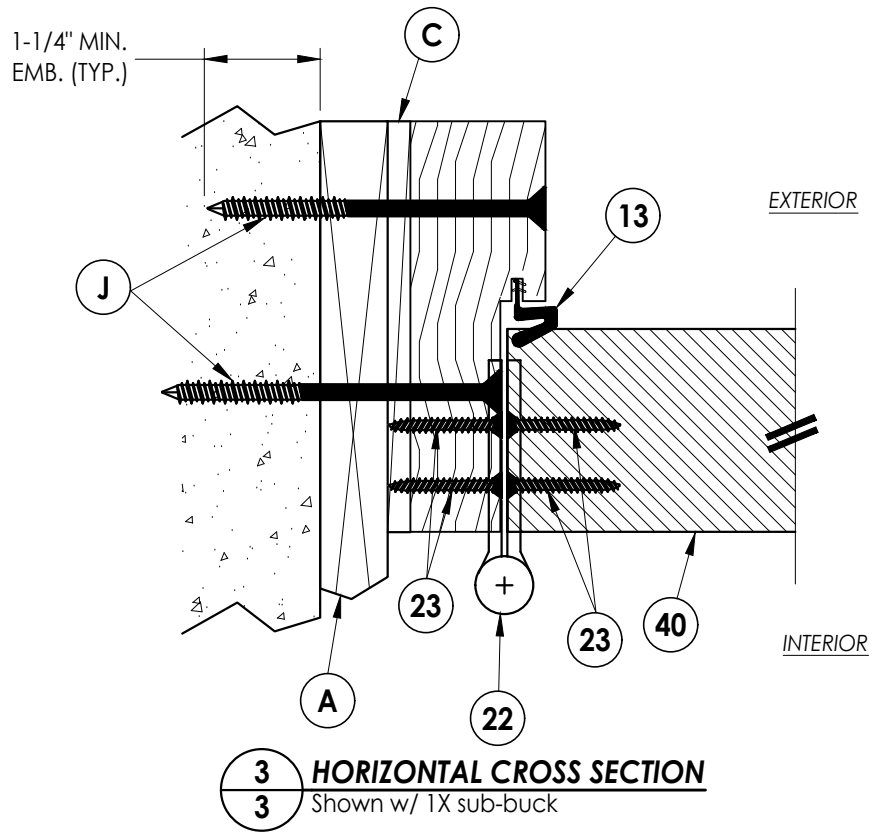
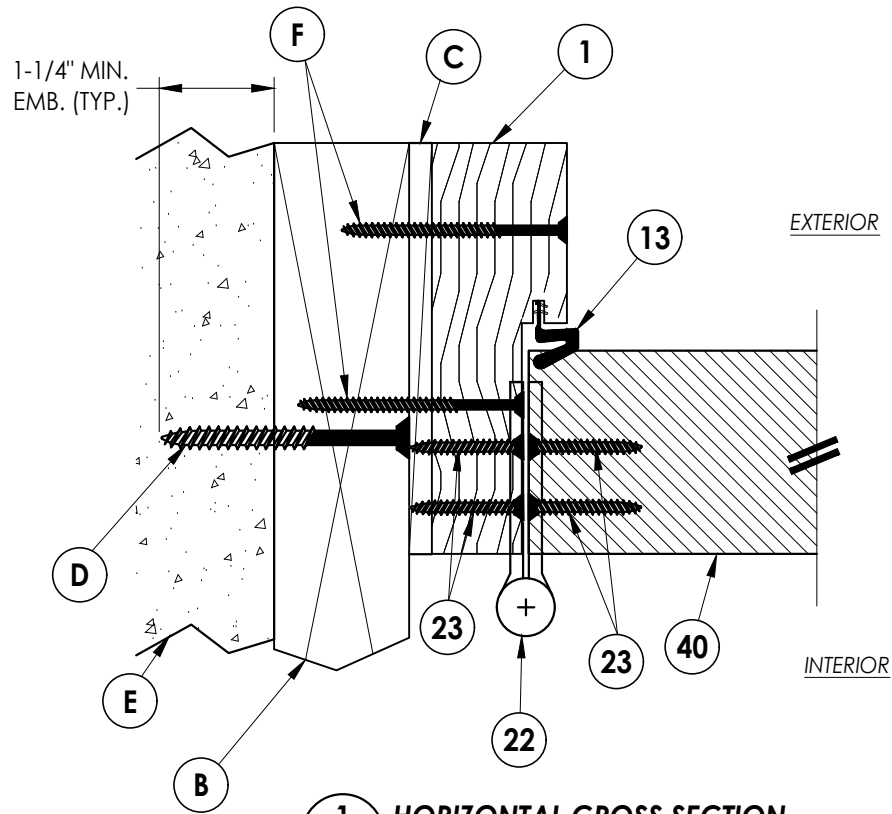
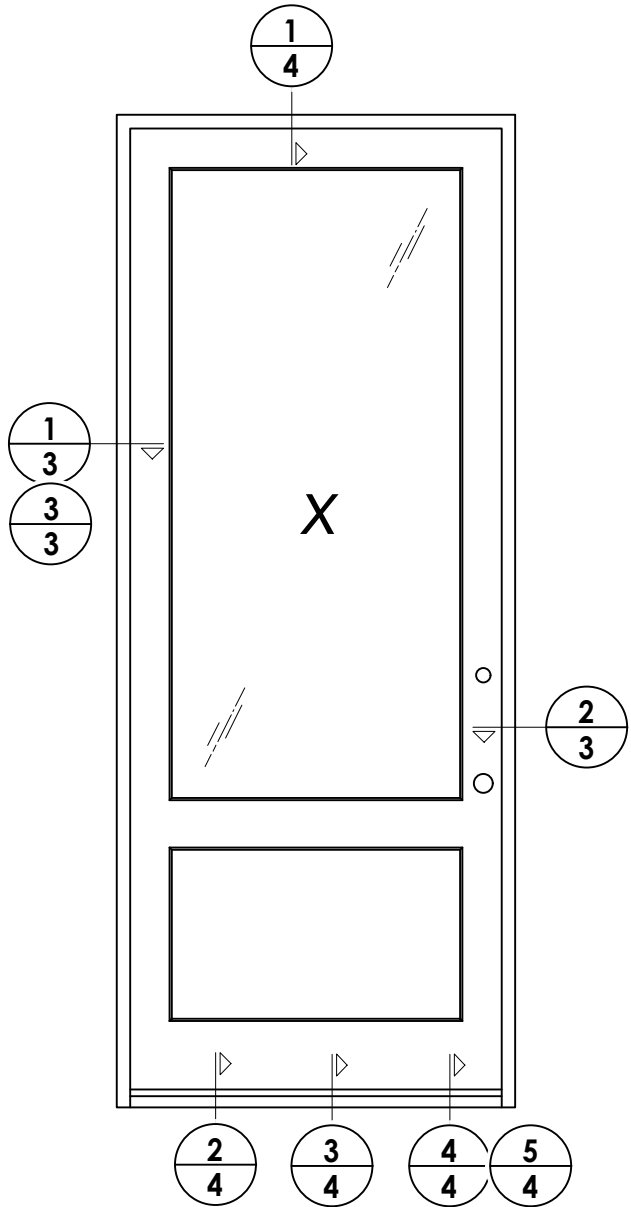
DATE: 06/26/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15751.1
SHEET 1 OF 7

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Phone No.: 813.659.9197
FBPE Registry No. 9813



PRODUCT:					
MILLWORK ARTISANS WOOD DOOR					
PART OR ASSEMBLY:					
DOOR PANEL DETAILS					
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	10/03/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
1	04/14/15	UPDATE TO 5TH ED.	(2014)	FBC	JK
DATE: 06/26/12					
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SHEET 2 OF 7					



Documents Prepared By:
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P.E. No. 43409

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PRODUCT: MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS

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	
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DATE: 06/26/12

SCALE: N.T.S.

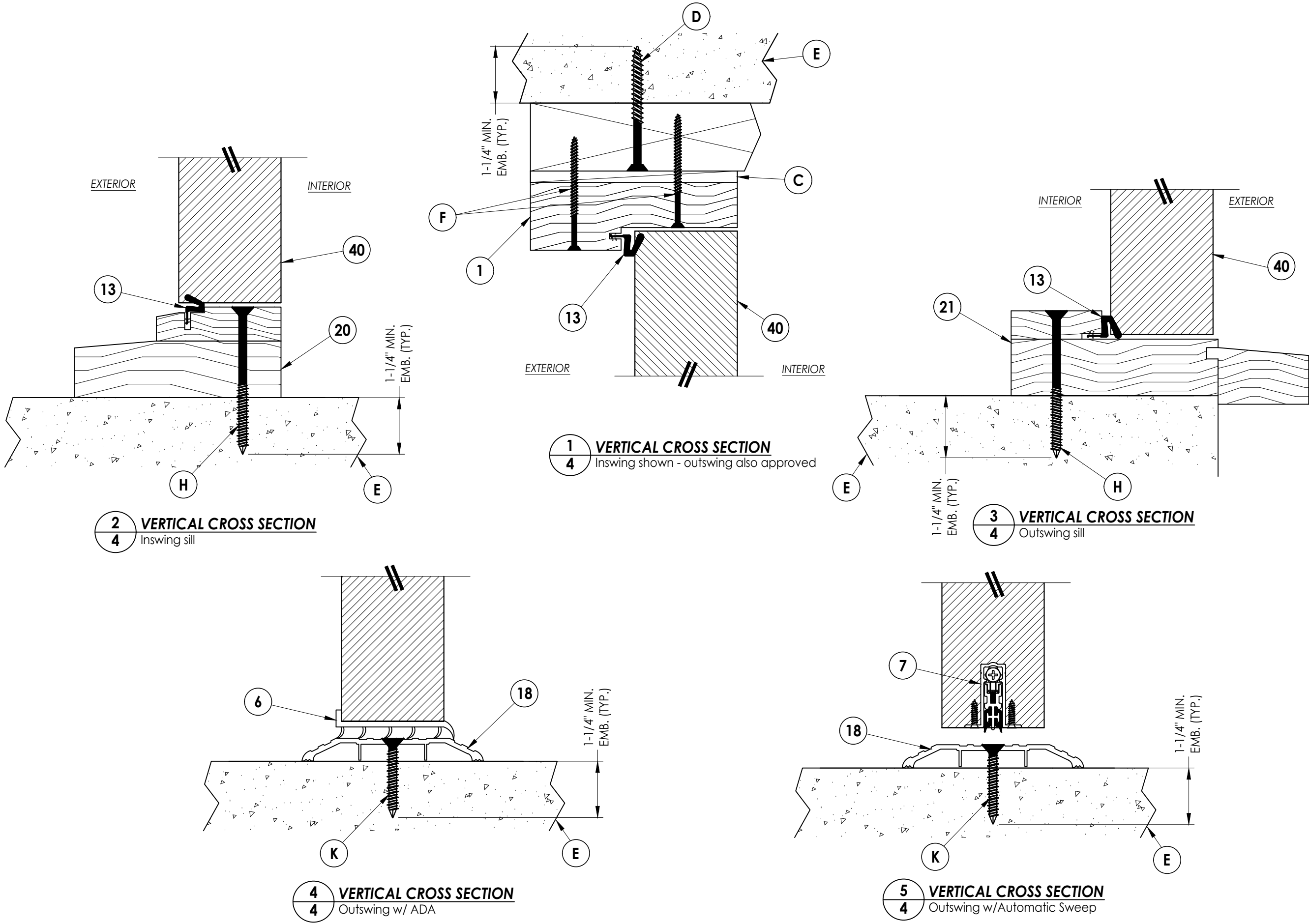
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CHK. BY: LFS

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FL-15751.1

SHEET 3 OF 7

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1 VERTICAL CROSS SECTION
4 Inswing shown - outswing also approved

2 VERTICAL CROSS SECTION
4 Inswing sill

3 VERTICAL CROSS SECTION
4 Outswing sill

4 VERTICAL CROSS SECTION
4 Outswing w/ ADA

5 VERTICAL CROSS SECTION
4 Outswing w/Automatic Sweep

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PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

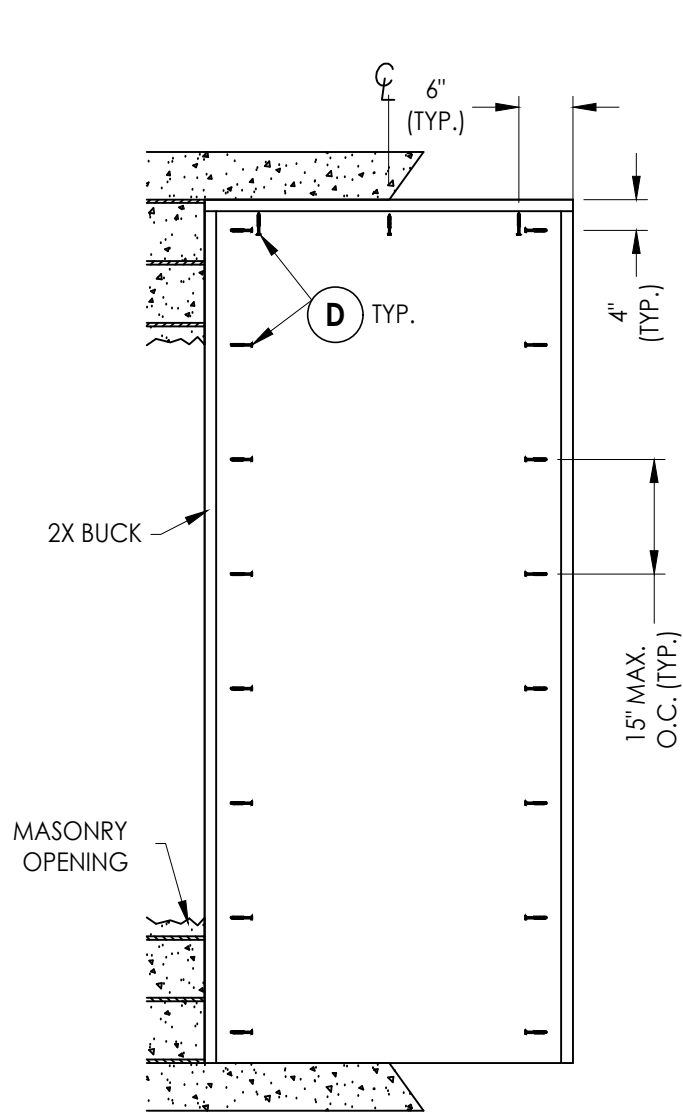
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DRAWING NO.: FL-15751.1
SHEET 4 OF 7

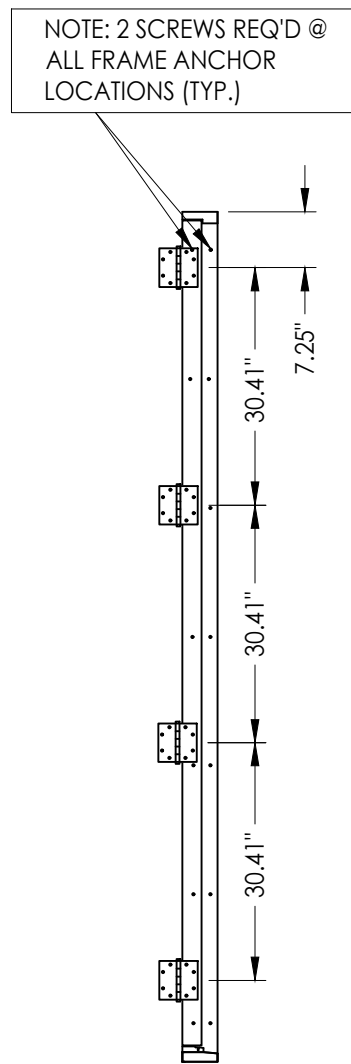
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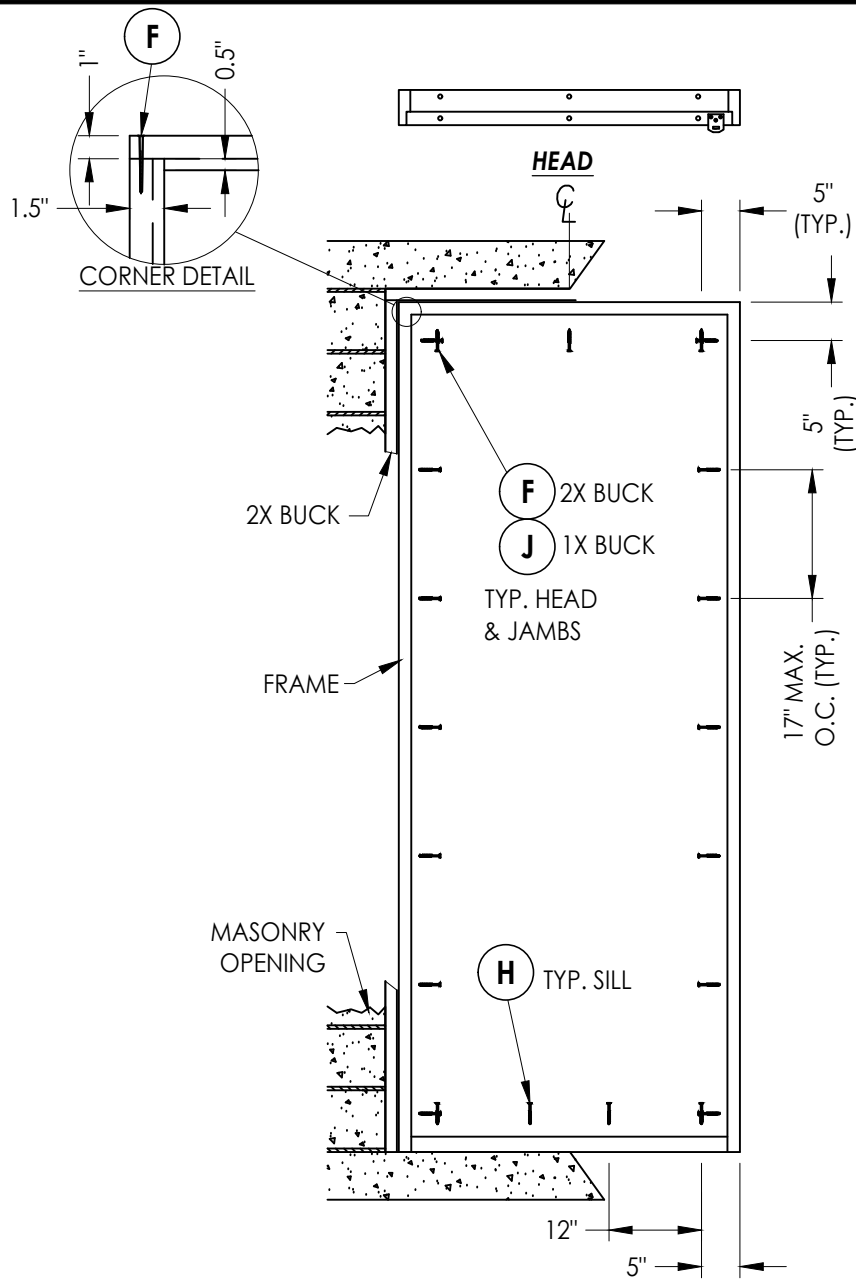
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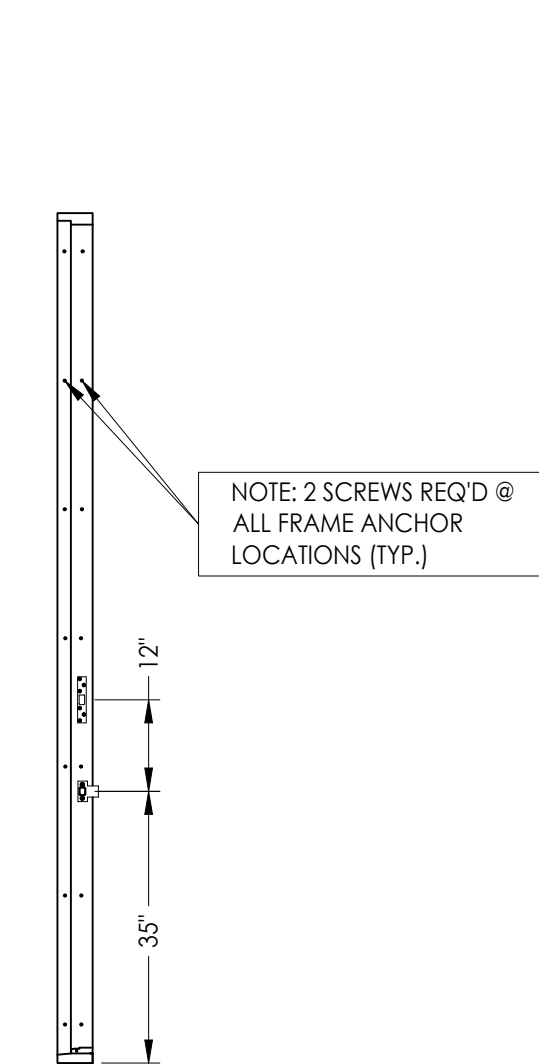
BUCK ANCHORING



HINGE JAMB



FRAME ANCHORING



STRIKE JAMB

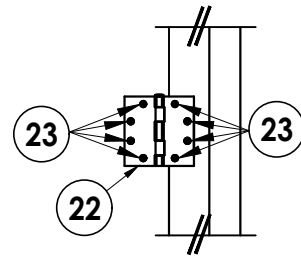
CONCRETE ANCHOR NOTES:

- 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:

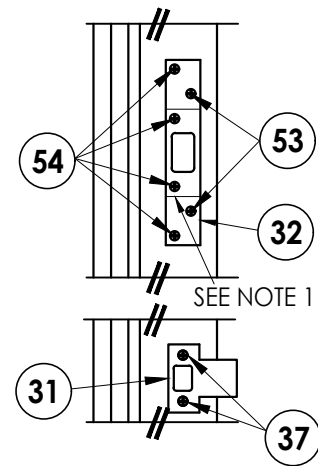
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



HINGE DETAIL



STRIKE DETAIL
Latch & deadbolt

NOTE:

- Deadbolt reinforcing plate (1-1/8" x 2-3/4" x 0.12" thick) is required behind strike plate (item #32).

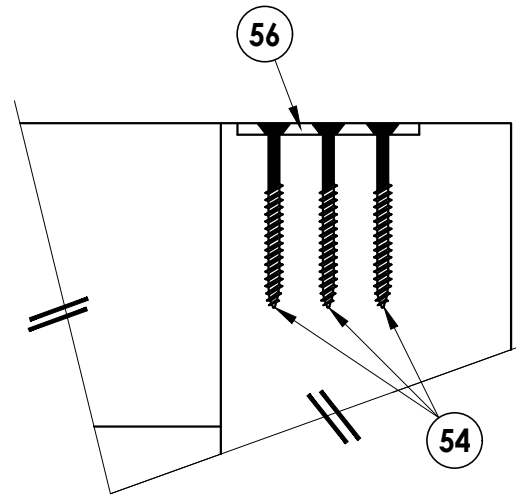
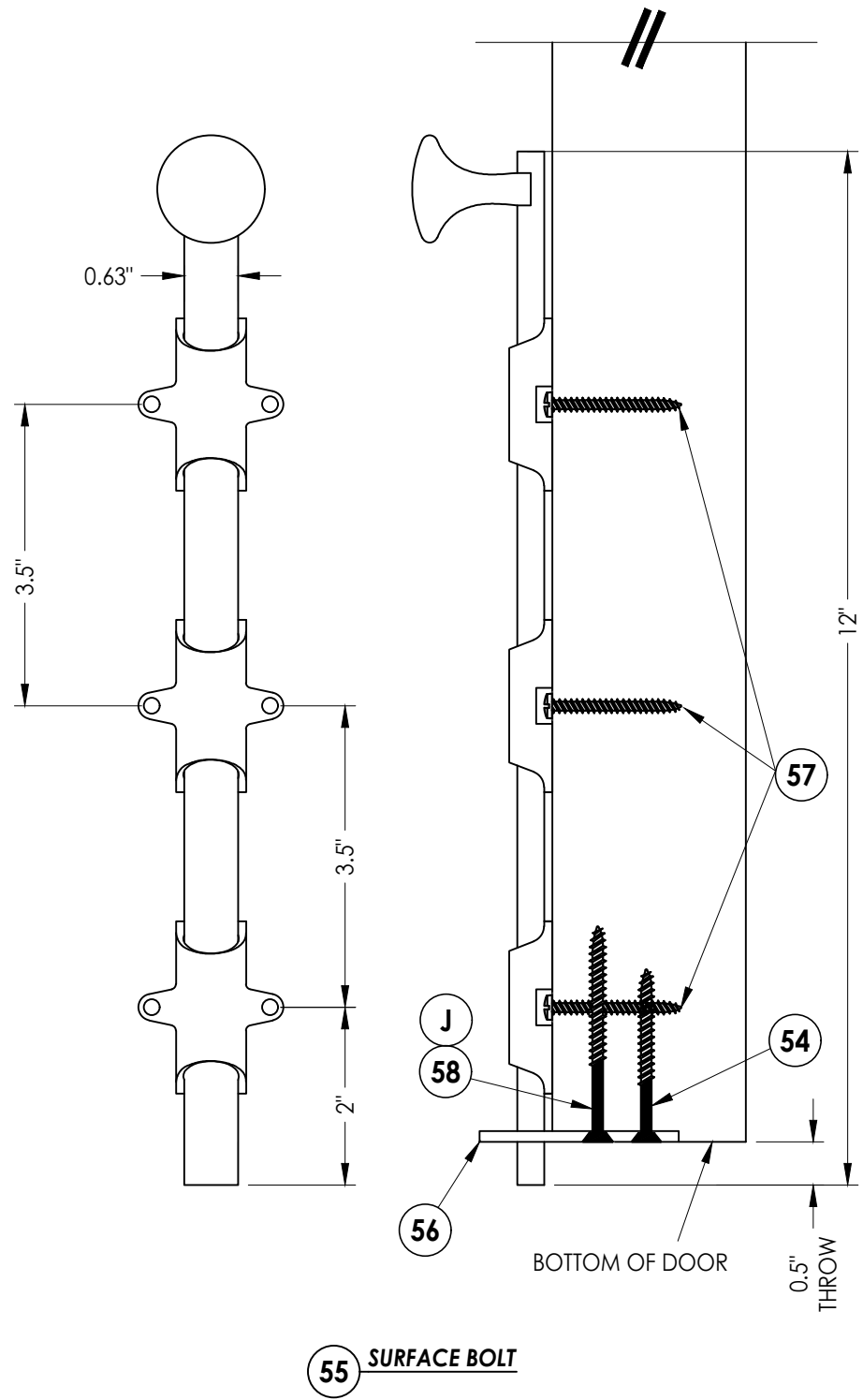
Documents Prepared By:
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PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

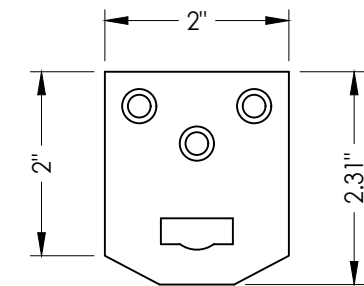
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

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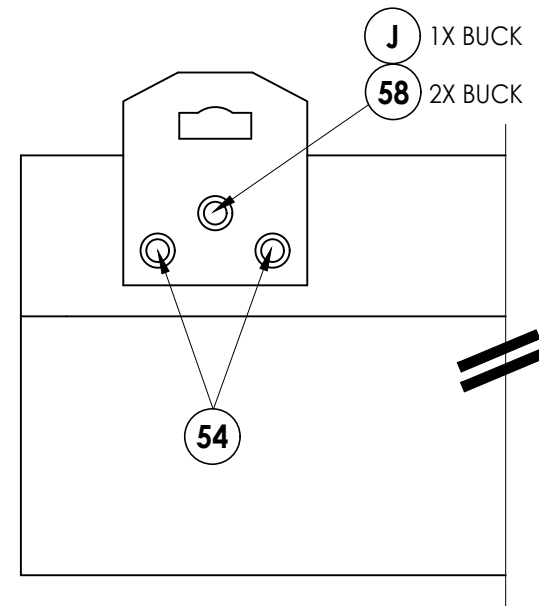
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SHEET 5 OF 7			



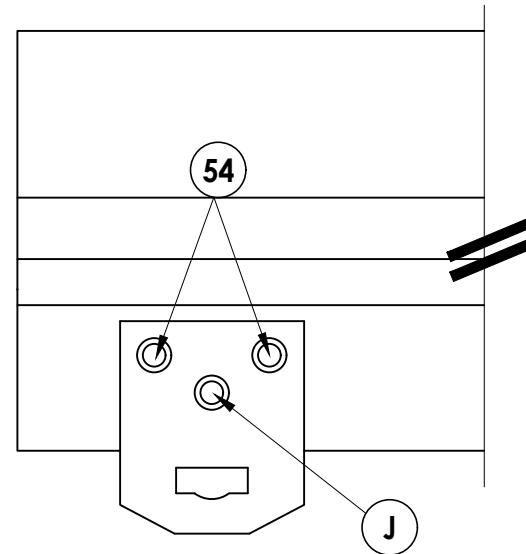
SURFACE BOLT GUIDE PLATE
Typical at top & bottom of door



56 SURFACE BOLT GUIDE PLATE



SURFACE BOLT GUIDE PLATE
View looking up at head



SURFACE BOLT GUIDE PLATE
View looking down at sill

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SHEET 6 OF 7

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