



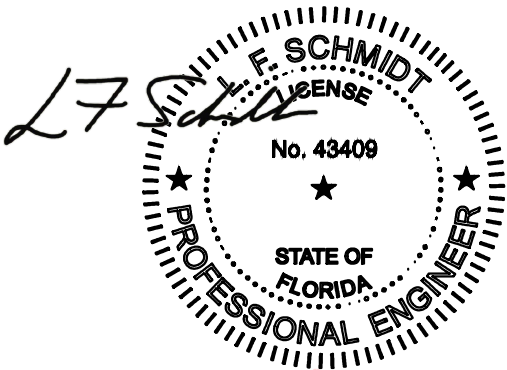
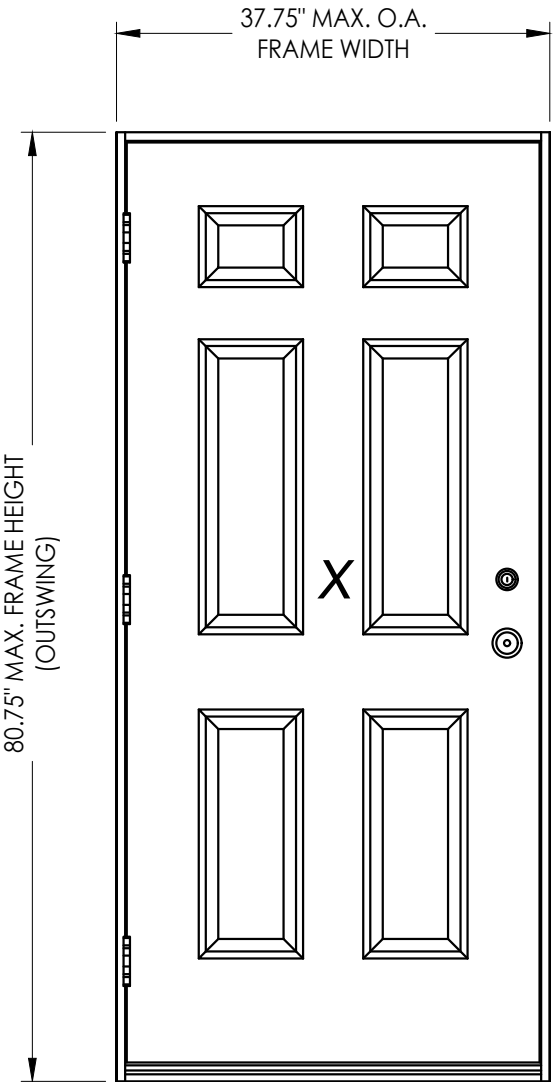
STEVES & SONS
203 Humble Ave.
San Antonio, TX 78225

**OPAQUE STEEL DOOR
OUTSWING
"IMPACT"**

GENERAL NOTES

- 1. This product anchoring drawing has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) 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.
- 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 construction details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Bill of materials & components



Digitally signed by Lyndon F Schmidt
Date: 2026.07.20 08:45:57 -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

SWING	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
OUTSWING	37.75" x 80.75"	+50.0	-55.0

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

STEVE S & SONS

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

PRODUCT:

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

5	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
4	8/07/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	3/24/22	UPDATE FOR NEW TESTING	LFS
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC	JK
NO.	DATE		BY

REVISIONS

DATE: 7/18/15

SCALE: N.T.S.

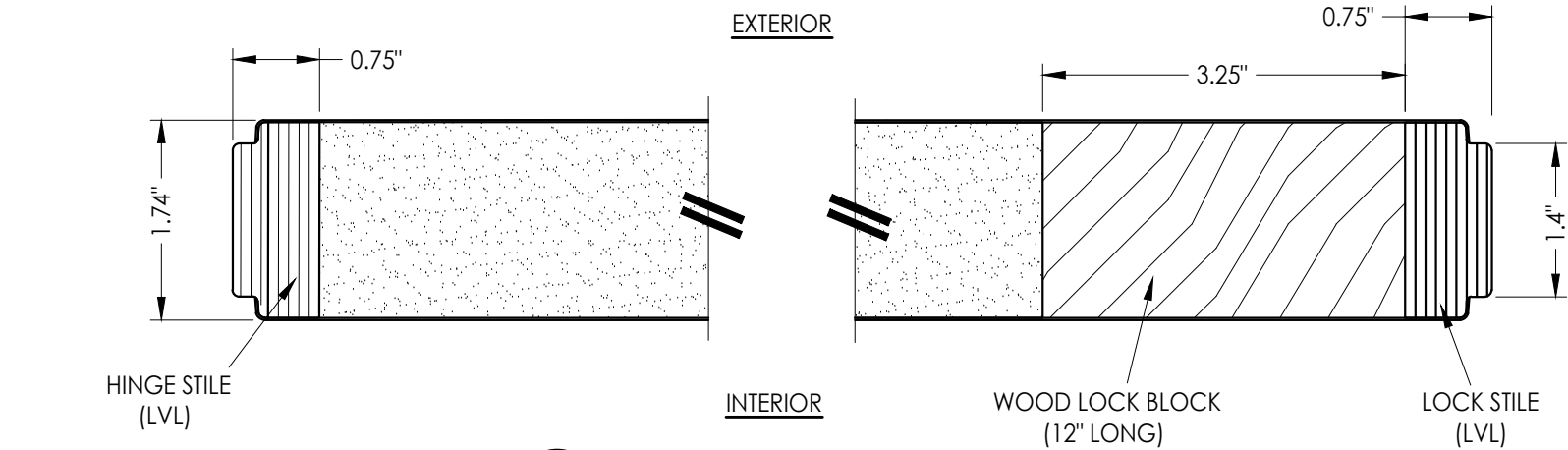
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CHK. BY: LFS

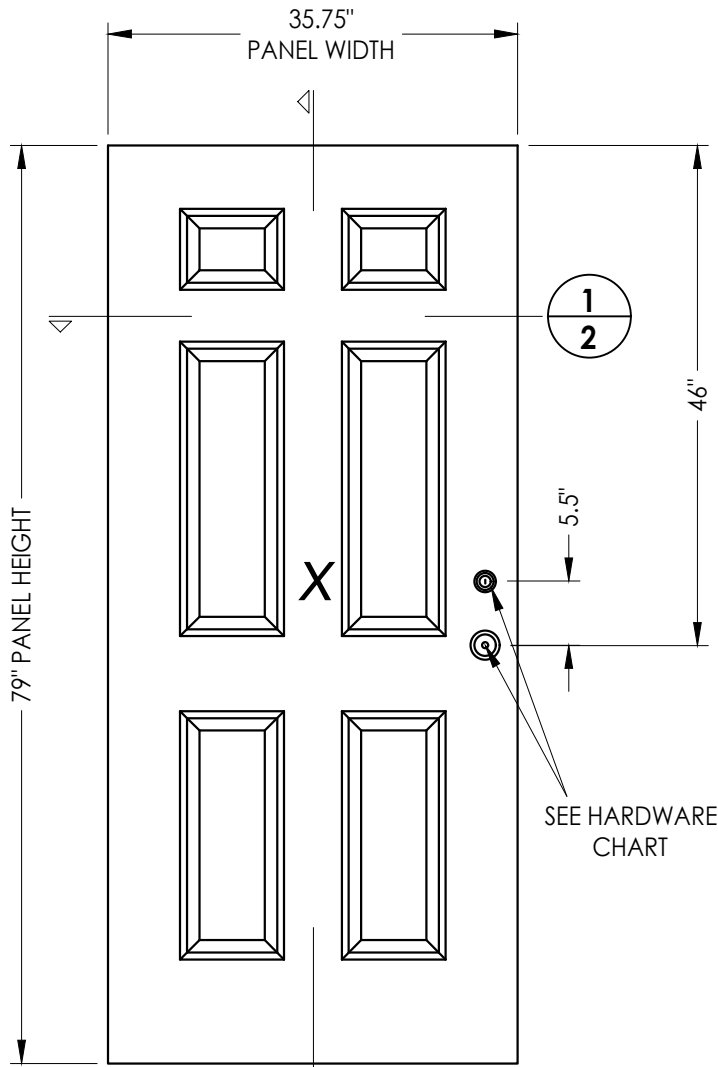
DRAWING NO.: FL-17903.1

SHEET 1 OF 7

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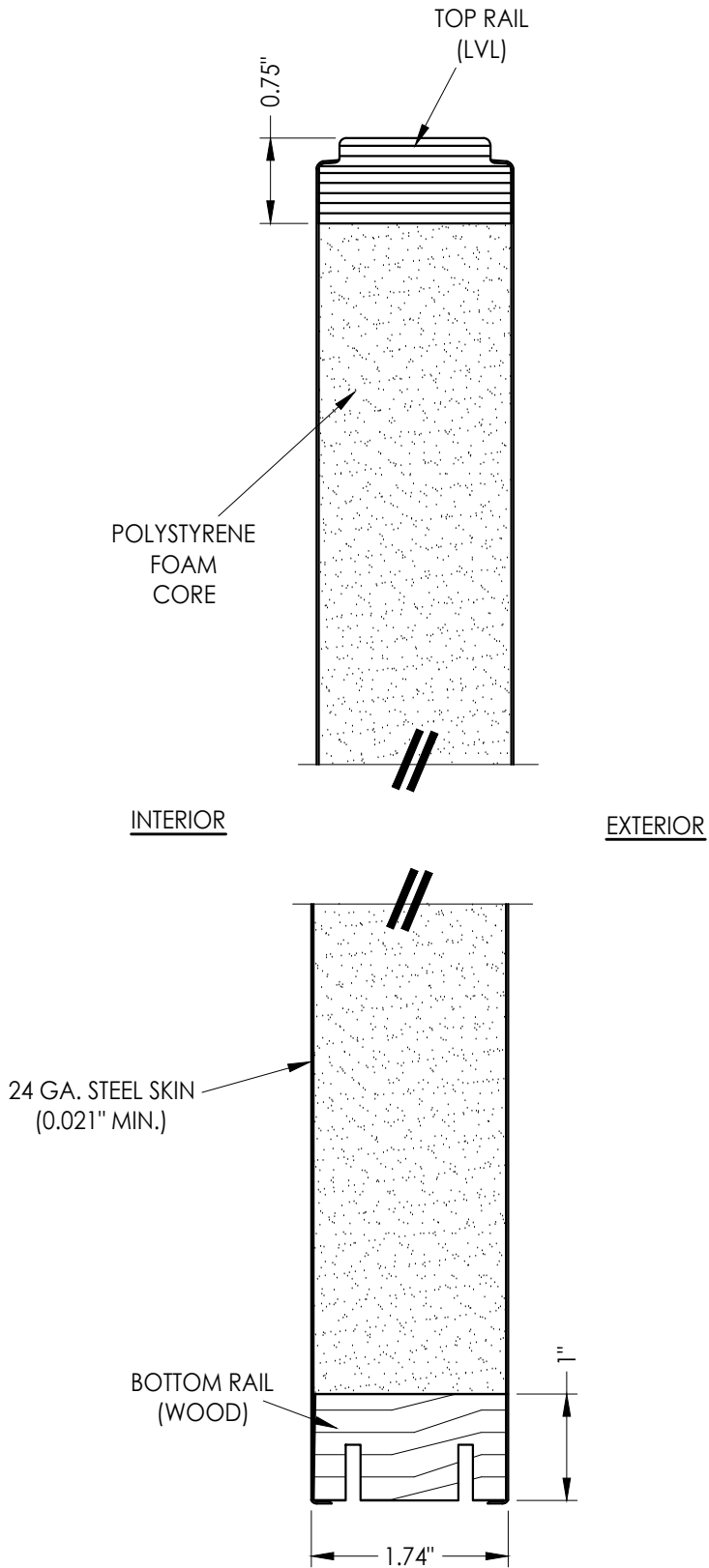


1
2 HORIZONTAL CROSS SECTION



2
2
40 STEEL OPAQUE DOOR PANEL
Steves & Sons

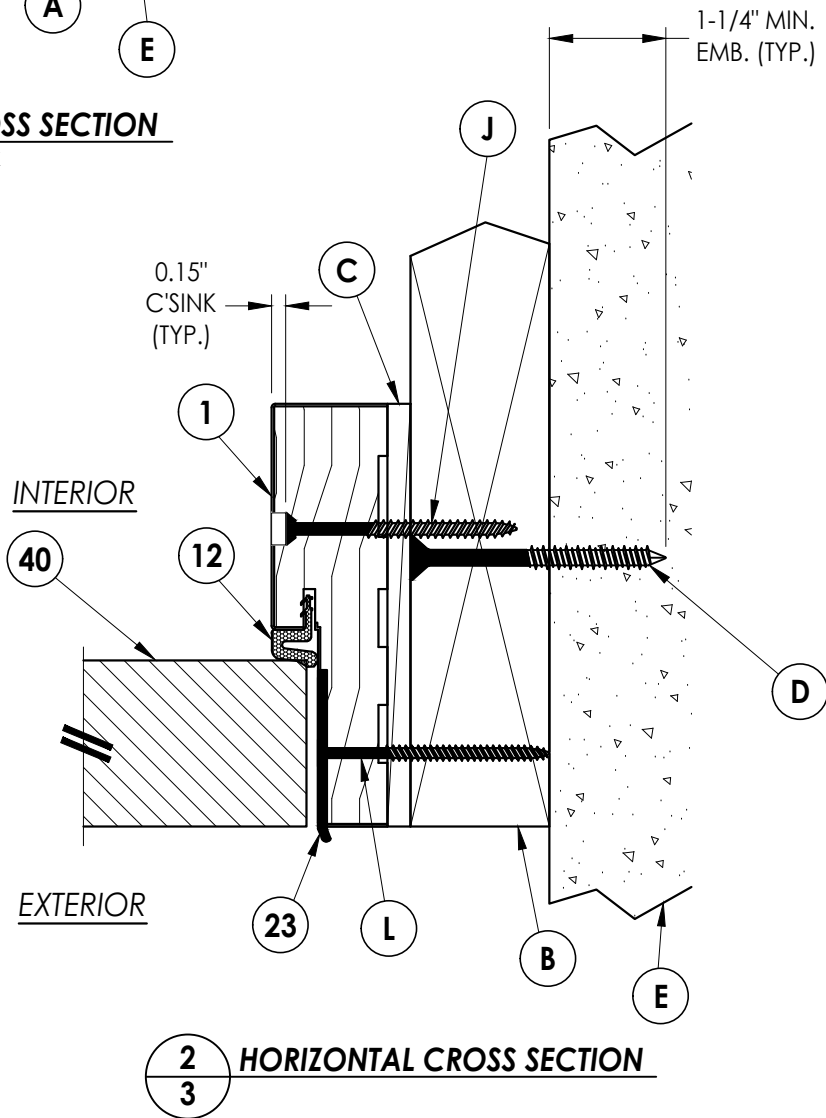
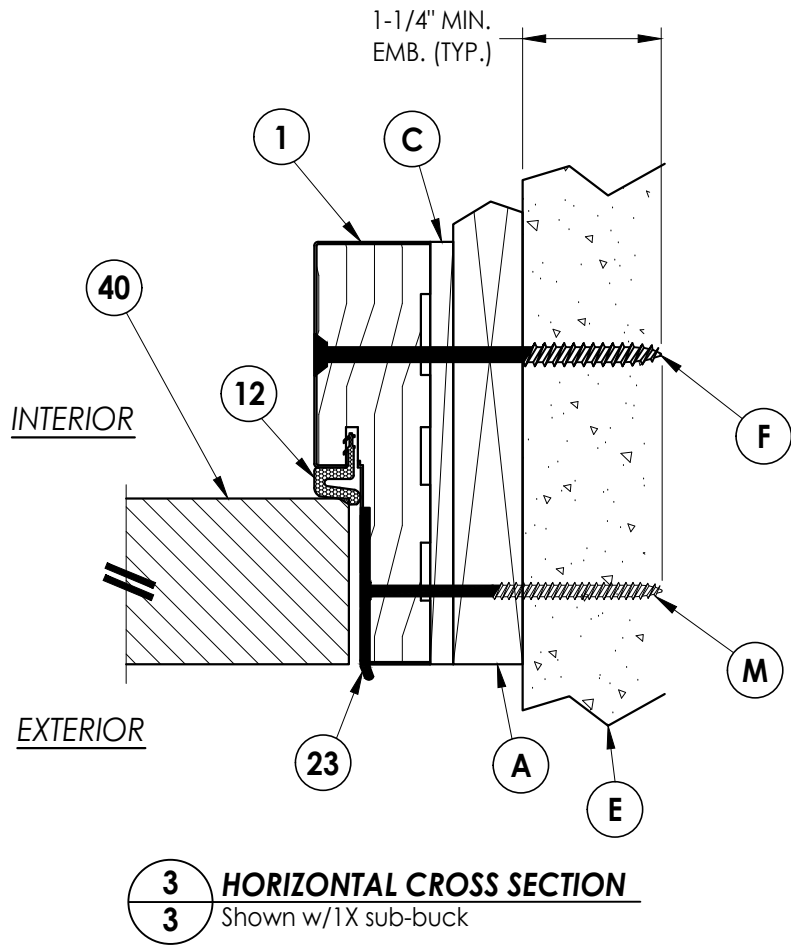
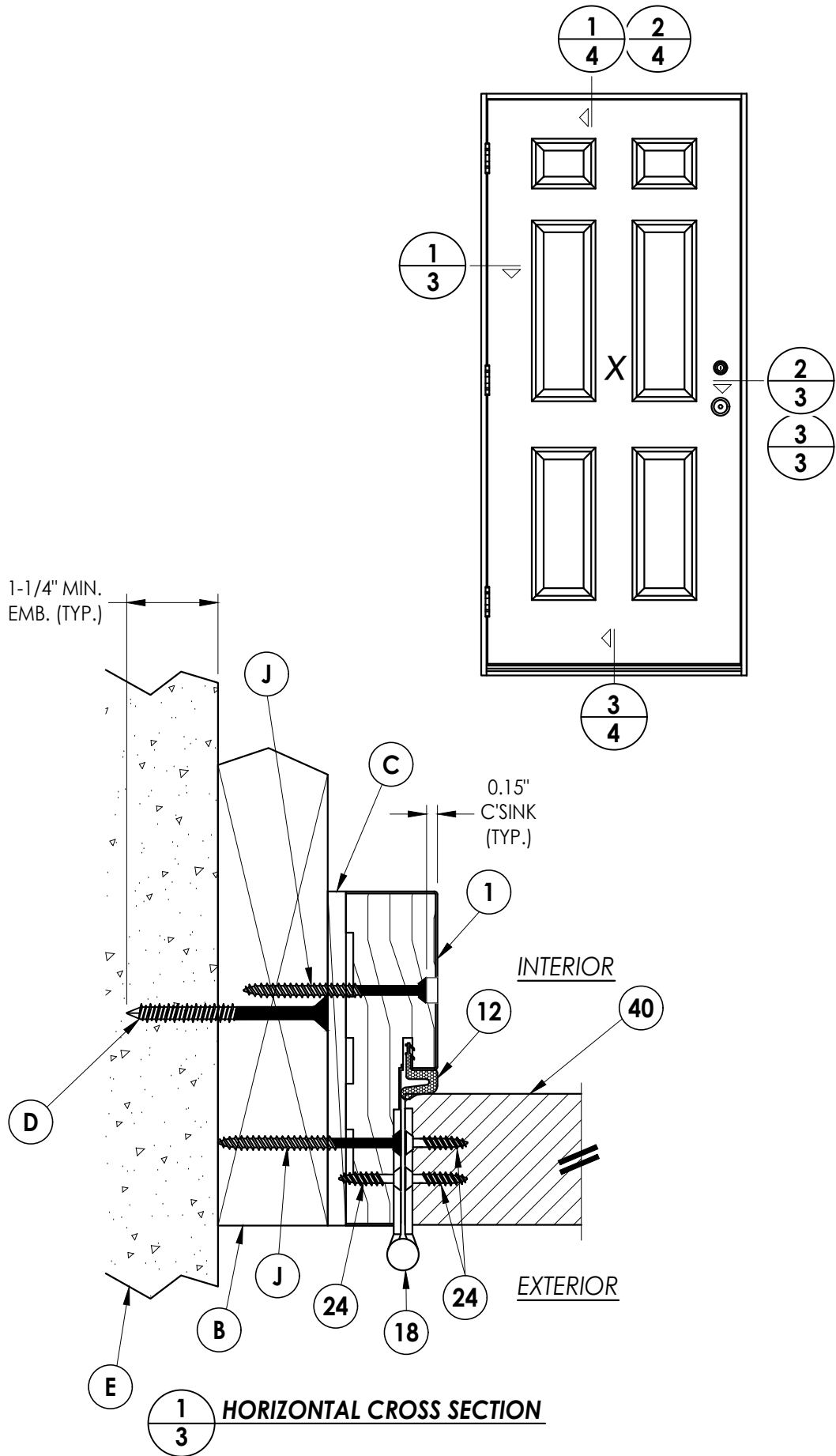
HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



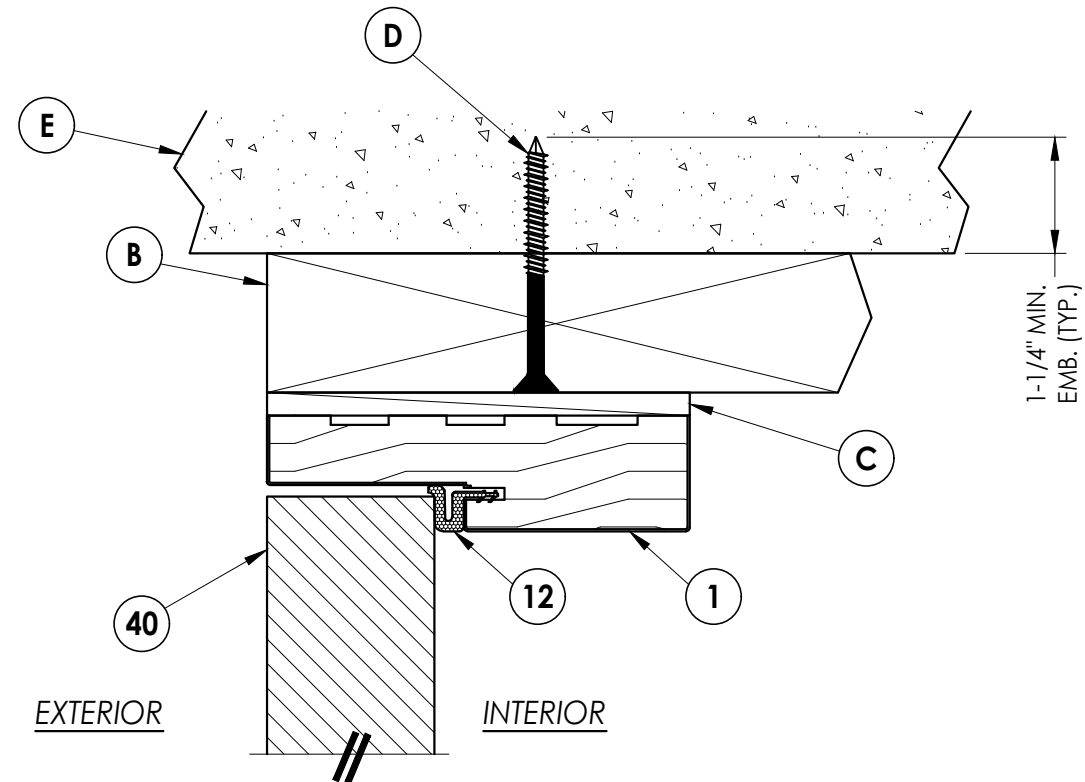
2
2 VERTICAL CROSS SECTION

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PRODUCT: STEVES & SONS		PART OR ASSEMBLY: DOOR PANEL CONSTRUCTION DETAILS		
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	8/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	3/24/22	UPDATE FOR NEW TESTING	LFS	LFS
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK
NO. DATE		REVISIONS		
DATE: 7/18/15				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-17903.1				
SHEET 2 OF 7				

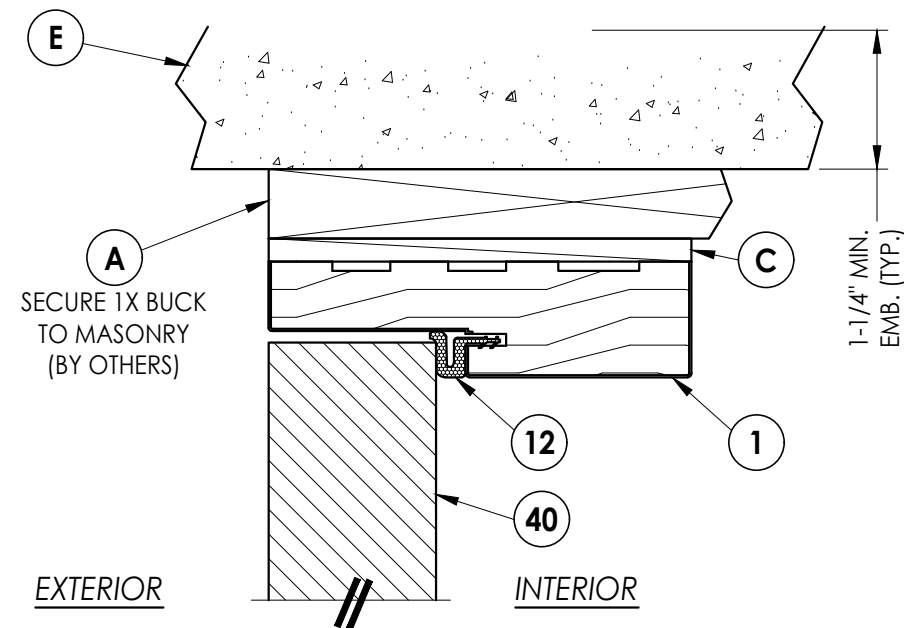
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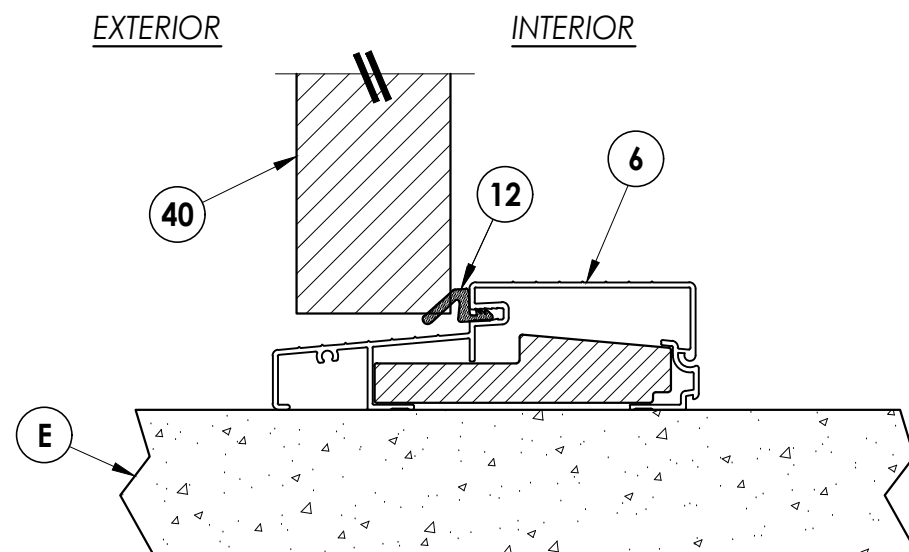
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PRODUCT:		STEVE'S & SONS		PART OR ASSEMBLY:	
				HORIZONTAL CROSS SECTIONS	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
4	8/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	3/24/22	UPDATE FOR NEW TESTING		LFS	
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
NO.	DATE	REVISIONS			
DATE:		7/18/15			
SCALE:		N.T.S.			
DWG. BY:		JK			
CHK. BY:		LFS			
DRAWING NO.:		FL-17903.1			
SHEET		3 OF 7			



1
4 **VERTICAL CROSS SECTION**



2 **VERTICAL CROSS SECTION**
4 Shown w/1X sub-buck



3 VERTICAL CROSS SECTION

5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
4	8/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	3/24/22	UPDATE FOR NEW TESTING		LFS	
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
NO.	DATE			BY	
REVISIONS					

DATE: 7/18/15

SCALE: *N.T.S.*

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CHK. BY: LFS

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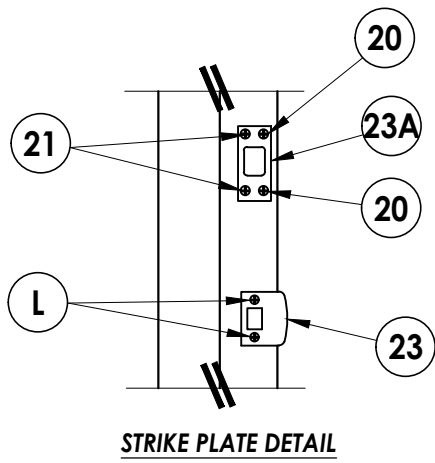
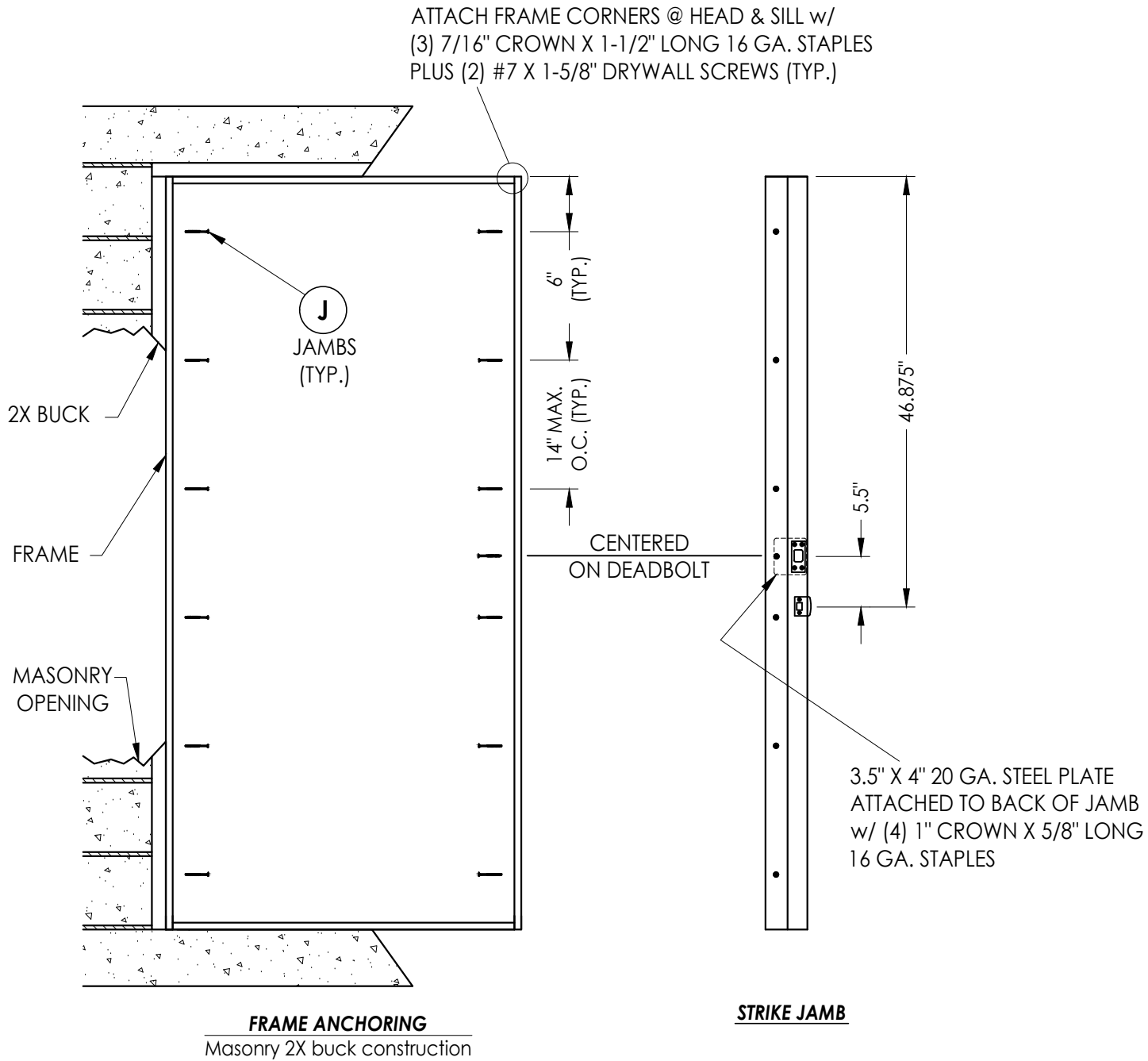
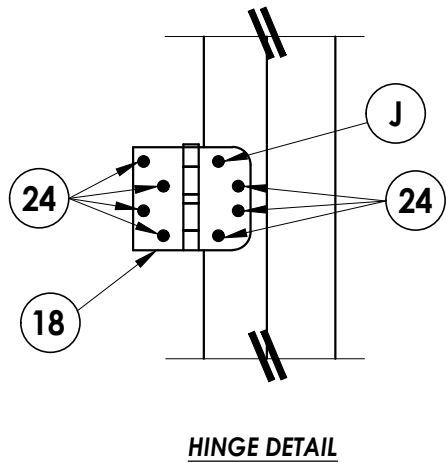
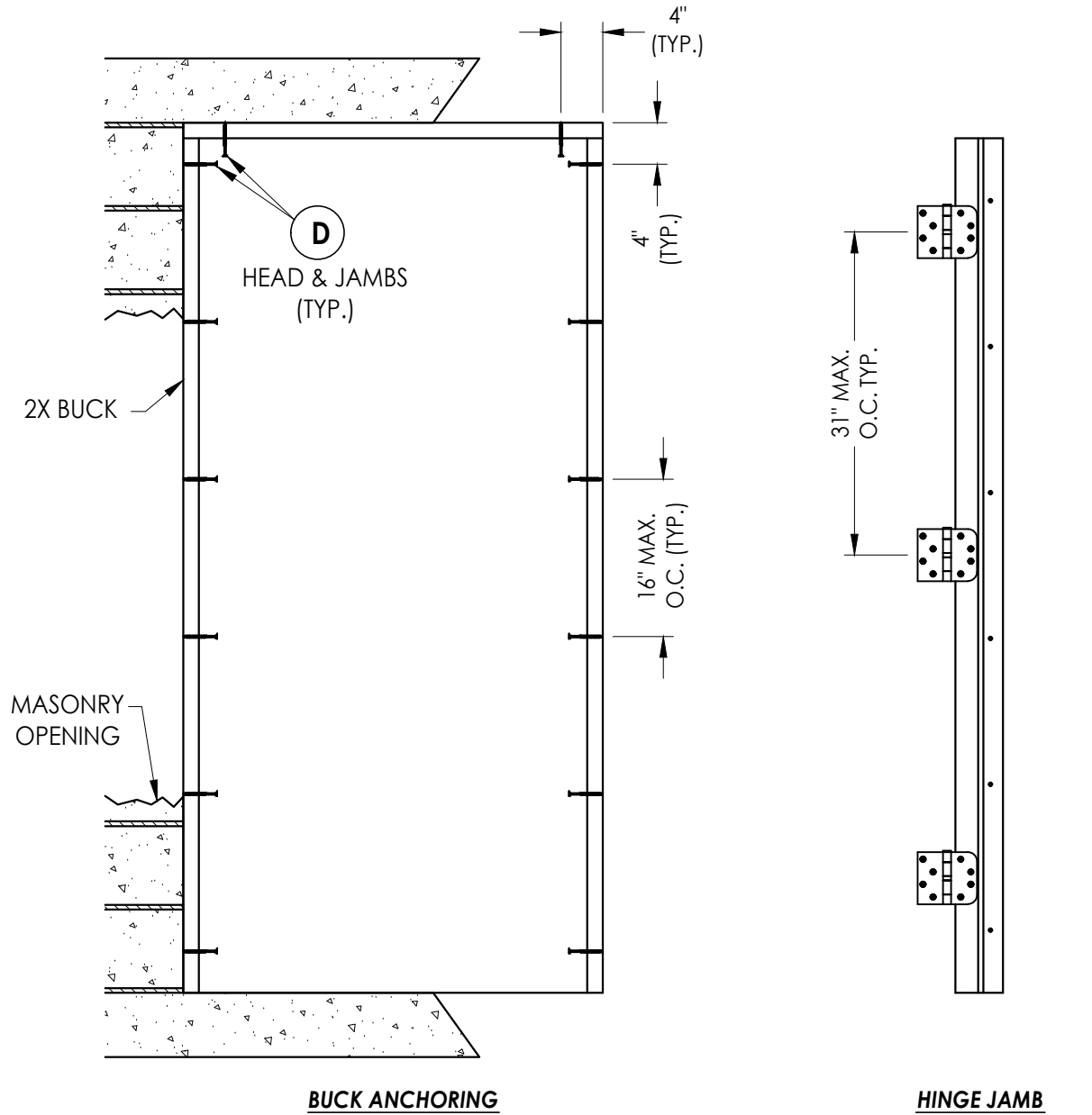
SHEET 4 OF 7

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

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FBPE Registry No. 9813

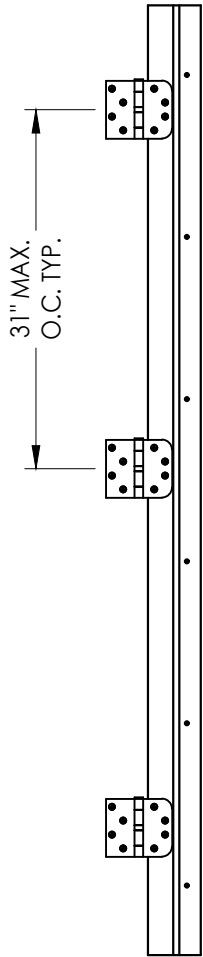
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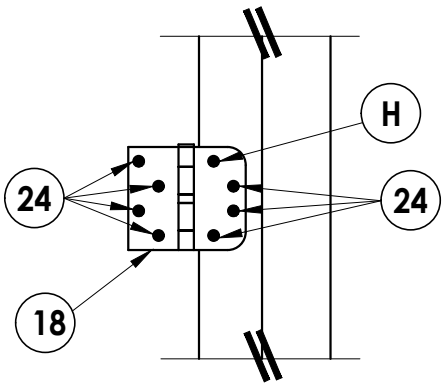


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PRODUCT:				STEVES & SONS				PART OR ASSEMBLY:				BUCK AND FRAME ANCHORING				2X BUCK MASONRY CONSTRUCTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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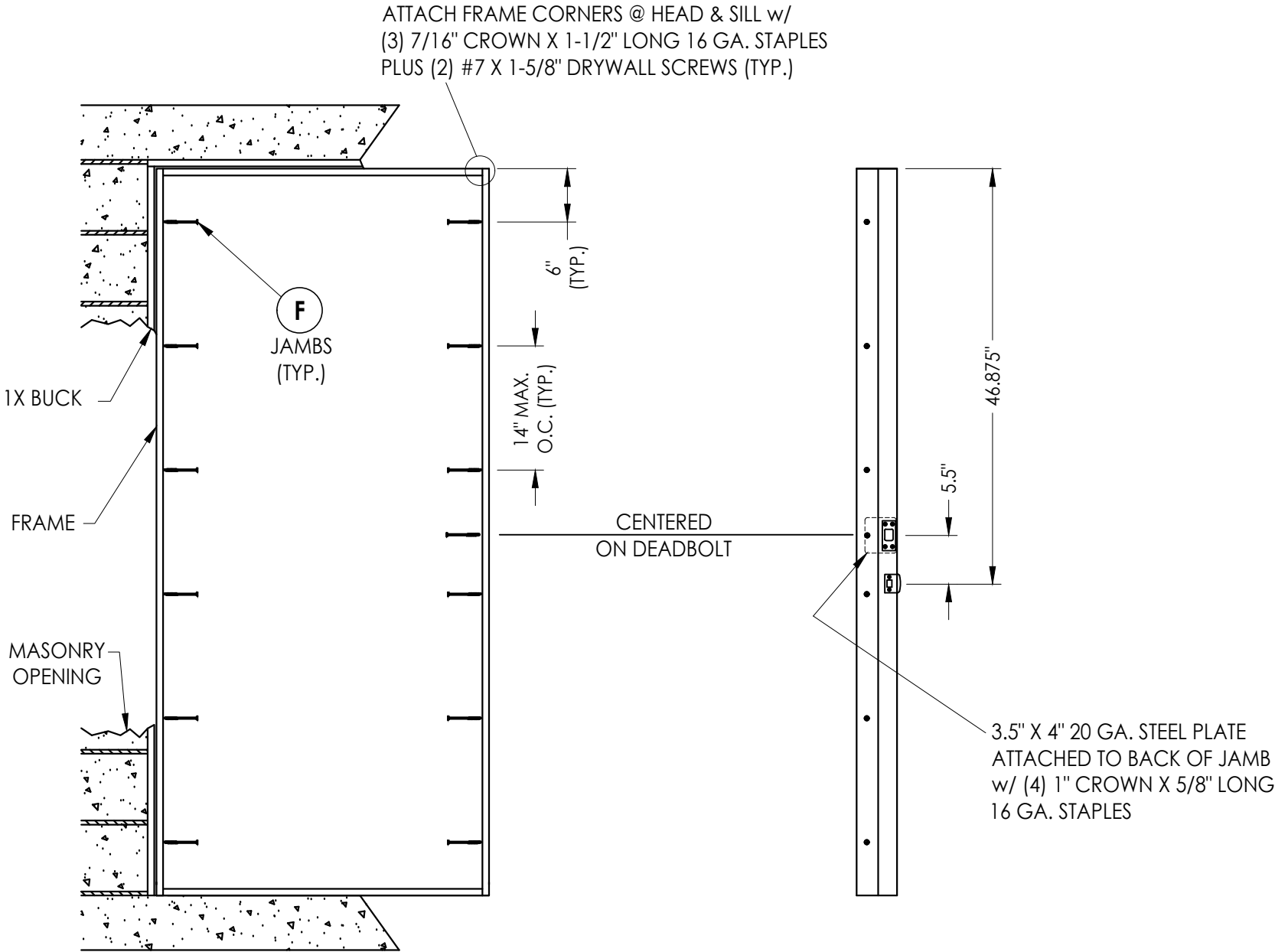
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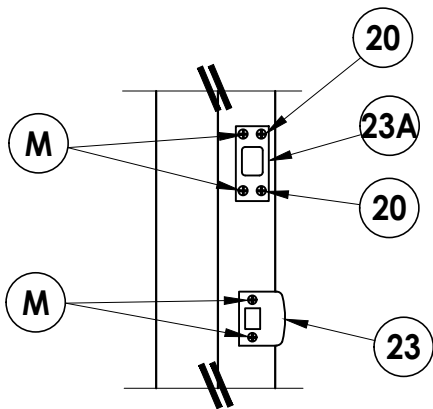
HINGE JAMB



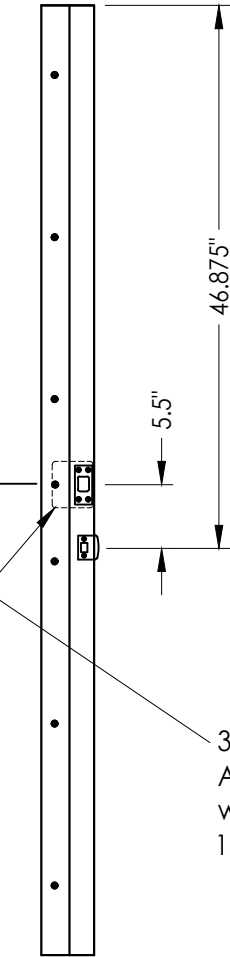
HINGE DETAIL



FRAME ANCHORING
Masonry 1X buck construction



STRIKE PLATE DETAIL



STRIKE JAMB

DATE: 7/18/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17903.1

SHEET 6 OF 7

PRODUCT:

STEVES & SONS

PART OR ASSEMBLY:

FRAME ANCHORING
1X BUCK MASONRY CONSTRUCTION

Documents Prepared By:

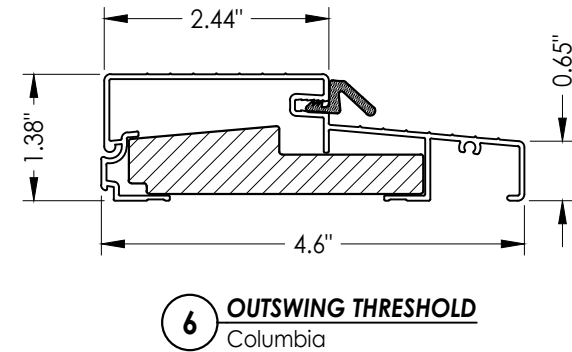
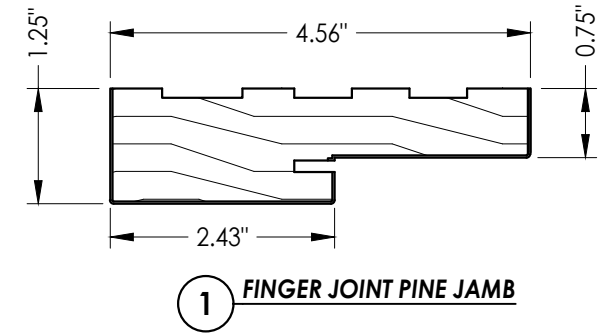
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.

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FBPE Registry No. 9813

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	#10 X 2-1/2" PFH WS (1.15" MIN. JAMB EMBEDMENT)	STEEL
L	#8 X 2-1/2" PFH WS	STEEL
M	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
1	JAMB - FINGER JOINT PINE (SG >= 0.42)	WOOD
6	OUTSWING THRESHOLD	ALUM/COMP
12	WEATHER STRIP (Q-LON)	FOAM
18	4" X 4" HINGE	STEEL
20	9 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
23	LATCH STRIKE PLATE	STEEL
23A	DEADBOLT STRIKE	STEEL
24	#9 X 3/4" PFH WS	STEEL
40	STEEL DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-



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"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.

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PRODUCT: STEVES & SONS		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
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DRAWING NO.: FL-17903.1			
SHEET 7 OF 7			