



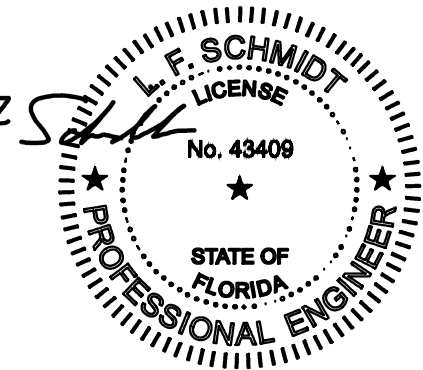
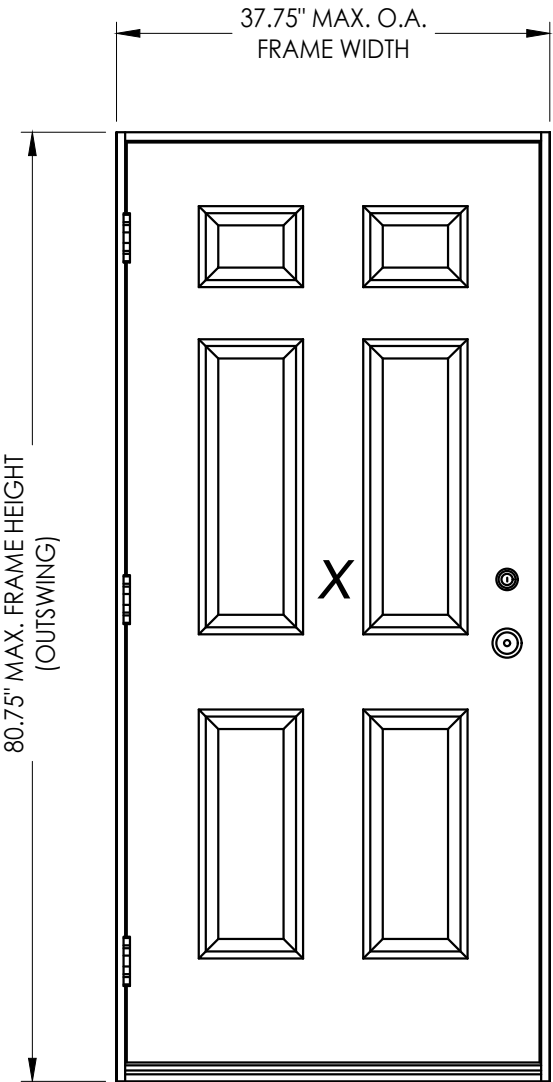
STEVES & SONS
203 Humble Ave.
San Antonio, TX 78225

**OPAQUE STEEL DOOR
OUTSWING
"IMPACT"**

GENERAL NOTES

1. This product anchoring drawing has been evaluated and is in compliance with the 8th Edition (2023) 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 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 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: 2023.08.07 08:58:13 -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

STEVES & SONS

PRODUCT:

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

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

REVISONS

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

DATE: 7/18/15

SCALE: N.T.S.

DWG. BY: JK

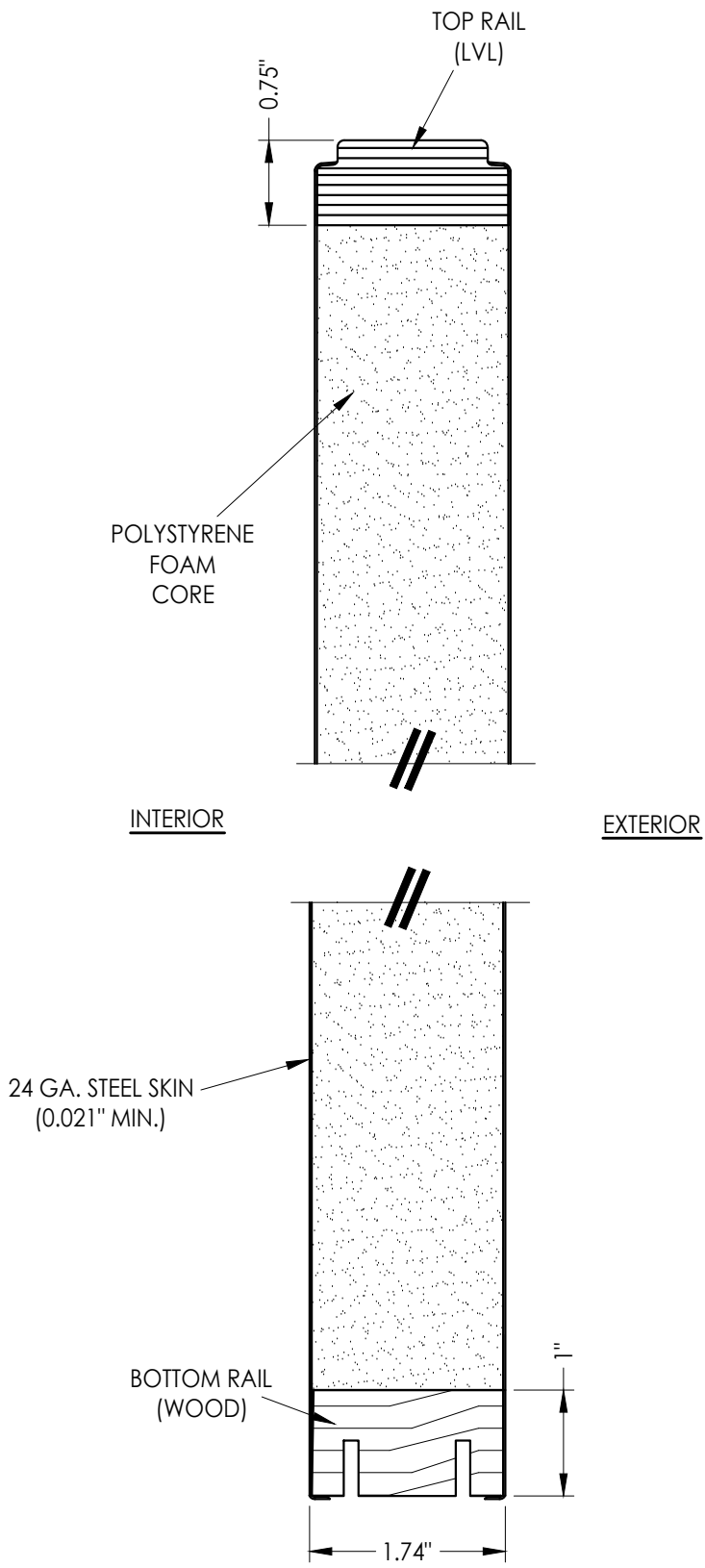
CHK. BY: LFS

DRAWING NO.: FL-17903.1

SHEET 1 OF 7

Technical drawing of a 6-panel glass door. The overall dimensions are 35.75" PANEL WIDTH and 79" PANEL HEIGHT. The door is divided into six rectangular panels arranged in a 3x2 grid. The top two panels are smaller than the bottom four. A central 'X' is marked on the door. Hardware callouts include a circle with '1' over '2' at the top right, a circle with '2' over '2' at the bottom center, and a circle with '3' over '2' at the bottom right. A dimension of 5.5" is shown for the hardware. A note 'SEE HARDWARE CHART' is present.

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



2 VERTICAL CROSS SECTION

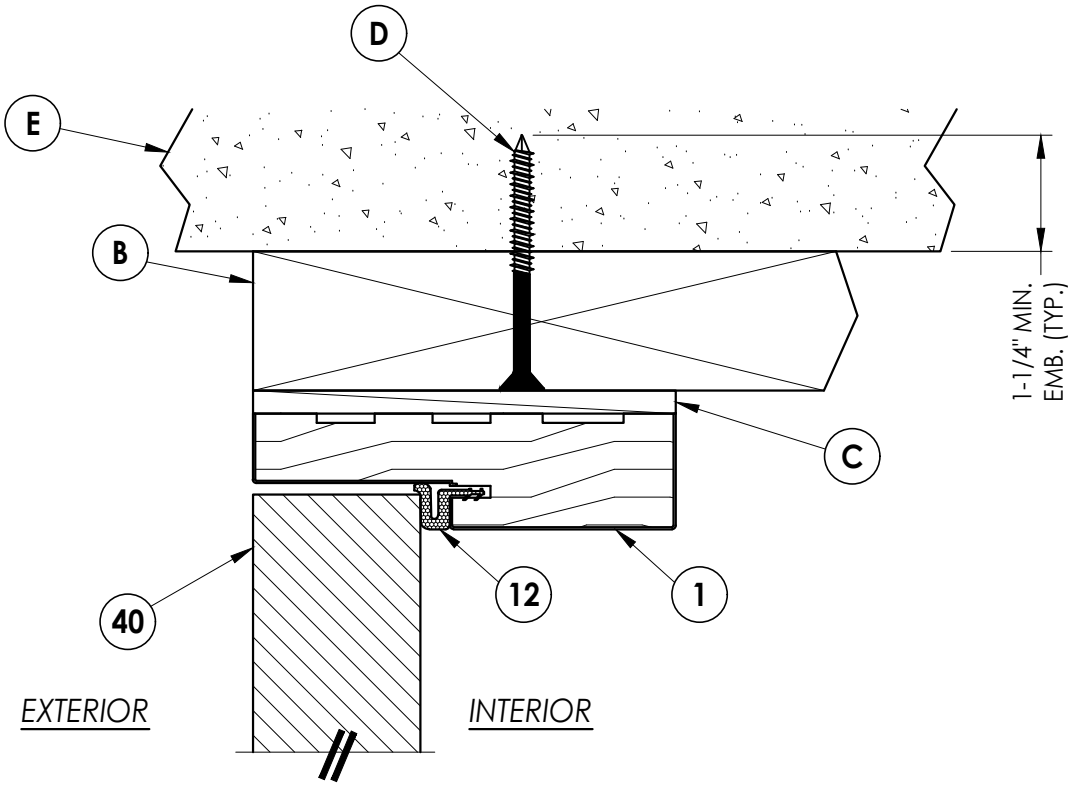
						LFS
						LFS
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3	3/24/22	UPDATE FOR NEW TESTING				LFS
2	9/16/20	UPDATE TO 7TH ED.	(2020)	FBC		LFS
1	10/08/17	UPDATE TO 6TH ED.	(2017)	FBC		JK
NO.	DATE					BY
						REVISIONS
DATE: 7/18/15						
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-17903.1						
SHEET 2 OF 7						

PRODUCT:	STEVES & SONS
PART OR ASSEMBLY:	DOOR PANEL CONSTRUCTION DETAILS

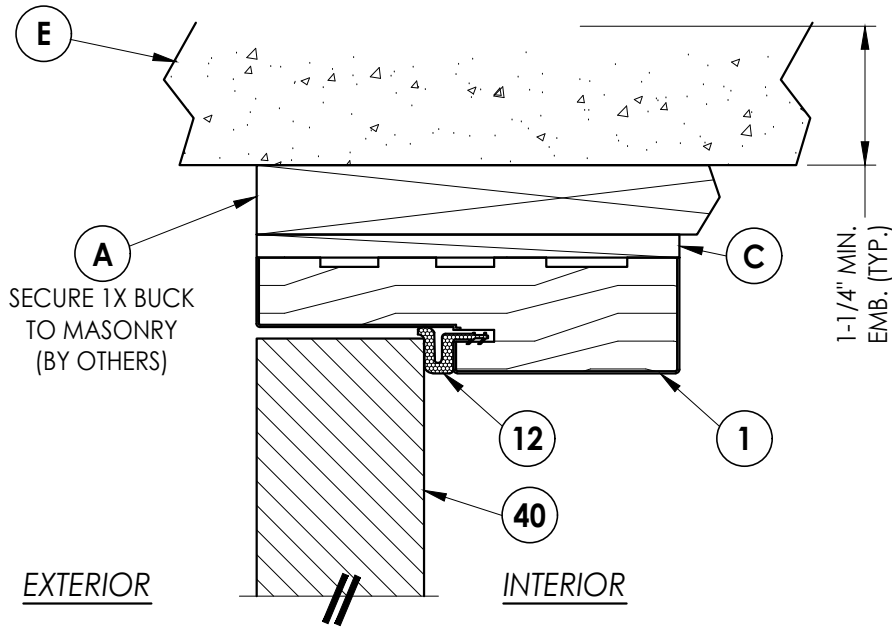
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

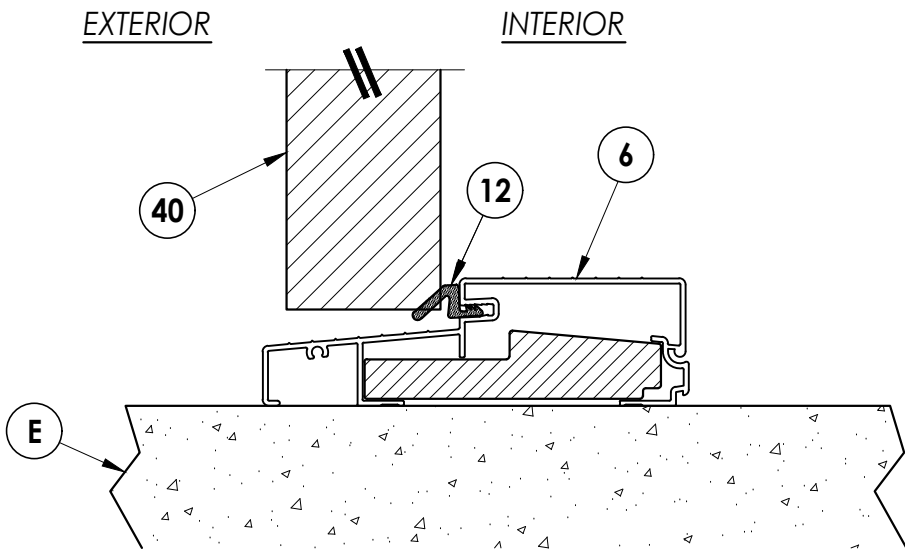
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1
4 VERTICAL CROSS SECTION

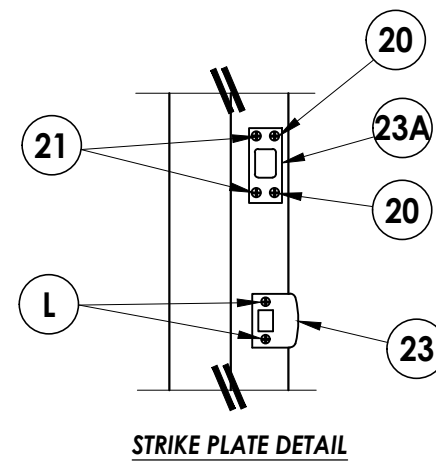
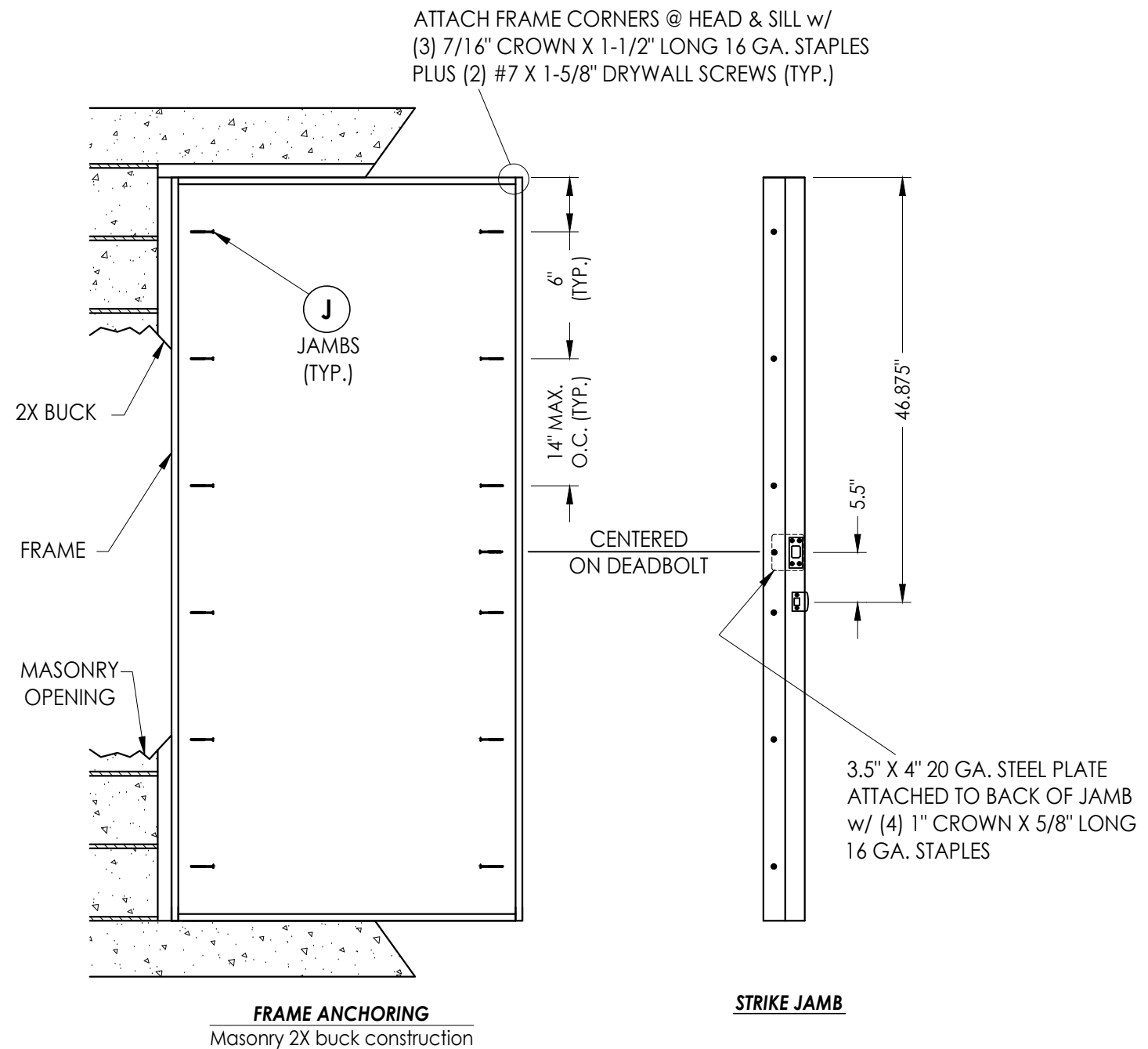
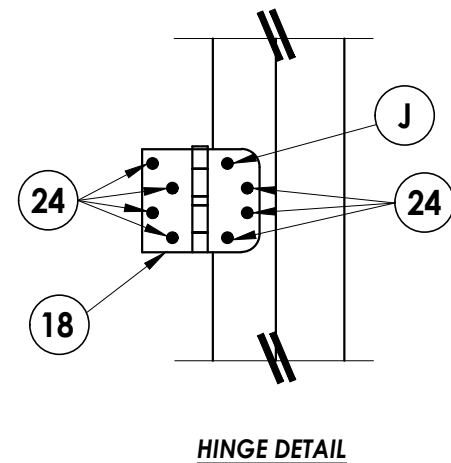
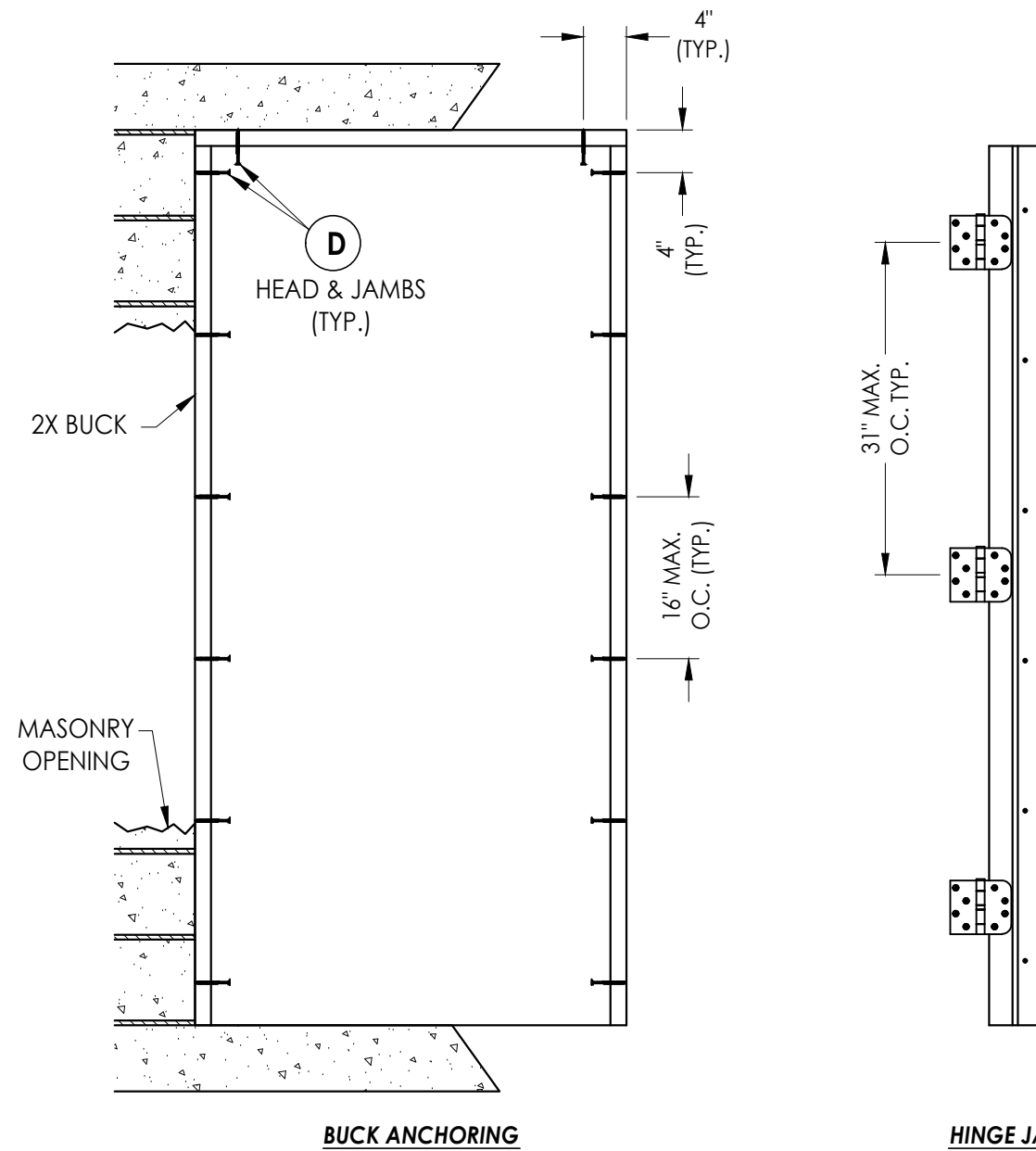


2
4 VERTICAL CROSS SECTION
Shown w/1X sub-buck



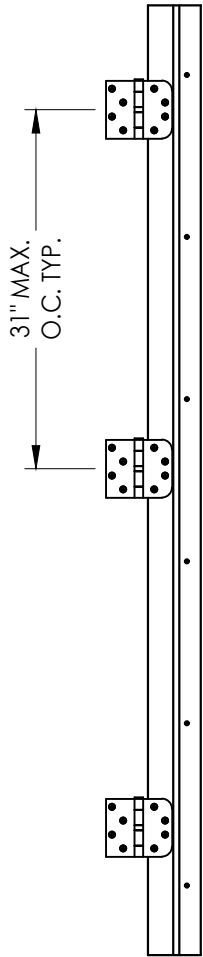
3
4 VERTICAL CROSS SECTION

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:		STEVES & SONS		PART OR ASSEMBLY:			VERTICAL CROSS SECTIONS
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 4 OF 7							

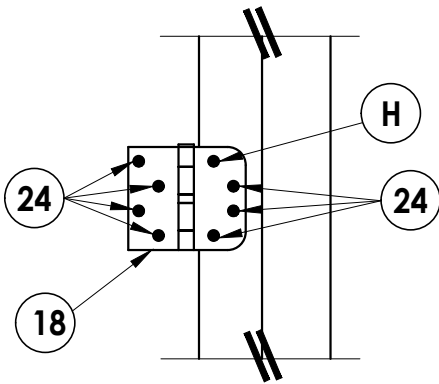


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												RW	
												PRODUCT: STEVES & SONS	
												PART OR ASSEMBLY: BUCK AND FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION	
4	8/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS									
3	3/24/22	UPDATE FOR NEW TESTING		LFS									
2	9/16/20	UPDATE 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.													
DWG. BY: JK													
CHK. BY: LFS													
DRAWING NO.: FL-17903.1													
SHEET 5 OF 7													

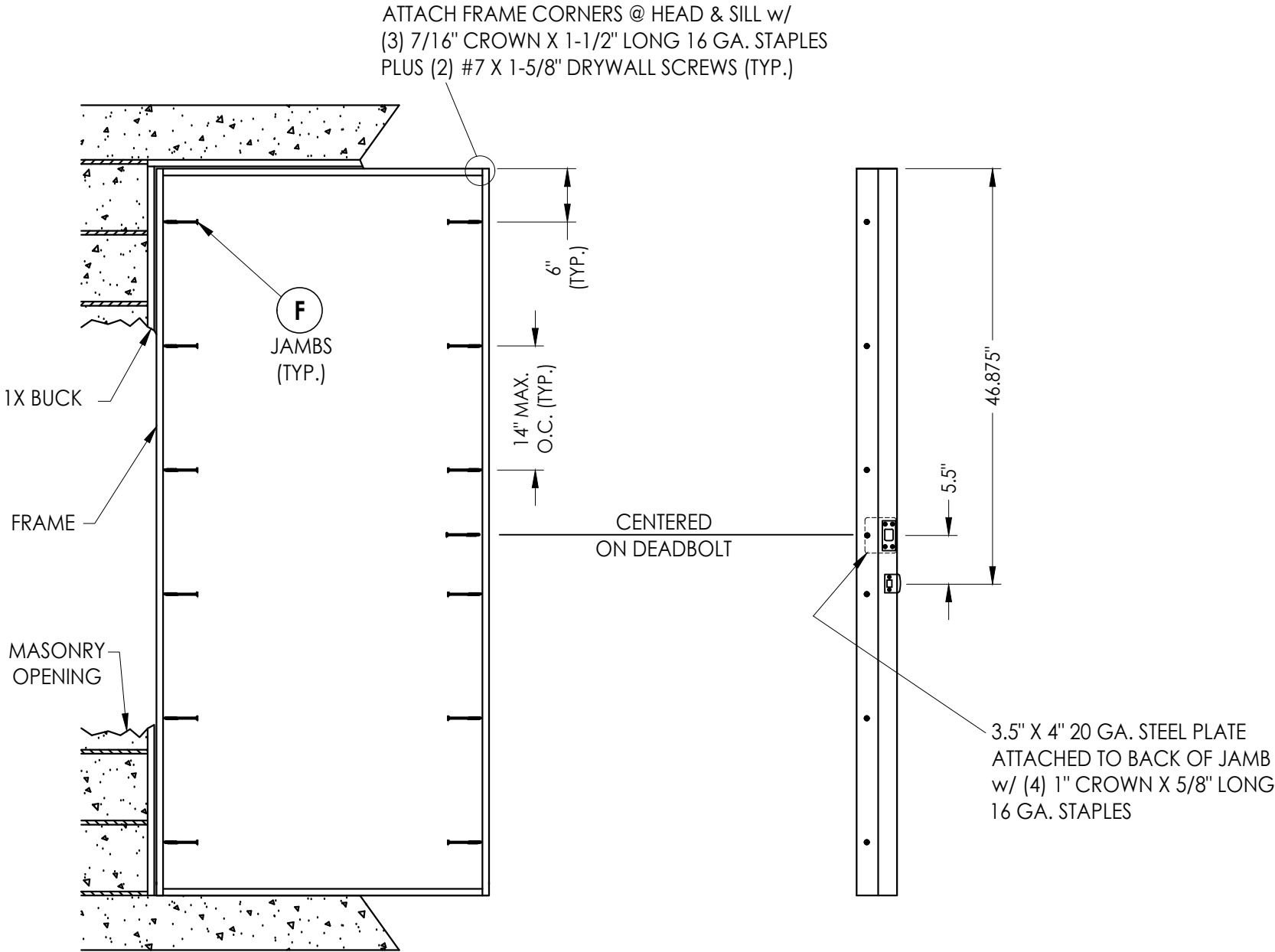
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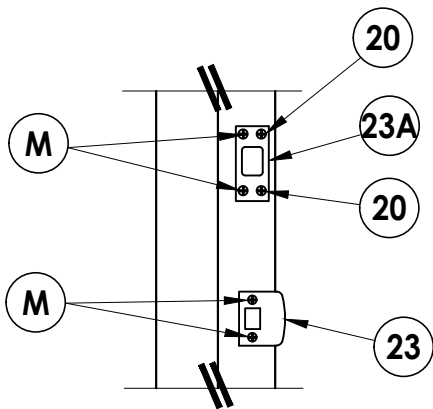
HINGE JAMB



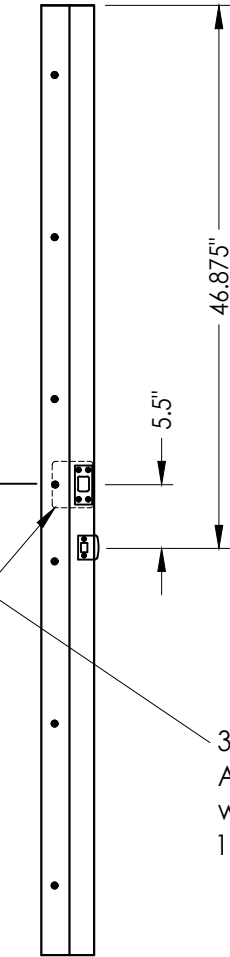
HINGE DETAIL



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

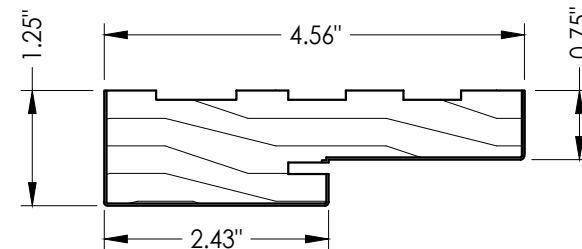
PRODUCT:	
STEVES & SONS	
PART OR ASSEMBLY:	
FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION	

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

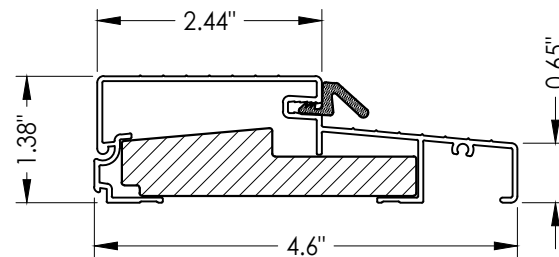
Documents Prepared By:
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P.E. No. 43409

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

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	-



1 FINGER JOINT PINE JAMB



6 OUTSWING THRESHOLD

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 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:

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

[illegible]

DATE: 7/18/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17903.1

SHEET 7 OF 7

STREET OF

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Phone No.: 813.659.9197
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PRODUCT: STEVES & SONS

PART OR ASSEMBLY:
**BILL OF MATERIALS
& COMPONENTS**

REVISIONS