

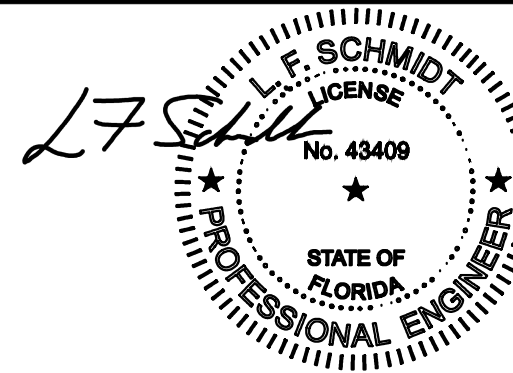
**5017 N. Coolidge
Tampa, FL 33614**

This exploded view diagram illustrates the assembly of a window frame. The components shown include:

- Top Frame Section:** A horizontal piece with two circular holes for hardware.
- Bottom Frame Section:** A horizontal piece with a central track and two circular holes.
- Sash Assembly:** Consists of two vertical pieces with notched tops and a central track, designed to fit into the bottom frame's track.
- Side Panel:** A vertical rectangular piece that fits into the side of the frame.
- Hardware:** Two circular holes are indicated on the top and bottom frame sections, suggesting the location of screws or bolts.

Dashed lines indicate the alignment and assembly path for the sash and side panel into the main frame structure.

ADJUSTABLE STEEL DOOR FRAME



Digitally signed by Lyndon F
Schmidt
Date: 2023.08.08 11:14:45 -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

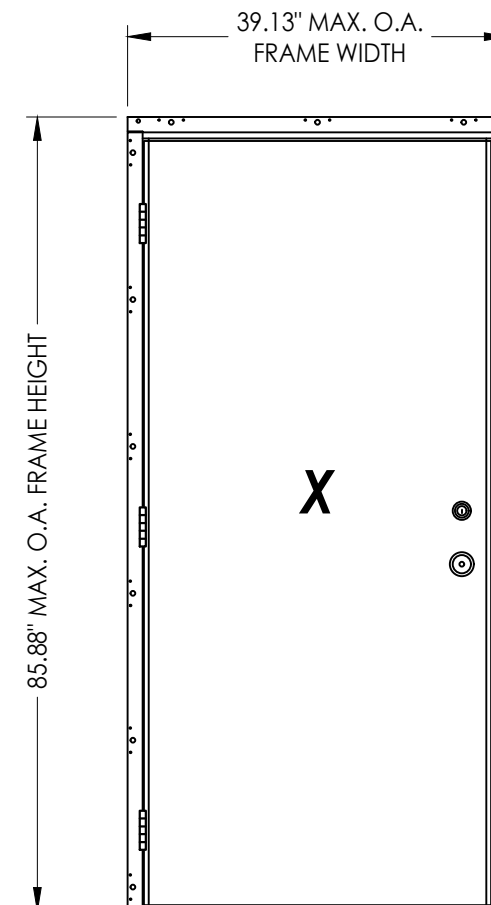
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

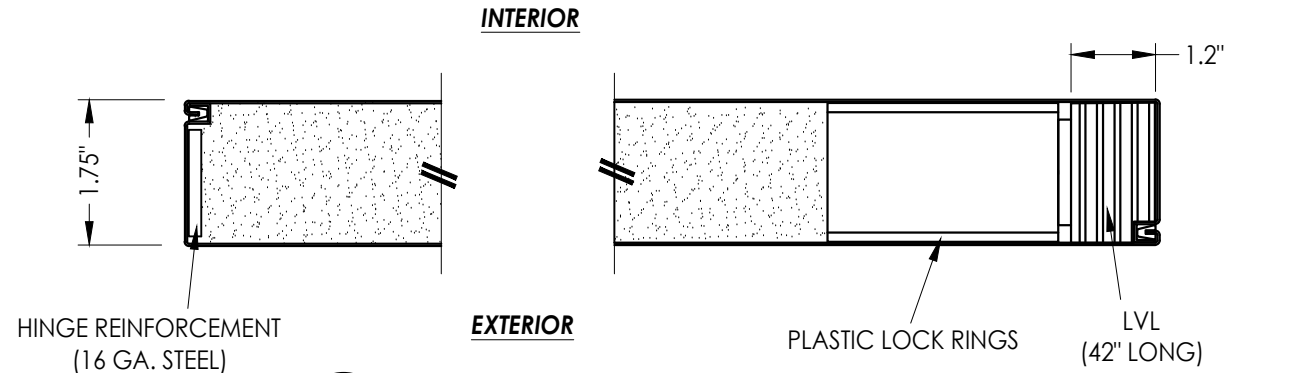
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Elevation & Corner detail
4	Horizontal cross sections
5	Vertical cross sections
6	Buck & frame anchoring
7	Bill of materials & components



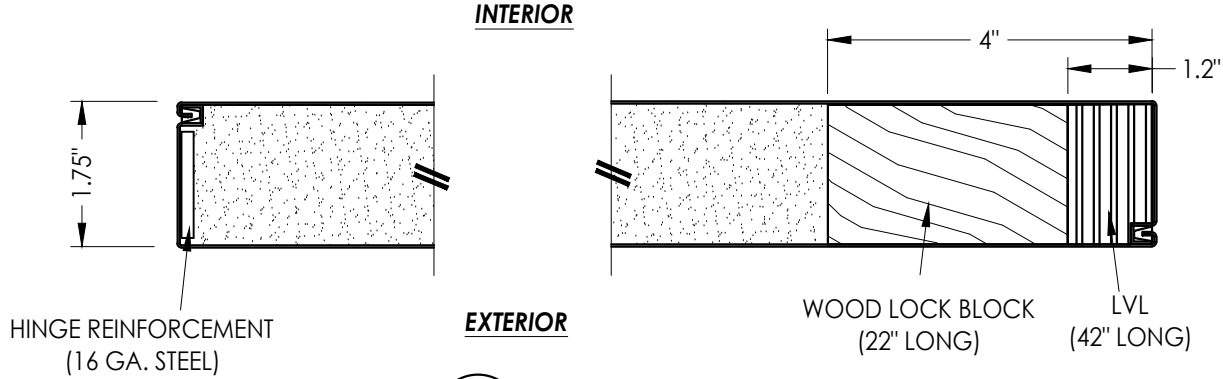
DOOR PANEL	MAX. OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF) IN SWING	
		POSITIVE	NEGATIVE
MASONITE	39.13" X 85.88"	+ 65.0	- 65.0

[illegible]

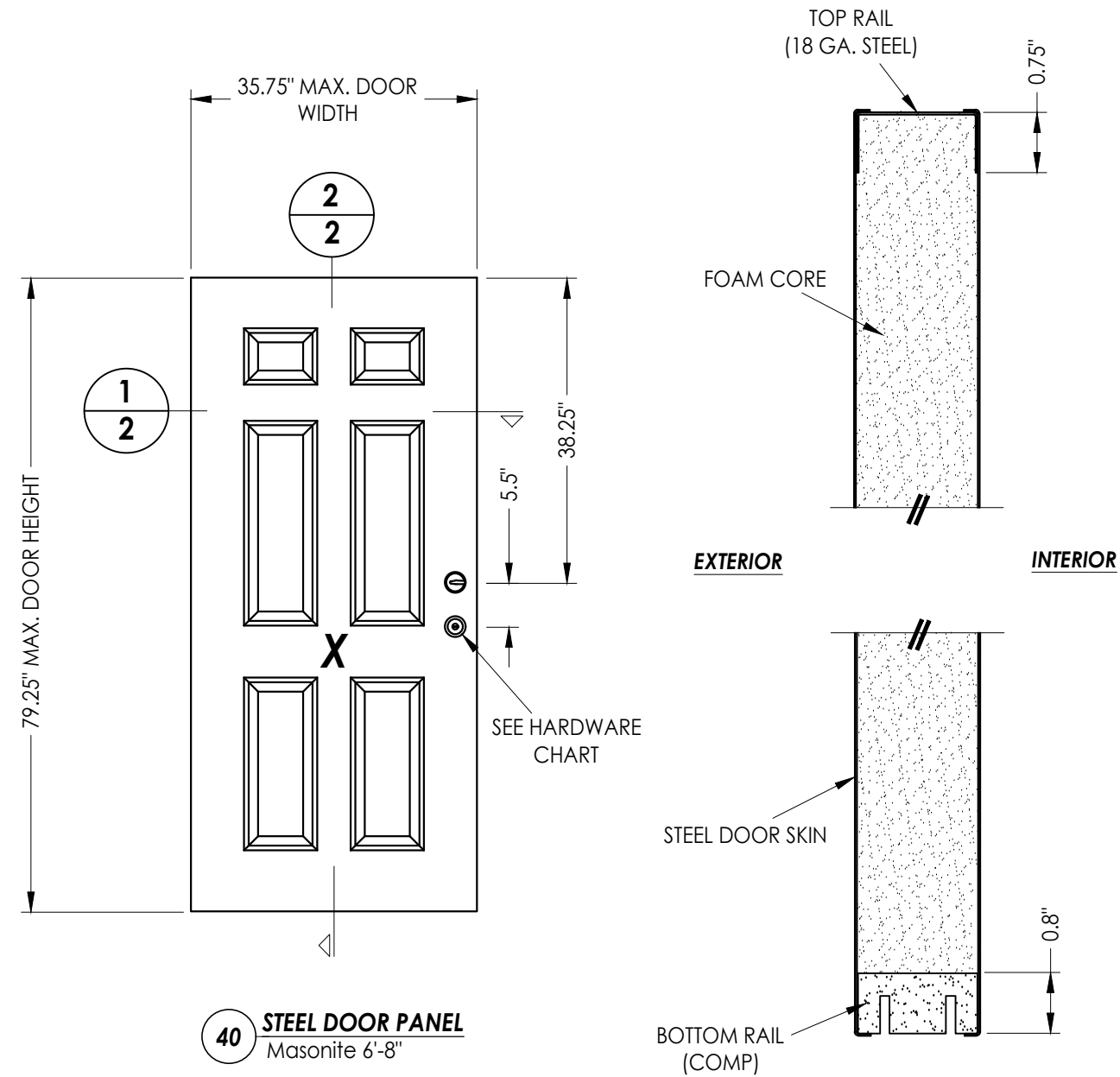
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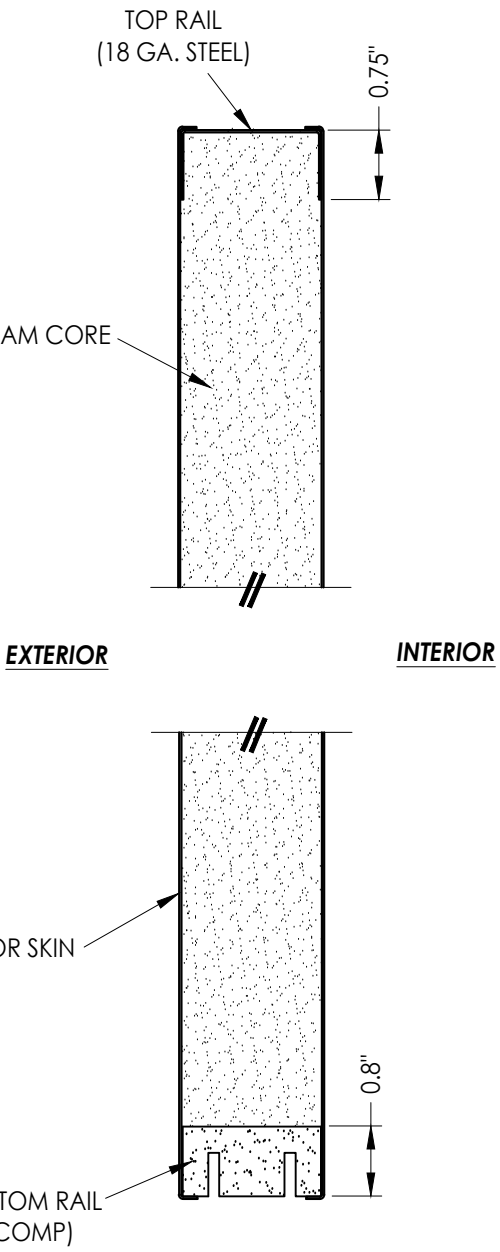
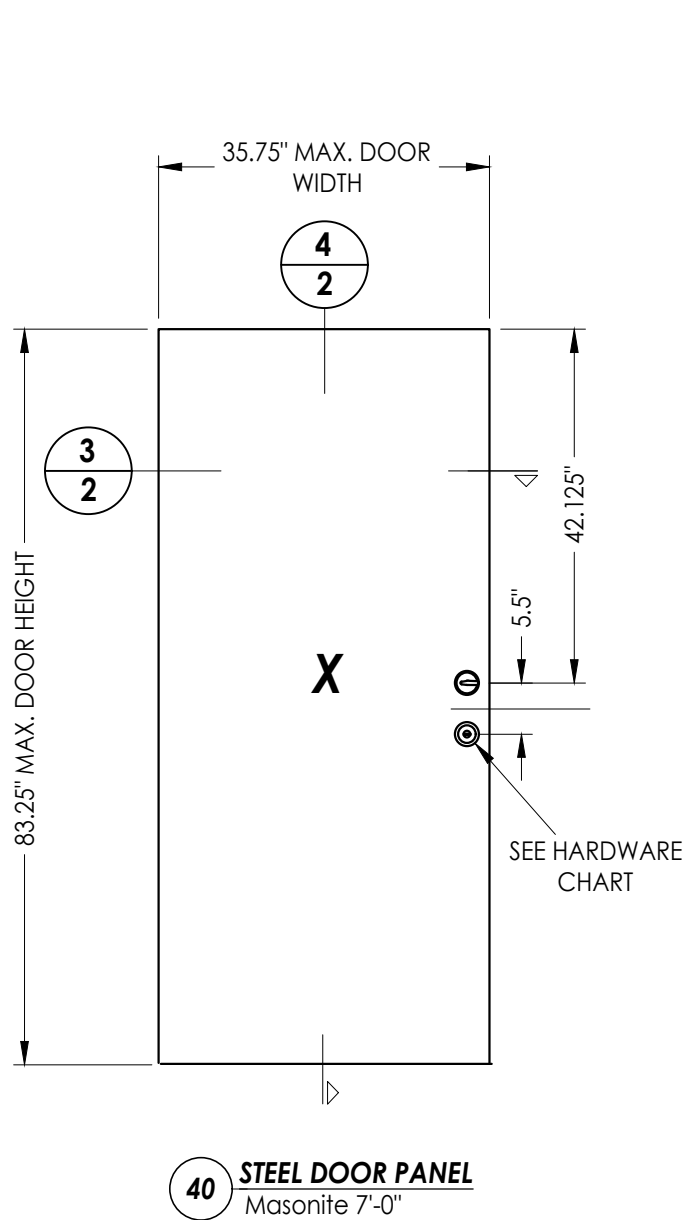
1
2 **HORIZONTAL CROSS SECTION**



3
2 **HORIZONTAL CROSS SECTION**



2
2 **VERTICAL CROSS SECTION**



4
2 **VERTICAL CROSS SECTION**

DOOR SKIN: 0.022" MIN. THK. GALV. STEEL
CORE MATERIAL: POLYURETHANE CORE

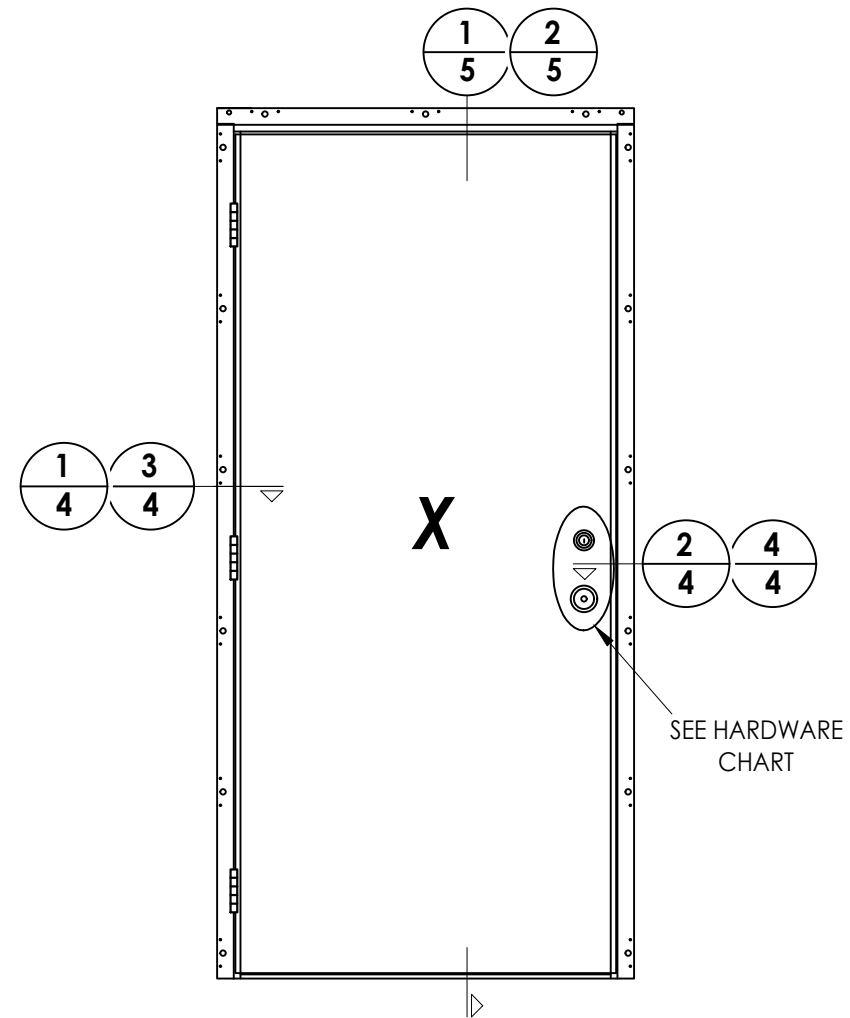
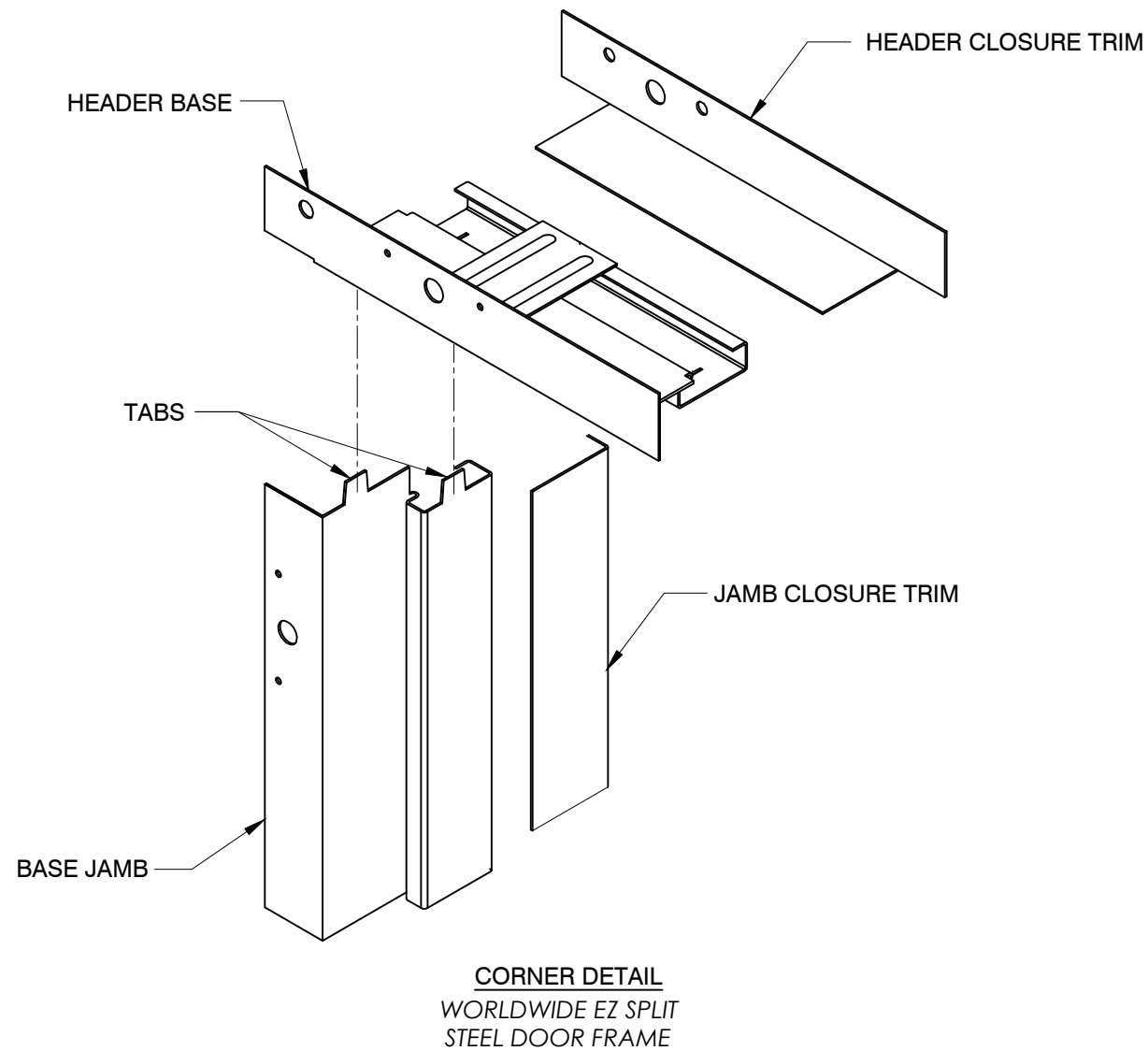
Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	WORLDWIDE STEEL FRAME	
	PART OR ASSEMBLY:	DOOR PANEL DETAILS

NO.	DATE	REVISIONS	
		BY	LFS
1	8/08/23	UPDATE TO 8TH ED. (2023)	FBC

DATE:	4/15/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-12991.3
SHEET	2 OF 7



HARDWARE TABLE		
MANUFACTURER	MODEL	
PAMEX	Knob:	FT3 Series
	Deadbolt:	FD2 Series

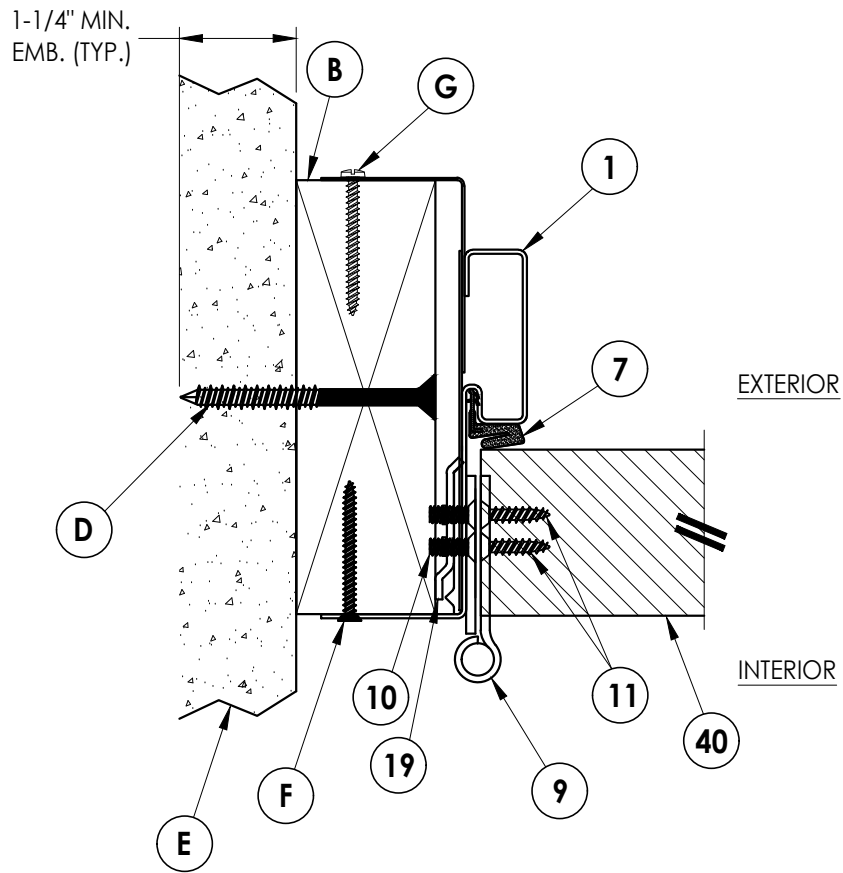
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NO.	DATE	REVISIONS			
				BY	

DATE:	4/15/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-12991.3
SHEET	<u>3</u> OF <u>7</u>

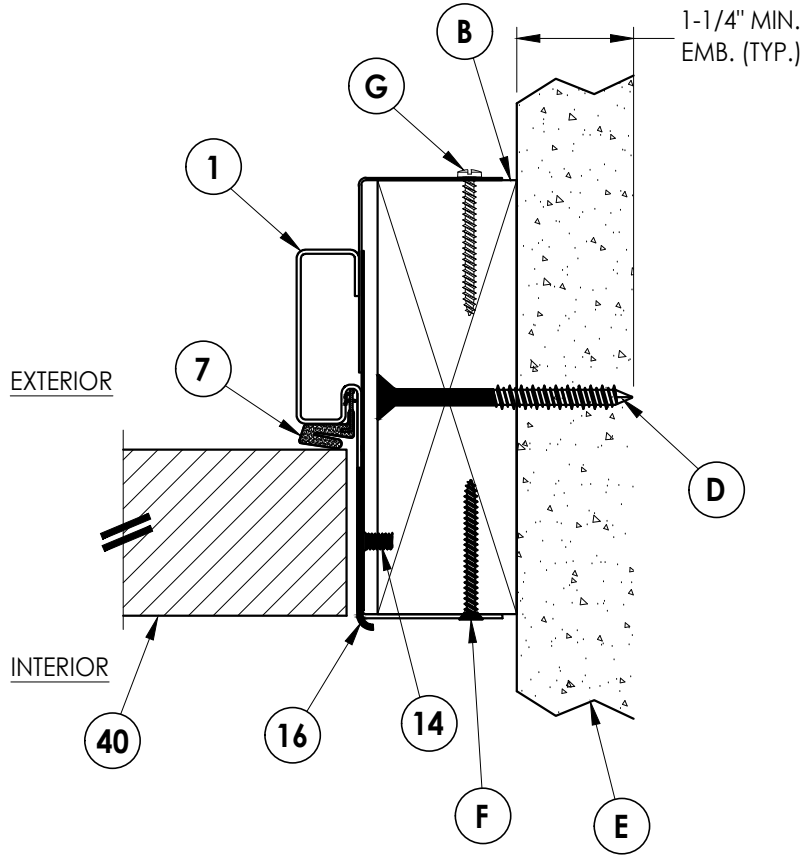
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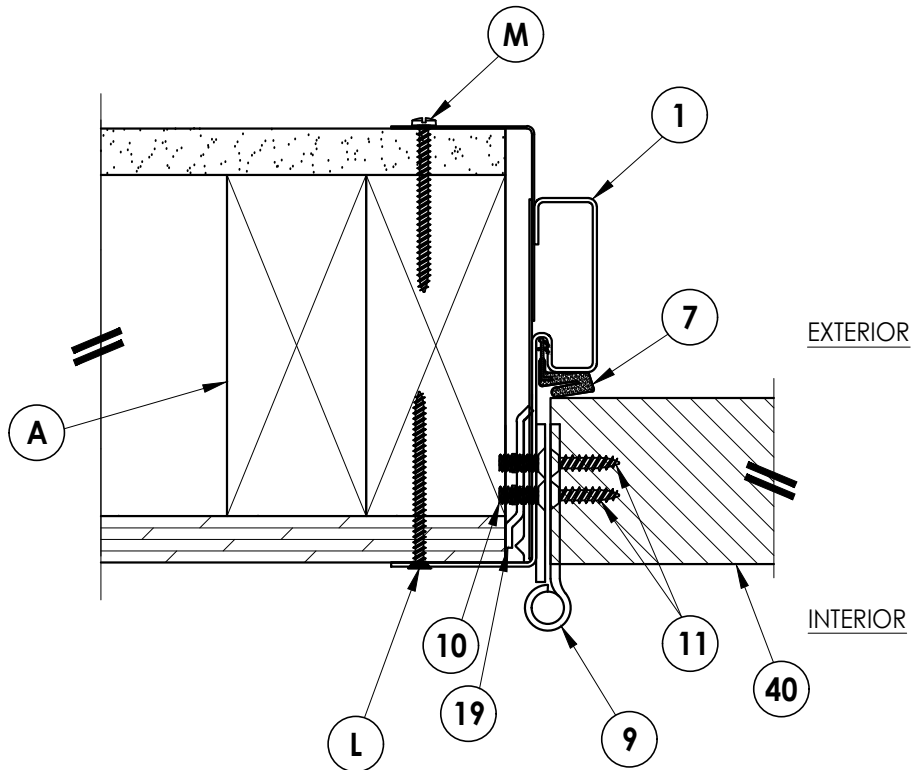
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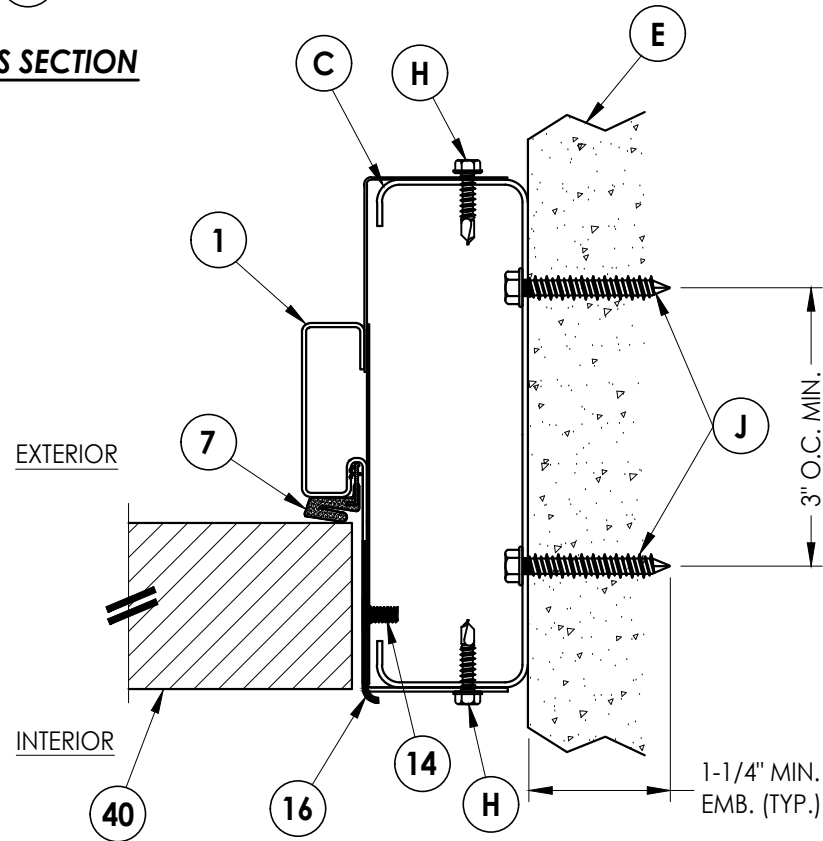
1
4 **HORIZONTAL CROSS SECTION**
2X Buck Construction



2
4 **HORIZONTAL CROSS SECTION**
2X Buck Construction



3
4 **HORIZONTAL CROSS SECTION**
2X Stud Construction



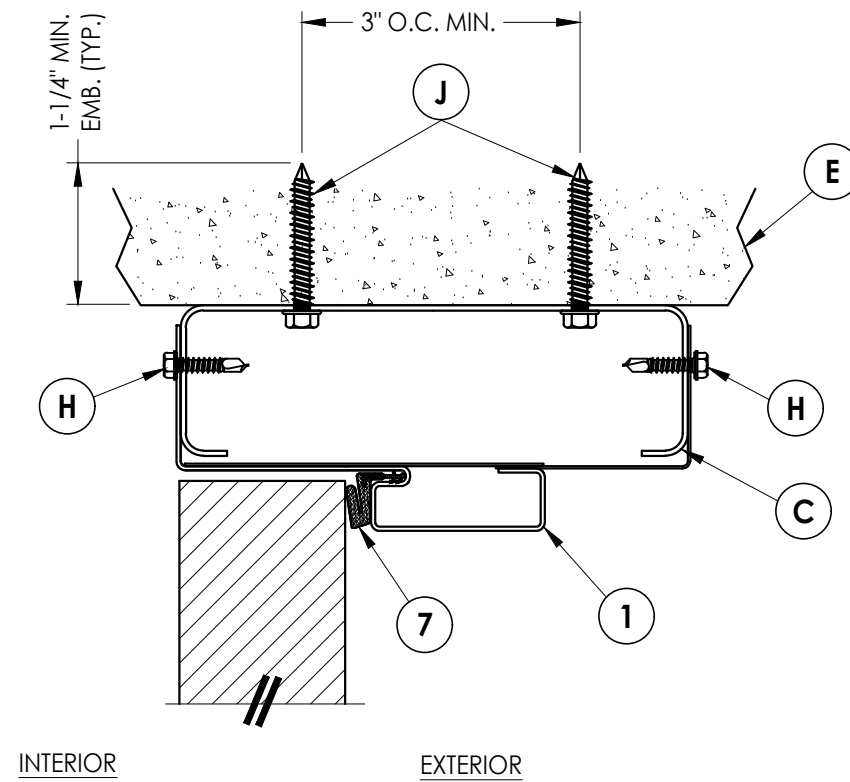
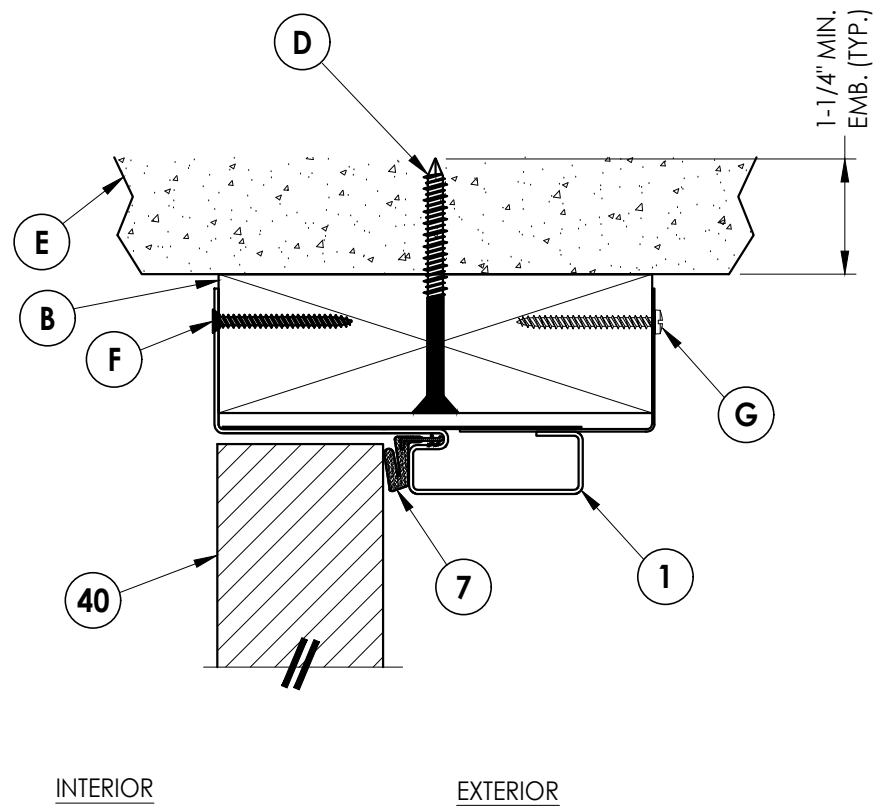
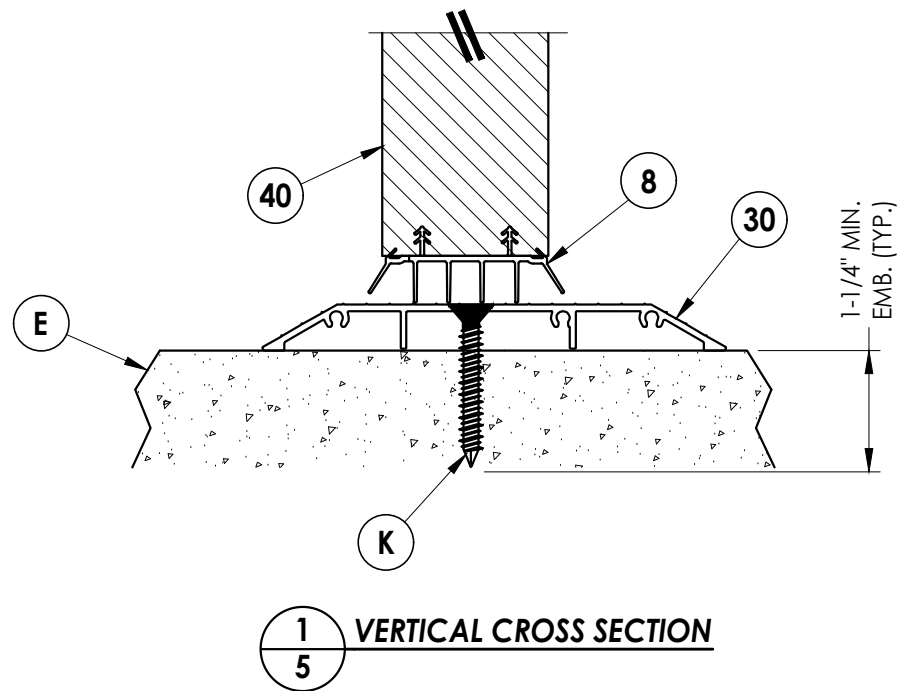
4
4 **HORIZONTAL CROSS SECTION**
Steel Stud Construction

NO.	DATE	REVISIONS
1	8/08/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE:	4/15/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-12991.3
SHEET	4 OF 7

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:	WORLDWIDE STEEL FRAME
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

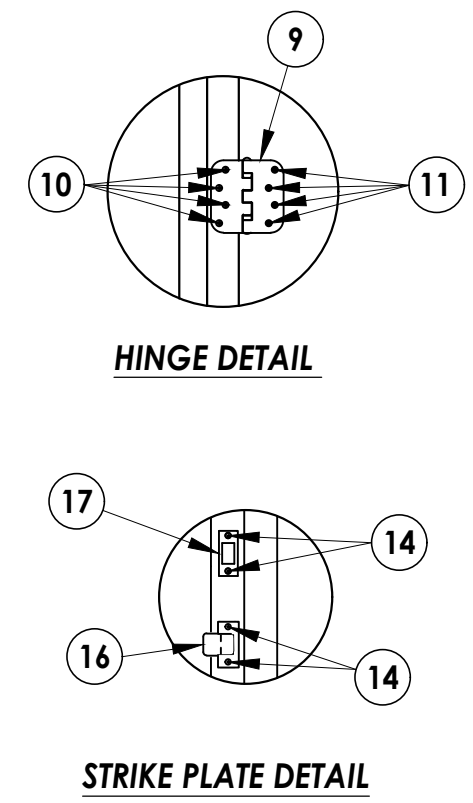
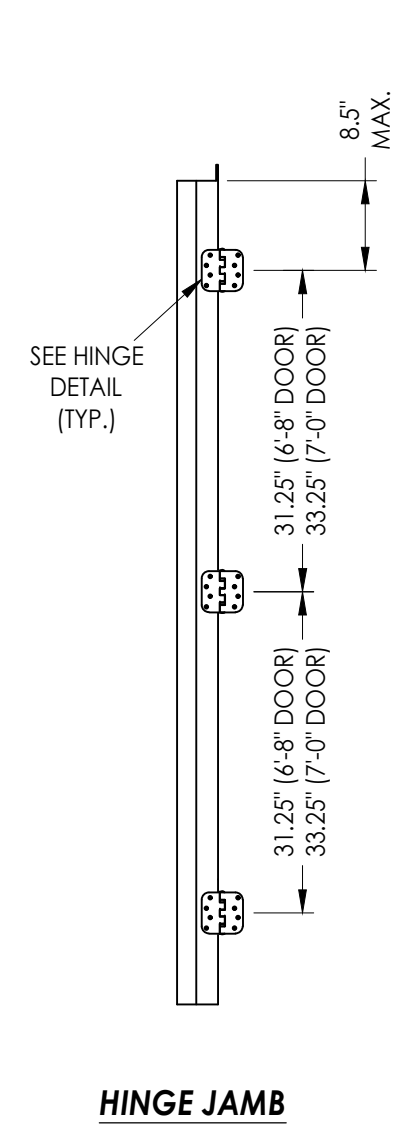
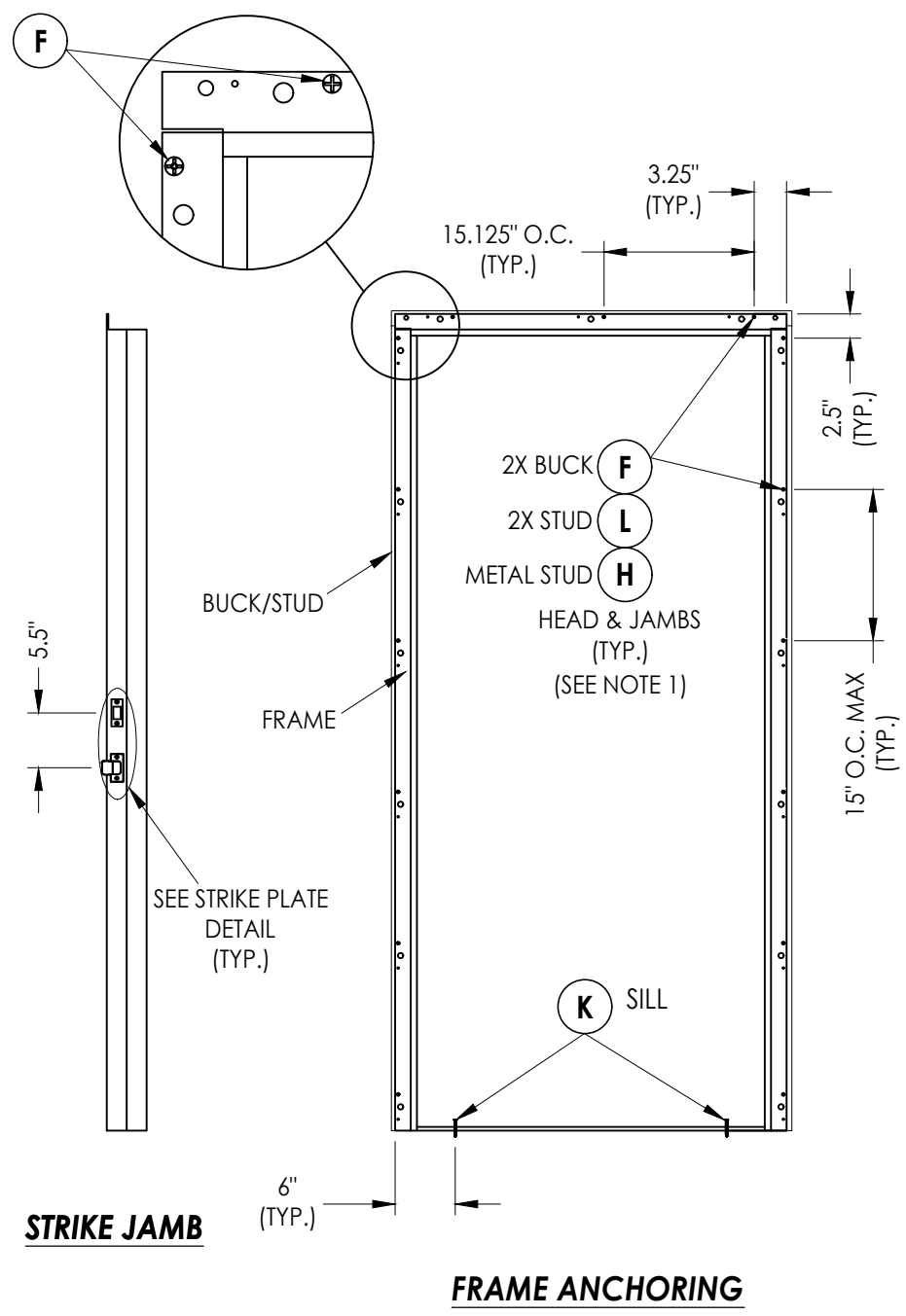
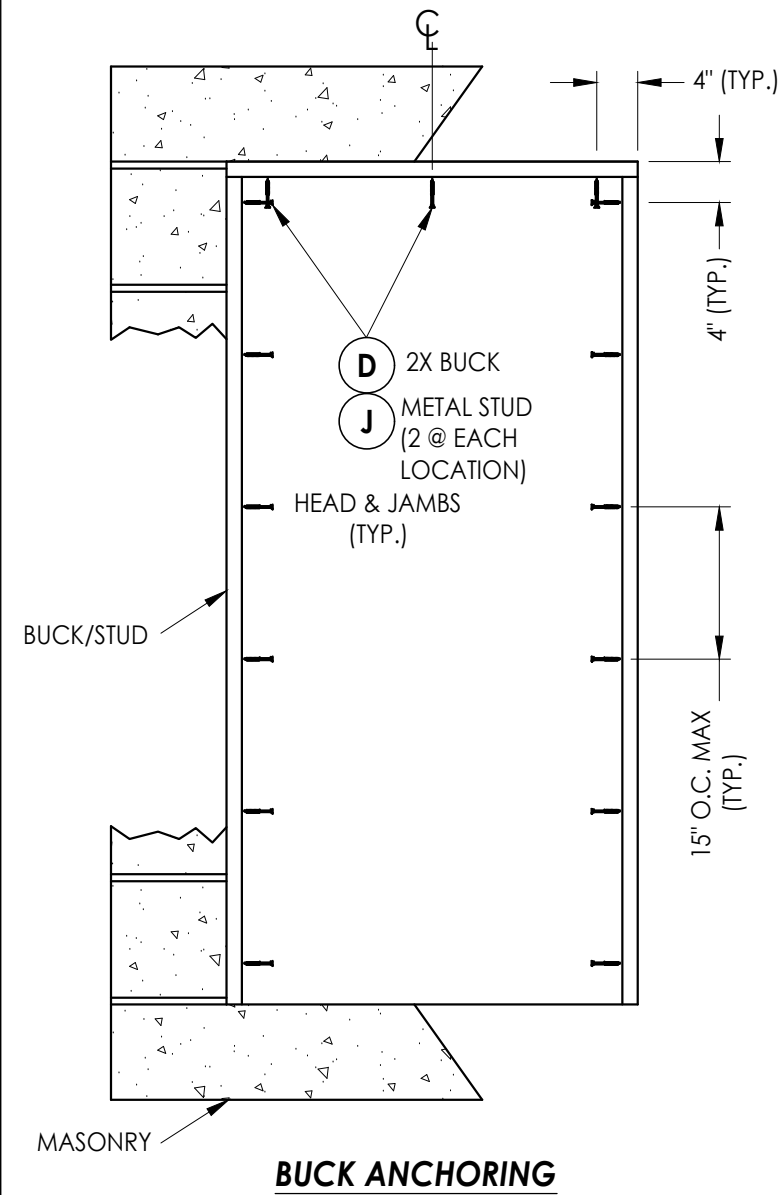


2 VERTICAL CROSS SECTION
5

1	8/08/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS				
NO.	DATE				BY				
						REVISIONS			
DATE: 4/15/21									
SCALE: N.T.S.									
DWG. BY: RW									
CHK. BY: LFS									
DRAWING NO.: FL-12991.3									
SHEET 5 OF 7									

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NOTE:

1. ITEMS **(F)**, **(L)** & **(H)** ARE LOCATED ON THE INTERIOR FACE THROUGH THE MAIN FRAME AS SHOWN. ITEMS **(G)**, **(M)** & **(H)** (NOT SHOWN) ARE LOCATED ON THE EXTERIOR FACE THROUGH THE CLOSURE FRAME AS FOLLOWS: 11.375" O.C. ALONG HEAD (4 TOTAL) & 12.625" O.C. ALONG JAMBS (7 TOTAL EACH JAMB).

[illegible]

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X STUD FRAMING (SG>= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	METAL STUD (SSMA STUD 550S162-54, Fy = 33 ksi, Fu = 45 ksi)	STEEL
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 OR ASTM A653 STEEL	CONCRETE
F	#8 X 1-1/2" FH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
G	#8 X 1-1/2" PH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
H	#10 X 3/4" HWH SELF-DRILLING TEK SCREW (3 THREADS MUST PROTRUDE THRU STEEL)	STEEL
J	1/4" X 1-3/4" DeWALT HWH CONCRETE SCREW	STEEL
K	1/4" X 1-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
L	#8 X 2" FH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
M	#8 X 2" PH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
1	EZ SPLIT FRAME (18 GA. GALV. STEEL) w/ CLOSURE	STEEL
7	WEATHERSTRIP	-
8	DOOR SWEEP	PVC
9	4" X 4" HINGE	STEEL
10	10-24 X 5/8" PFH MS	STEEL
11	#9 X 3/4" PFH SMS	STEEL
14	8-32 X 3/8" PFH MS	STEEL
16	LATCH STRIKE PLATE	STEEL
17	DEADBOLT STRIKE PLATE	STEEL
19	JAMB HINGE REINFORCEMENT (16 GA. 1.5" x 4" GALV. STEEL)	STEEL
30	ADA THRESHOLD	ALUM
40	DOOR - SEE DOOR PANEL DETAILS	-

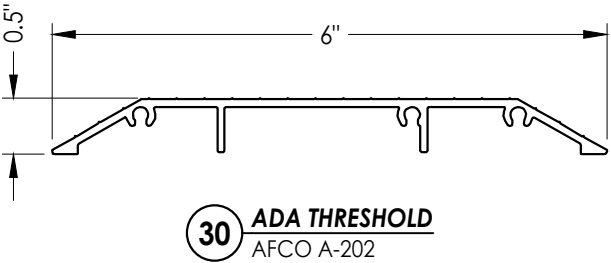
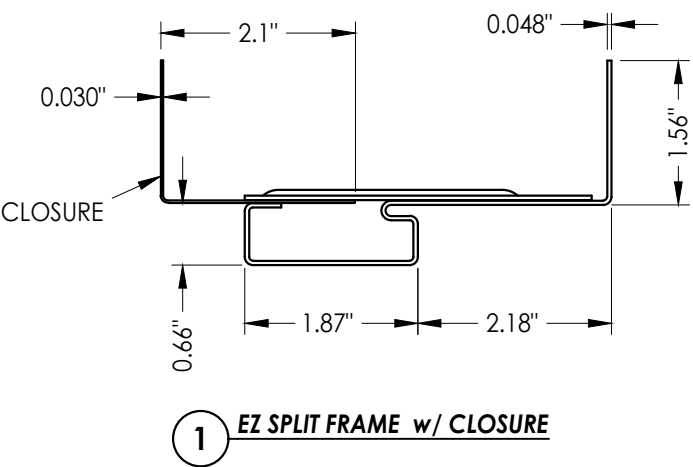
CONCRETE ANCHOR NOTES:

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 ULTRA-CON®	1/4"	1-1/4"	2-1/2"	3"

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]