

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

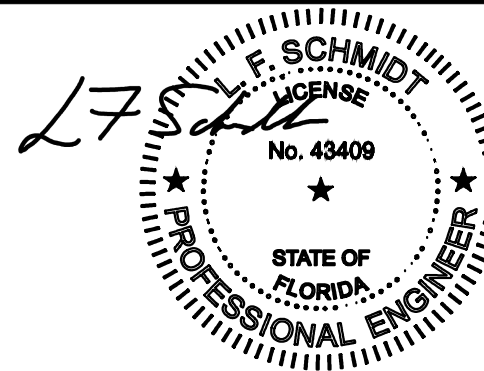
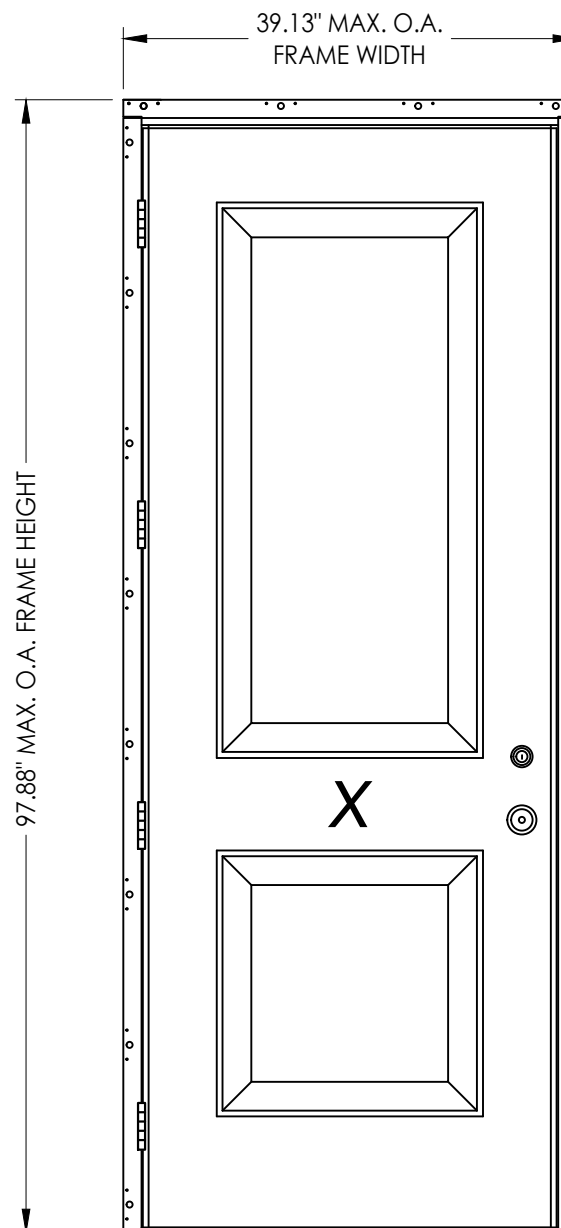
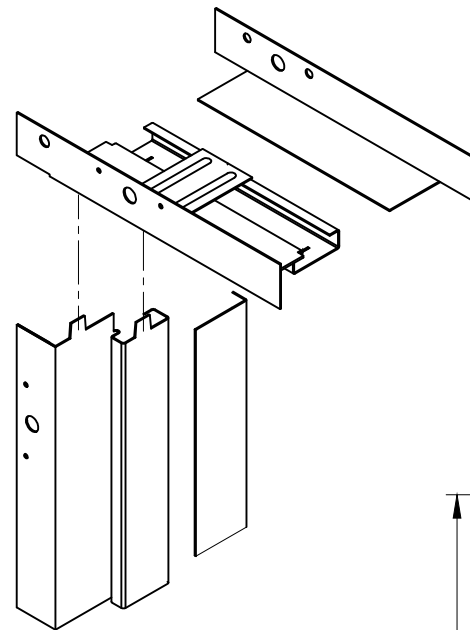
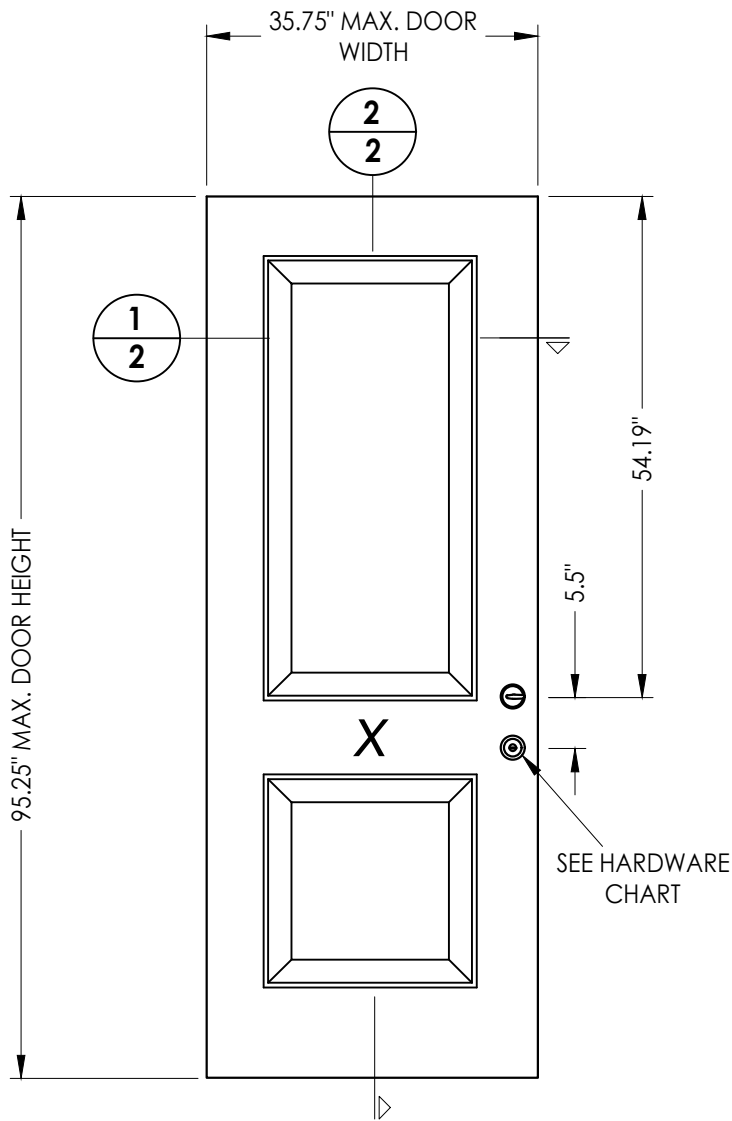


TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Elevation & Corner detail
4	Horizontal cross sections
5	Vertical cross sections
6	Buck & frame anchoring
7	Bill of materials & components

DOOR PANEL	MAX. OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING/OUTSWING	
		POSITIVE	NEGATIVE
MASONITE	39.13" X 97.88"	+ 60.0	- 60.0

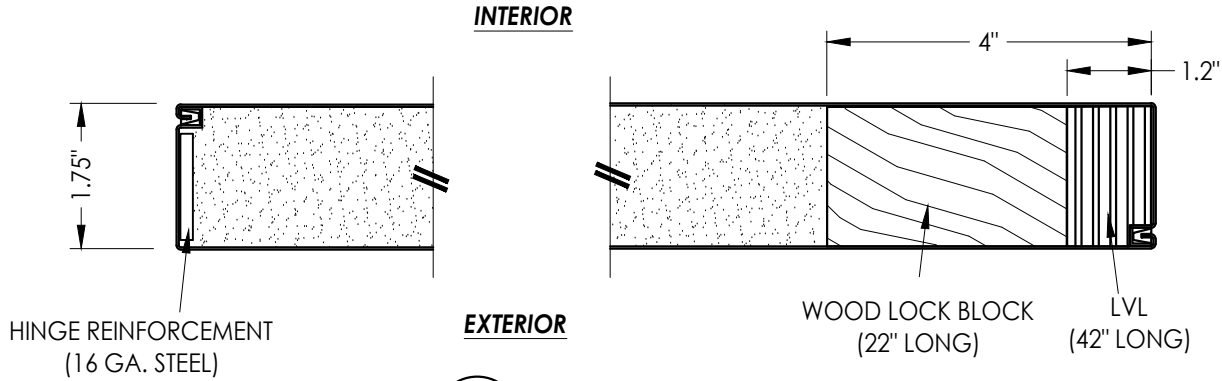
[illegible]

Z:\2023 FBC Drawings\Worldwide Door Components\FL-12991 R7\FL-12991.4.dwg

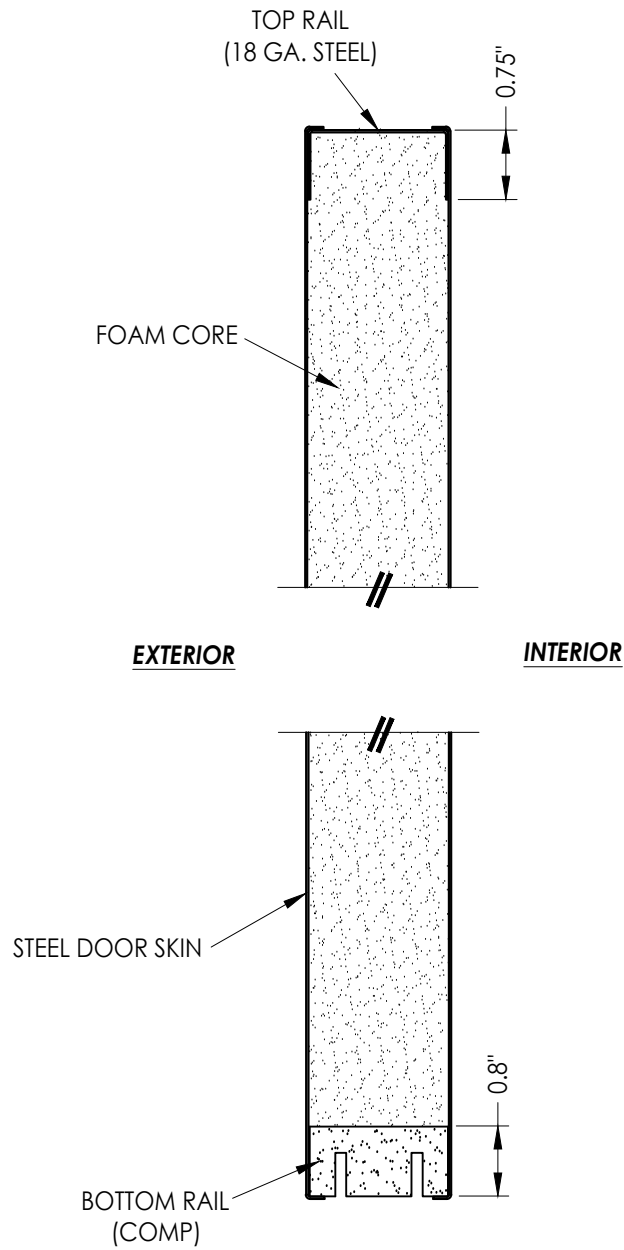


40 **STEEL DOOR PANEL**
Masonite 8-0"

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



1
2 **HORIZONTAL CROSS SECTION**



2
2 **VERTICAL CROSS SECTION**

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

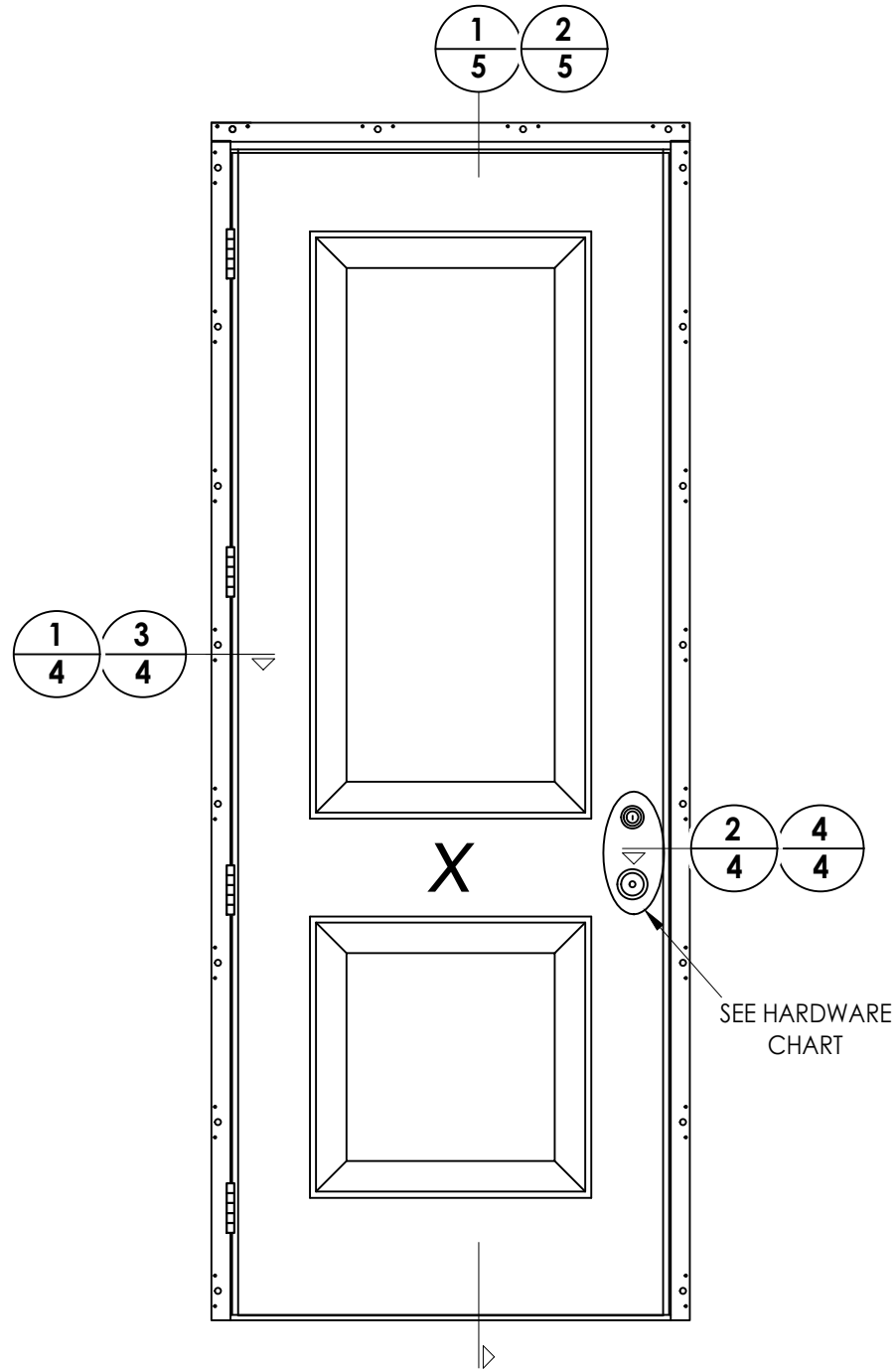
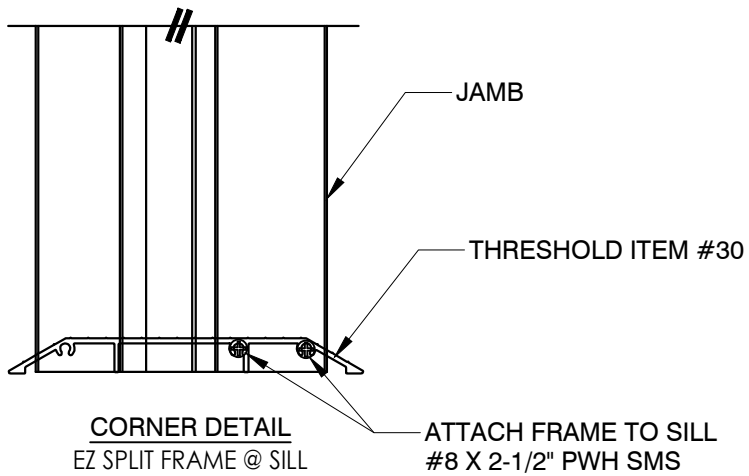
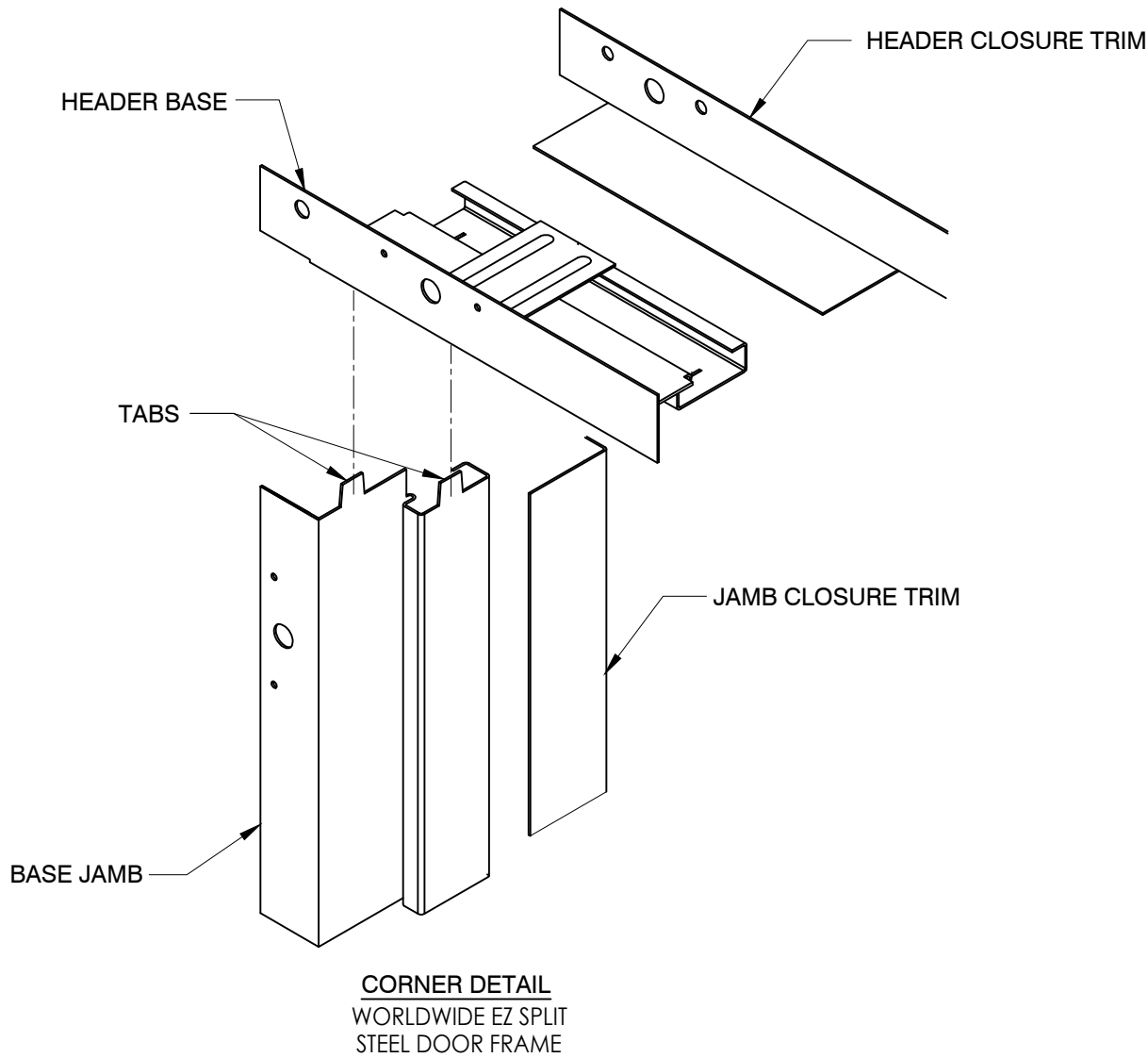
DATE: 2/07/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-12991.4
SHEET 2 OF 7

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

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

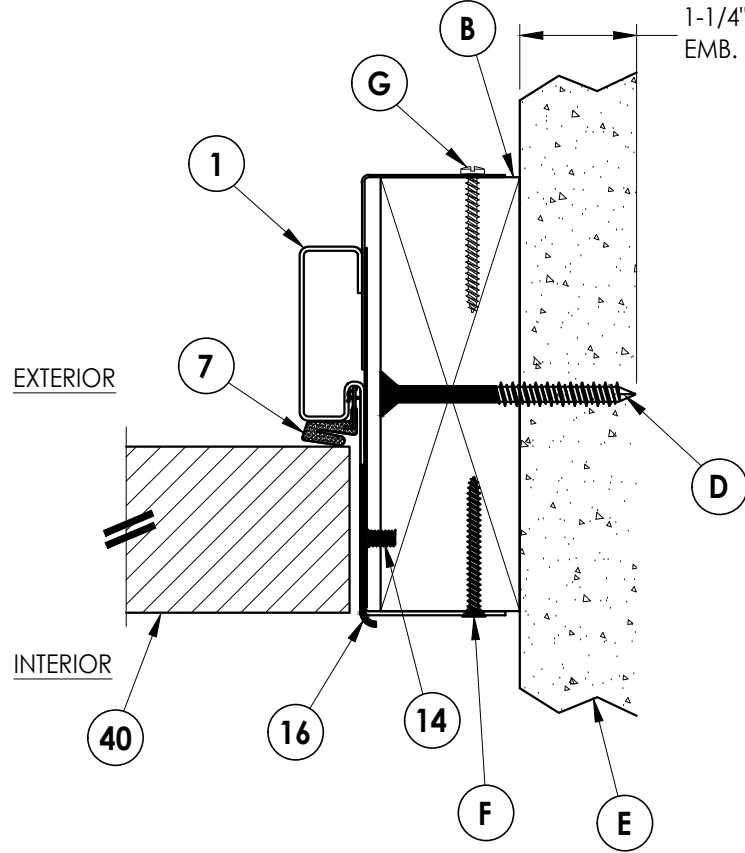
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Worldwide Door Components\FL-12991 R7\FL-12991.4.dwg



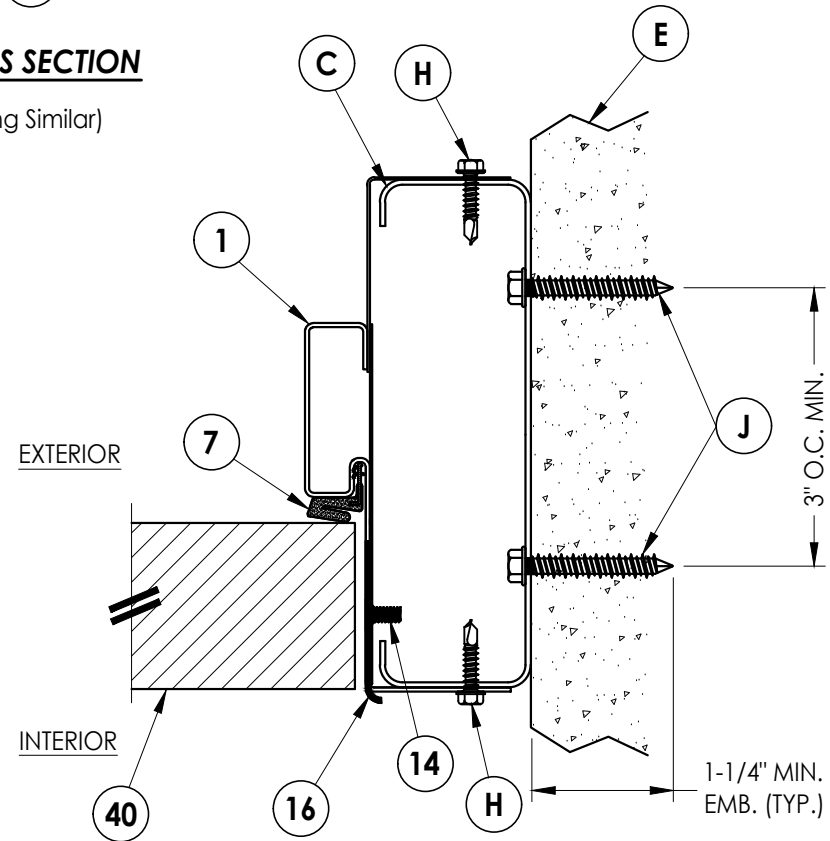
HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	Knob:	F51
	DEADBOLT:	B60N

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				R ^W 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: ELEVATION & CORNER DETAIL			
				REVISIONS			
				1	8/08/23	UPDATE TO 8TH ED. (2023)	FBC
				NO.	DATE		BY
							LFS
							BY
				DATE: 2/07/23			
				SCALE: N.T.S.			
				DWG. BY: RW			
				CHK. BY: LFS			
				DRAWING NO.: FL-12991.4			
				SHEET 3 OF 7			



2 HORIZONTAL CROSS SECTION

4 2X Buck Construction Inswing Shown (Outswing Similar)

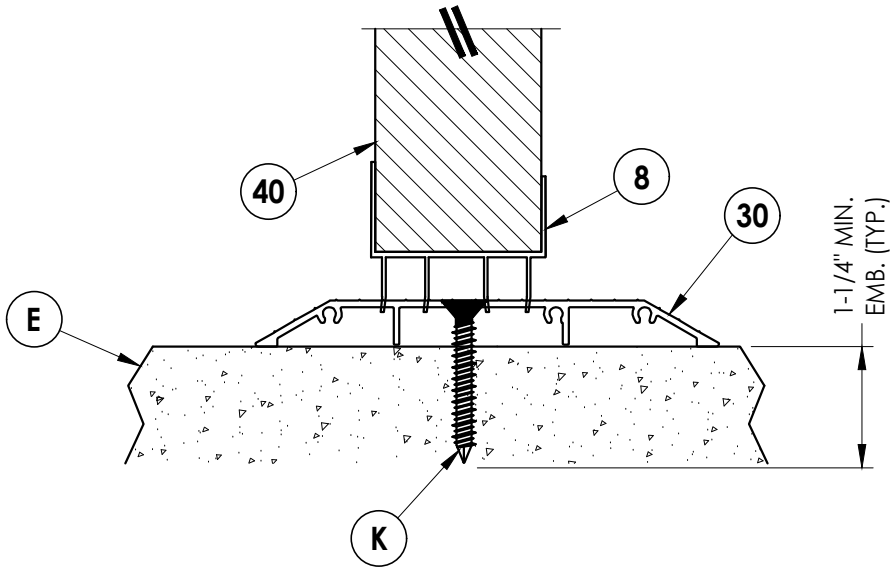


4 HORIZONTAL CROSS SECTION
Steel Stud Construction
Inswing Shown (Outswing Similar)

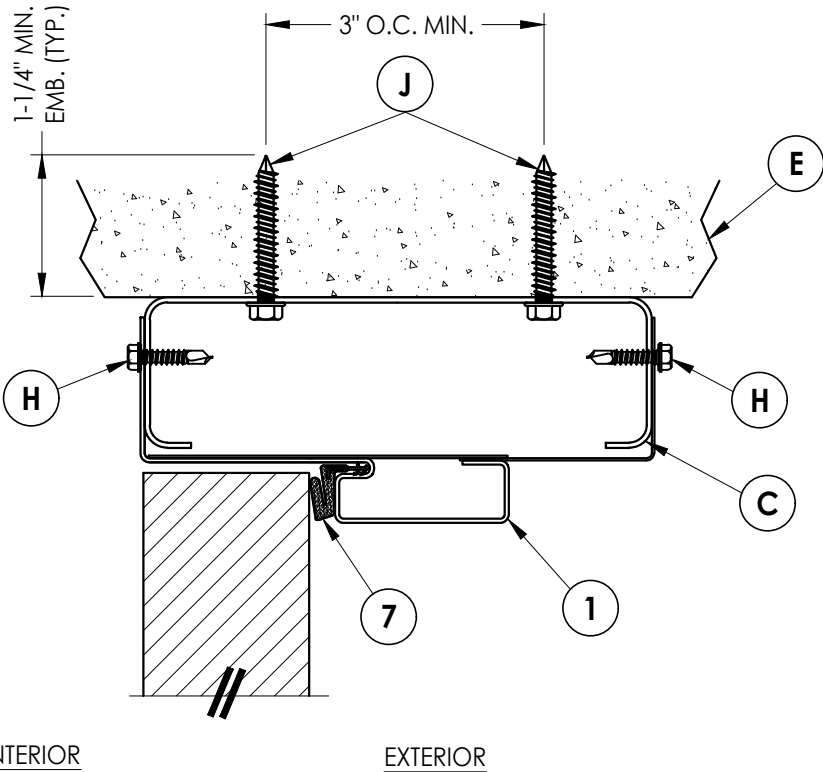
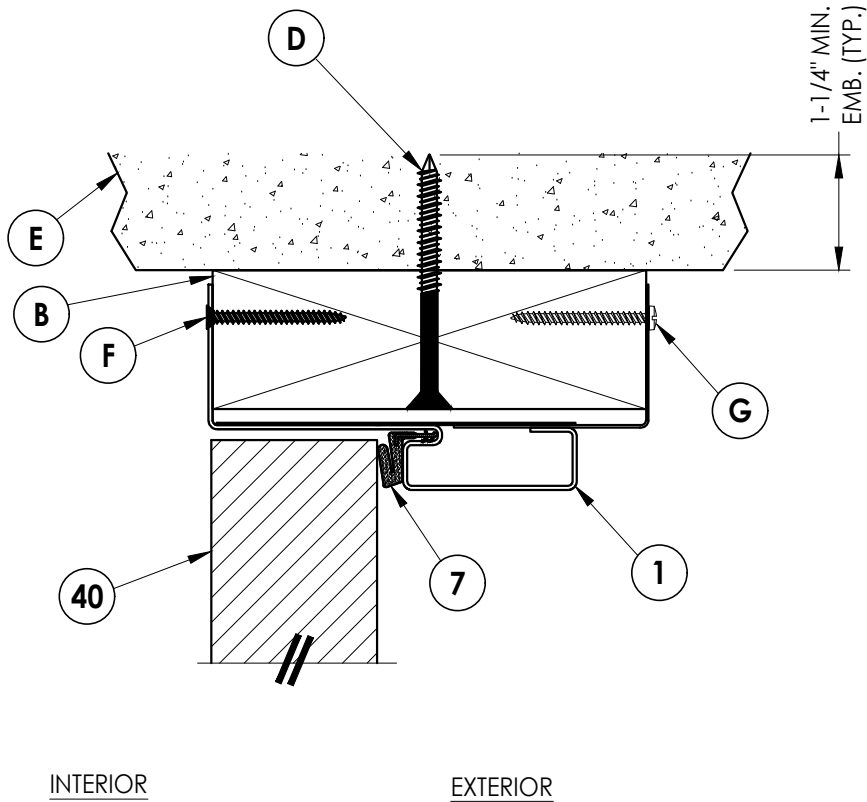
[illegible]

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

Z:\2023 FBC Drawings\Worldwide Door Components\FL-12991 R7\FL-12991.4.dwg



1
5 **VERTICAL CROSS SECTION**
Inswing Shown (Outswing Similar)



2
5 **VERTICAL CROSS SECTION**
Inswing Shown (Outswing Similar)

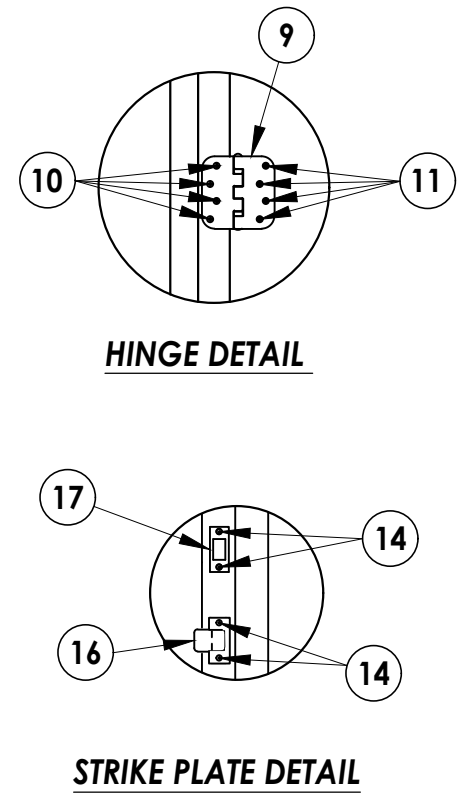
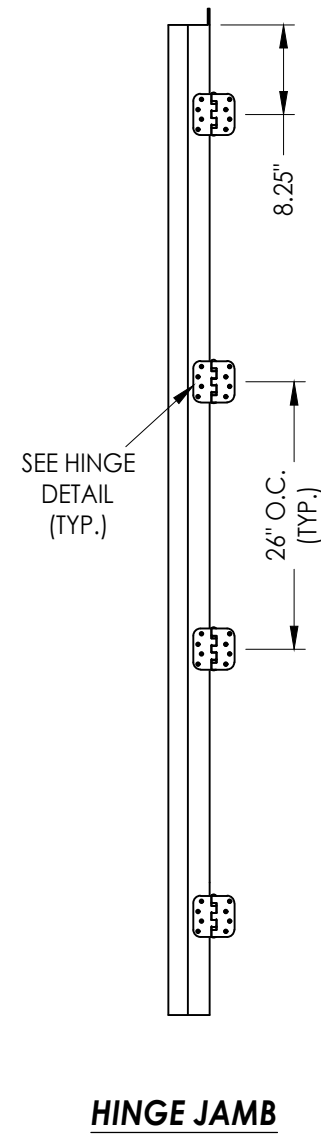
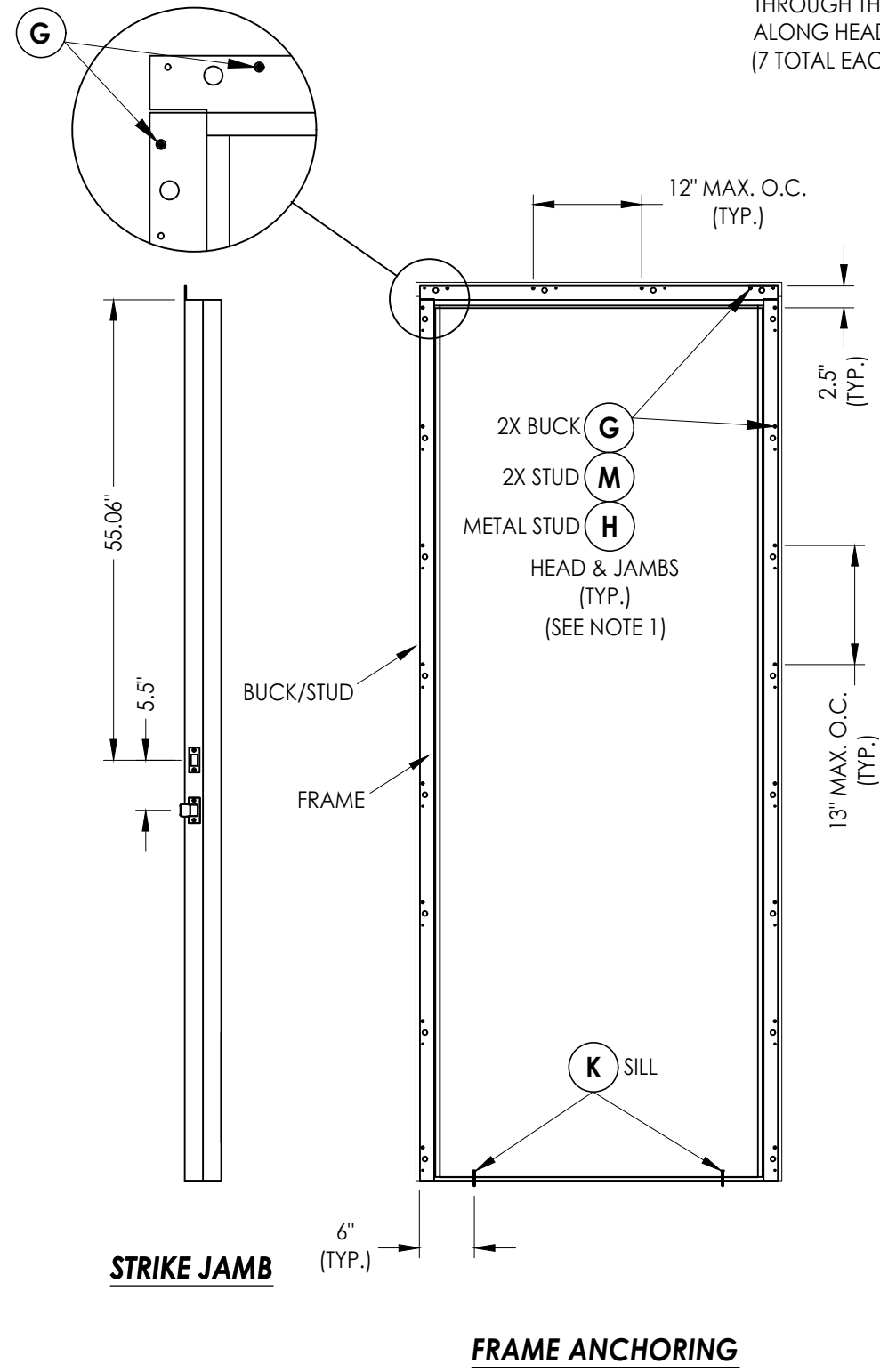
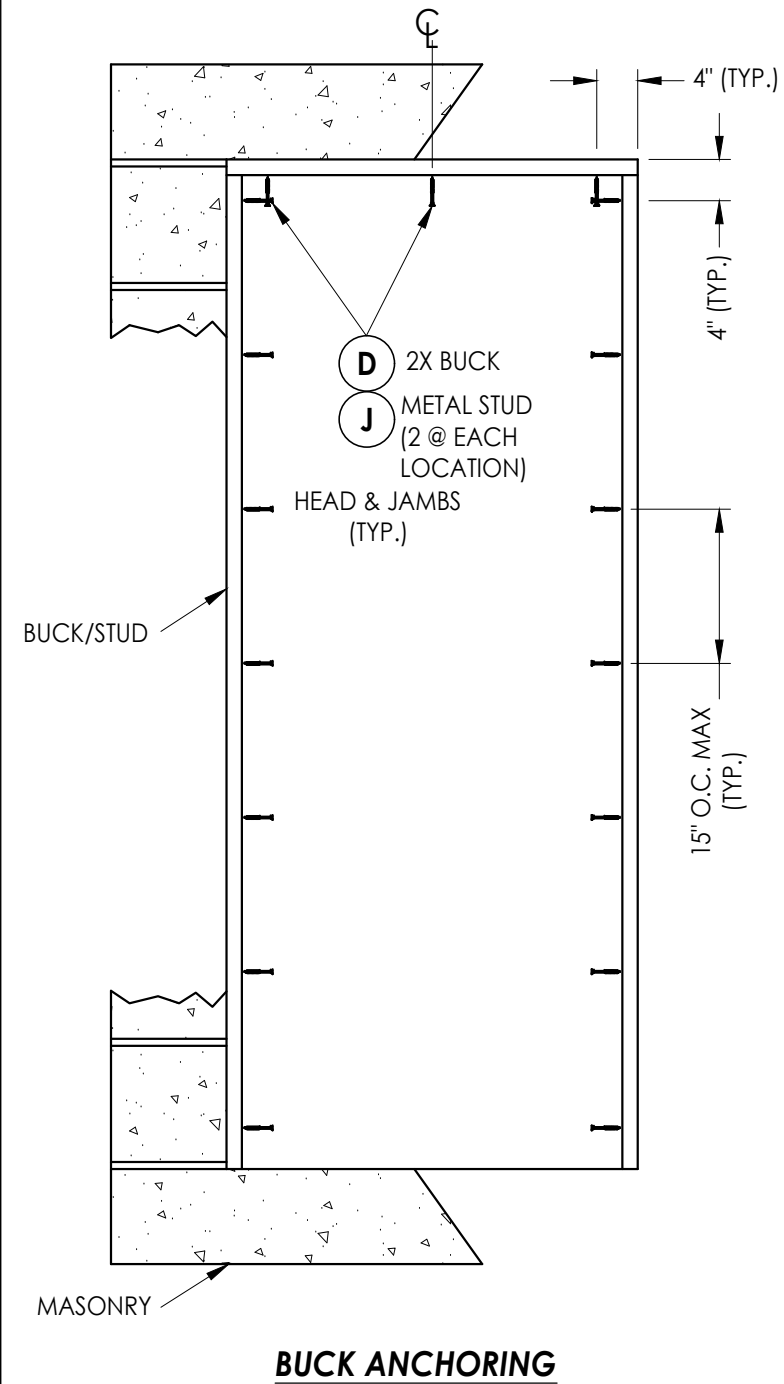
DATE: 2/07/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-12991.4
SHEET 5 OF 7

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

PRODUCT:	WORLDWIDE STEEL FRAME
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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



NOTE:

1. ITEMS **(G)**, **(M)** & **(H)** ARE LOCATED ON THE EXTERIOR FACE THROUGH THE MAIN FRAME AS SHOWN. ITEMS **(F)**, **(L)** & **(H)** (NOT SHOWN) ARE LOCATED ON THE INTERIOR FACE THROUGH THE CLOSURE FRAME AS FOLLOWS: 16" O.C. ALONG HEAD (4 TOTAL) & 16" O.C. ALONG JAMBS (7 TOTAL EACH JAMB).

[illegible]

PRODUCT: <u>WORLDWIDE STEEL FRAME</u>	PART OR ASSEMBLY: <u>BUCK & FRAME ANCHORING</u>
---	---

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

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	-

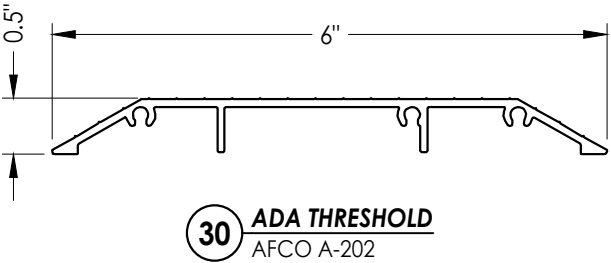
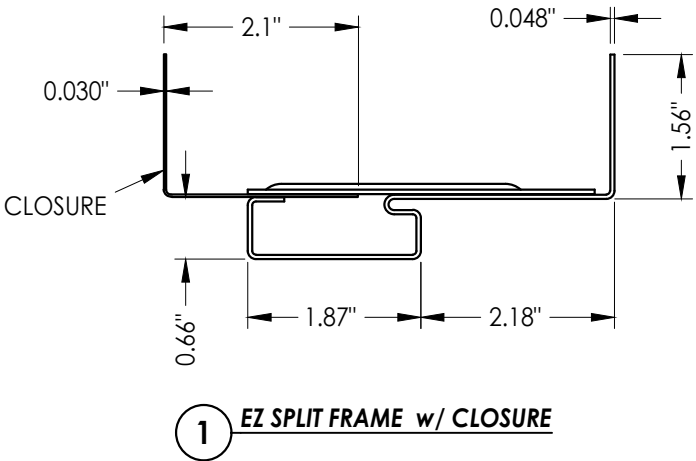
CONCRETE ANCHOR NOTES:

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]