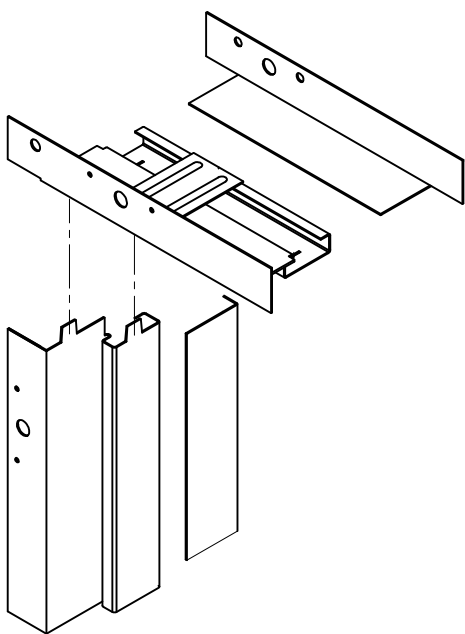


WORLDWIDE Door Components

5017 N. Coolidge
Tampa, FL 33614

EZ SPLIT ADJUSTABLE STEEL DOOR FRAME Utilizing a Steel Door Panel INSWING/OUTSWING "IMPACT"

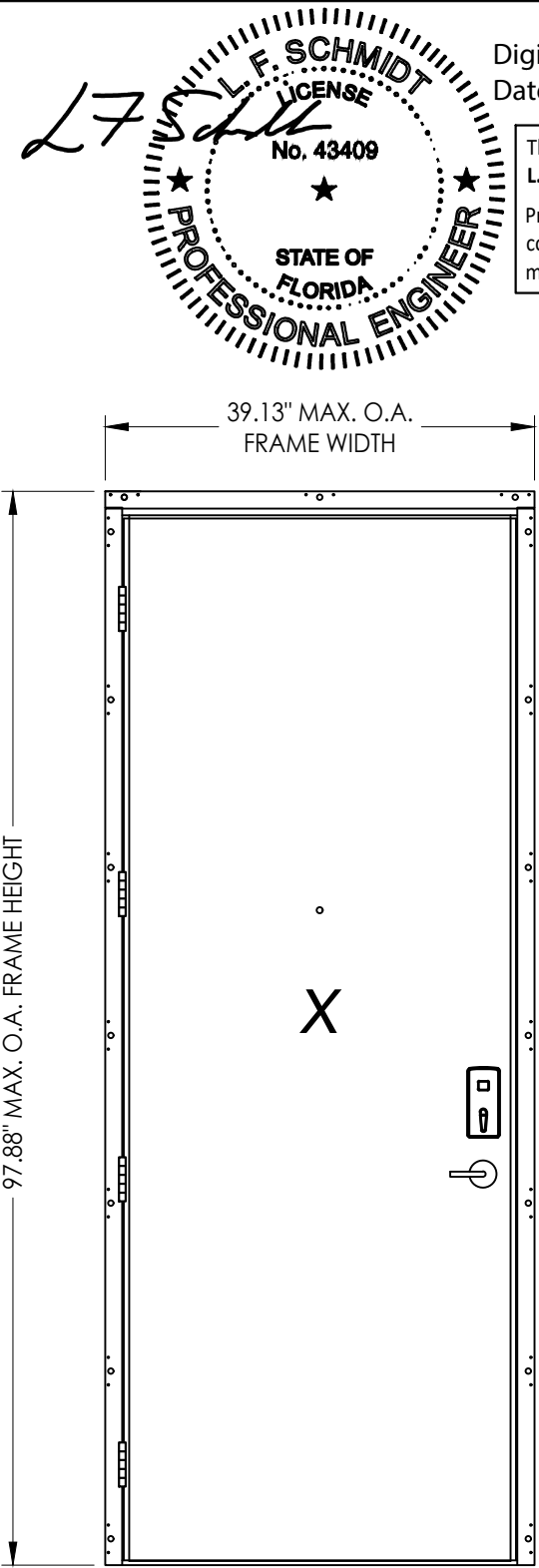


ADJUSTABLE STEEL DOOR FRAME
EZ SPLIT

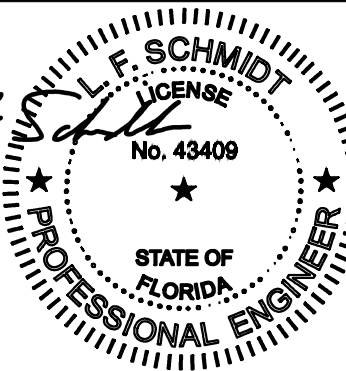
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. Outswing configurations using the high water dam threshold (Item #31) meet water infiltration requirements for "HVHZ".
7. Inswing configurations and outswing configurations using ADA sill (Item #30) do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
8. When used in the "HVHZ", steel shall be protected as specified in FBC Section 2222.6.

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) OUTSWING		DESIGN PRESSURE (PSF) INSWING/OUTSWING	
		MEETS HVHZ WATER INFILTRATION REQUIREMENTS		DOES NOT MEET HVHZ WATER INFILTRATION REQUIREMENTS	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
MASONITE	39.13" X 97.88"	+ 50.0	- 60.0	+ 60.0	- 60.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.08 11:10:06 -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:
WORLDWIDE
STEEL FRAME

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

1

8/08/23

DATE

NO.

BY

REVISIONS

DATE: 2/07/23

SCALE: N.T.S.

DWG. BY: RW

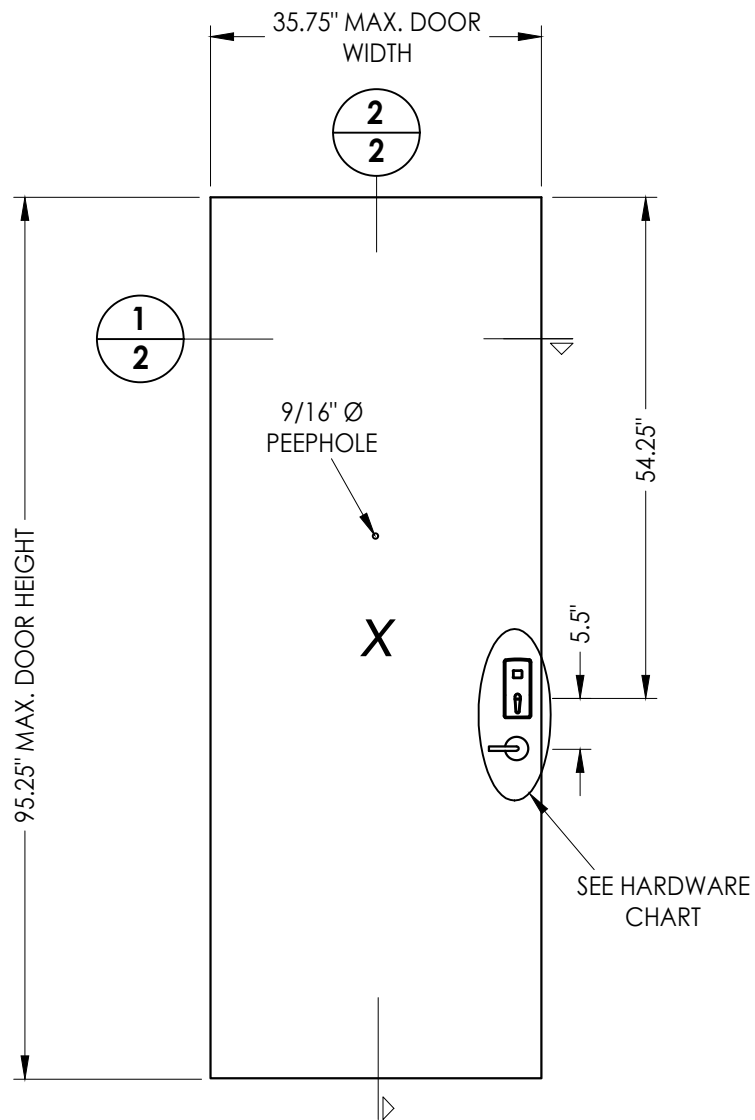
CHK. BY: LFS

DRAWING NO.: FL-12991.5

SHEET 1 OF 7

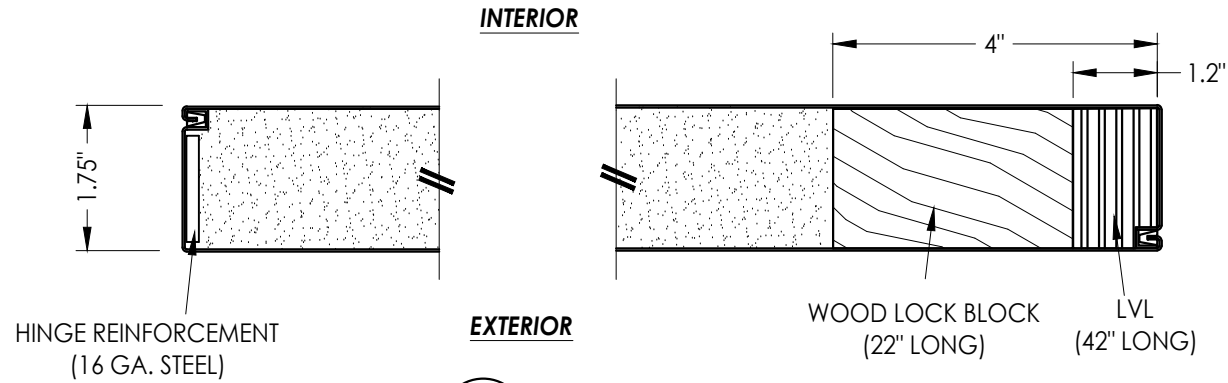
RW

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

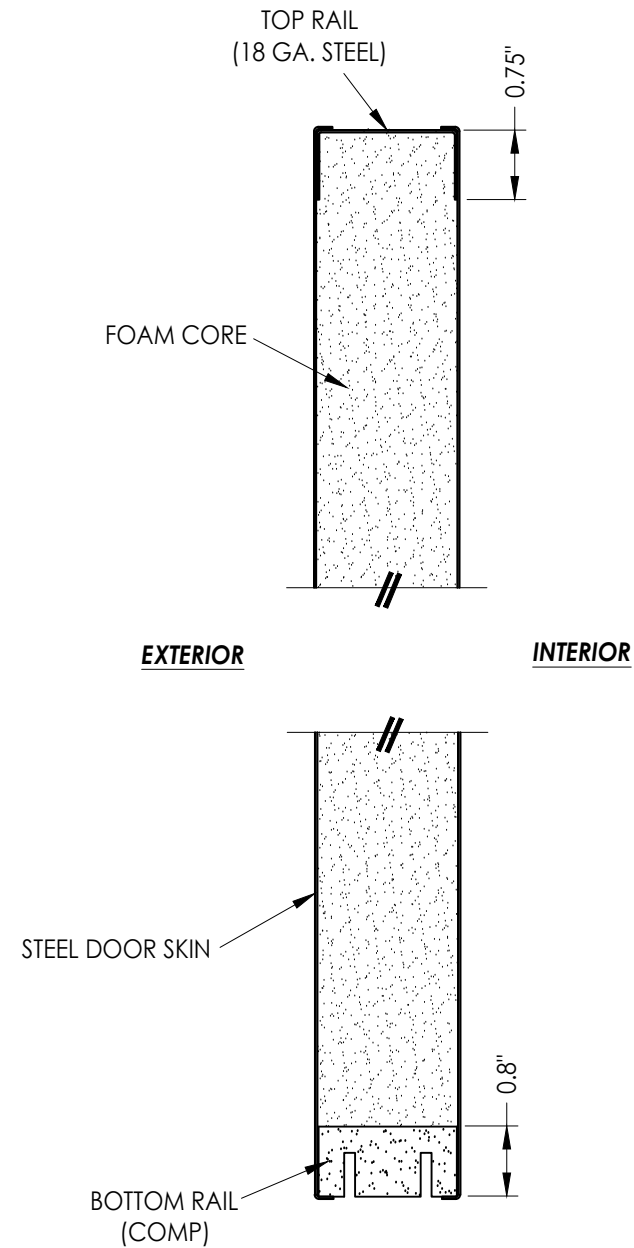


40 STEEL DOOR PANEL
Masonite 8'-0"

DOOR SKIN: 0.022" MIN. THK. GALV. STEEL (Fy=48,500 PSI MIN.)
CORE MATERIAL: POLYURETHANE CORE



1 HORIZONTAL CROSS SECTION



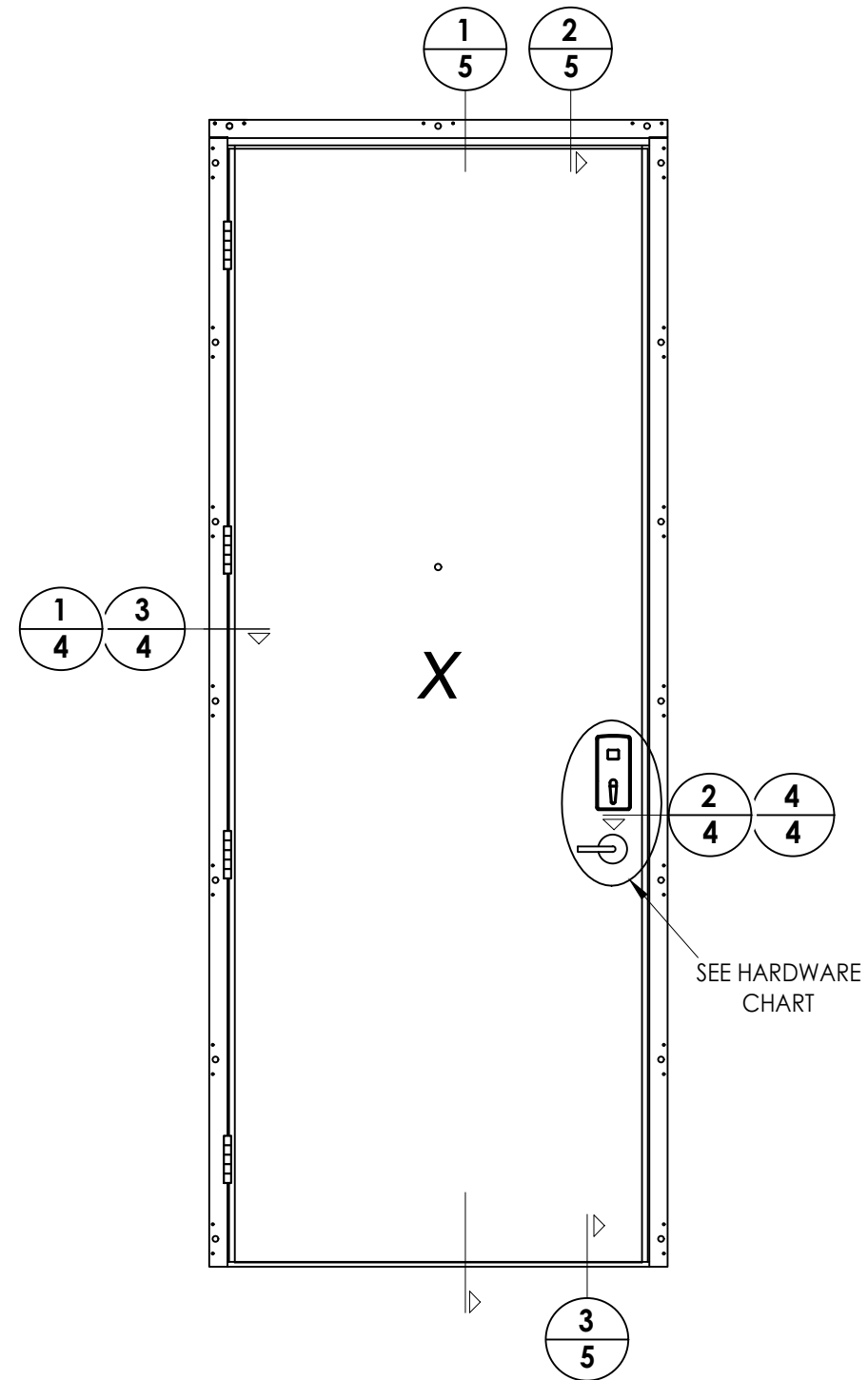
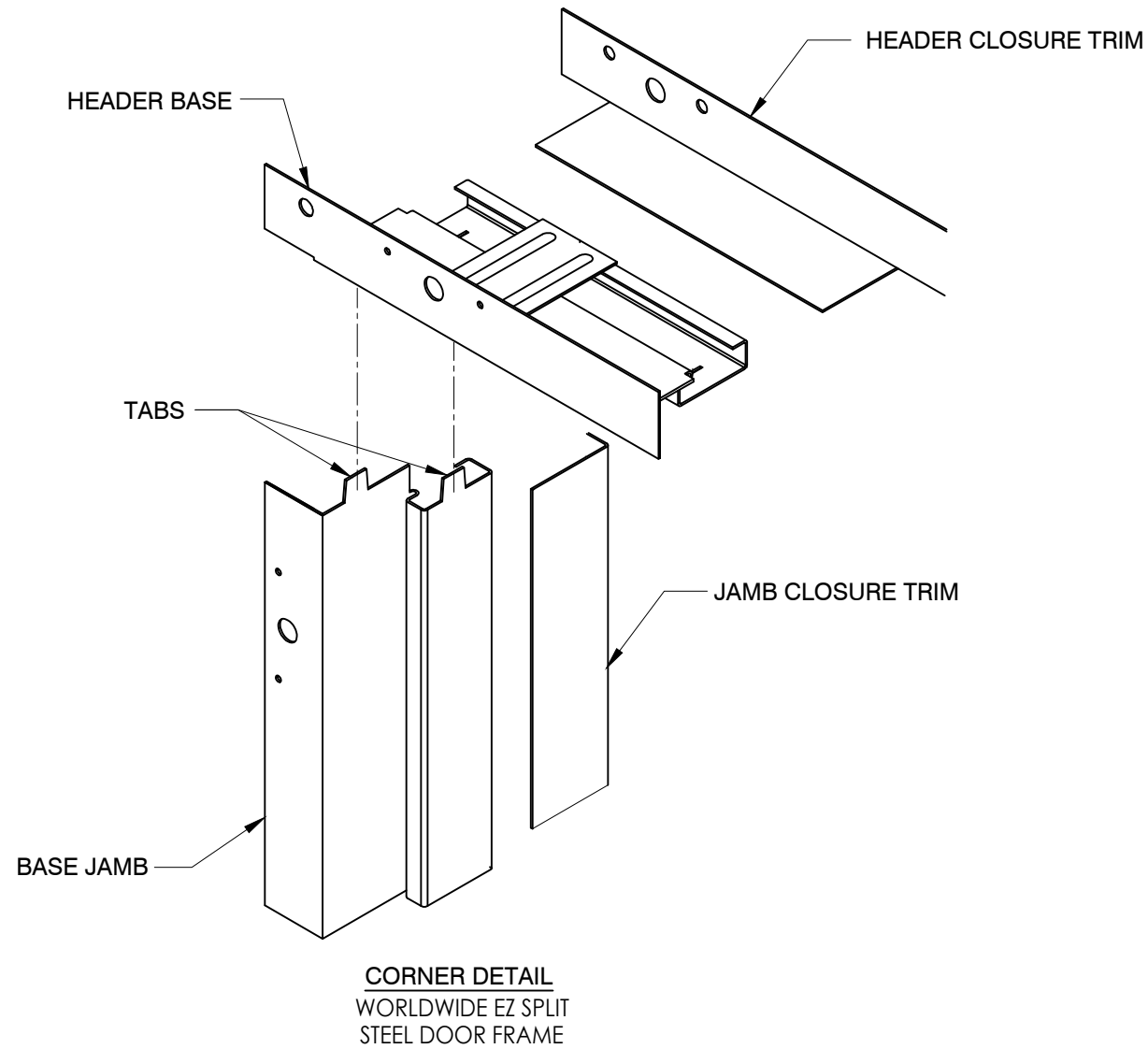
2 VERTICAL CROSS SECTION

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

DATE:	2/07/23
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-12991.5
SHEET	2 OF 7

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HARDWARE TABLE		
MANUFACTURER	MODEL	
Harney	LEVER SET:	Riley Passage
dormakaba	DEADBOLT:	Saffire LX-D

1	8/08/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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REVISIONS					

DATE: 2/07/23

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CHK. BY: LFS

DRAWING NO.:

FL-12991.5

SHEET 3 OF 7

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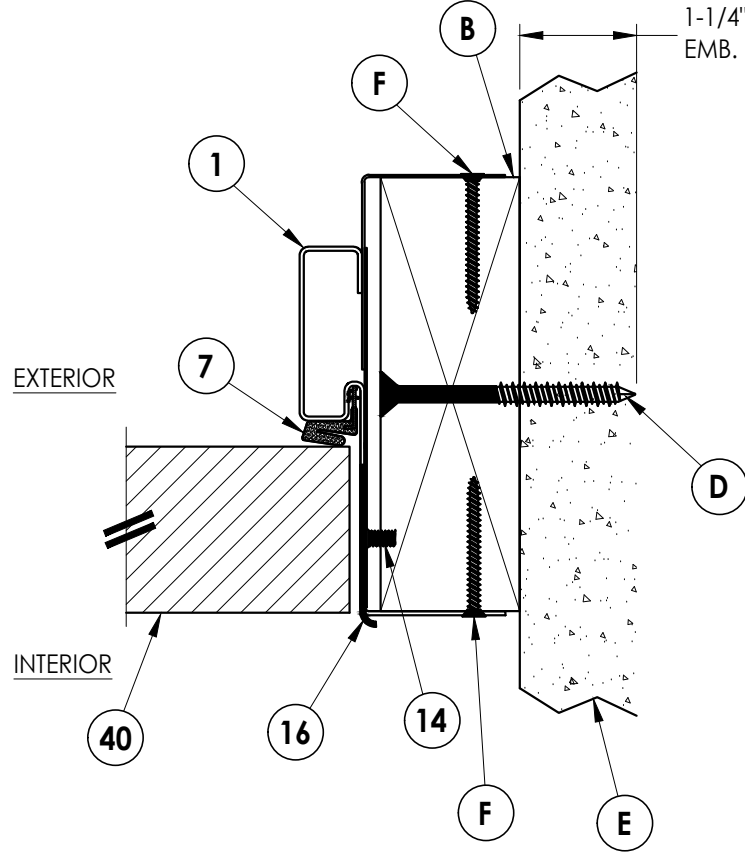
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PART OR ASSEMBLY:

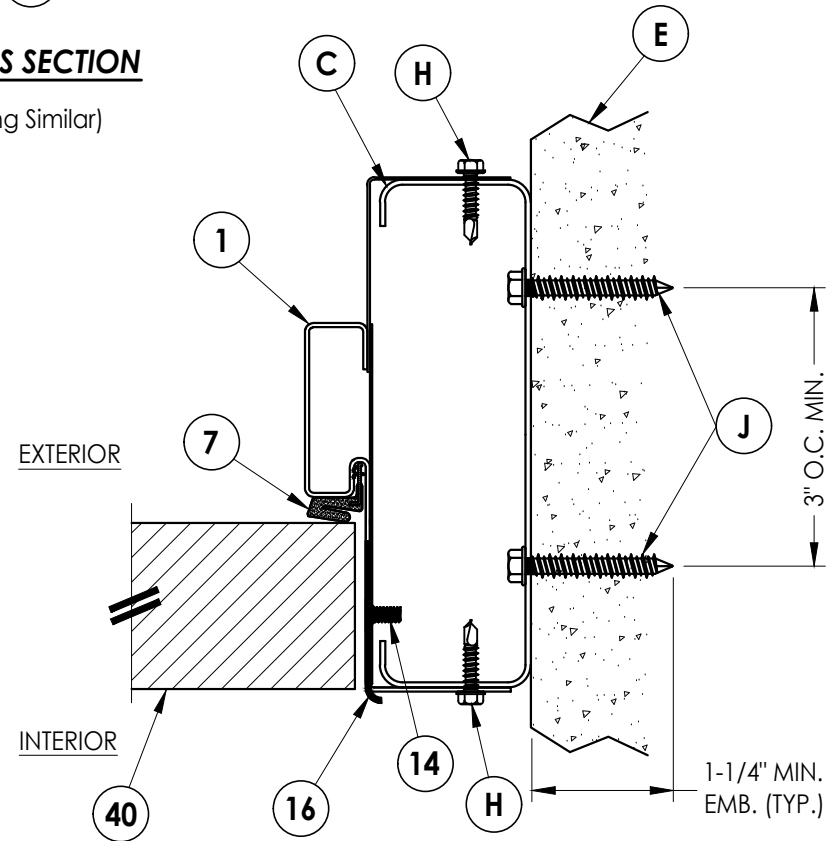
ELEVATION & CORNER DETAIL

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2 HORIZONTAL CROSS SECTION

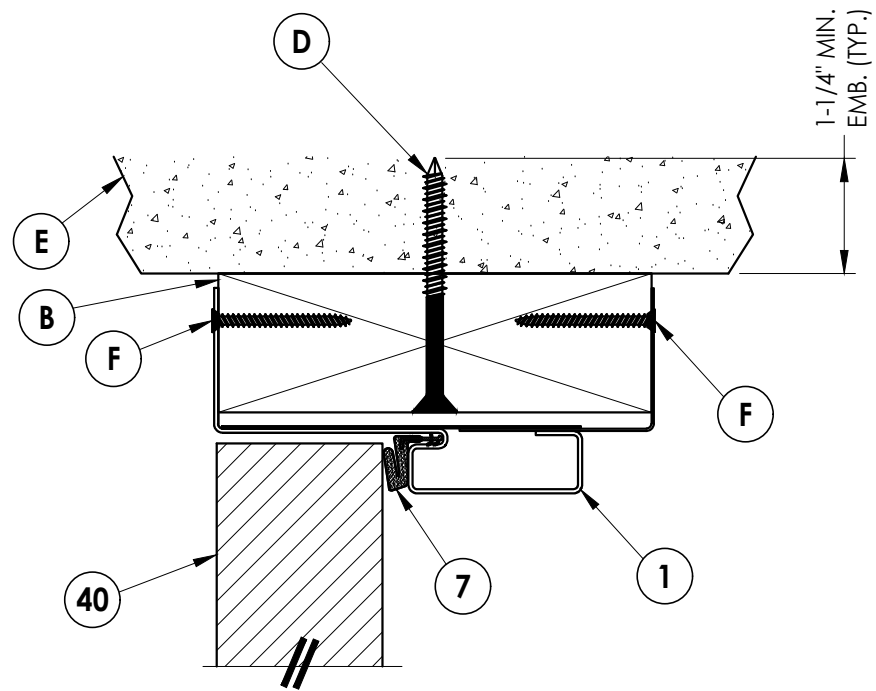
4 2X Buck Construction Inswing Shown (Outswing Similar)



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

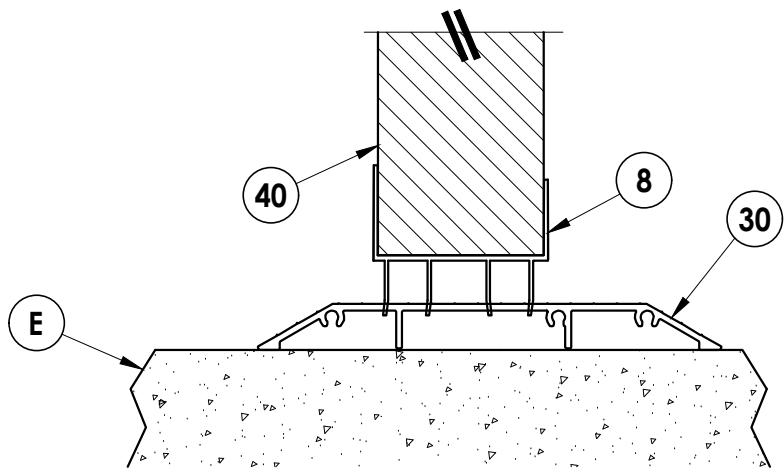
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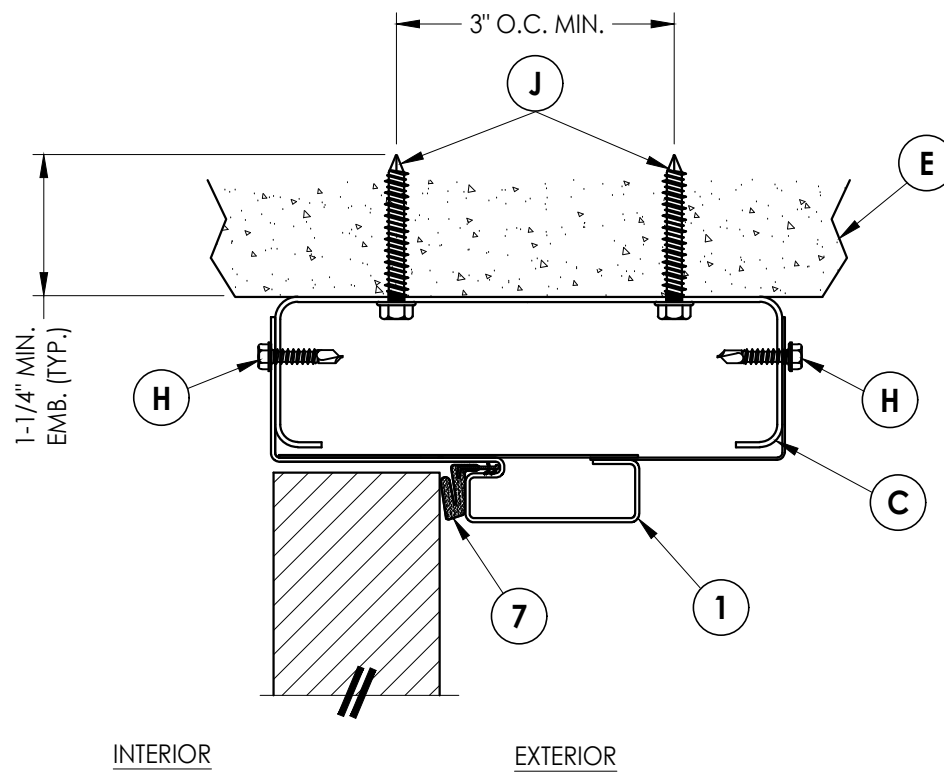
INTERIOR

EXTERIOR



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

Inswing Shown (Outswing Similar)

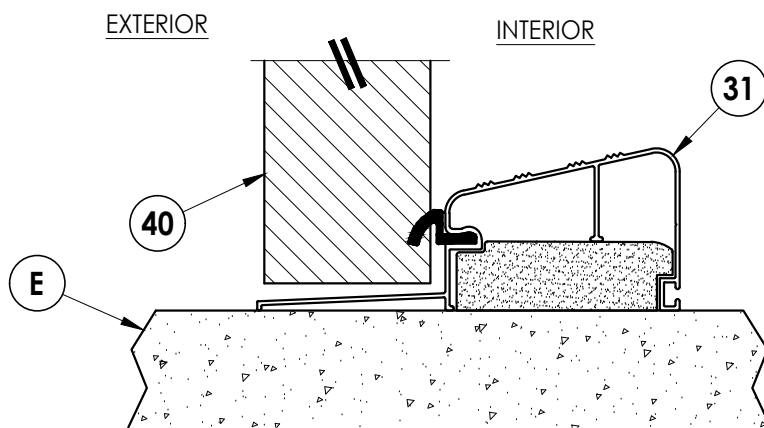


INTERIOR

EXTERIOR

2 VERTICAL CROSS SECTION
5 Inswing Shown (Outswing Similar)

Inswing Shown (Outswing Similar)



EXTERIOR

INTERIOR

3 VERTICAL CROSS SECTION
5 Outswing Shown w/ High Dam Threshold

Outswing Shown w/ High Dam T

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

DATE: 2/07/23

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:

FL-12991.5

SHEET 5 OF 7

Documents Prepared By:
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RW

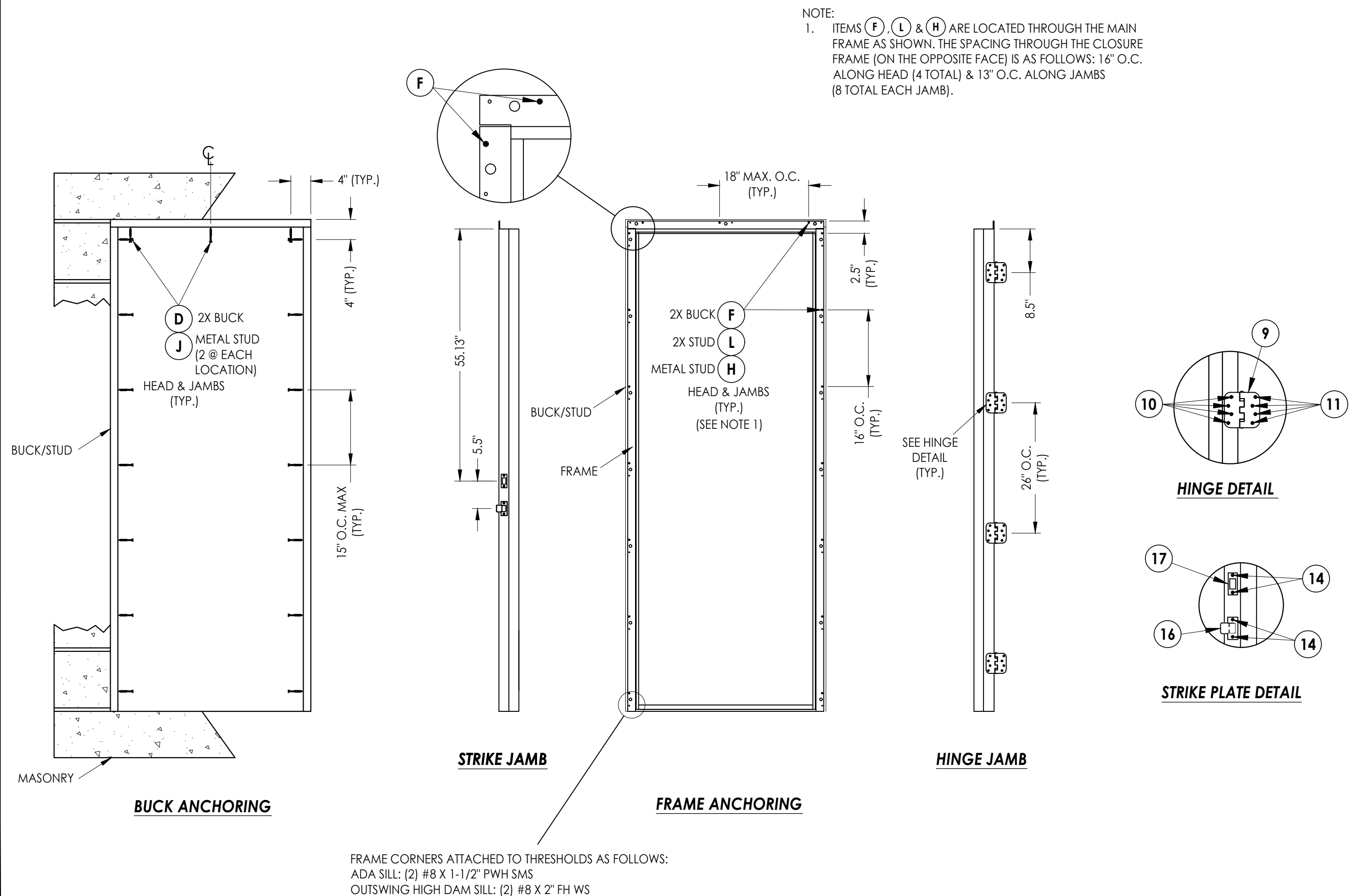
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Z:\2023 FBC Drawings\Worldwide Door Components\FL-12991 R7\FL-12991.5.dwg

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
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
L	#8 X 2" FH 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
31	OUTSWING THRESHOLD	ALUM/COMP
40	DOOR - SEE DOOR PANEL DETAILS	-

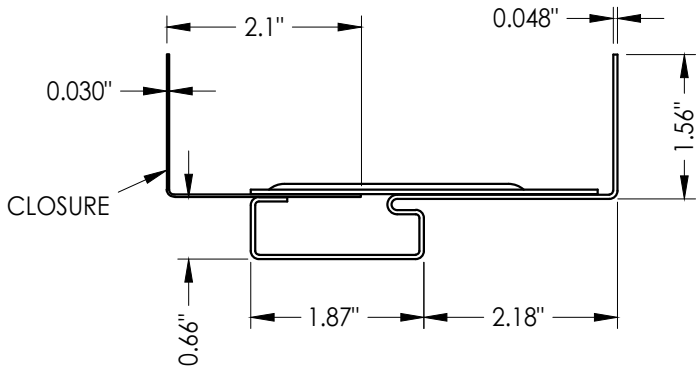
CONCRETE ANCHOR NOTES:

- 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:

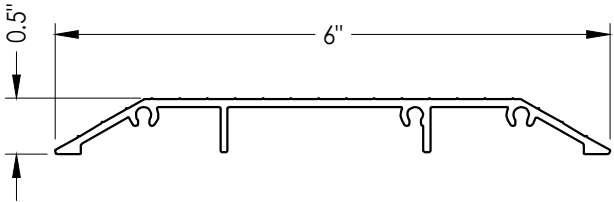
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	3"

WOOD SCREW INSTALLATION NOTES:

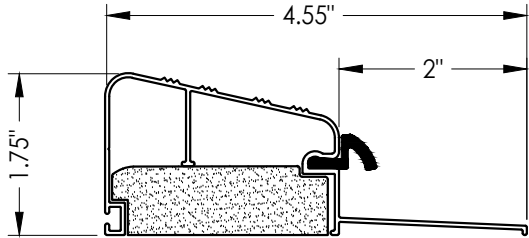
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



1 EZ SPLIT FRAME w/ CLOSURE



30 ADA THRESHOLD
AFCO A-202



31 OUTSWING THRESHOLD
DLP

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: WORLDWIDE STEEL FRAME				PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS			
					LFS		
					BY		
					REVISIONS		
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SHEET 7 OF 7							