



AFCO Millwork Products
11000 Green Valley Dr.
Olive Branch, MS 38654

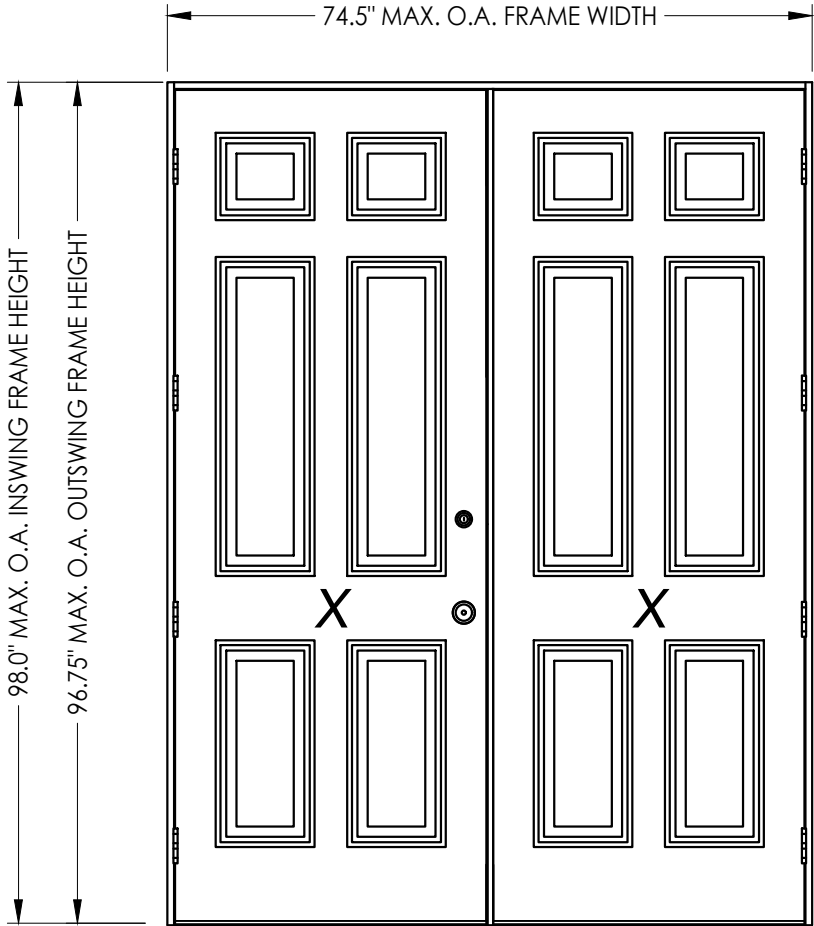
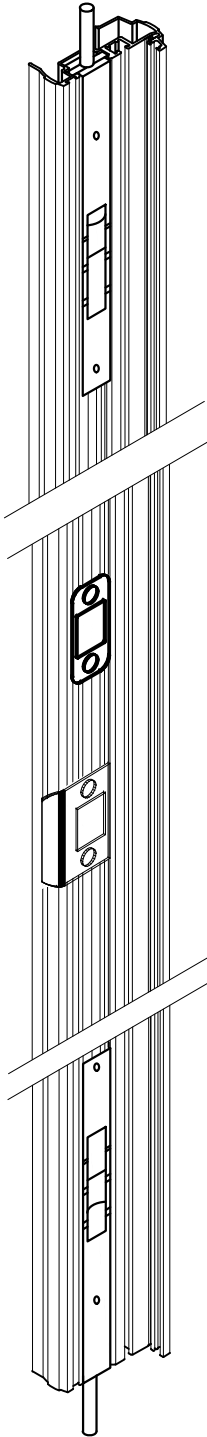
ALUMINUM "T" ASTRAGAL
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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.
4. This product has been tested in the door panels as specified in this approval. Substitution into a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the door used must possess a comparable current Florida Statewide product approval. The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the steel side hinged swing door approval being used.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

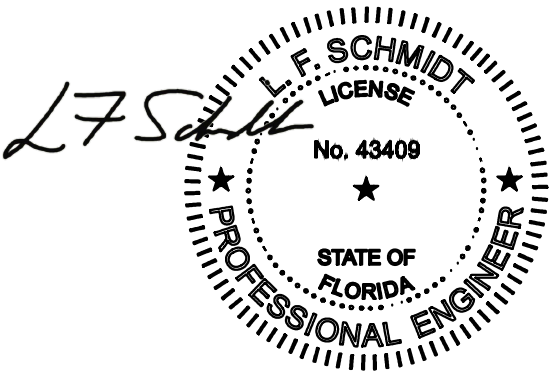
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Door panel details
3	Horizontal and vertical cross sections
4	Astragal details
5	Buck and frame anchoring
6	Bill of materials and components

ALUMINUM "T" ASTRAGAL



DOUBLE DOOR ELEVATION

ALUMINUM "T" ASTRAGAL by AFCO					
DOOR PANEL	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
THERMA-TRU STEEL	74.5" X 98.0"	+35.0	-40.0	+35.0	-35.0
PLASTPRO FIBERGLASS	74.5" X 98.0"	+45.0	-50.0	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2026.09.21 13:34:35 -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

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

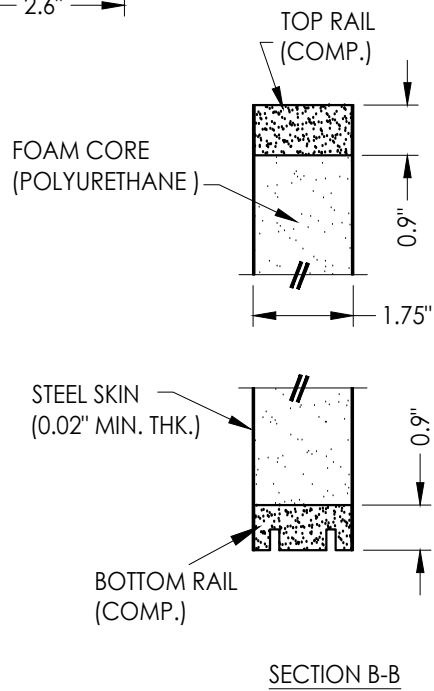
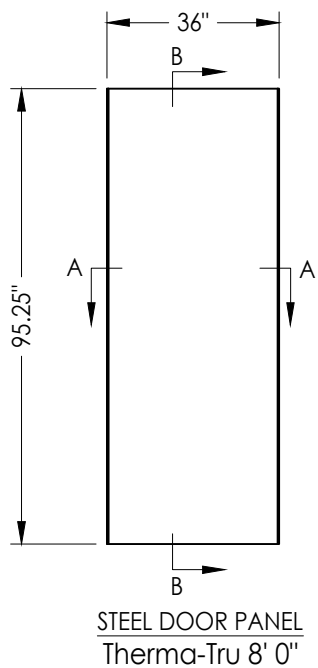
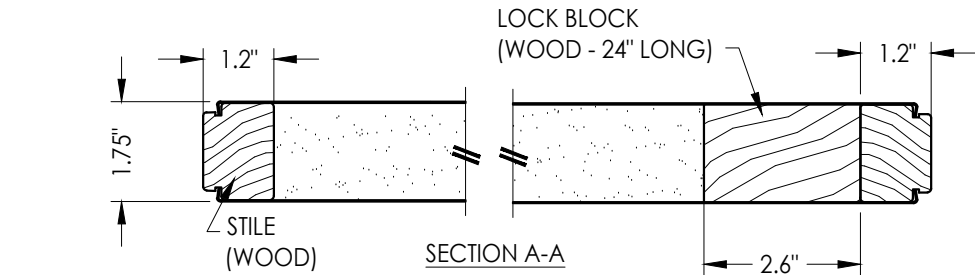
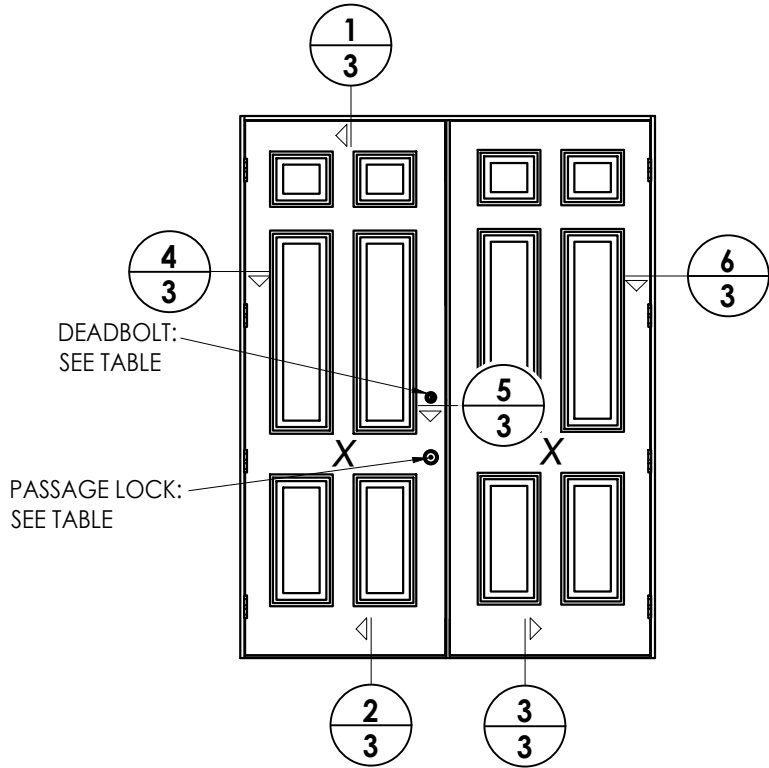
PRODUCT:
ALUMINUM "T" ASTRAGAL

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

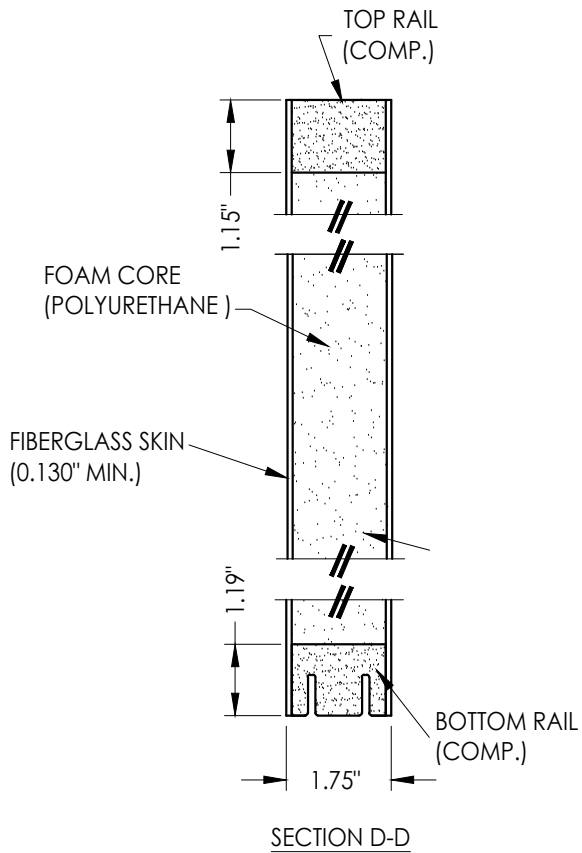
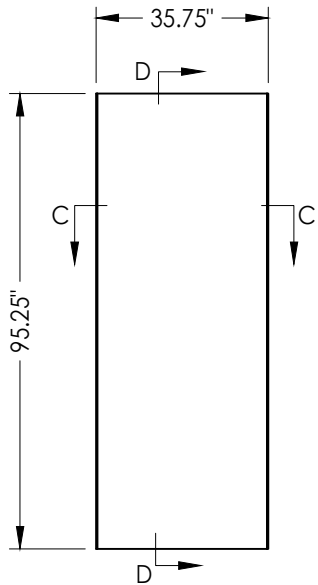
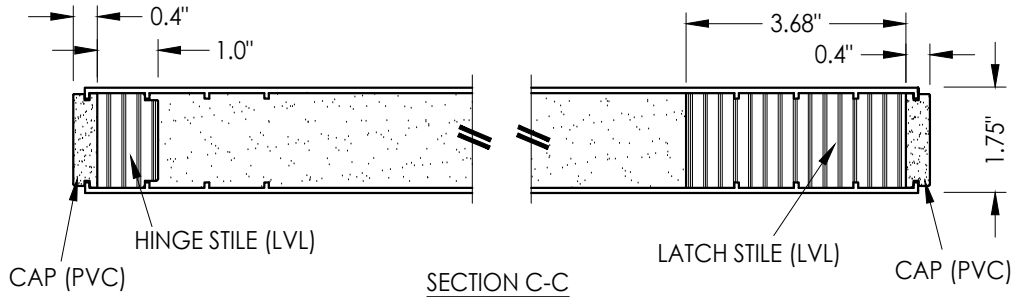
NO.	DATE	REVISIONS
5	9/21/26	UPDATE TO 9TH ED. (2026) FBC
4	6/26/24	ADD FLAT ASTRAGAL PROFILE
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC
2	6/10/21	REVISE NEGATIVE D.P. SIGNAGE
1	9/03/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 12/15/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-13727.2
SHEET 1 OF 6

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HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: "F" SERIES (F10) DEADBOLT: "B" SERIES (B60/62)



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PRODUCT: ALUMINUM "T" ASTRAGAL
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	REVISIONS	
		LFS	BY
5	9/21/26	UPDATE TO 9TH ED. (2026) FBC	
4	6/26/24	ADD FLAT ASTRAGAL PROFILE	
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC	
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DATE: 12/15/17

SCALE: N.T.S.

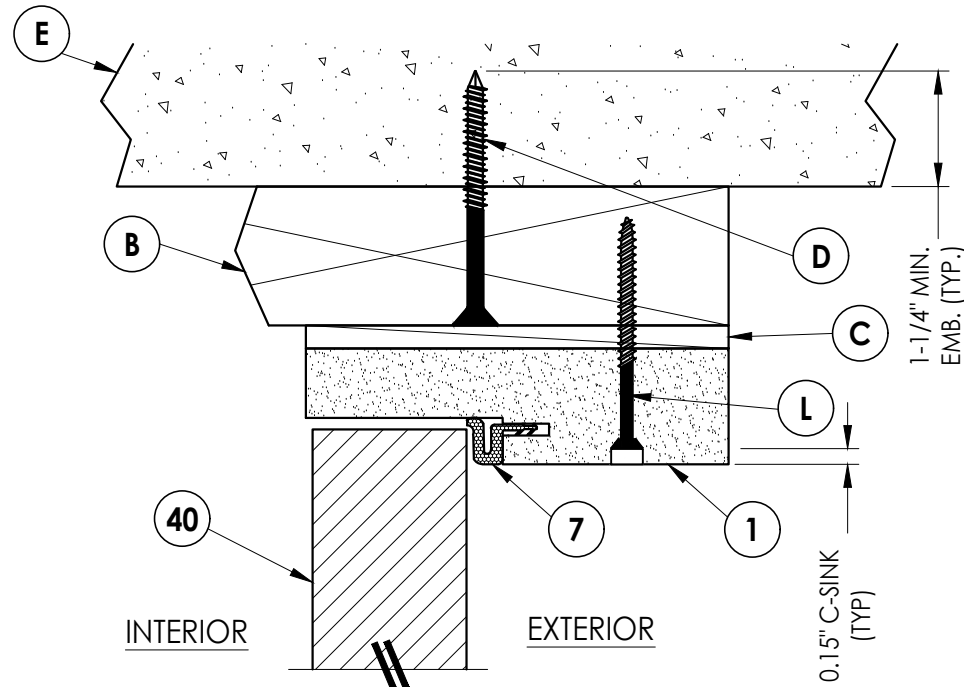
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CHK. BY: LFS

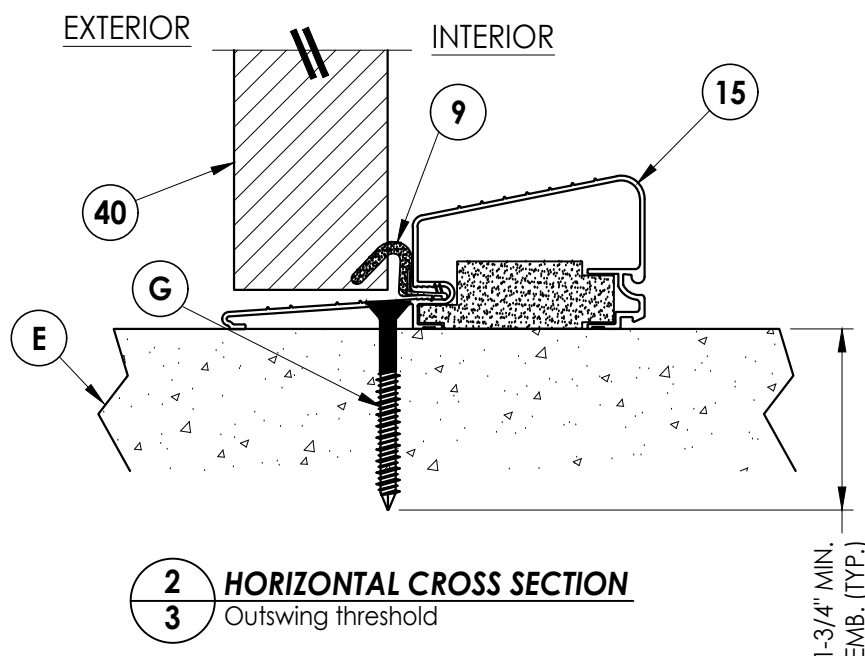
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SHEET 2 OF 6

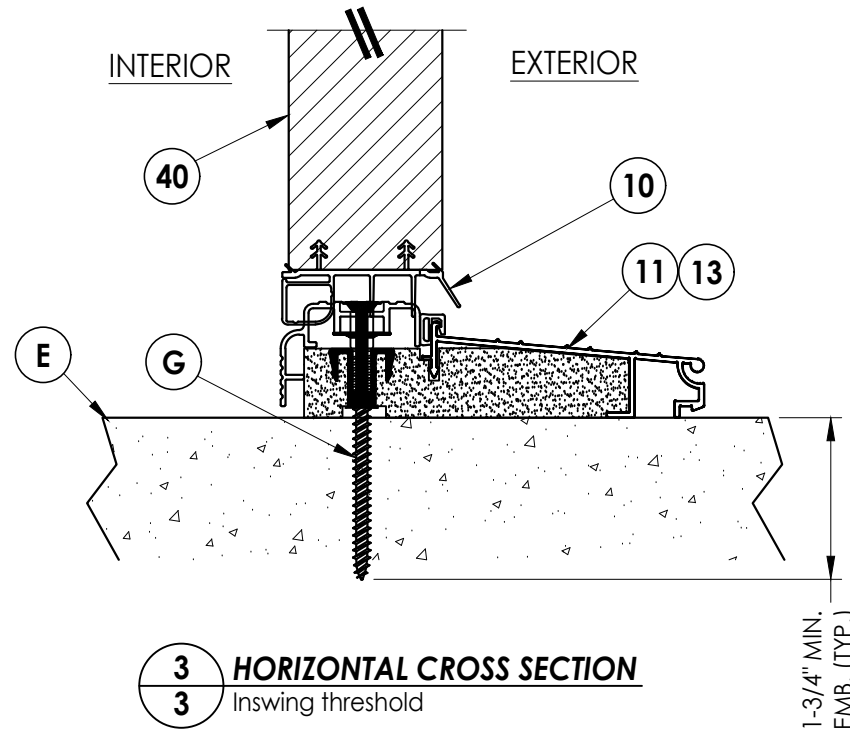
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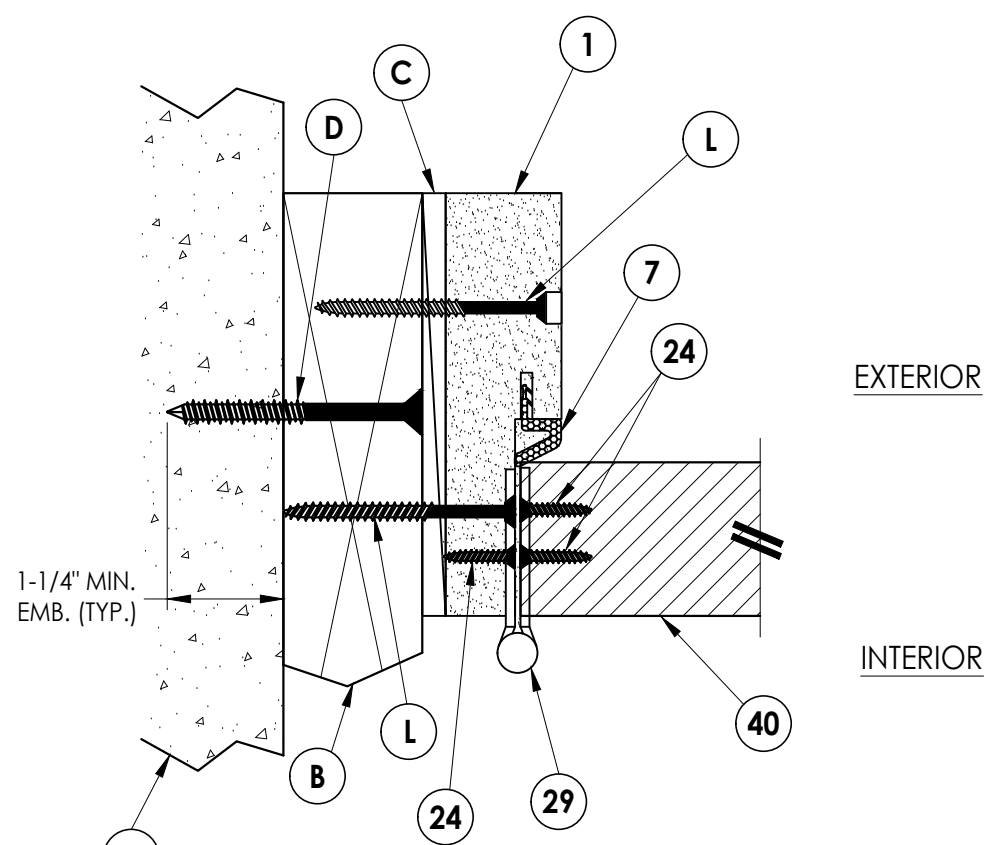
1 **VERTICAL CROSS SECTION**
3 Inswing shown
Outswing also approved



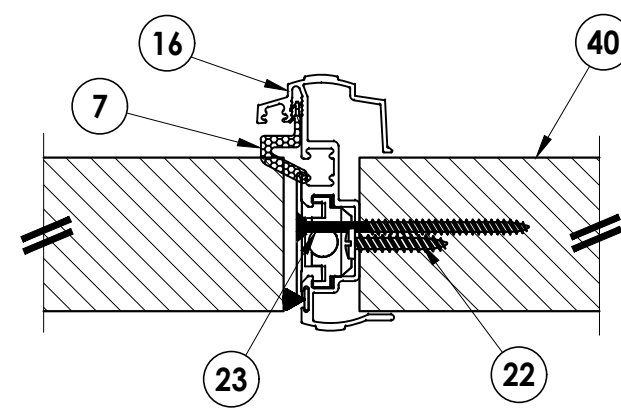
2 **HORIZONTAL CROSS SECTION**
3 Outswing threshold



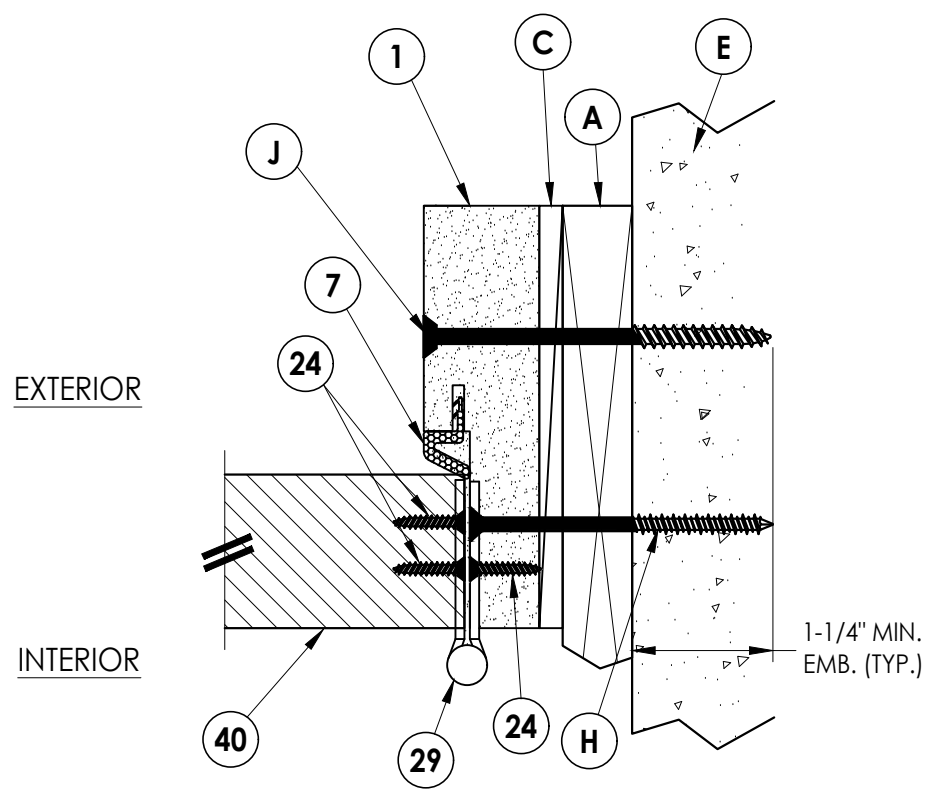
3 **HORIZONTAL CROSS SECTION**
3 Inswing threshold



4 **HORIZONTAL CROSS SECTION**
3 Inswing shown
Outswing also approved



5 **HORIZONTAL CROSS SECTION**
3 Inswing shown
Outswing also approved



6 **HORIZONTAL CROSS SECTION**
3 Shown w/1X sub-buck

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PRODUCT:		ALUMINUM "T" ASTRAGAL		PART OR ASSEMBLY:	
DATE:		12/15/17		HORIZONTAL AND VERTICAL CROSS SECTIONS	
SCALE:		N.T.S.		REVISEMENTS	
DWG. BY:		JK		NO.	
CHK. BY:		LFS		DATE	
DRAWING NO.:		FL-13727.2		BY	
SHEET		3		OF	
		6			

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Lyndon F. Schmidt

P.E. No. 43409

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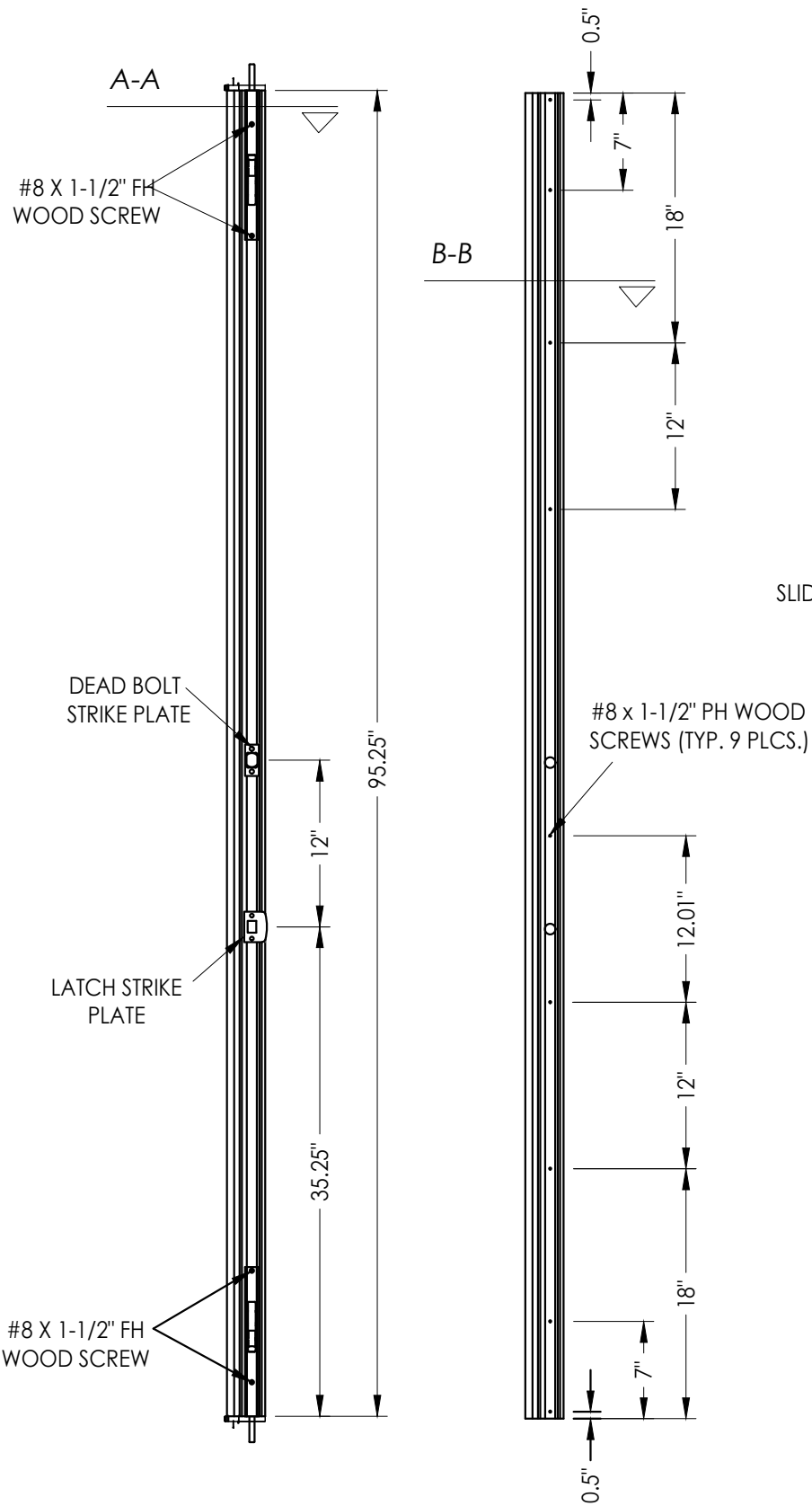
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P.O. Box 230, Valrico, FL 33595

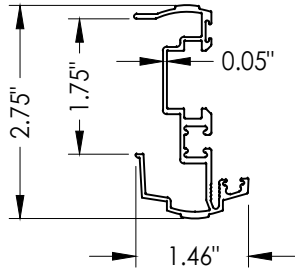
Phone No.: 813.659.9197

FBPE Registry No. 9813

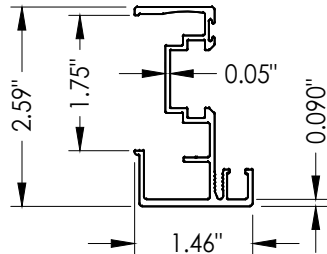
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16 HURRICANE "T" ASTRAGAL by AFco
Aluminum

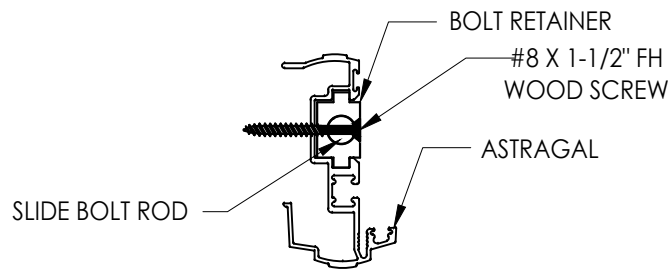


"T" ASTRAGAL PROFILE

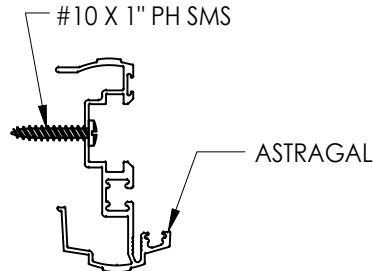


"T" ASTRAGAL FLAT PROFILE

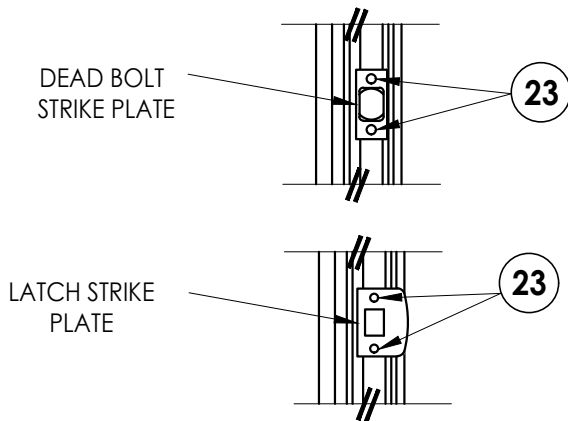
16 ALUMINUM "T" ASTRAGAL by AFco



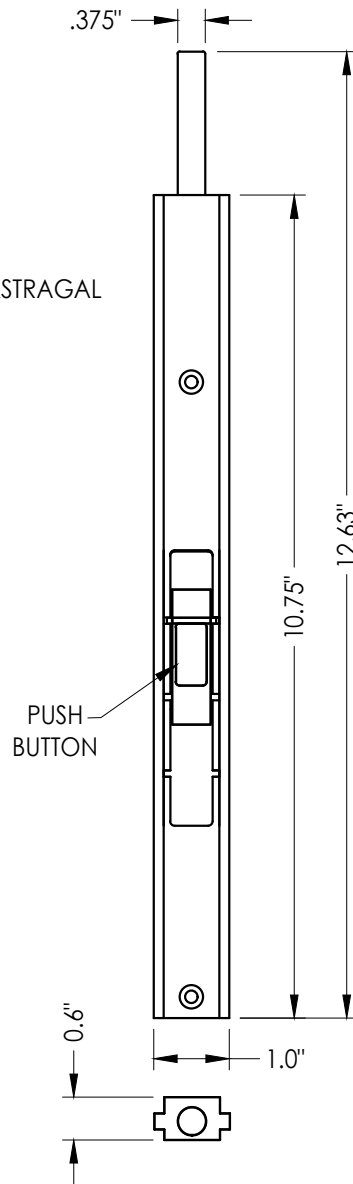
SECTION A-A
Astragal Assembly



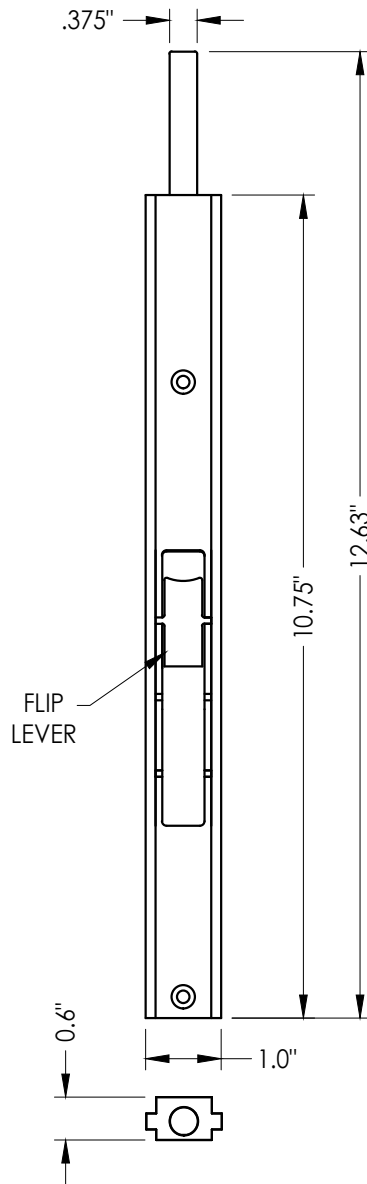
SECTION B-B
Astragal Assembly



LATCH & DEAD BOLT DETAIL



SLIDE BOLT ASSEMBLY
(w/ Push Button)
Aluminum



SLIDE BOLT ASSEMBLY
(w/ Flip Lever)
Aluminum

NO.	DATE	REVISIONS
5	9/21/26	UPDATE TO 9TH ED. (2026) FBC
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1	9/03/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 12/15/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-13727.2

SHEET 4 OF 6

PRODUCT:

ALUMINUM "T" ASTRAGAL

PART OR ASSEMBLY:

ASTRAGAL DETAILS

Documents Prepared By:

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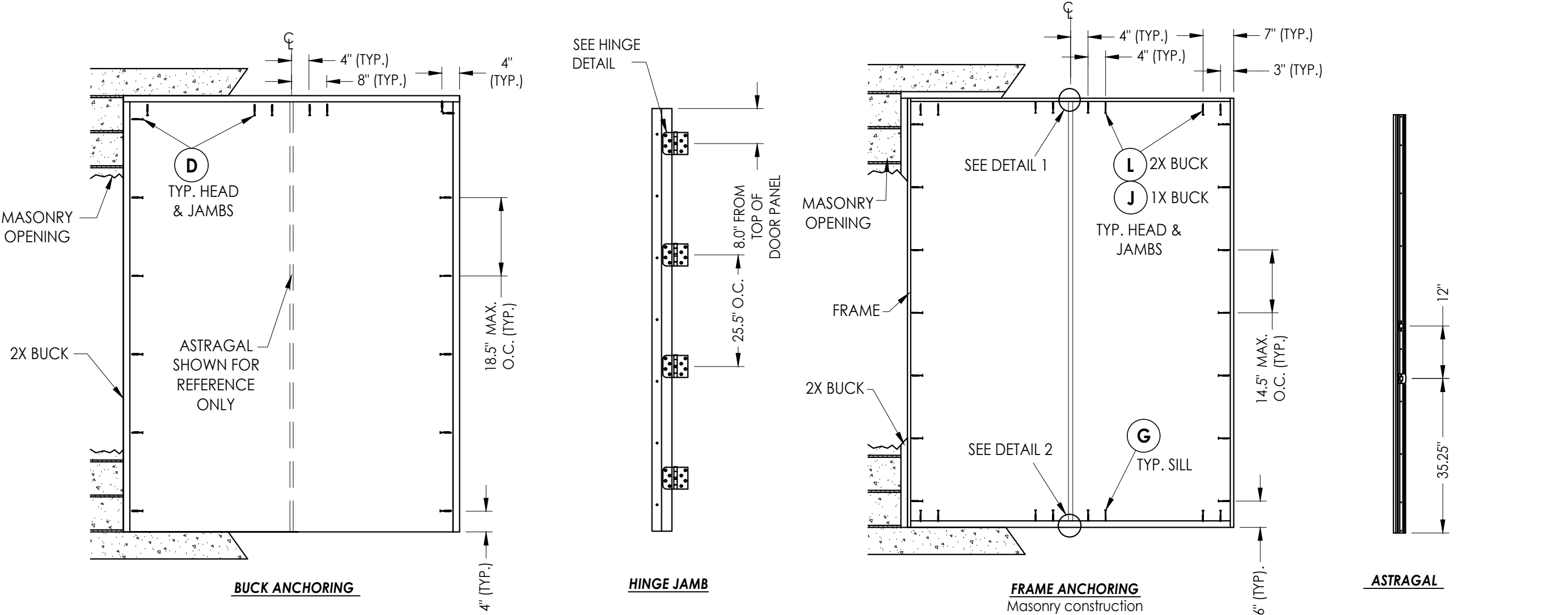
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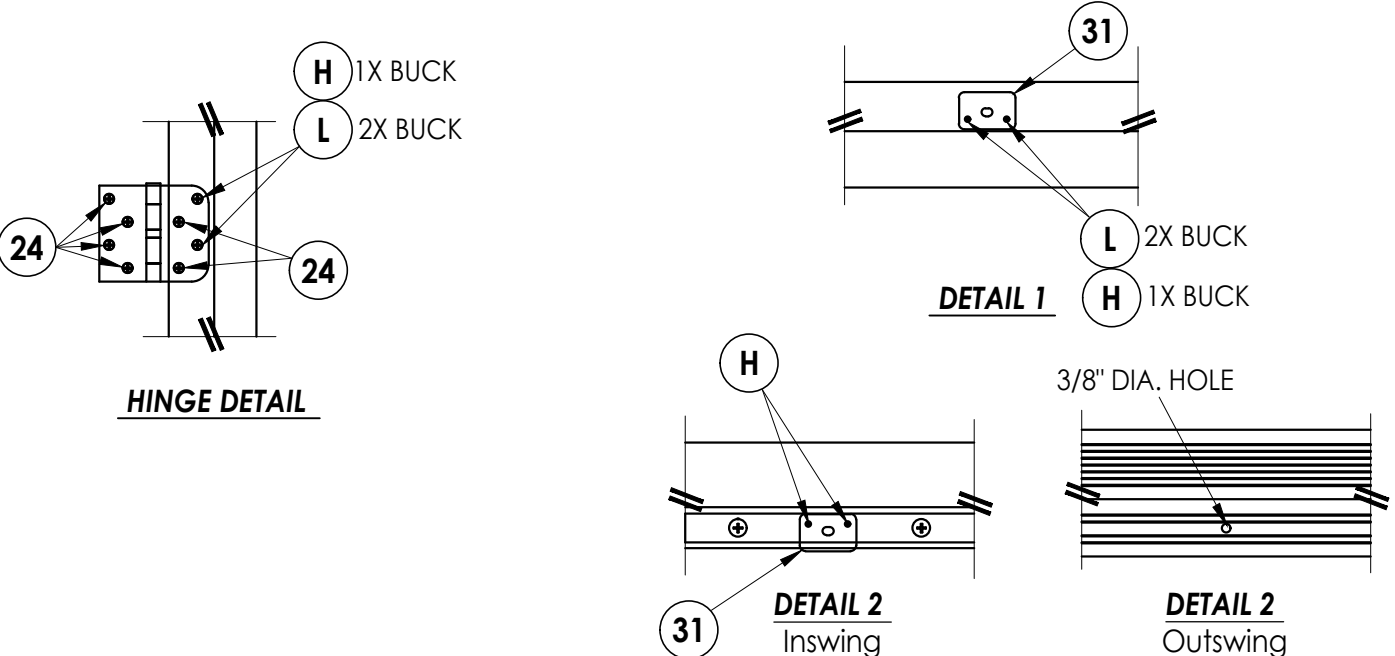


CORROSION RESISTANCE - SALTWATER ENVIRONMENT
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

- 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"

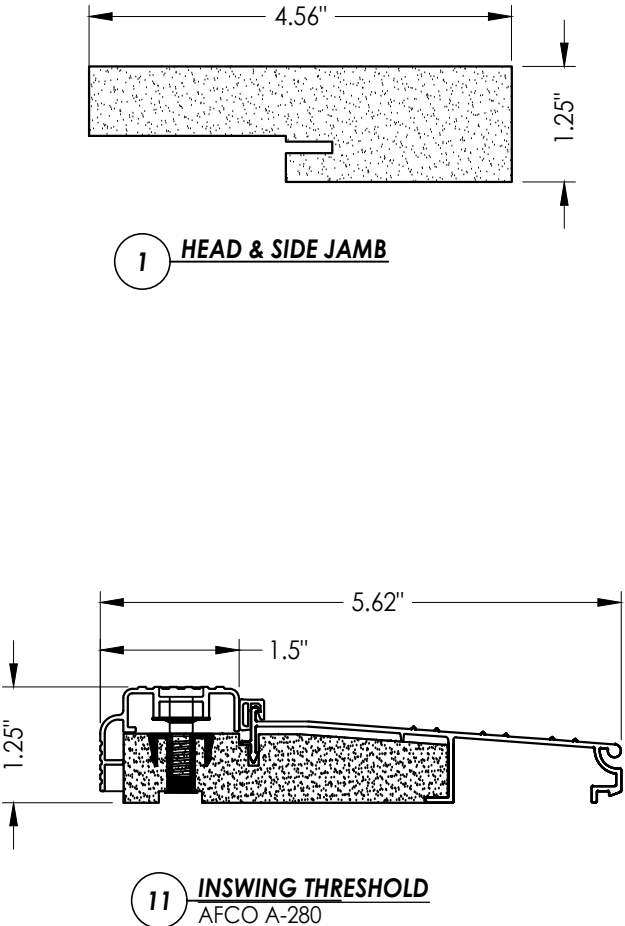
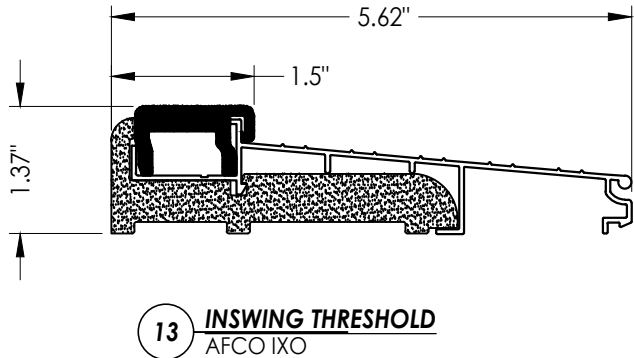
- WOOD SCREW INSTALLATION NOTES:**
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



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PRODUCT: ALUMINUM "T" ASTRAGAL		PART OR ASSEMBLY: BUCK & FRAME ANCHORING	
LFS	UPDATE TO 9TH ED. (2026) FBC	LFS	REVISIONS
LFS	ADD FLAT ASTRAGAL PROFILE	LFS	
LFS	UPDATE TO 8TH ED. (2023) FBC	LFS	
LFS	REVISE NEGATIVE D.P. SIGNAGE	LFS	
LFS	UPDATE TO 7TH ED. (2020) FBC	LFS	
NO.	DATE	BY	
5	9/21/26		
4	6/26/24		
3	8/09/23		
2	6/10/21		
1	9/03/20		
DATE: 12/15/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-13727.2			
SHEET 5 OF 6			

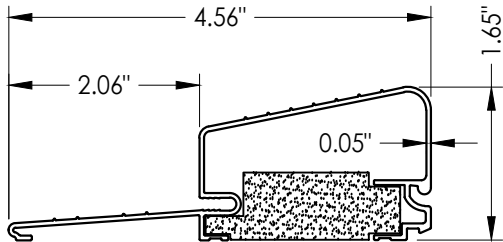
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/16" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	1/4" PFH DeWALT OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
H	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	HEAD AND JAMB	POLY FIBER
7	WEATHER STRIP QEBD650 Q-LON	FOAM
10	DOOR BOTTOM SWEEP	PVC
11	INSWING THRESHOLD	ALUM/COMP
12	DEAD BOLT STRIKE PLATE	STEEL
13	INSWING THRESHOLD	ALUM/COMP
14	LATCH STRIKE PLATE	STEEL
15	OUTSWING THRESHOLD	ALUM/COMP
16	ASTRAGAL BY AFCO	ALUM.
22	#10 X 1" PH SMS	STEEL
23	#8 X 2-1/2" PFH WS	STEEL
24	#10 X 1" PFH SMS	STEEL
29	4" X 4" HINGE	STEEL
31	ASTRAGAL STRIKE PLATE	STEEL
40	PLASTPRO DOOR PANEL (FIBERGLASS)	-



1 HEAD & SIDE JAMB

11 INSWING THRESHOLD
AFCO A-280



15 OUTSWING THRESHOLD
AFCO H-497

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PRODUCT: ALUMINUM "T" ASTRAGAL				PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS			
5	9/21/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	REVISIONS		
4	6/26/24	ADD FLAT ASTRAGAL PROFILE	FBC	LFS			
3	8/09/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
2	6/10/21	REVISE NEGATIVE D.P. SIGNAGE	FBC	LFS			
1	9/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
NO.		DATE					
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SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-13727.2							
SHEET 6 OF 6							