

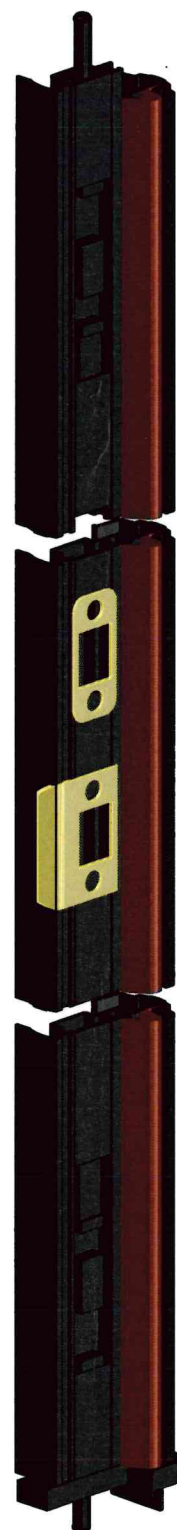
AFCO Millwork Products
11000 Green Valley Dr.
Olive Branch, MS 38654

**T-200 ALUMINUM "T" ASTRAGAL
INSWING / OUTSWING
"NON-IMPACT"**

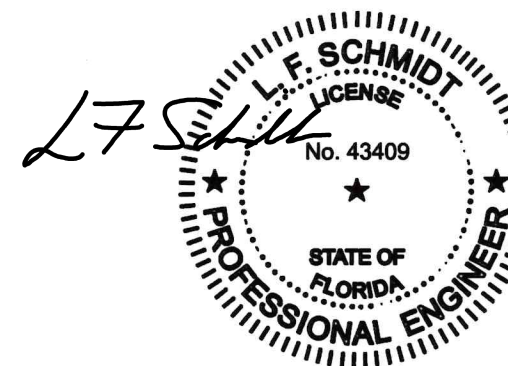
GENERAL NOTES

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 ALUMINUM 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. This product has been tested and is approved for use in the door panels as specified in this approval. Substitution into a similar product that possess a comparable current Florida Statewide product approval may be approved for use by the local Authority Having Jurisdiction.
6. 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 section
4	Astragal details
5	Buck and frame anchoring
6	Bill of materials and components



ALUMINUM "T" ASTRAGAL

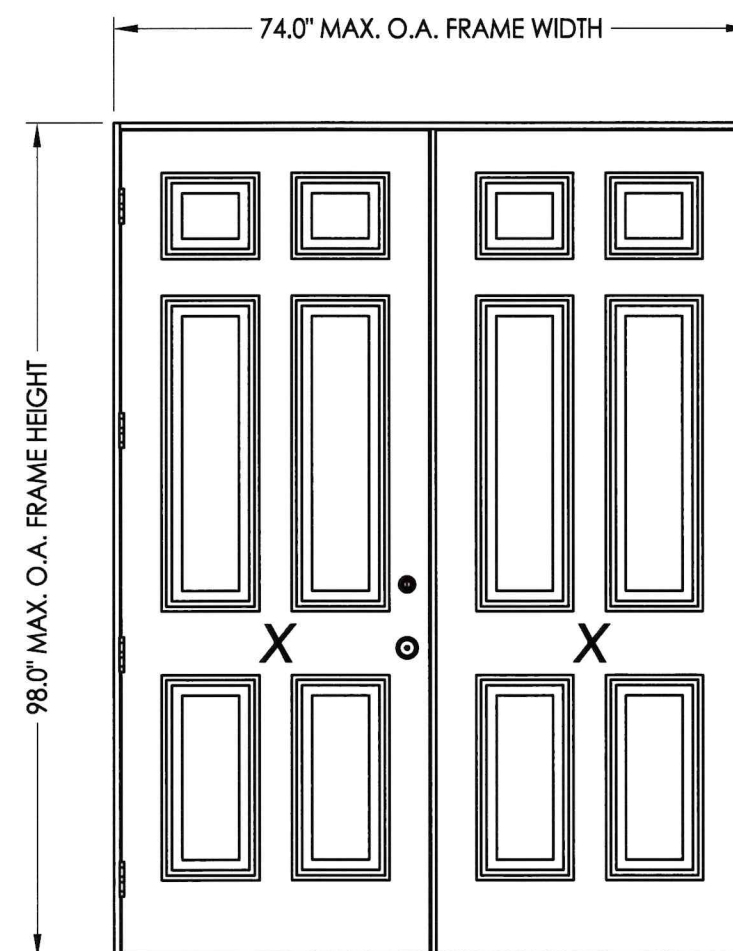


Digitally signed by Lyndon F Schmidt
Date: 2024.07.17 16:35:11 -04'00'

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**



DOUBLE DOOR ELEVATION

T-200 ALUMINUM "T" ASTRAGAL by AFCO					
MAXIMUM FRAME SIZE		DESIGN PRESSURE RATING (PSF)			
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
JELD-WEN (STEEL)	74.0" X 98.0"	+25.0	-30.0	+25.0	-25.0
PLASTPRO (FIBERGLASS)	74.0" X 98.0"	+25.0	-30.0	+25.0	-25.0

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

PARSONS BUILDING CONSULTANTS, INC.

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

[illegible]

DATE: 8/23/16

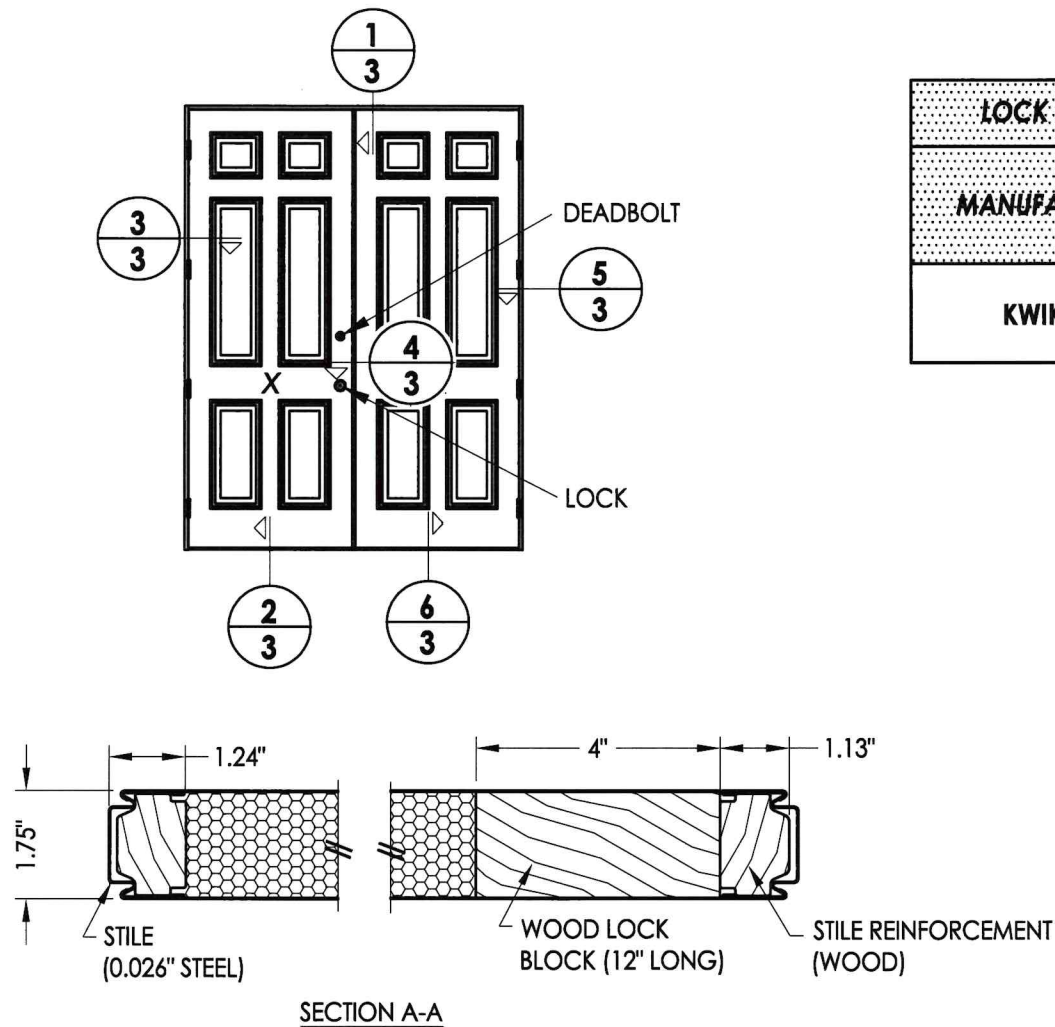
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DWG. BY: JK

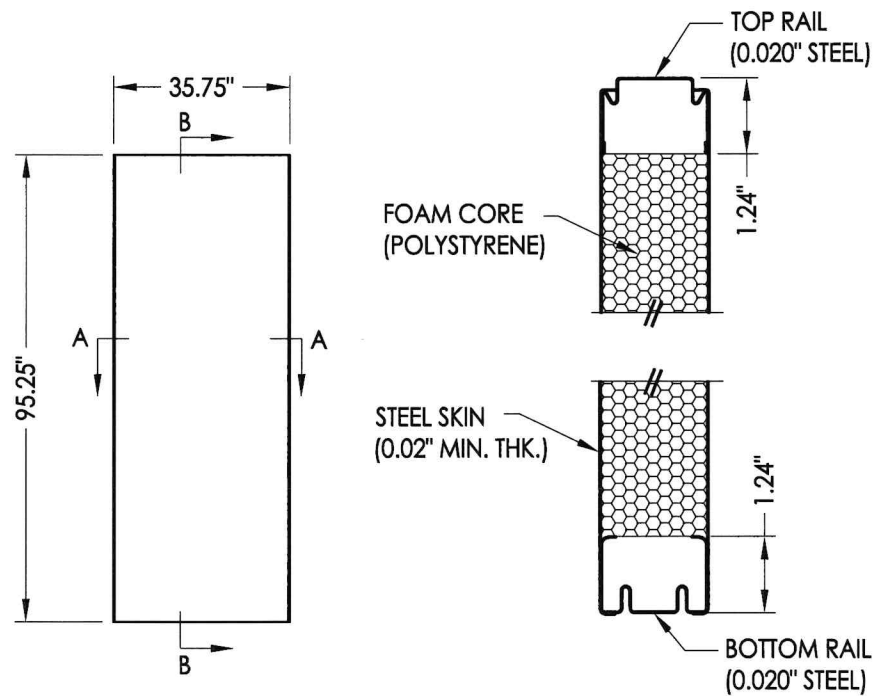
CHK. BY: LFS

DRAWING NO.:
FL-13727.5

SHEET 1 OF 6

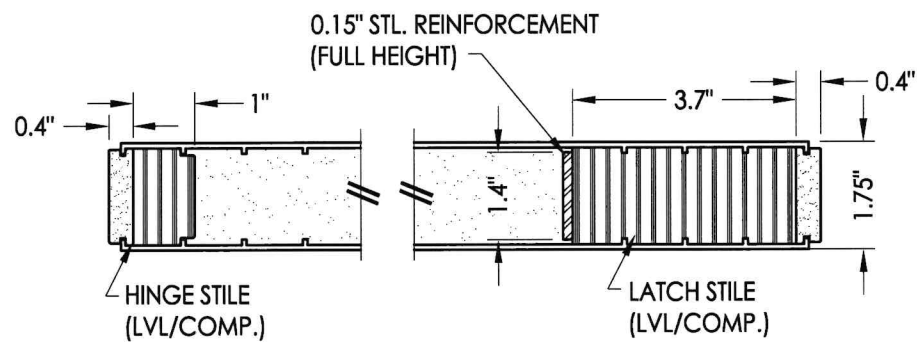


SECTION A-A

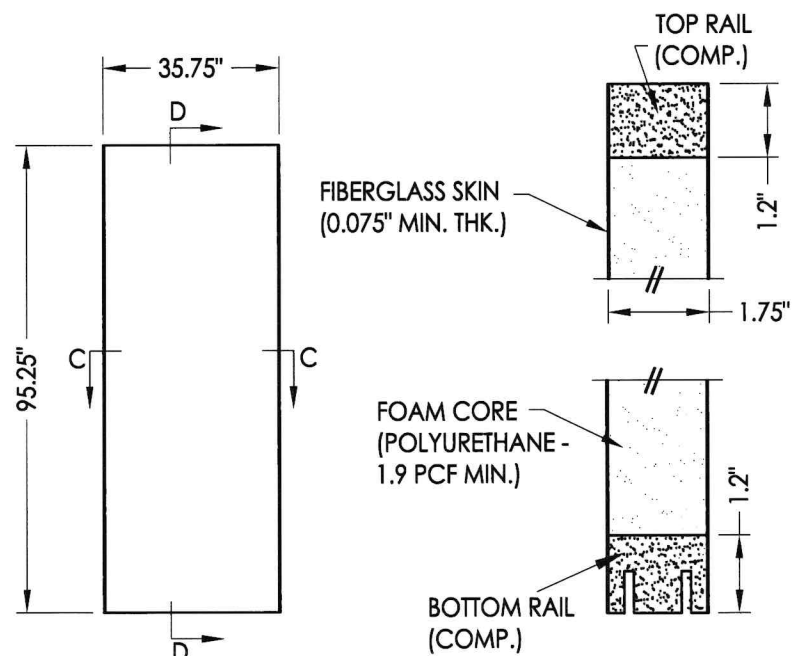


SECTION B-B

LOCK & DEADBOLT APPROVED HARDWARE CHART	
MANUFACTURER	MODEL
KWIKSET	LOCK: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (780)



SECTION C-C



SECTION D-D

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: ALUMINUM "T" ASTRAGAL

PART OR ASSEMBLY:
DOOR PANEL DETAILS

4	6/26/24	ADD FLAT ASTRAGAL PROFILE	LFS		
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC	LFS		
2	9/03/20	UPDATE TO 7TH ED. (2020) FBC	LFS		
1	9/27/17	UPDATE TO 6TH ED. (2017) FBC	JK		
NO.	DATE		BY		
				REVISIONS	

DATE: 8/23/16

SCALE: N.T.S.

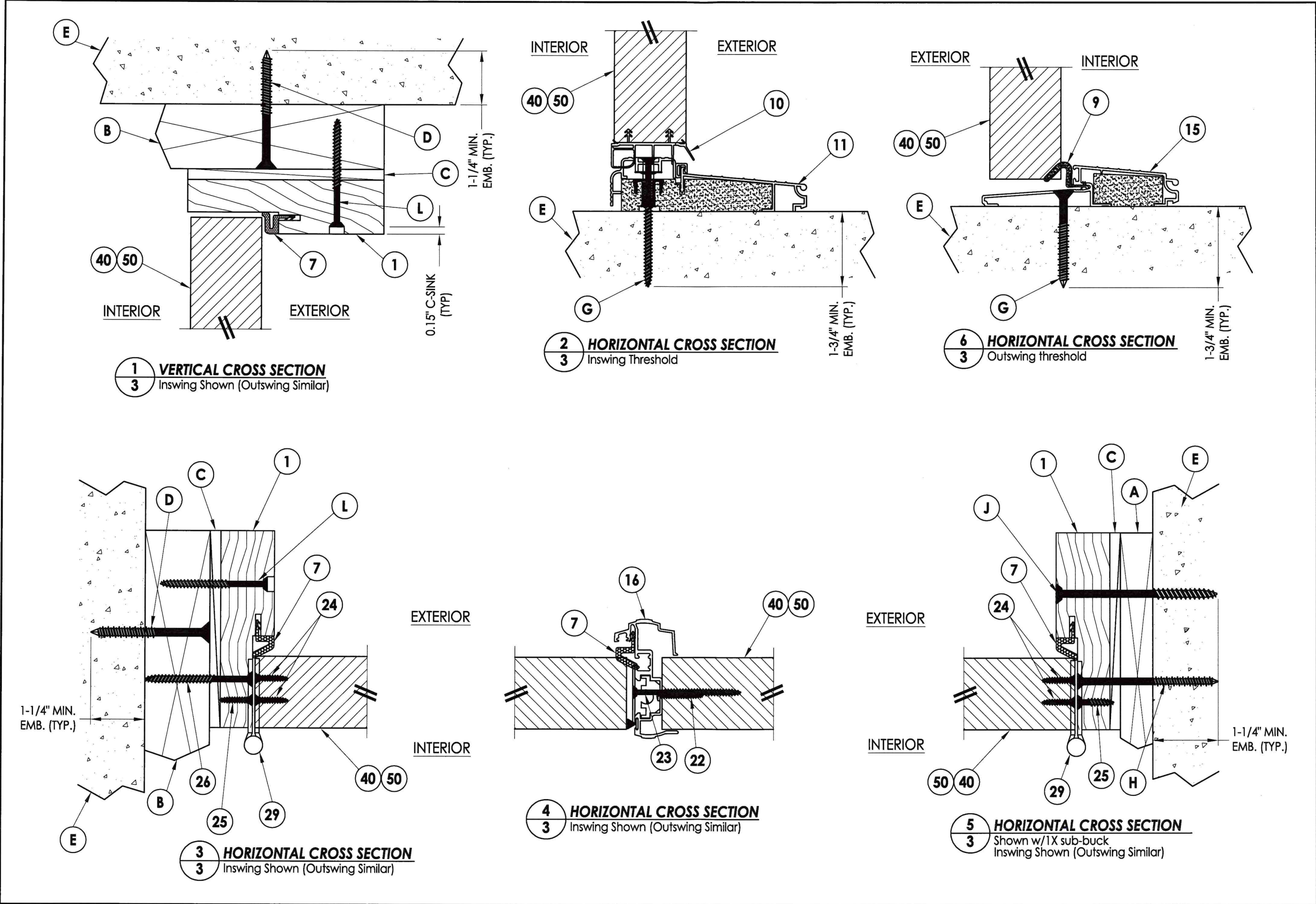
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CHK. BY: *LFS*

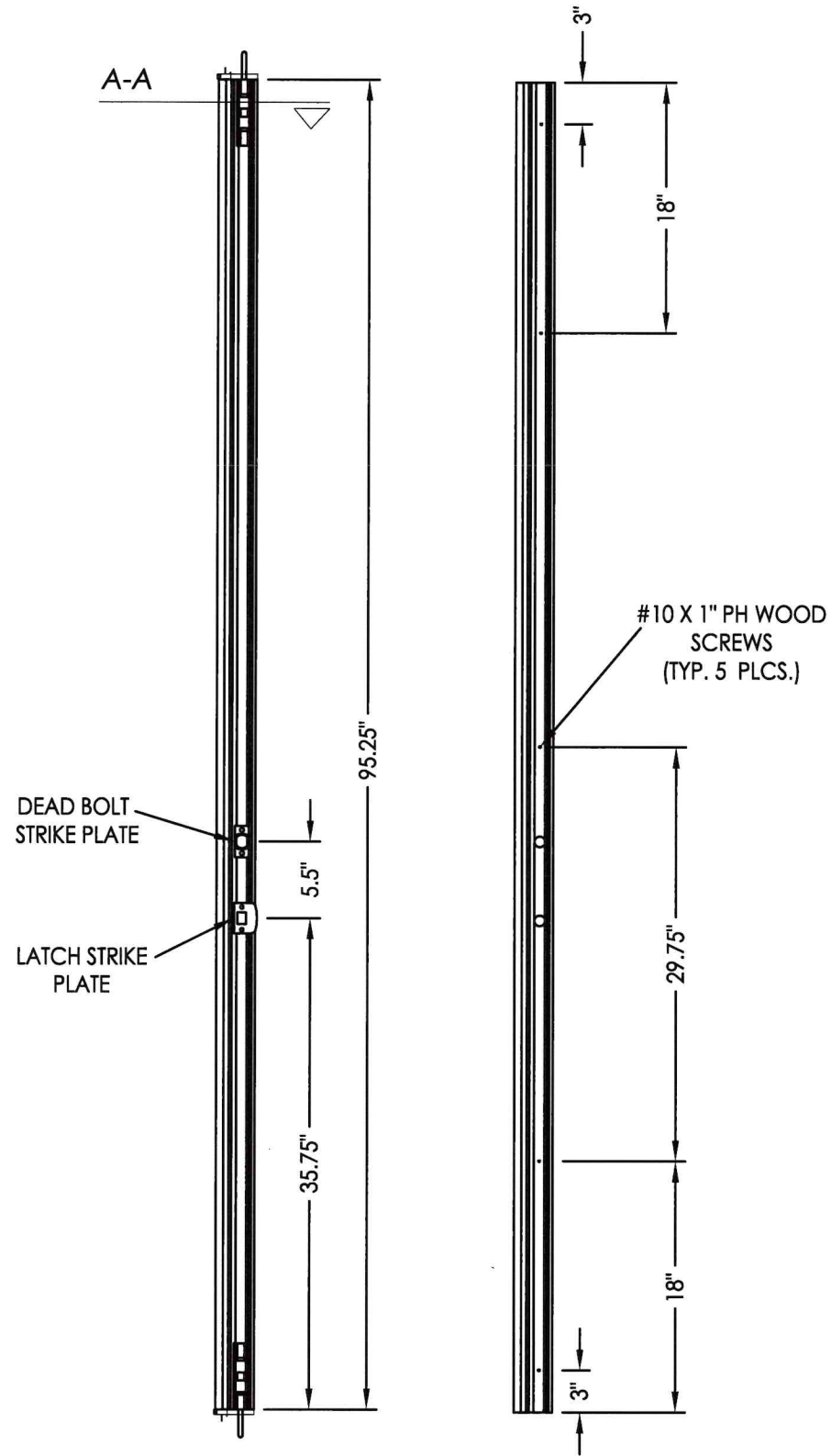
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FL-13727.5

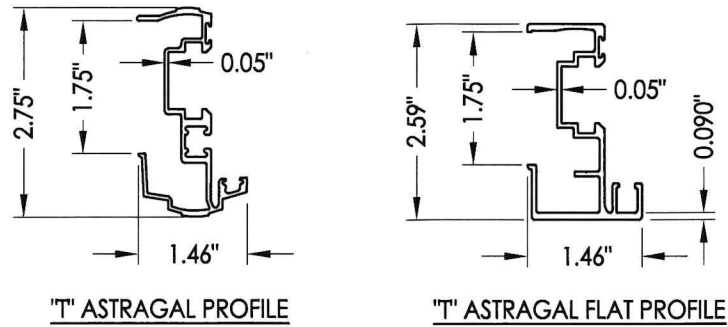
SHEET 2 OF 6



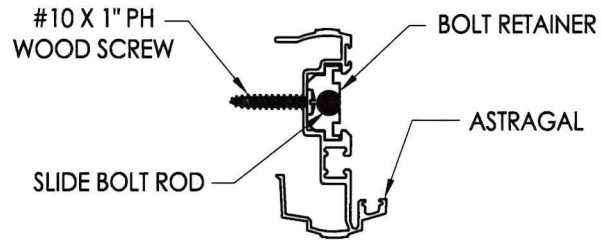
PRODUCT:		ALUMINUM "T" ASTRAGAL		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PART OR ASSEMBLY:		HORIZONTAL AND VERTICAL CROSS SECTIONS			
				LFS	
4	6/26/24	ADD FLAT ASTRAGAL PROFILE		LFS	
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC		LFS	
2	9/03/20	UPDATE TO 7TH ED. (2020) FBC		LFS	
1	9/27/17	UPDATE TO 6TH ED. (2017) FBC		JK	
NO.	DATE			BY	
					REVISIONS
DATE: 8/23/16					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-13727.5					
SHEET 3 OF 6					



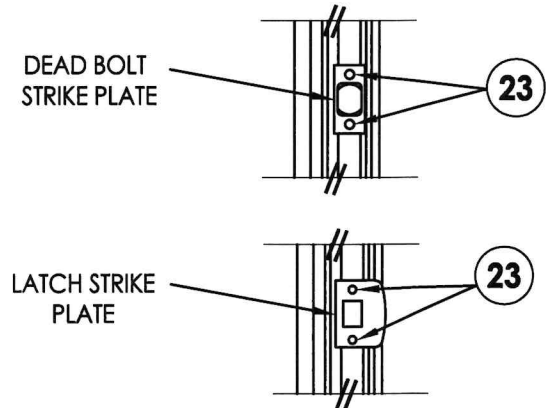
16 ALUMINUM "T" ASTRAGAL by AFCO
Aluminum



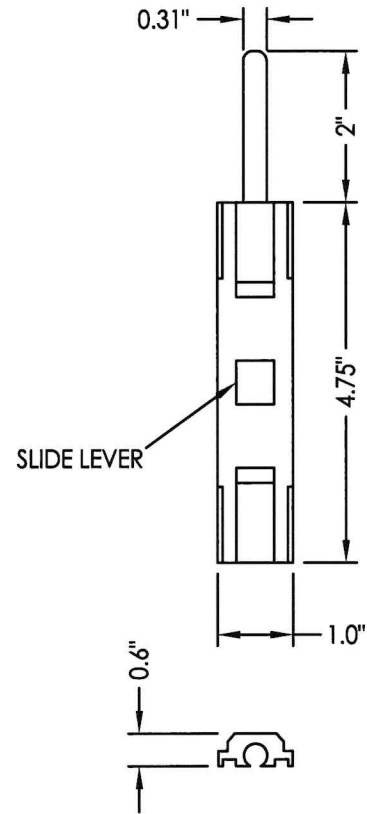
16 "ALUMINUM "T" ASTRAGAL by AFCO



SECTION A-A
Astragal Assembly



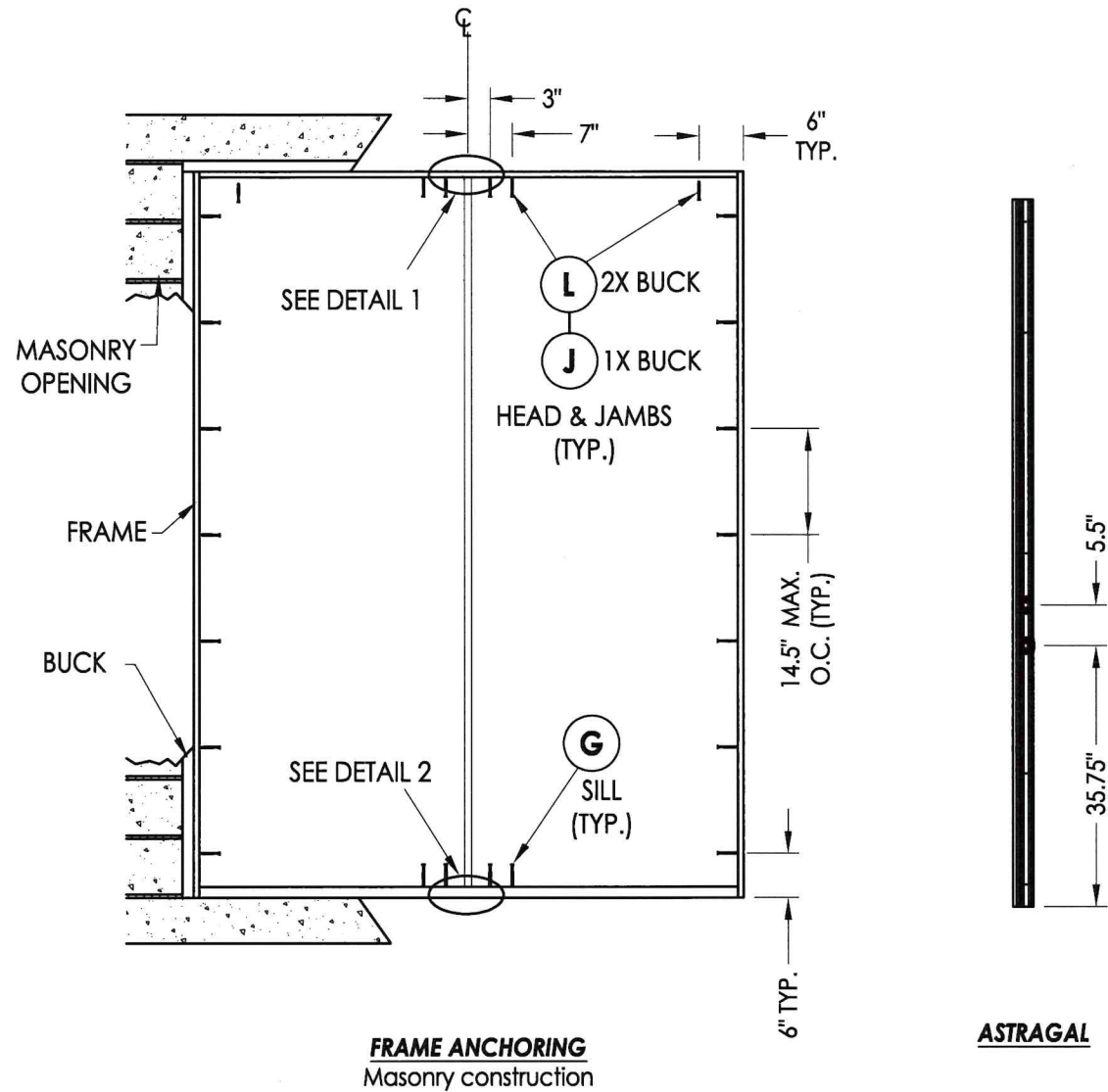
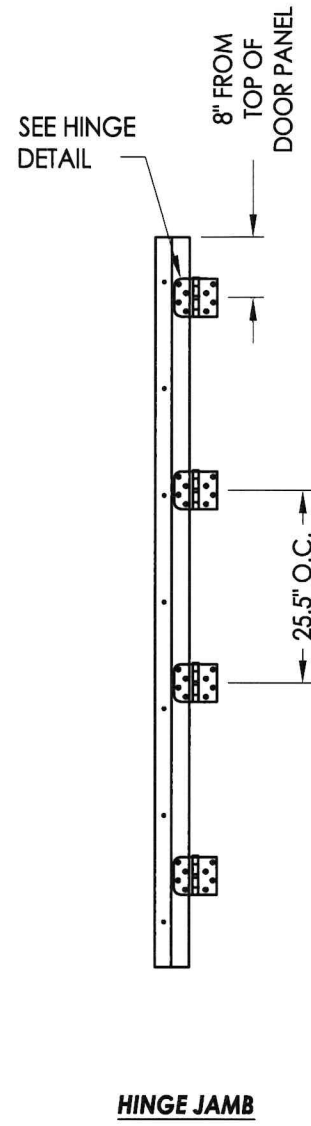
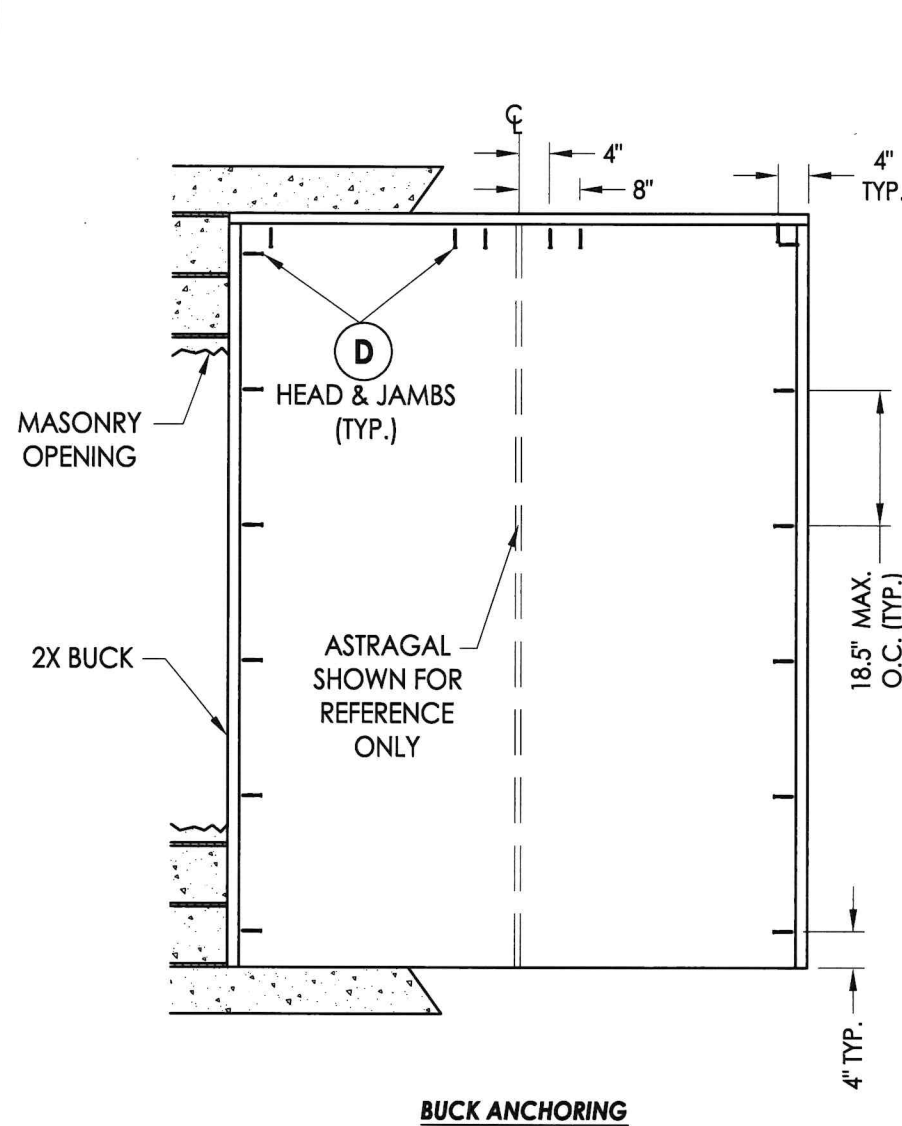
LATCH & DEAD BOLT DETAIL



SLIDE BOLT ASSEMBLY
w/ Slide Lever (PVC)

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:		ASTRAGAL DETAILS	
		LFS	LFS			JK	BY
4	6/26/24	ADD FLAT ASTRAGAL PROFILE	(2023) FBC				
3	8/09/23	UPDATE TO 8TH ED.	(2020) FBC				
2	9/03/20	UPDATE TO 7TH ED.	(2017) FBC				
1	9/27/17	UPDATE TO 6TH ED.	(2017) FBC				
	NO.	DATE					
DATE: 8/23/16				REVISIONS			
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-13727.5							
SHEET 4 OF 6							

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ASTRAGAL

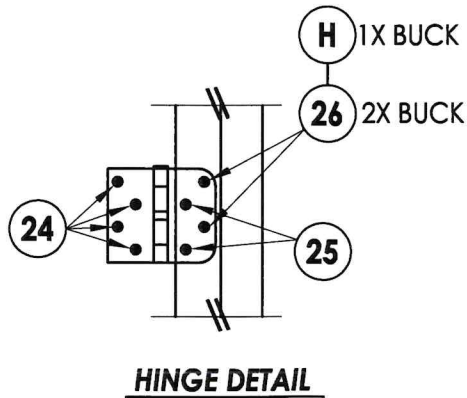
CONCRETE ANCHOR NOTES:

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:

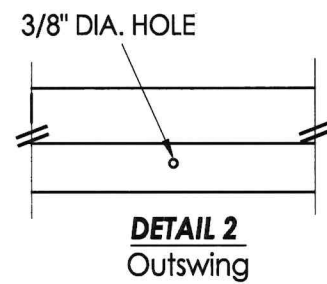
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

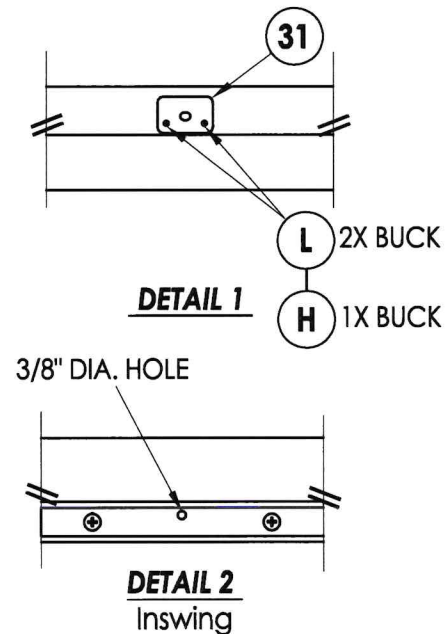
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



HINGE DETAIL



DETAIL 2
Outswing



DETAIL 1

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

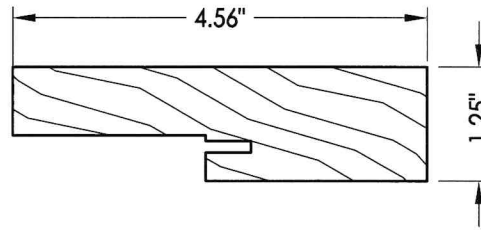
PRODUCT:
ALUMINUM "T" ASTRAGAL

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

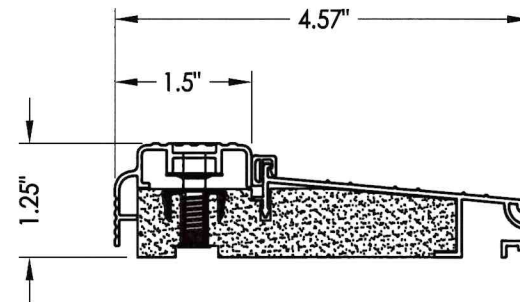
DATE: 8/23/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-13727.5
SHEET 5 OF 6

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

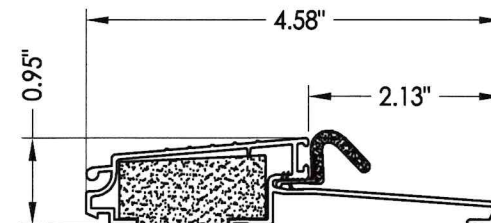
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	3/16" X 3-1/4" DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	HEAD AND JAMB (SG=> 0.42)	WOOD
7	WEATHERSTRIP QEBD650 (Q-LON)	FOAM
10	DOOR BOTTOM SWEEP	PVC
11	INSWING THRESHOLD (AFCO)	ALUM./COMP.
12	DEAD BOLT STRIKE PLATE	STEEL
14	LATCH STRIKE PLATE	STEEL
15	OUTSWING THRESHOLD (AFCO)	
16	ASTRAGAL (AFCO)	ALUM.
22	#10 X 1" PPH SMS	STEEL
23	#8 X 2-1/2" PPH WOOD SCREW	STEEL
24	#10 X 3/4" PFH SMS	STEEL
25	#9 X 3/4" PFH SMS	STEEL
26	#9 X 2-1/2" PFH WOOD SCREW	STEEL
29	3.983" X 4" HINGE MIN 0.098" THICK	STEEL
31	ASTRAGAL STRIKE PLATE	STEEL
40	THERMA-TRU DOOR PANEL (FIBERGLASS)	-
50	THERMA-TRU DOOR PANEL (STEEL)	-
60	PLASTPRO DOOR PANEL (FIBERGLASS)	-



1 HEAD & SIDE JAMB



11 INSWING THRESHOLD
AFCO A-276



15 **OUTSWING THRESHOLD**
AFCO A-117

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PRODUCT: ALUMINUM "T" ASTRAGAL		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
4	6/26/24	ADD FLAT ASTRAGAL PROFILE	LFS
3	8/09/23	UPDATE TO 8TH ED. (2023)	FBC
2	9/03/20	UPDATE TO 7TH ED. (2020)	FBC
1	9/27/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE		BY
		REVISIONS	
DATE: 8/23/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-13727.5			
SHEET 6 OF 6			