

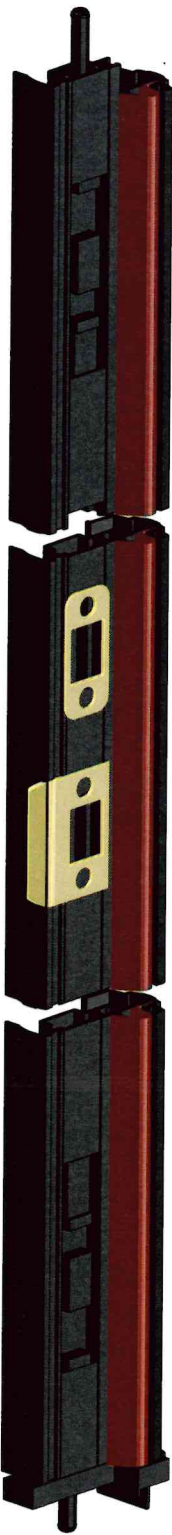
AFCO Millwork Products
11000 Green Valley Dr.
Olive Branch, MS 38654

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

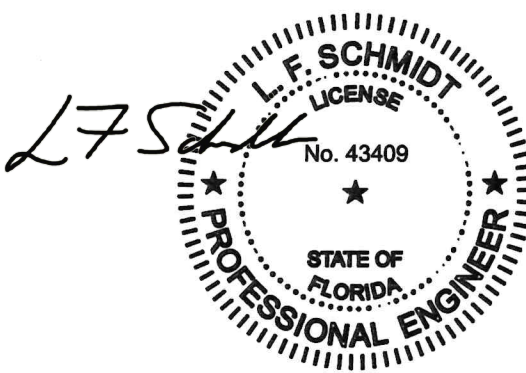
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 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 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



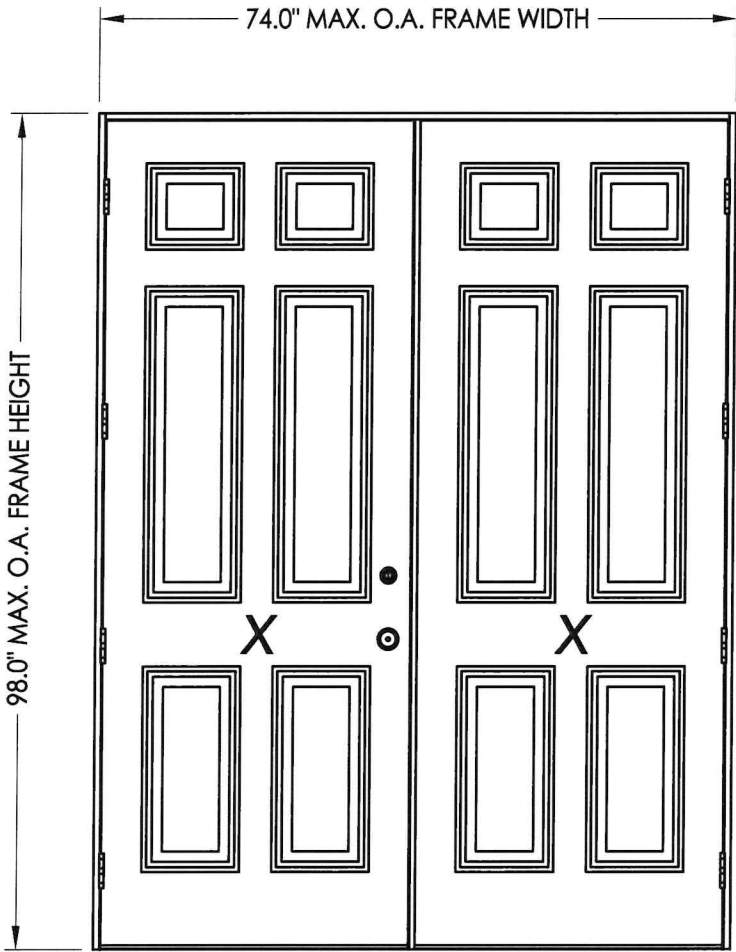
ALUMINUM "T" ASTRAGAL



Digitally signed by
Lyndon F Schmidt
Date: 2026.09.22
08:41:57 -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

ALUMINUM "T" ASTRAGAL

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

REVISIONS

NO.	DATE	BY
1	9/27/17	JK
2	9/03/20	LFS
3	8/09/23	LFS
4	6/26/24	LFS
5	9/21/26	LFS

DATE: 8/23/16

SCALE: N.T.S.

DWG. BY: JK

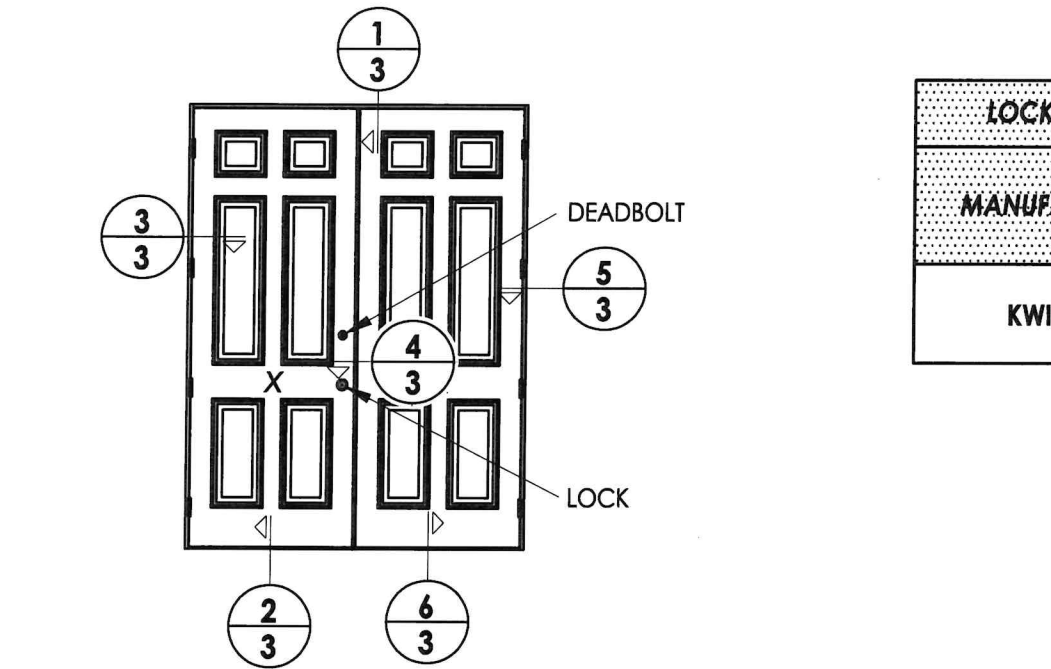
CHK. BY: LFS

DRAWING NO.: FL-13727.5

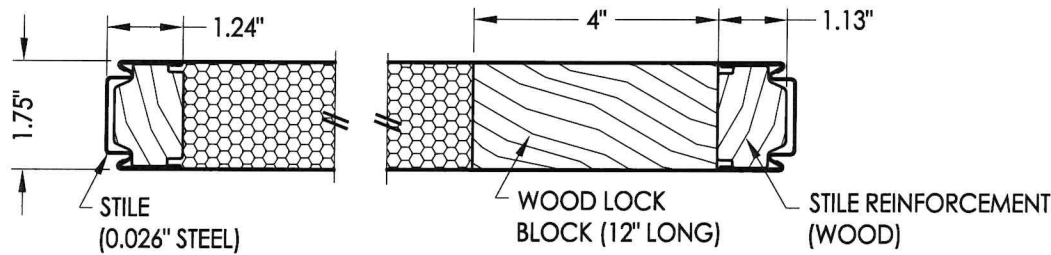
SHEET 1 OF 6

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

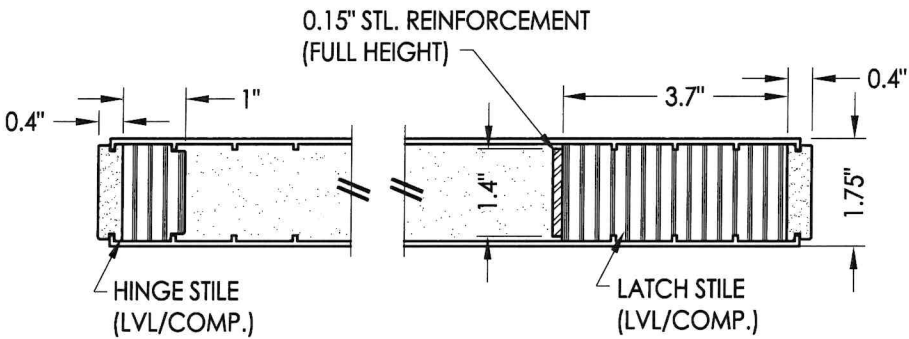
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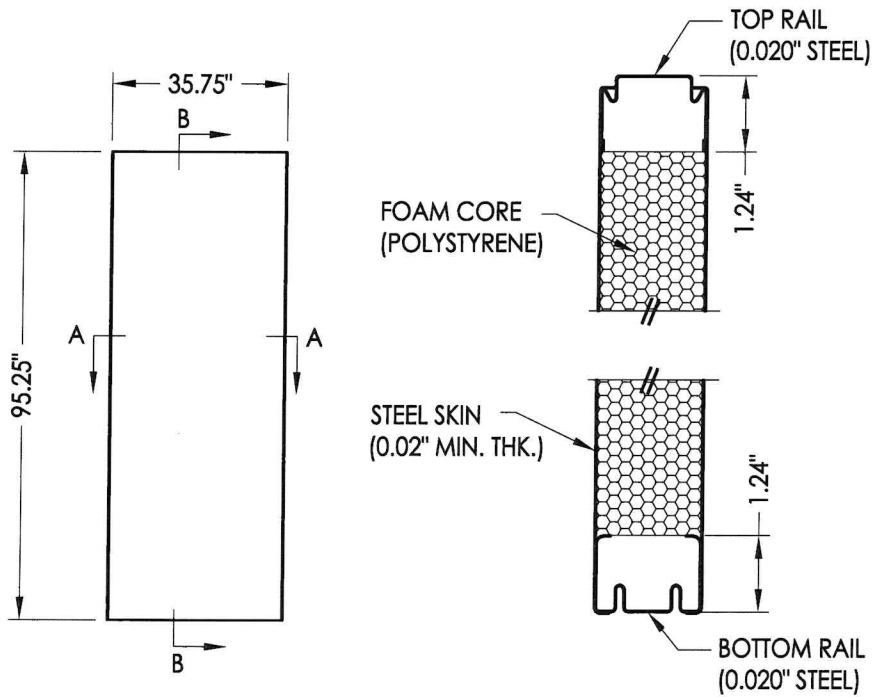
LOCK & DEADBOLT APPROVED HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	LOCK:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)



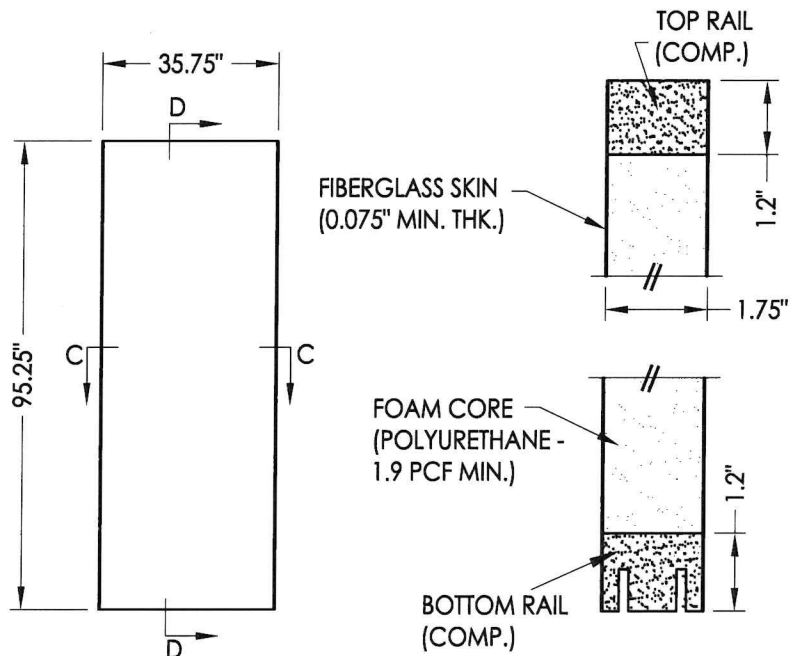
SECTION A-A



SECTION C-C



SECTION B-B



SECTION D-D

40 DOOR PANEL
JELD-WEN
Steel

50 DOOR PANEL
Plastpro
Fiberglass

PRODUCT:

ALUMINUM "I" ASTRAGAL

PART OR ASSEMBLY:

DOOR PANEL DETAILS

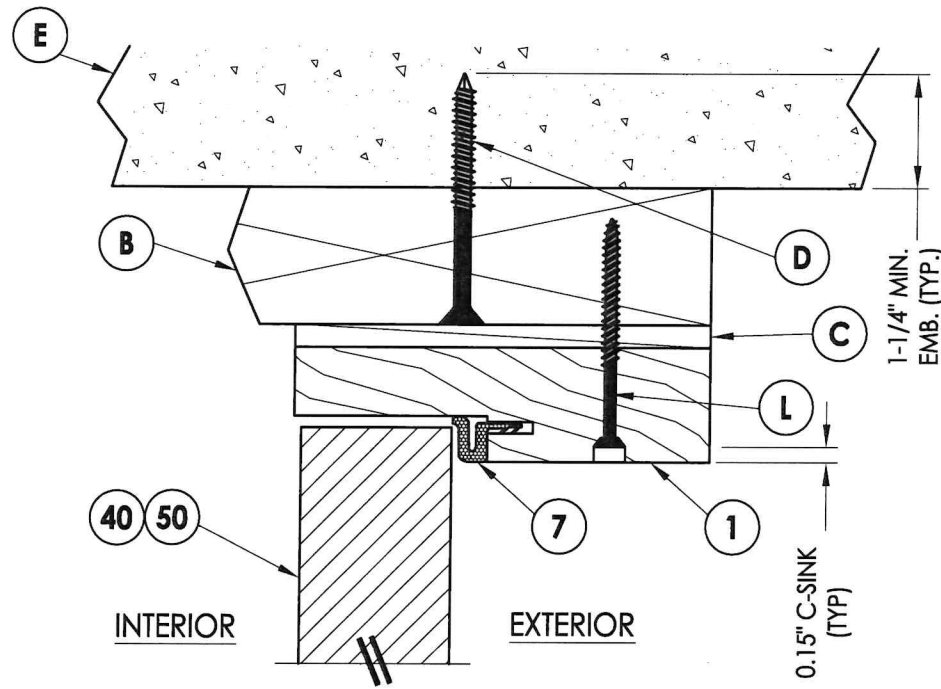
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R²W BUILDING CONSULTANTS, INC.

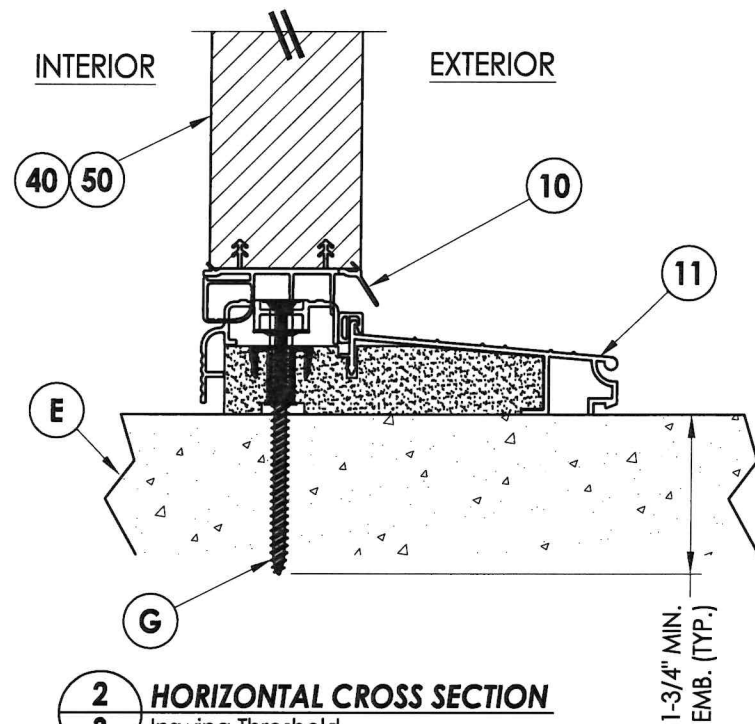
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE:	8/23/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-13727.5
SHEET	2 OF 6

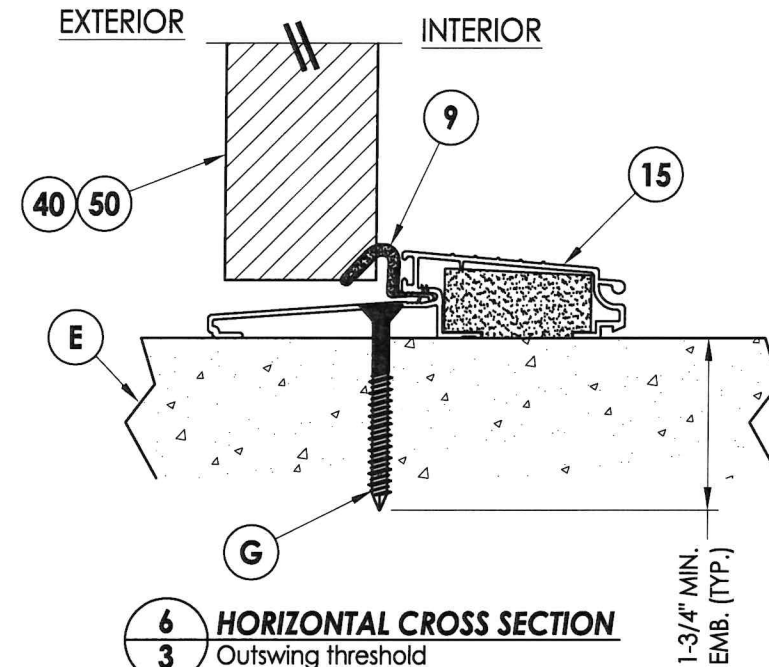
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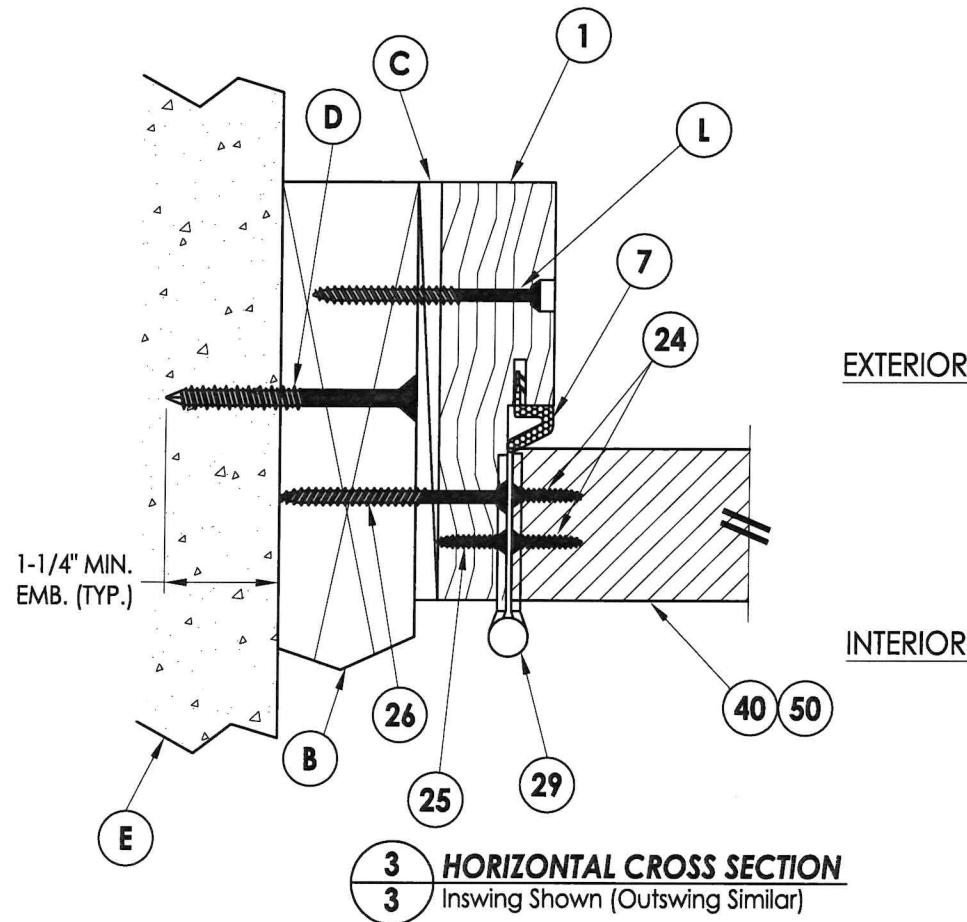
1 VERTICAL CROSS SECTION
3 Inswing Shown (Outswing Similar)



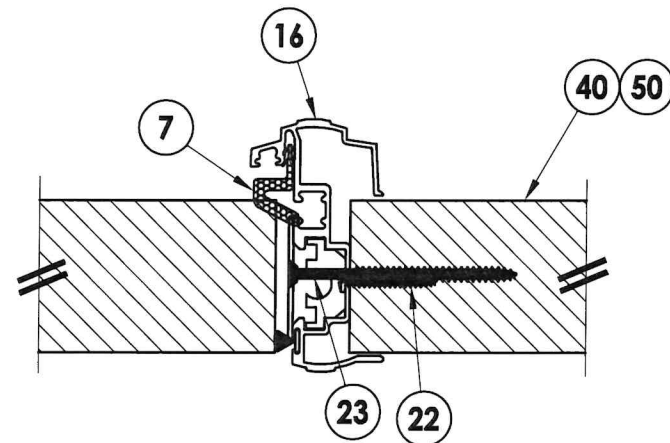
2 HORIZONTAL CROSS SECTION
3 Inswing Threshold



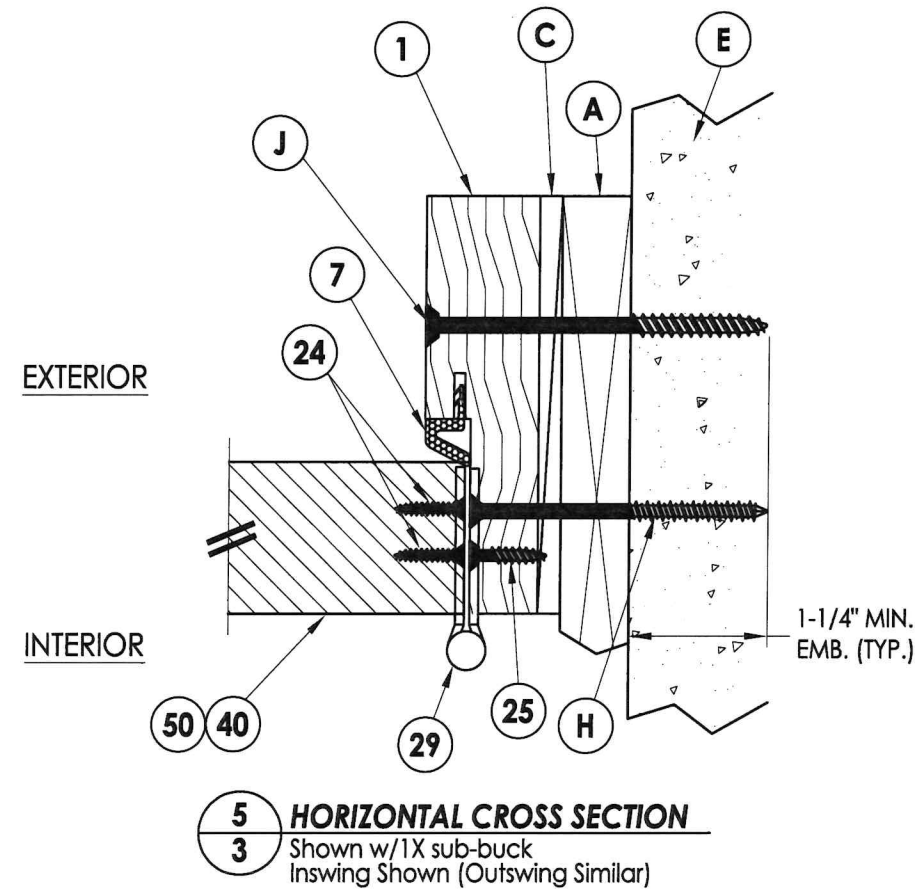
6 HORIZONTAL CROSS SECTION
3 Outswing threshold



3 HORIZONTAL CROSS SECTION
3 Inswing Shown (Outswing Similar)



4 HORIZONTAL CROSS SECTION
3 Inswing Shown (Outswing Similar)



5 HORIZONTAL CROSS SECTION
3 Shown w/1X sub-buck
Inswing Shown (Outswing Similar)

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:
HORIZONTAL AND VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		BY	CHK	DATE	DESCRIPTION
5	9/21/26	LFS	FBC		UPDATE TO 9TH ED. (2026)
4	6/26/24	LFS	FBC		ADD FLAT ASTRAGAL PROFILE
3	8/09/23	LFS	FBC		UPDATE TO 8TH ED. (2023)
2	9/03/20	LFS	FBC		UPDATE TO 7TH ED. (2020)
1	9/27/17	JK	FBC		UPDATE TO 6TH ED. (2017)

DATE: 8/23/16

SCALE: N.T.S.

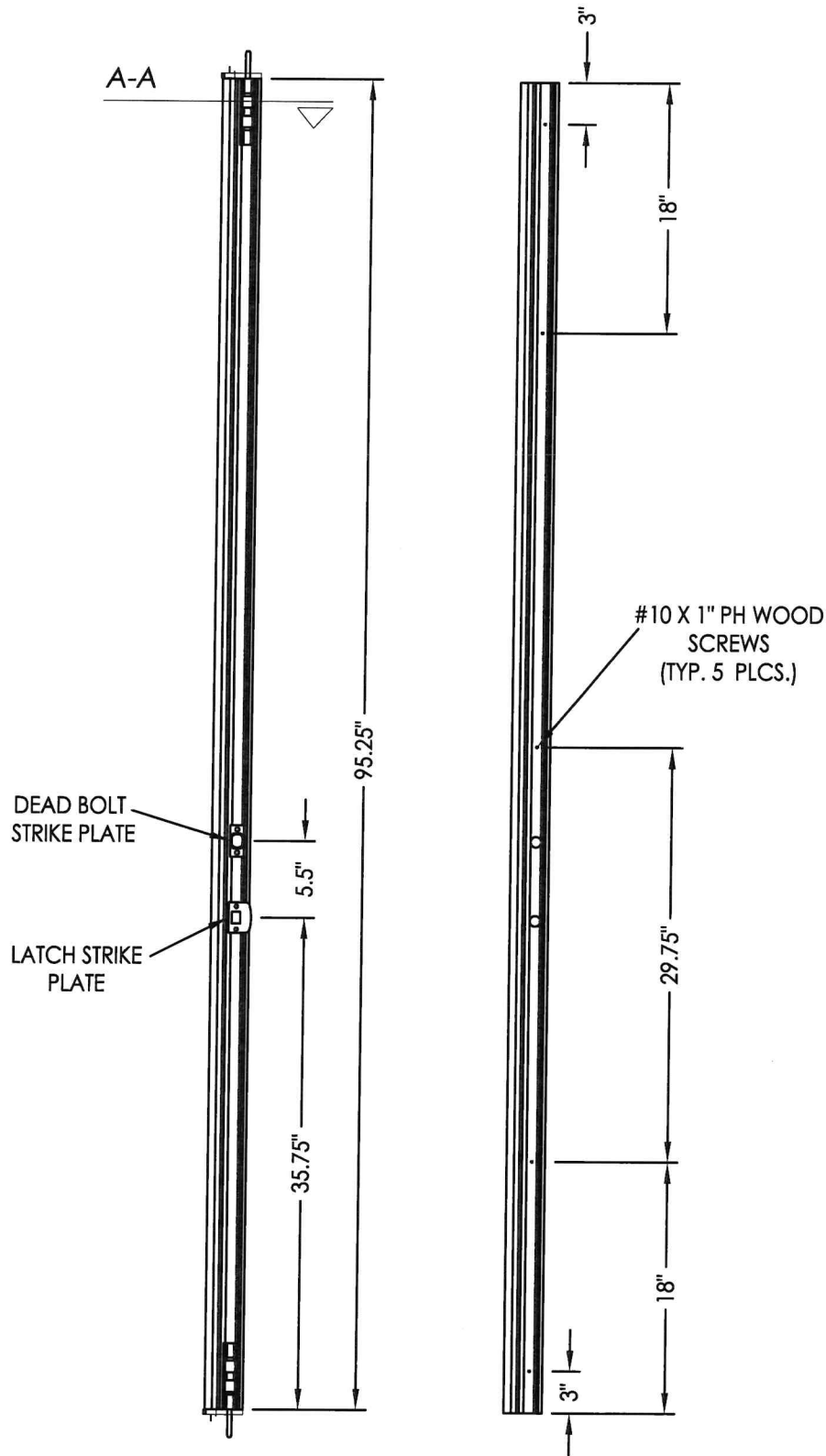
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CHK. BY: LFS

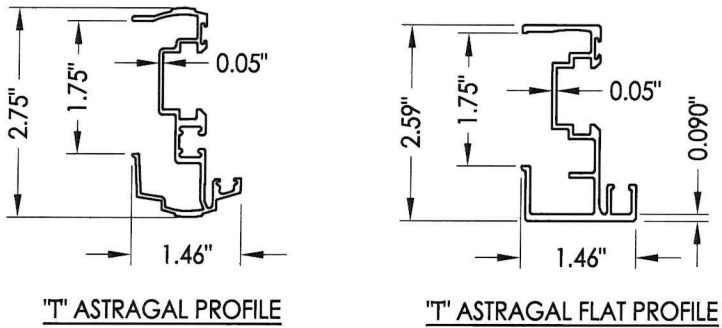
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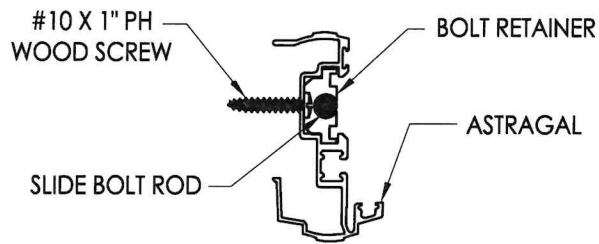
SHEET 3 OF 6



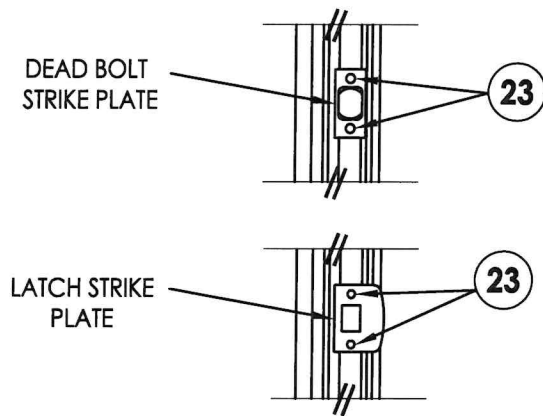
16 ALUMINUM "T" ASTRAGAL by AFCO
Aluminum



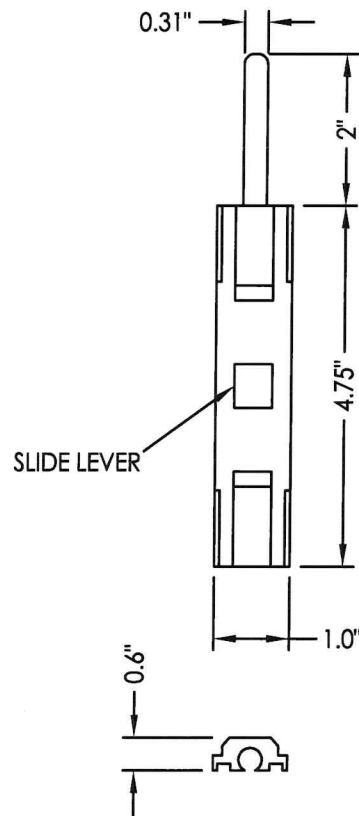
16 "ALUMINUM "T" ASTRAGAL by AFCO



SECTION A-A
Astragal Assembly



LATCH & DEAD BOLT DETAIL



SLIDE BOLT ASSEMBLY
w/ Slide Lever (PVC)

PRODUCT:		PART OR ASSEMBLY:	
ALUMINUM "T" ASTRAGAL		ASTRAGAL DETAILS	
NO.	DATE	REVISIONS	BY
5	9/21/26	UPDATE TO 9TH ED. (2026) FBC	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

DATE: 8/23/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

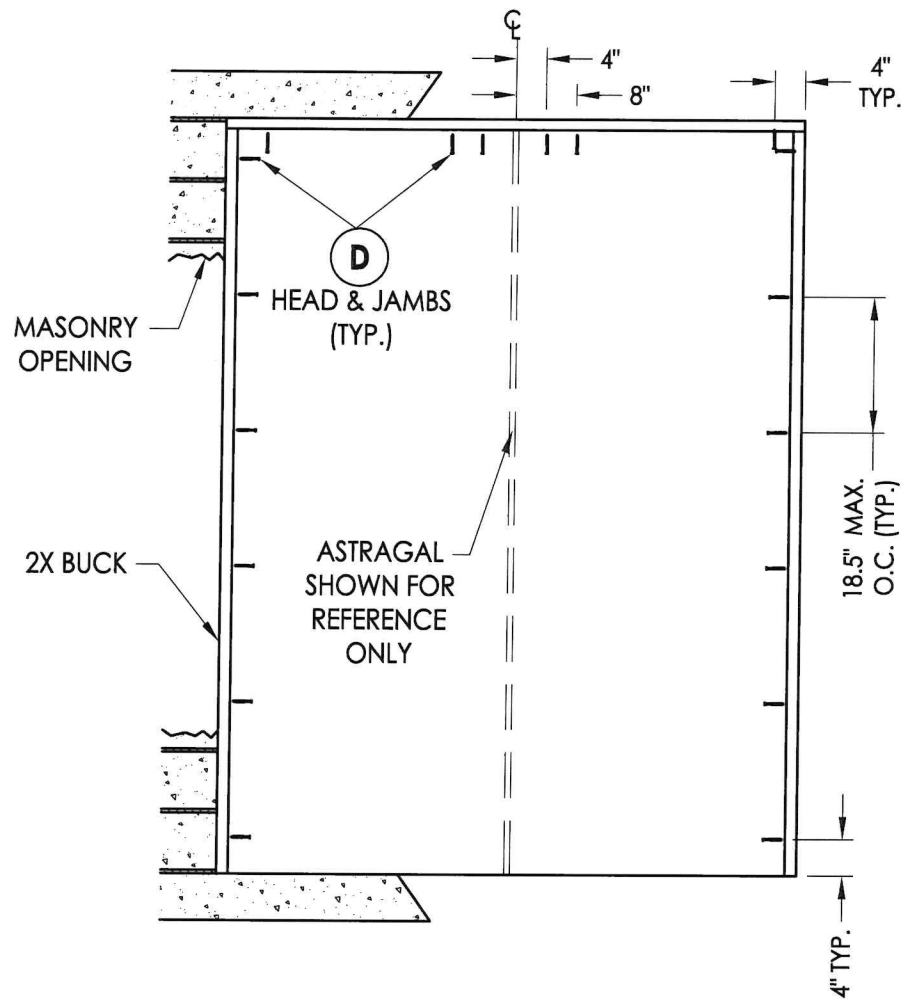
FL-13727.5

SHEET 4 OF 6

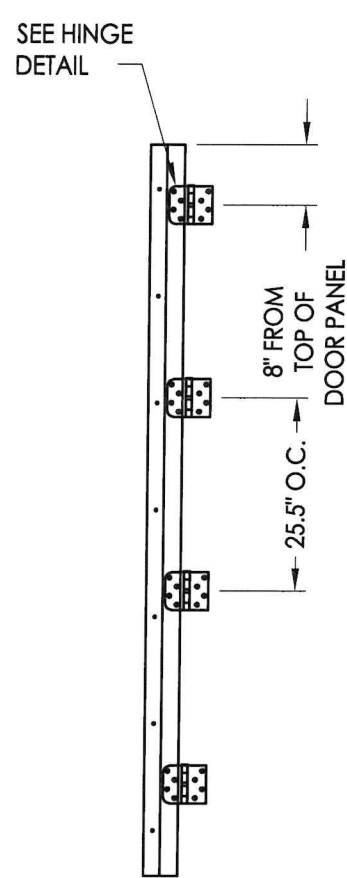
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

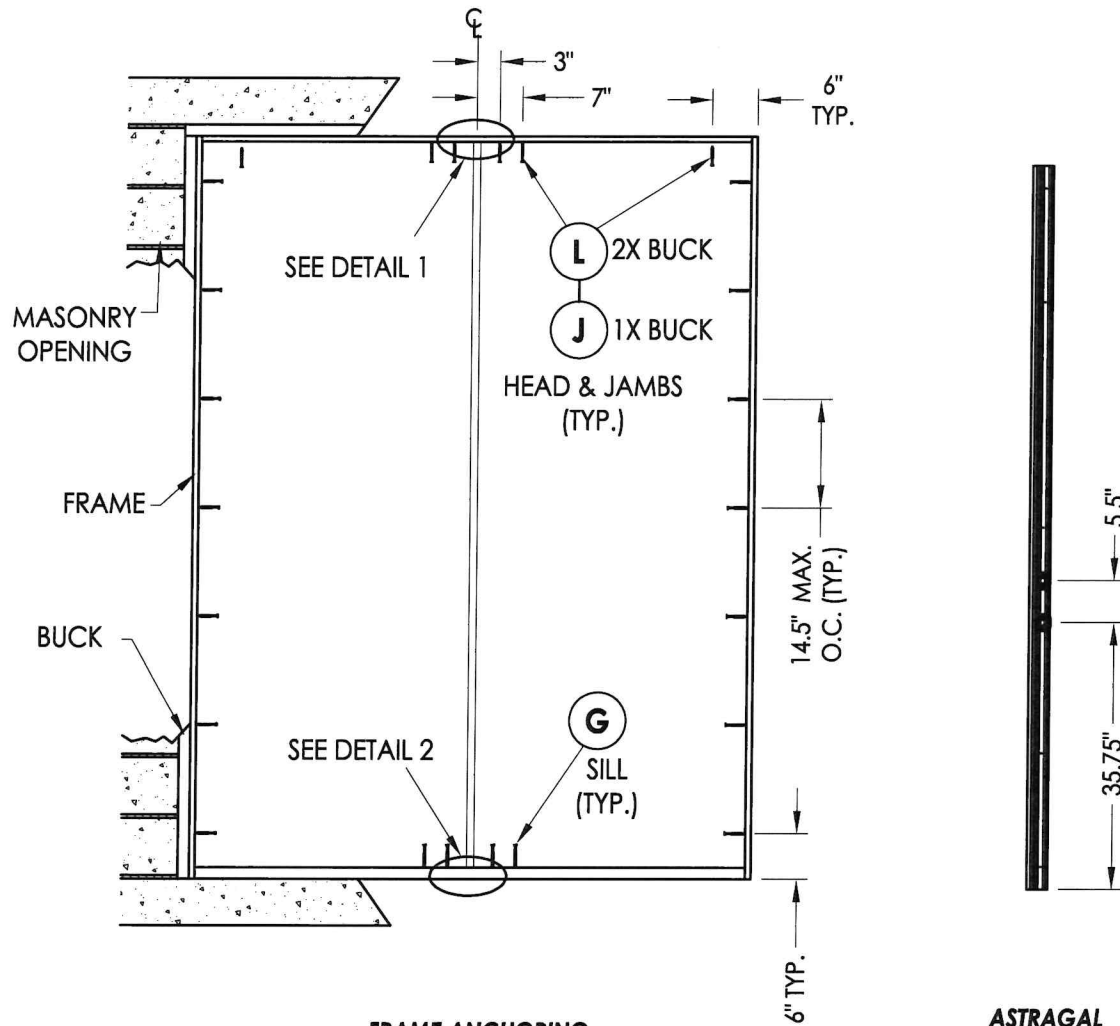
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BUCK ANCHORING



HINGE JAMB



FRAME ANCHORING
Masonry construction

ASTRAGAL

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.

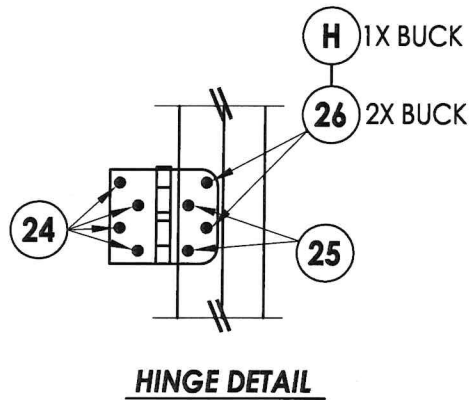
CONCRETE ANCHOR NOTES:

- 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:

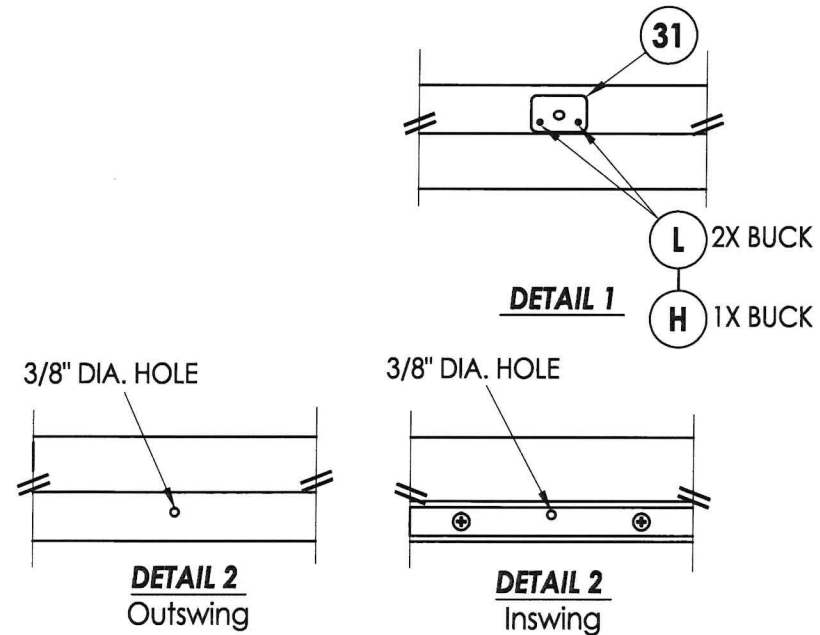
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



HINGE DETAIL



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

PRODUCT:
ALUMINUM "T" ASTRAGAL

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

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	9/03/20	UPDATE TO 7TH ED. (2020) FBC
1	9/27/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 8/23/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

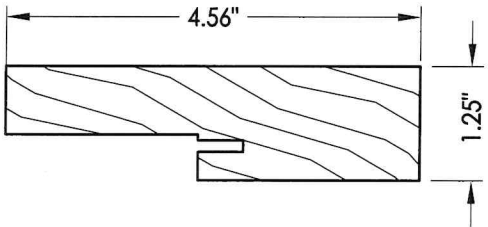
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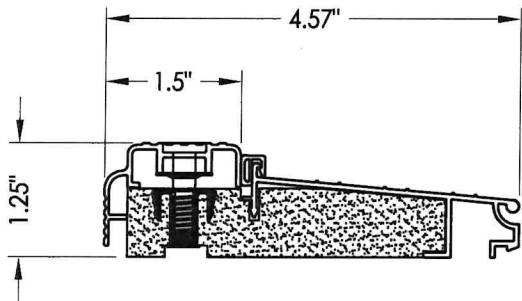
SHEET 5 OF 6

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

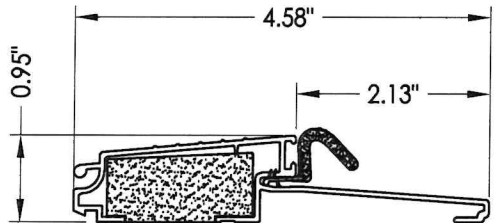
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" PFH 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

NO.	DATE	REVISIONS					
		5	4	3	2	1	
	9/21/26	UPDATE TO 9TH ED. (2026)	FBC				
	6/26/24	ADD FLAT ASTRAGAL PROFILE	LFS				
	8/09/23	UPDATE TO 8TH ED. (2023)	FBC				
	9/03/20	UPDATE TO 7TH ED. (2020)	FBC				
	9/27/17	UPDATE TO 6TH ED. (2017)	FBC				

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

PRODUCT:

ALUMINUM "T" ASTRAGAL

PART OR ASSEMBLY:

BILL OF MATERIALS
& COMPONENTS

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

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Phone No.: 813.659.9197
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