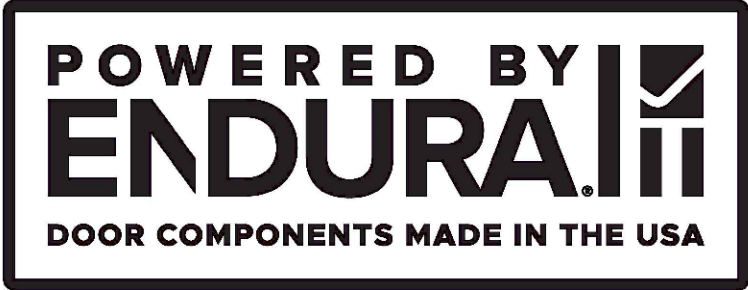


G:\2023 FBC Drawings 7.1.26\Endura Products\FL-14823 R14\FL-14823.2-4,6-9.dwg



Ultimate Flip Lever Astragal

INSWING / OUTSWING

"NON-IMPACT"

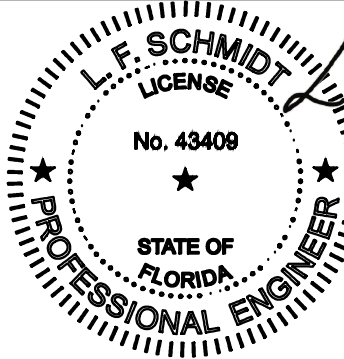
GENERAL NOTES

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	Astragal details
3	Door panel details
4	Horizontal and vertical cross sections
5	Threshold details
6	Buck and frame anchoring



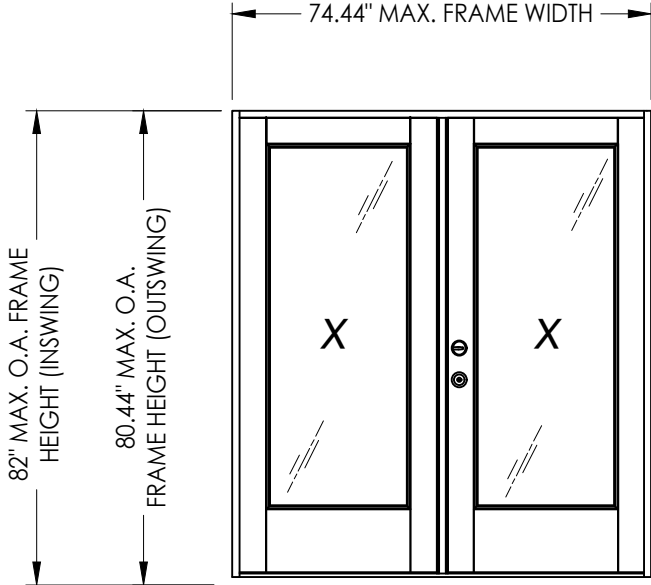
Ultimate Flip Lever Astragal



Digitally signed by Lyndon F Schmidt
Date: 2026.07.19 11:23:57 -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



ULTIMATE FLIP LEVER ASTRAGAL by ENDURA				
MAXIMUM FRAME SIZE			DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA TRU Flush Glazed (FIBERGLASS)	INSWING	74.44" X 82"	+35.0	-40.0
	OUTSWING	74.44" X 80.44"	+35.0	-35.0

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

ENDURA

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

8	7/03/26	UPDATE TO 9TH ED. (2026) FBC	LFS
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023) FBC	LFS
NO.	DATE		BY

REVISIONS

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14823.3

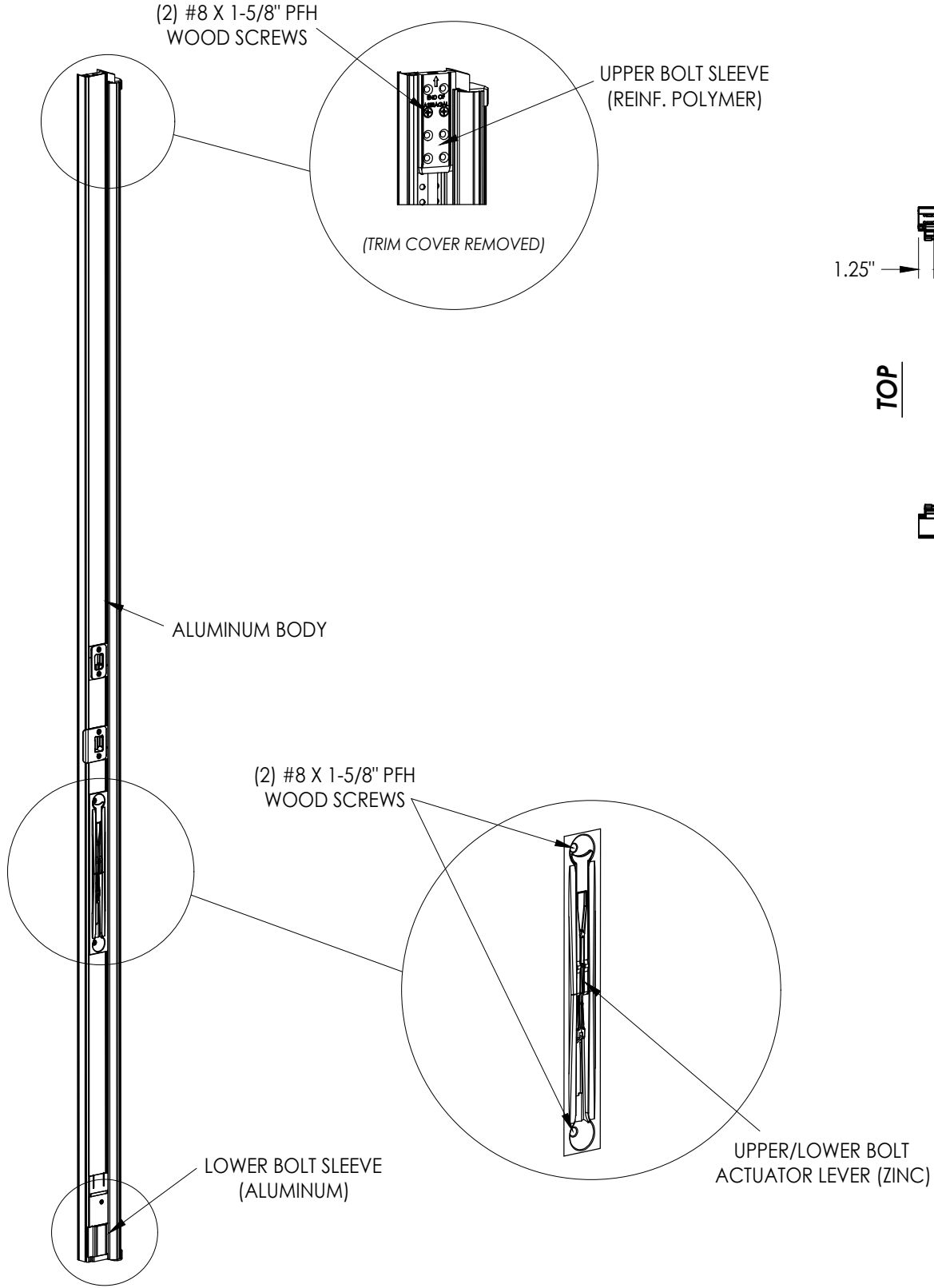
SHEET 1 OF 6

Lyndon F. Schmidt
P.E. No. 43409

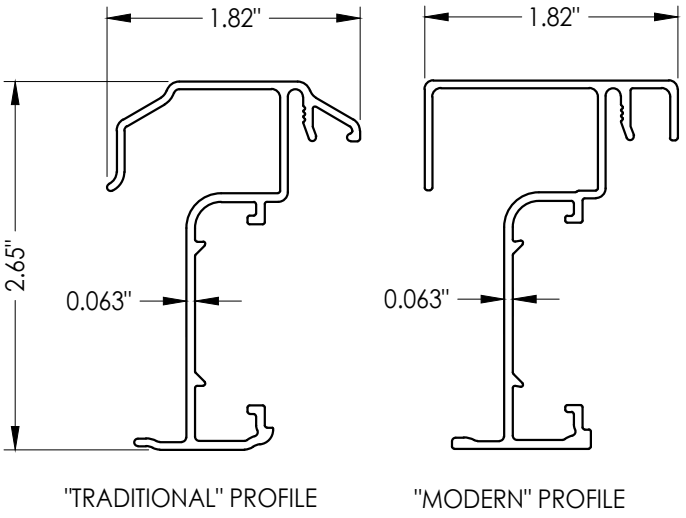
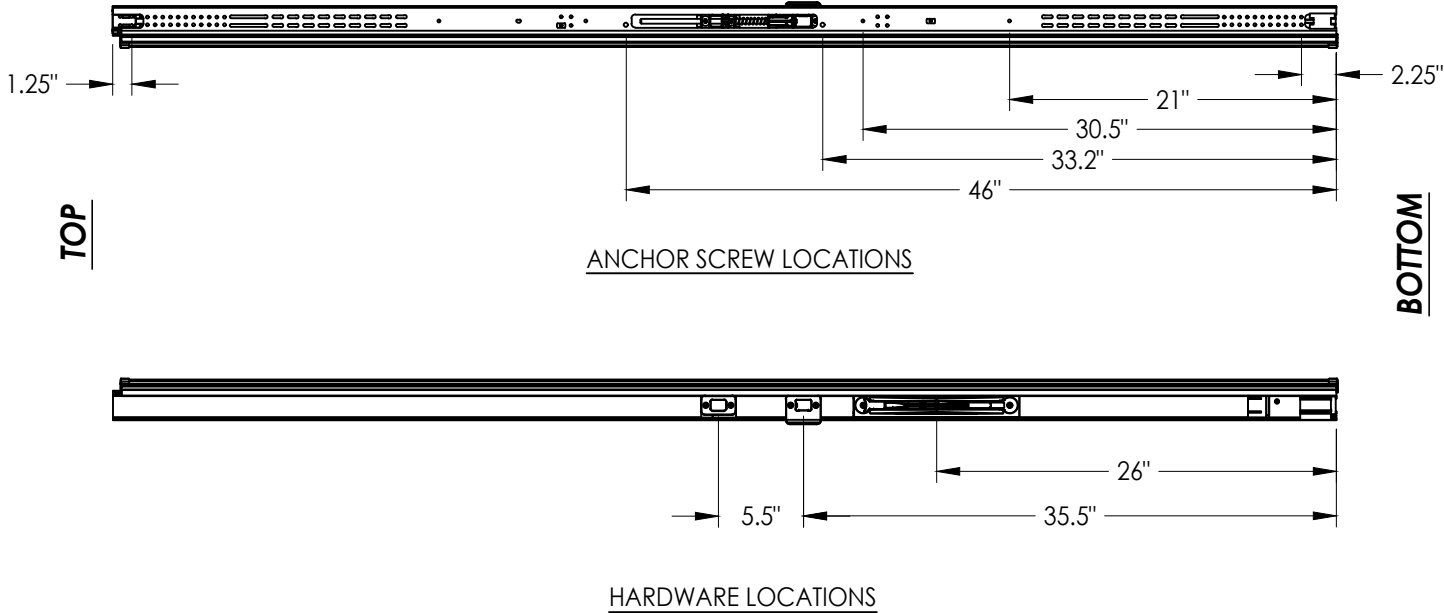
RW

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

G:\2023 FBC Drawings 7.1.26\Endura Products\FL-14823 R14\FL-14823.2-4,6-9.dwg



ULTIMATE FLIP LEVER ASTRAGAL



ASTRAGAL SECTIONS

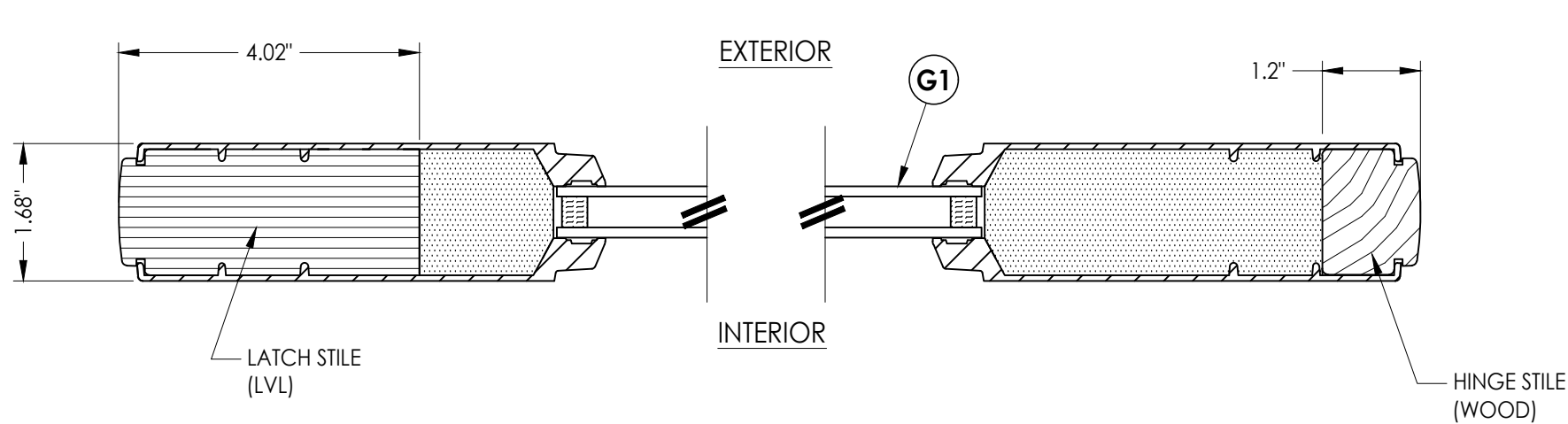
PRODUCT:		PART OR ASSEMBLY:	
ENDURA		ASTRAGAL DETAILS	
NO.	DATE	REVISIONS	BY
8	7/03/26	UPDATE TO 9TH ED. (2026) FBC	LFS
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023) FBC	LFS
5			
4			
3			
2			
1			

DATE:	8/30/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14823.3
SHEET	2 OF 6

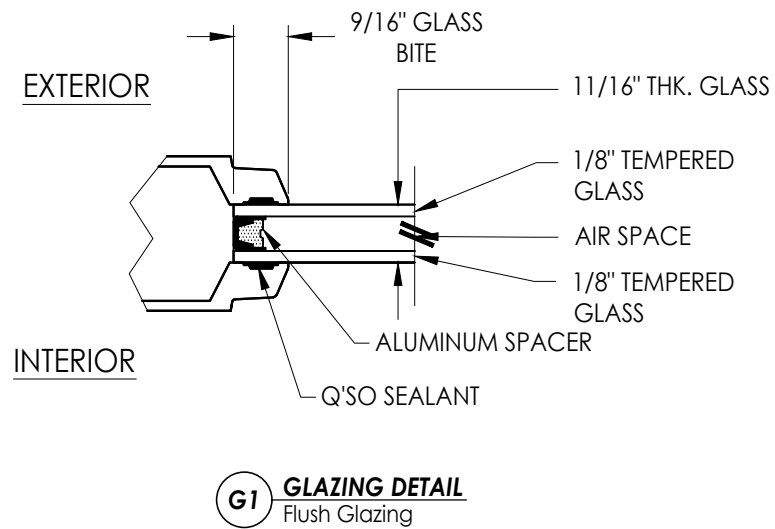
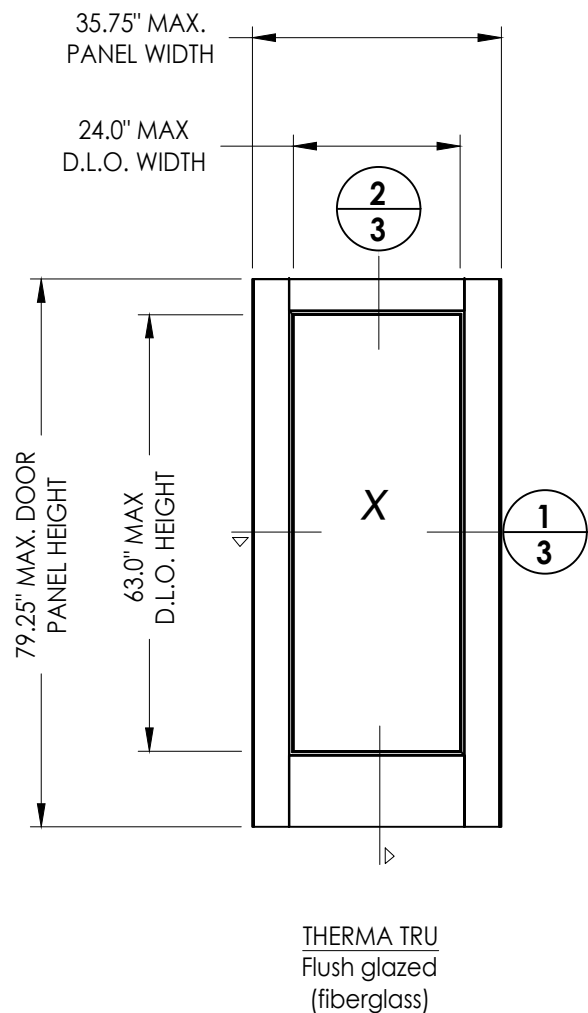
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

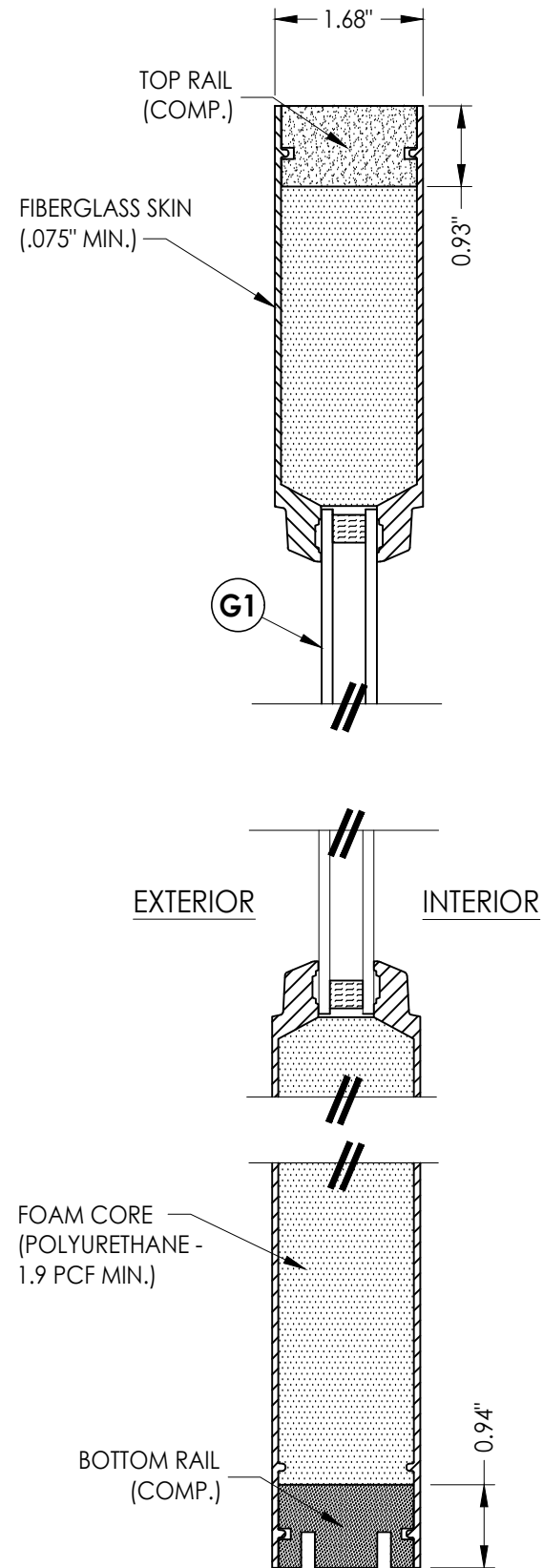
G:\2023 FBC Drawings 7.1.26\Endura Products\FL-14823 R14\FL-14823.2-4.6-9.dwg



1
3 HORIZONTAL CROSS SECTION



G1 GLAZING DETAIL
Flush Glazing



2
3 VERTICAL CROSS SECTION

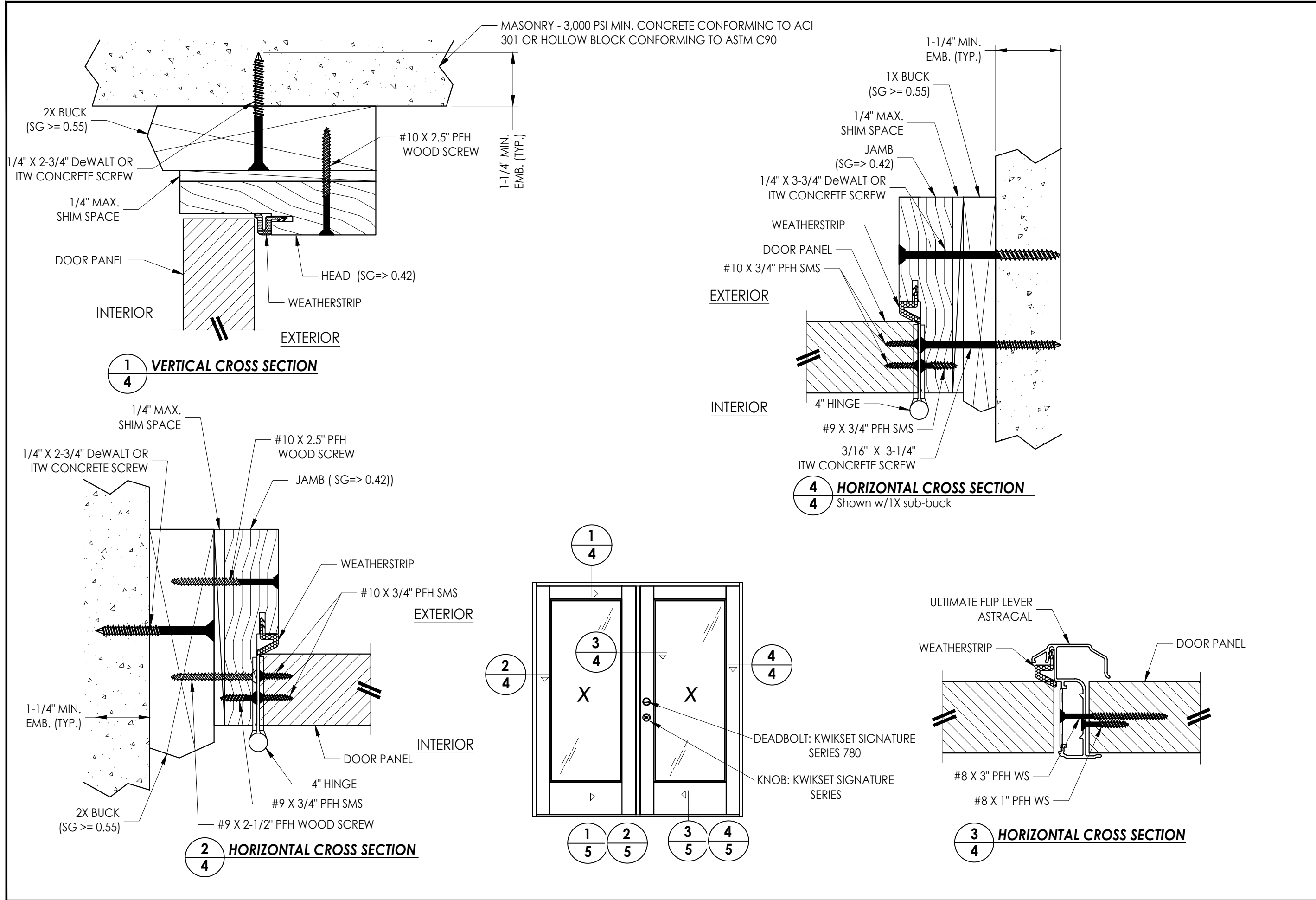
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

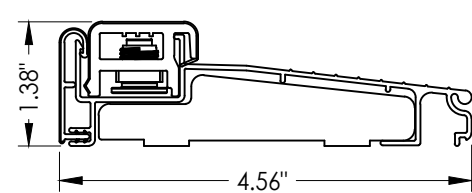
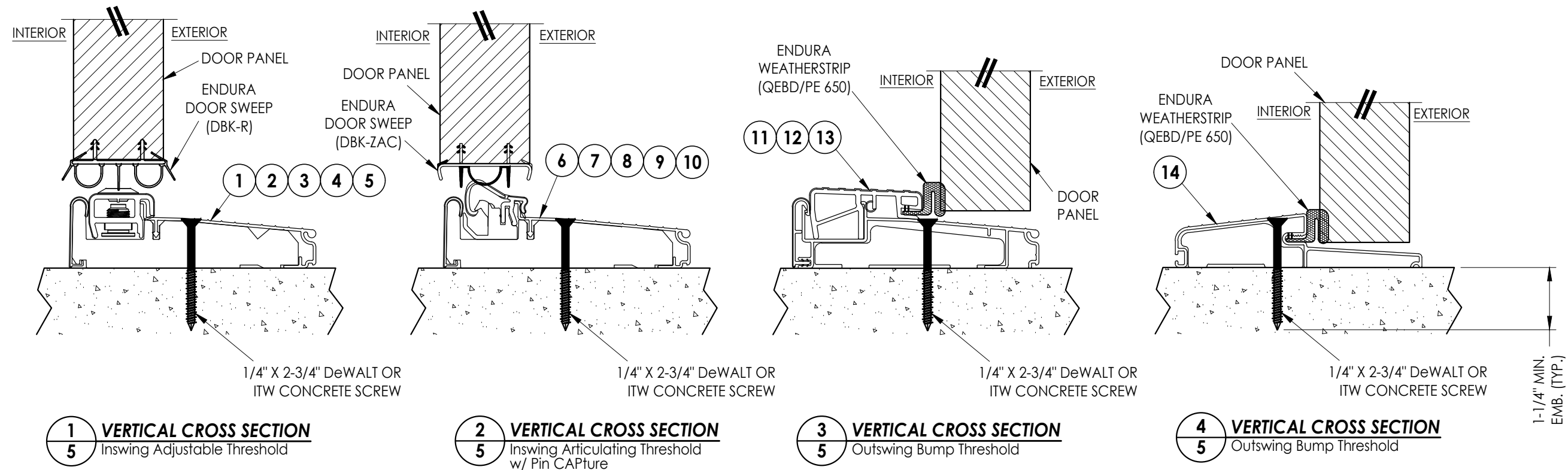
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	
ENDURA	
PART OR ASSEMBLY:	
DOOR PANEL DETAILS & GLAZING DETAIL	

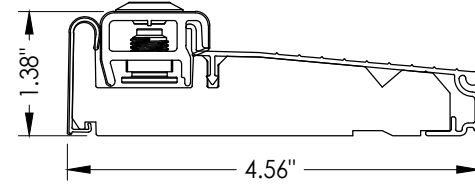
REVISIONS	
NO.	DATE
8	7/03/26
7	4/16/24
6	7/07/23
5	
4	
3	
2	
1	

DATE: 8/30/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14823.3
SHEET 3 OF 6

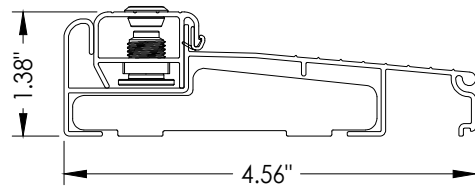
[illegible]



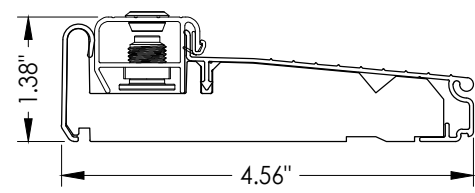
1 INSWING ADJUSTABLE THRESHOLD



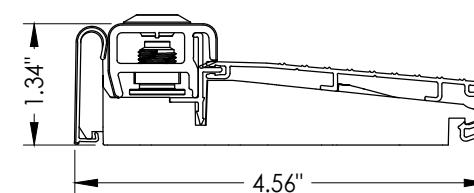
2 INSWING ADJUSTABLE THRESHOLD



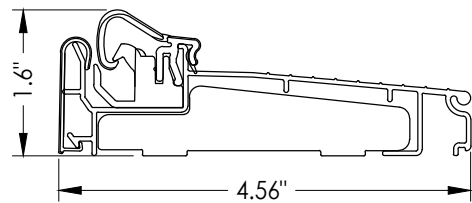
3 INSWING ADJUSTABLE THRESHOLD



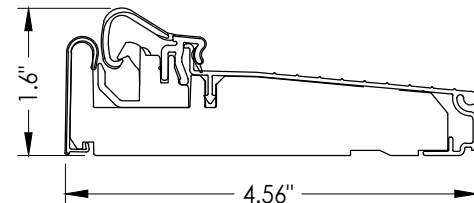
4 INSWING ADJUSTABLE THRESHOLD



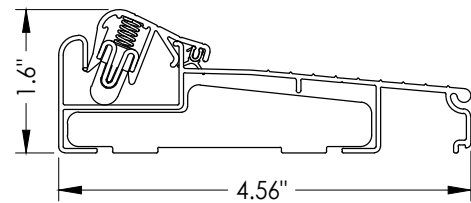
5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS



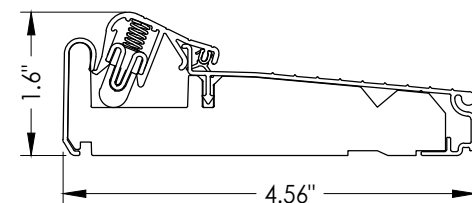
6 INSWING ARTICULATING THRESHOLD



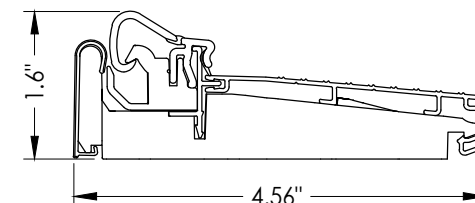
7 INSWING ARTICULATING THRESHOLD
ZAC4565FN



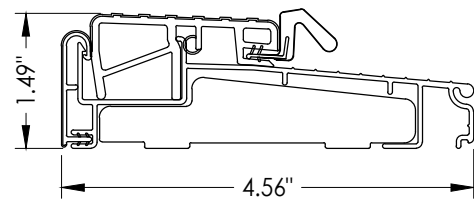
8 INSWING ARTICULATING THRESHOLD



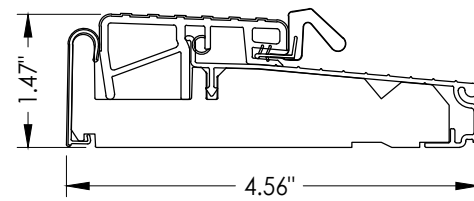
9 INSWING ARTICULATING THRESHOLD
ZACAA4565FN



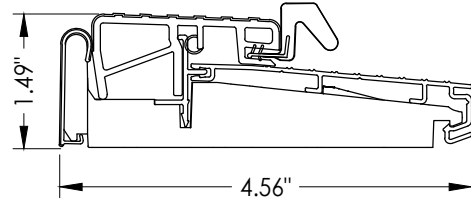
10 INSWING ARTICULATING THRESHOLD
ZAC4565RDS



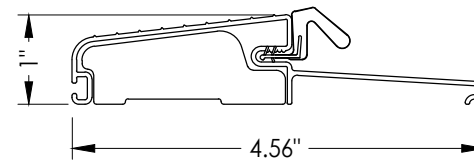
11 **OUTSWING THRESHOLD**
ZOBL4565



12 **OUTSWING THRESHOLD**
ZOB4565FN



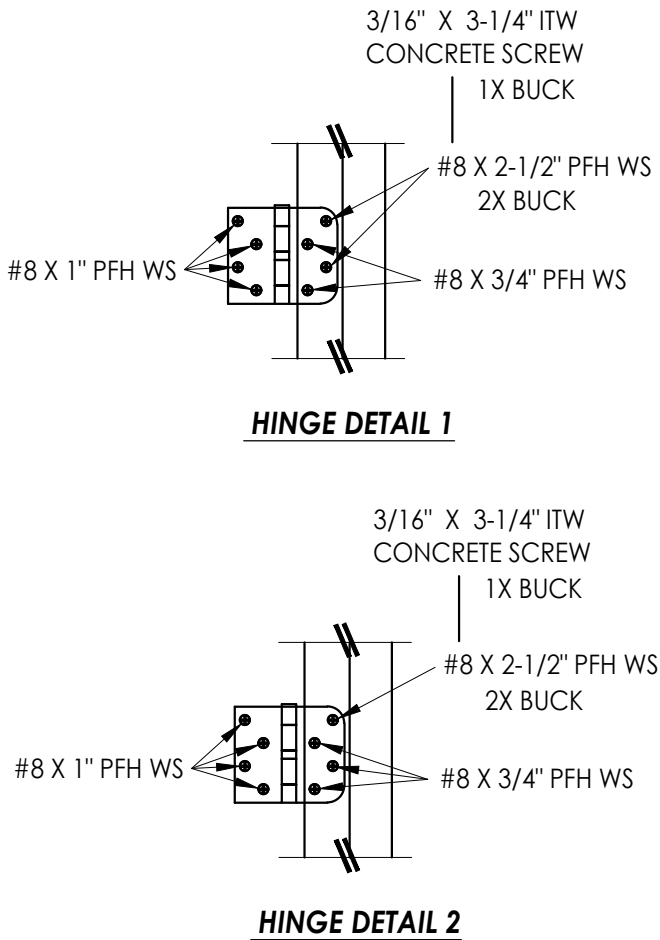
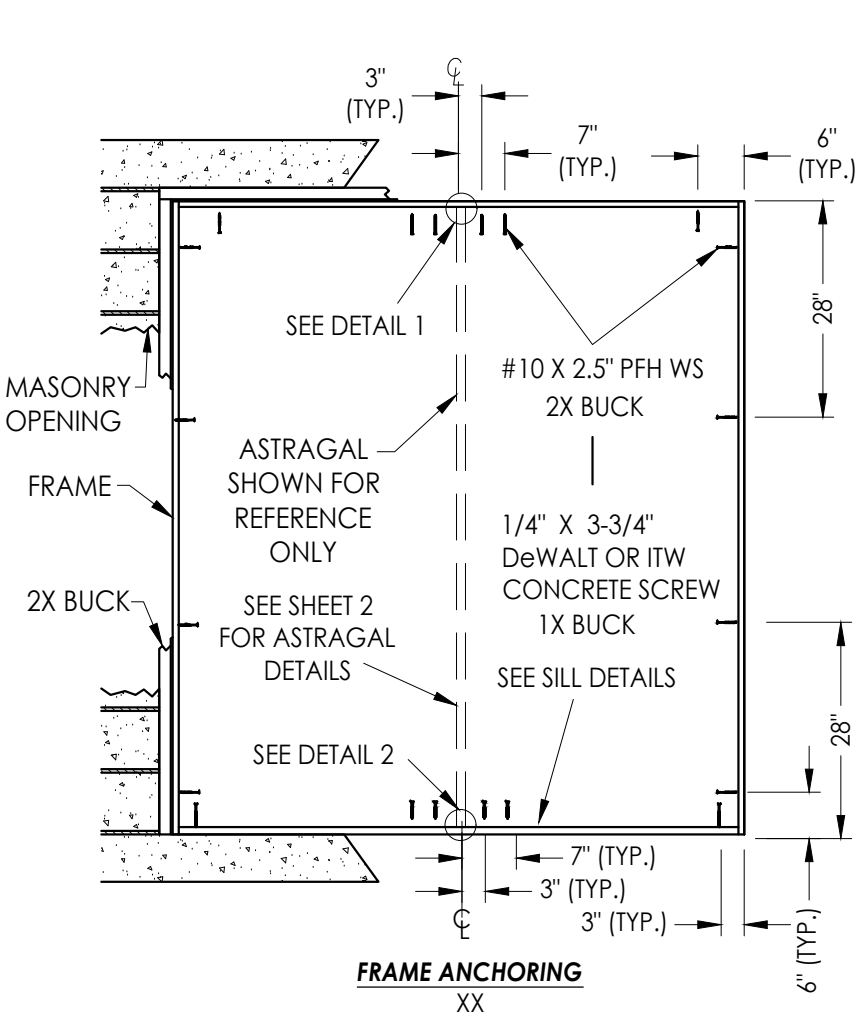
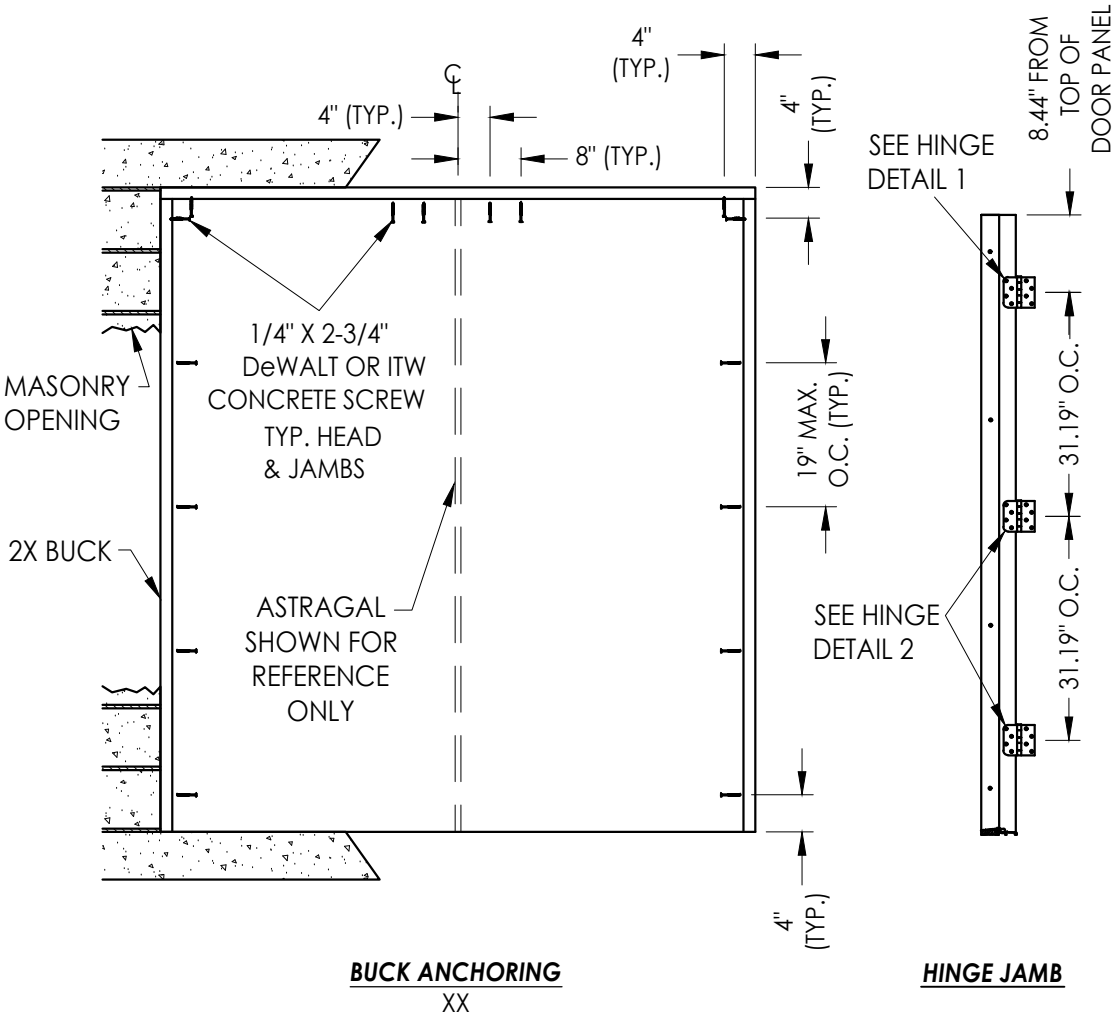
13 OUTSWING THRESHOLD



14 OUTSWING THRESHOLD

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					ENDURA Part or Assembly: THRESHOLD DETAILS									
DATE: 8/30/11 SCALE: N.T.S. DWG. BY: JK CHK. BY: LFS DRAWING NO.: FL-14823.3 SHEET 5 OF 6										8 7/03/26 UPDATE TO 9TH ED. (2026) FBC LFS 7 4/16/24 ADD MODERN ASTRAGAL PROFILE LFS 6 7/07/23 UPDATE TO 8TH ED. (2023) FBC LFS NO. DATE BY				
										REVISIONS				

G:\2023 FBC Drawings 7.1.26\Endura Products\FL-14823 R14\FL-14823.2-4,6-9.dwg



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.

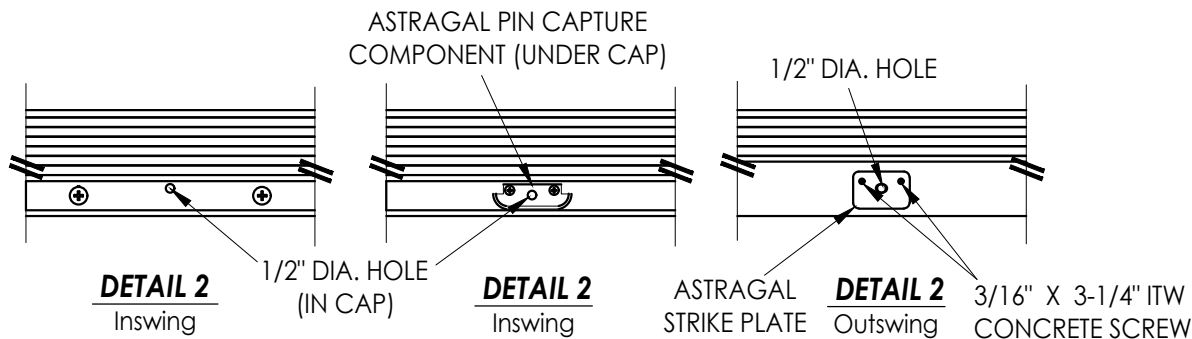
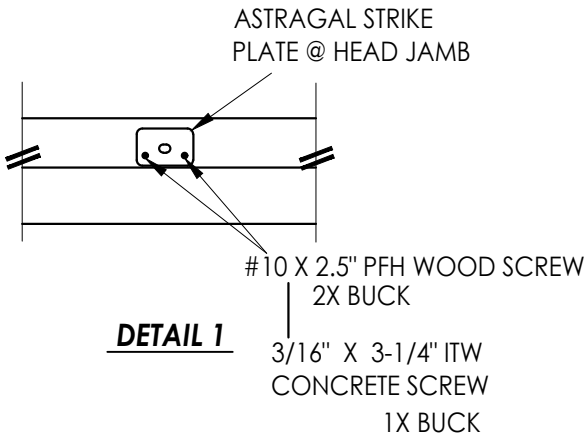
CONCRETE ANCHOR NOTES:

- 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®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.



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

PRODUCT: ENDURA

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS
8	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
7	4/16/24	ADD MODERN ASTRAGAL PROFILE LFS
6	7/07/23	UPDATE TO 8TH ED. (2023) FBC LFS

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14823.3

SHEET 6 OF 6