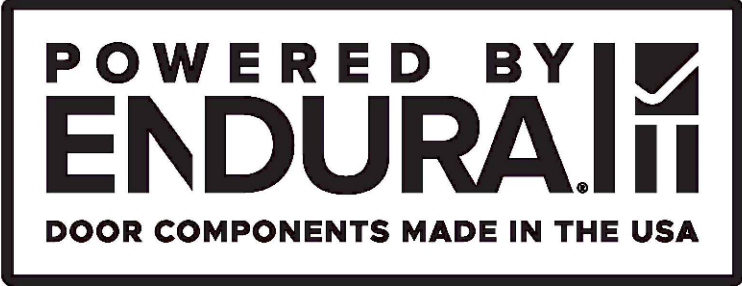


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Ultimate Flip Lever Astragal

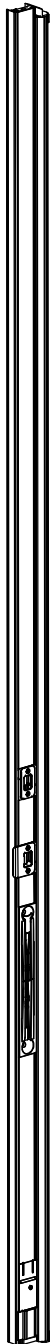
INSWING / OUTSWING

"NON-IMPACT"

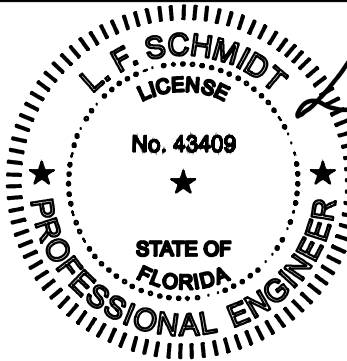
GENERAL NOTES

- 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 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



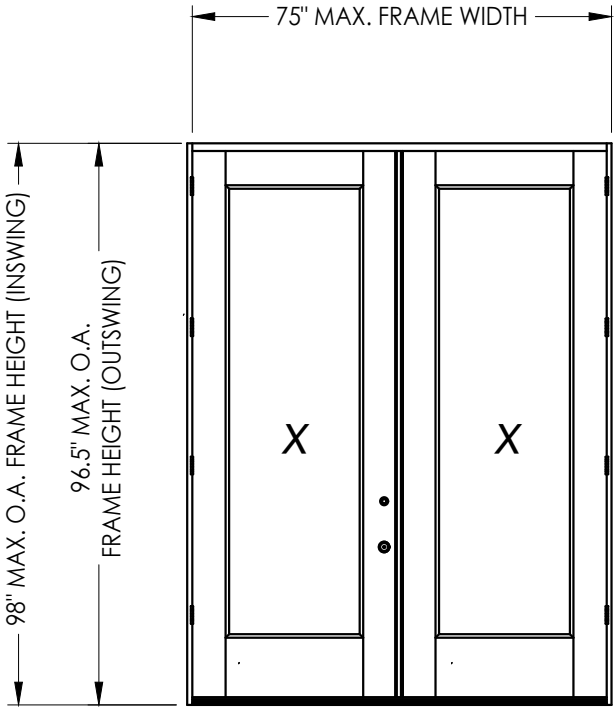
Ultimate Flip Lever Astragal



Digitally signed by Lyndon F Schmidt
Date: 2024.04.17 16:13:39 -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	75" X 98"	+35.0	-40.0
	OUTSWING	75" X 96.5"	+35.0	-35.0

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

ENDURA

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

7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC
5	8/11/20	UPDATE TO 7TH ED. (2020)	FBC
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE		BY

REVISIONS

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

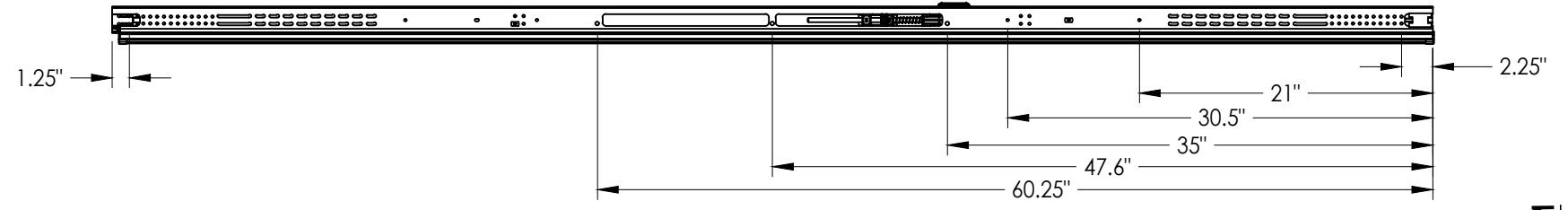
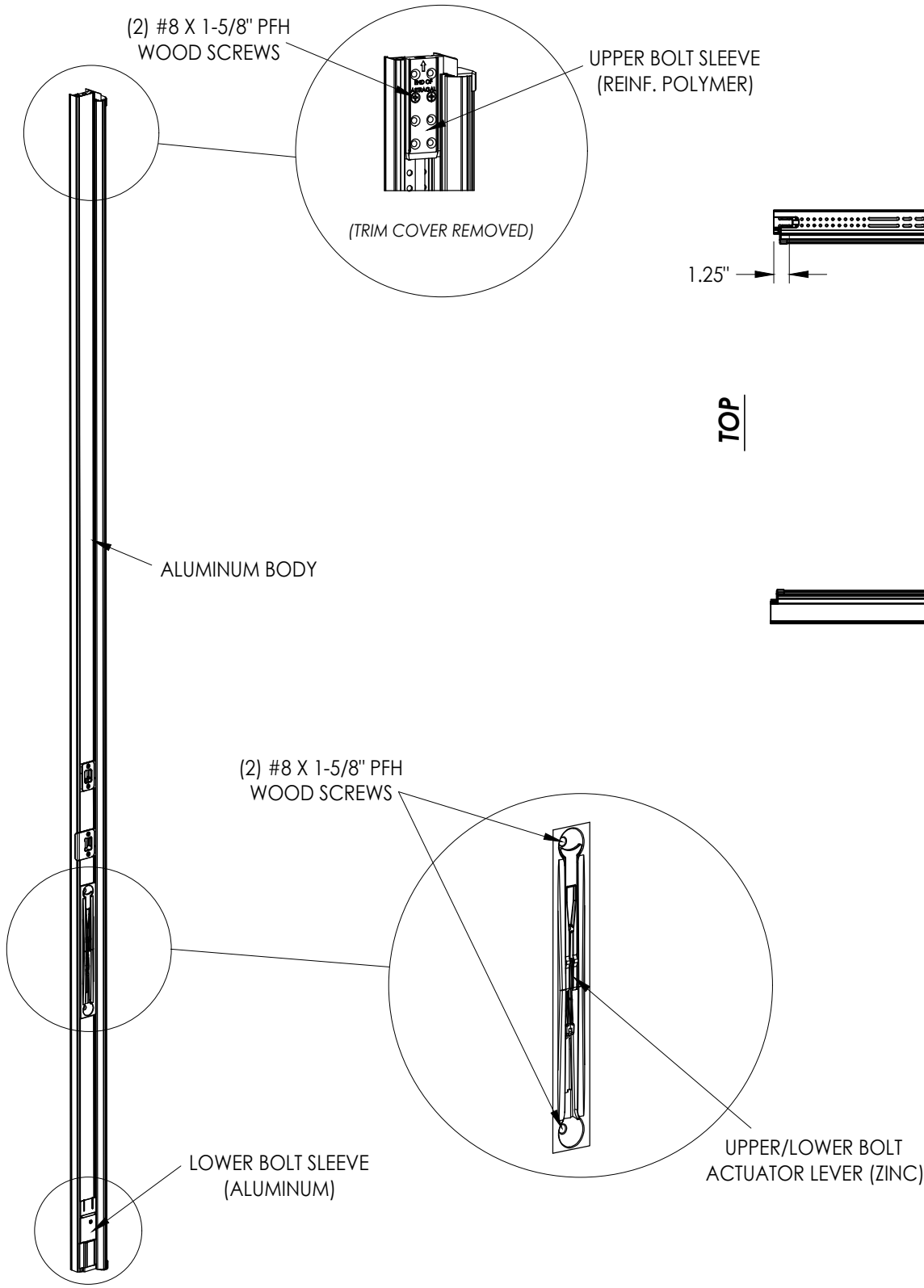
DRAWING NO.: FL-14823.12

SHEET 1 OF 6

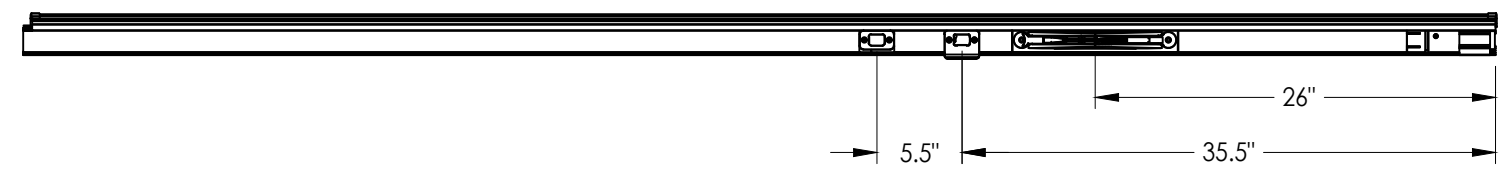
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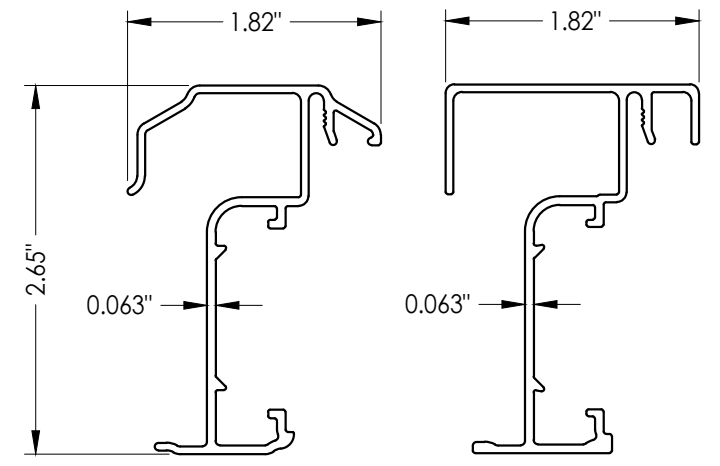
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ANCHOR SCREW LOCATIONS



HARDWARE LOCATIONS

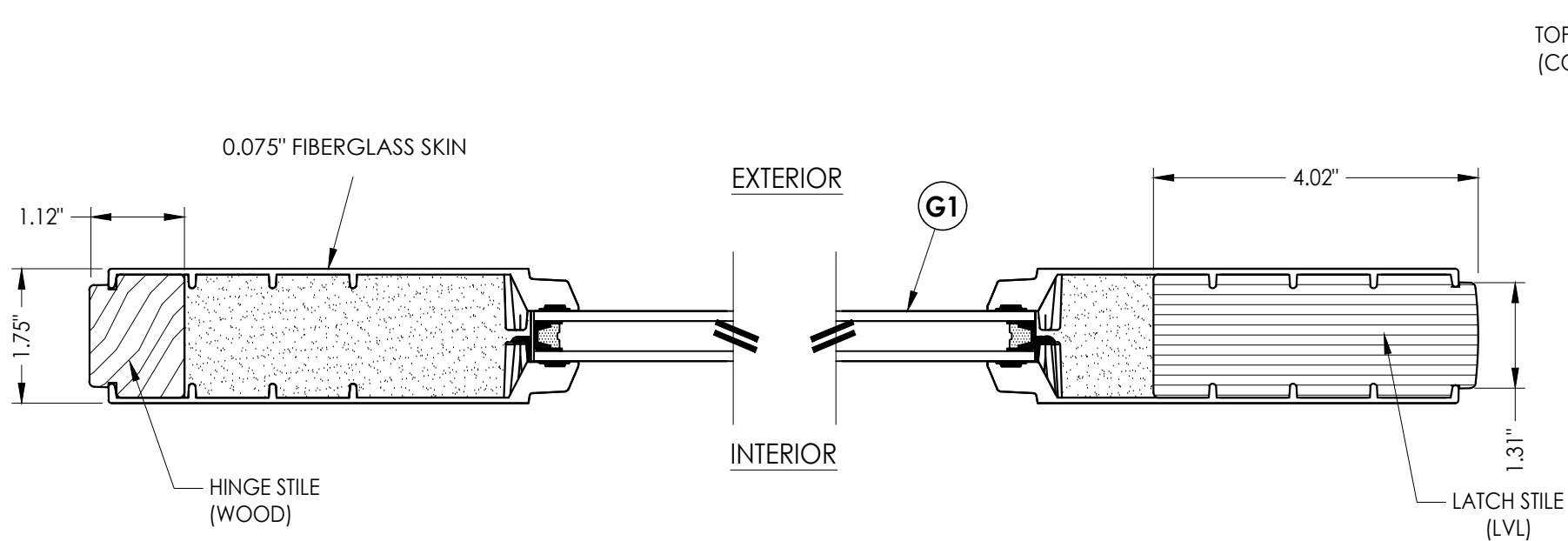
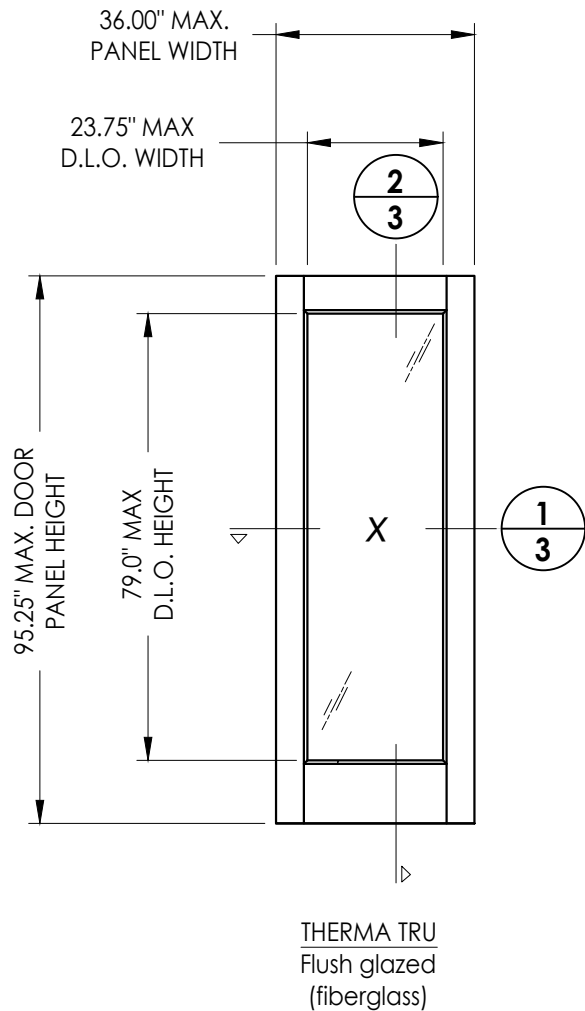


"TRADITIONAL" PROFILE "MODERN" PROFILE

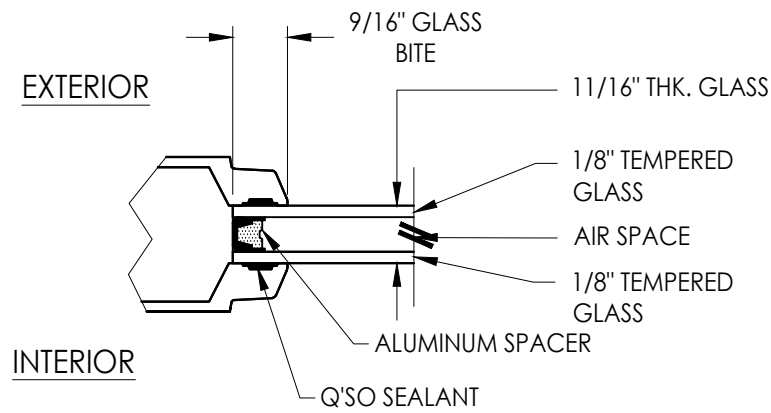
ASTRAGAL SECTIONS

ULTIMATE FLIP LEVER ASTRAGAL

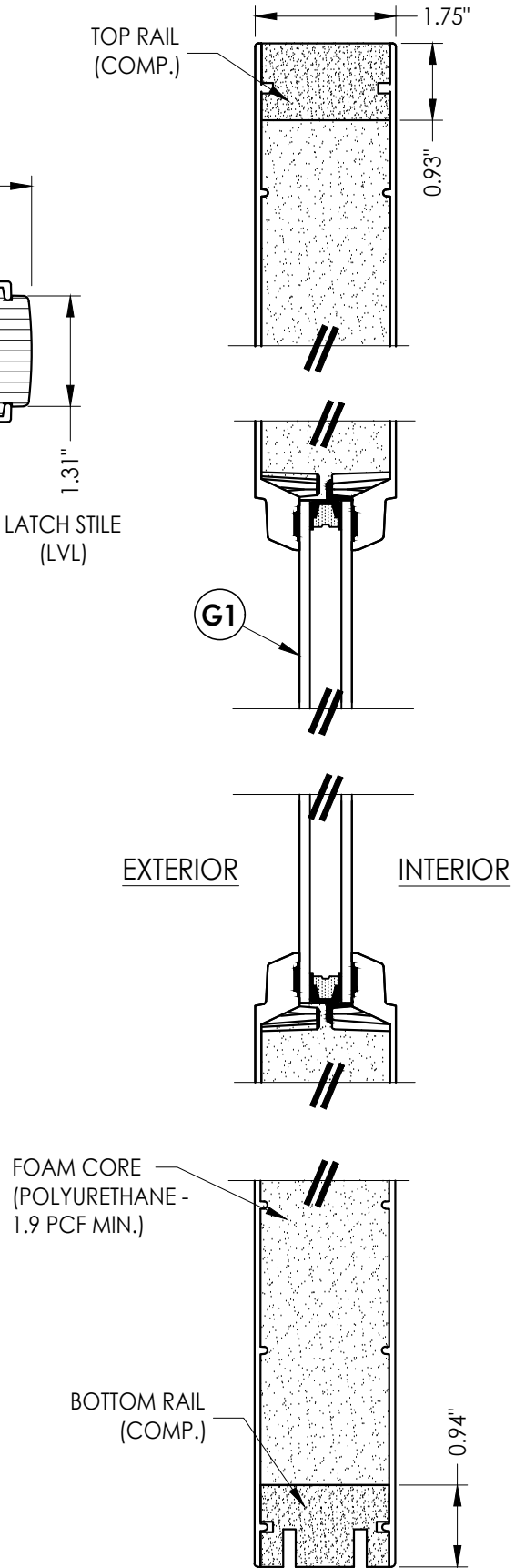
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PRODUCT: ENDURA		PART OR ASSEMBLY: ASTRAGAL DETAILS	
		REVISIONS	
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC
5	8/11/20	UPDATE TO 7TH ED. (2020)	FBC
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE		BY
DATE: 8/30/11			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14823.12			
SHEET 2 OF 6			



1
3 HORIZONTAL CROSS SECTION



G1 GLAZING DETAIL
Flush Glazing



2
3 VERTICAL CROSS SECTION

NO.	DATE	REVISIONS	
		BY	
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC
5	8/11/20	UPDATE TO 7TH ED. (2020)	FBC
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC

DATE:	8/30/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14823.12
SHEET	3 OF 6

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

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

1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW

1/4" MAX. SHIM SPACE

#10 X 2.5" PFH WOOD SCREW

JAMB (SG=> 0.42))

WEATHERSTRIP

#10 X 3/4" PFH SMS

EXTERIOR

1-1/4" MIN. EMB. (TYP.)

2X BUCK (SG >= 0.55)

#9 X 3/4" PFH SMS

4" HINGE

#9 X 2-1/2" PFH WOOD SCREW

DOOR PANEL

INTERIOR

The diagram shows a front view of a double door assembly. The left door is labeled with a large 'X' and the right door is labeled with a large 'X'. The assembly includes a central vertical mullion and two side mullions. Callouts with circular dimension markers point to various components and dimensions:

- 1/4**: Points to the top of the left door frame.
- 2/4**: Points to the left side of the left door frame.
- 3/4**: Points to the top of the left door panel.
- 4/4**: Points to the top of the right door panel.
- 4/4**: Points to the right side of the right door frame.
- 1/5**: Points to the bottom of the left door frame.
- 2/5**: Points to the bottom of the left door panel.
- 3/5**: Points to the bottom of the right door panel.
- 4/5**: Points to the bottom of the right door frame.
- DEAD**: Points to the top of the central mullion.
- KNOB**: Points to the bottom of the central mullion.

ULTIMATE FLIP LEVER ASTRAGAL

WEATHERSTRIP

DOOR PANEL

#8 X 3" PFH WS

#8 X 1" PFH WS

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P.E. No. 43409

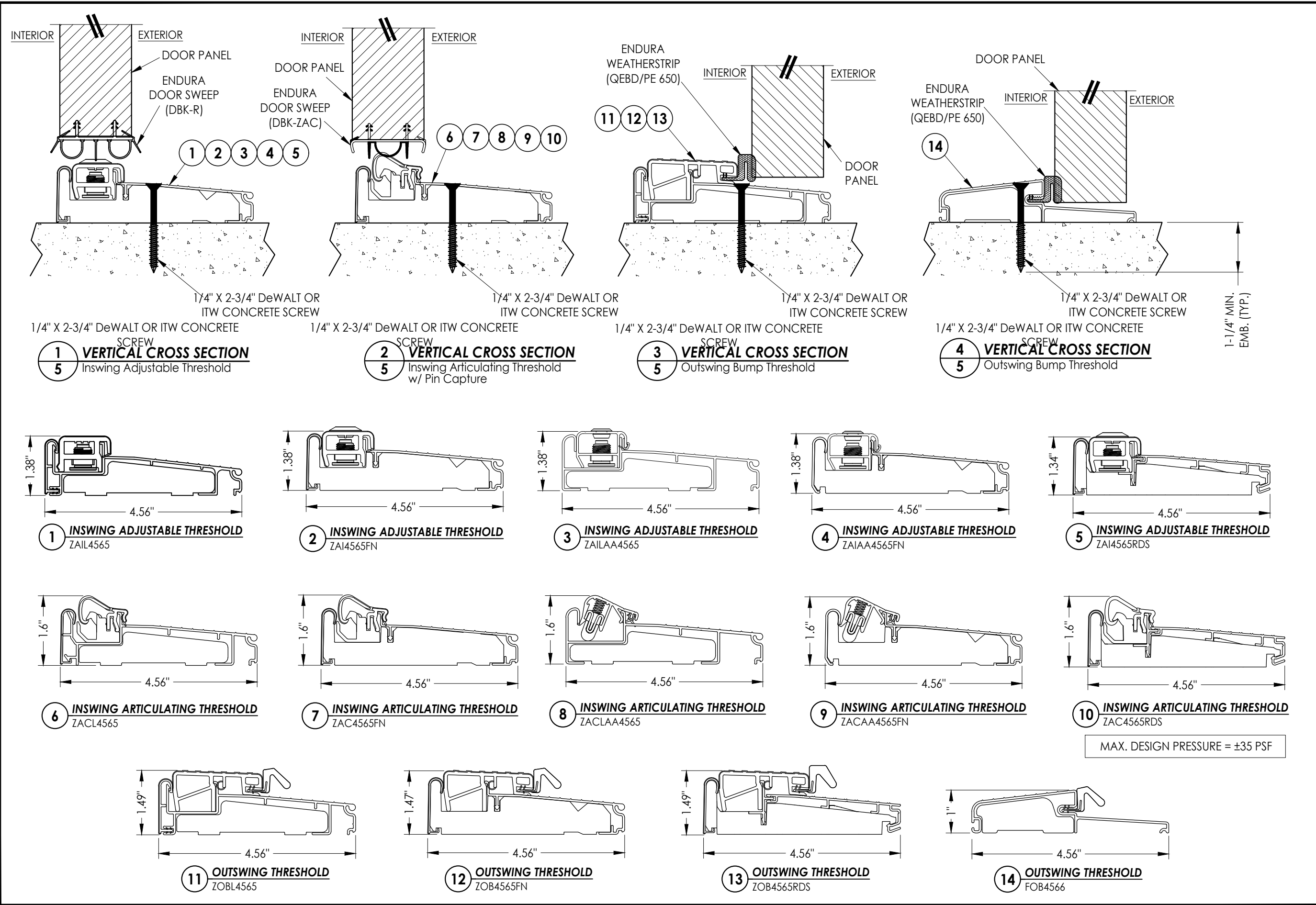
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PRODUCT:	ENDURA
PART OR ASSEMBLY:	HORIZONTAL AND VERTICAL CROSS SECTIONS

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SHEET 4 OF 6

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PRODUCT: ENDURA		PART OR ASSEMBLY: THRESHOLD DETAILS	
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC
5	8/11/20	UPDATE TO 7TH ED. (2020)	LFS
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE		BY
REVISIONS			
DATE: 8/30/11			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14823.12			
SHEET 5 OF 6			

