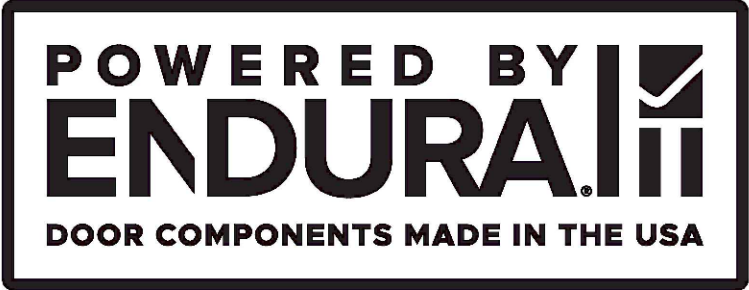


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Ultimate Flip Lever Astragal

INSWING / OUTSWING

"NON-IMPACT"

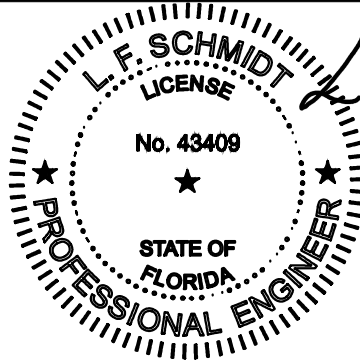
GENERAL NOTES

- 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



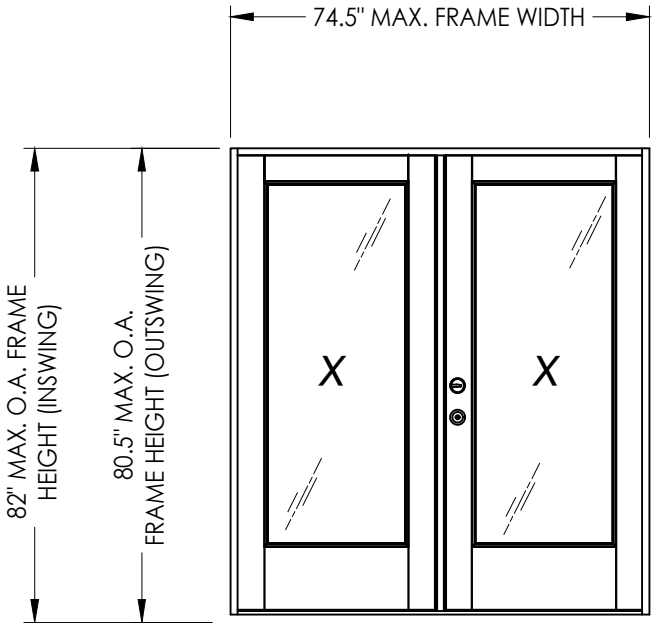
Ultimate Flip Lever Astragal



Digitally signed by Lyndon F Schmidt
Date: 2024.04.17 16:07:31 -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
PLASTPRO Insert Glazed (FIBERGLASS)	INSWING	74.5" X 82"	+40.0	-40.0
	OUTSWING	74.5" X 80.5"	+40.0	-40.0

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	LFS
5	8/11/20	UPDATE TO 7TH ED. (2020) FBC	LFS
4	9/27/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE		BY

REVISIONS

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

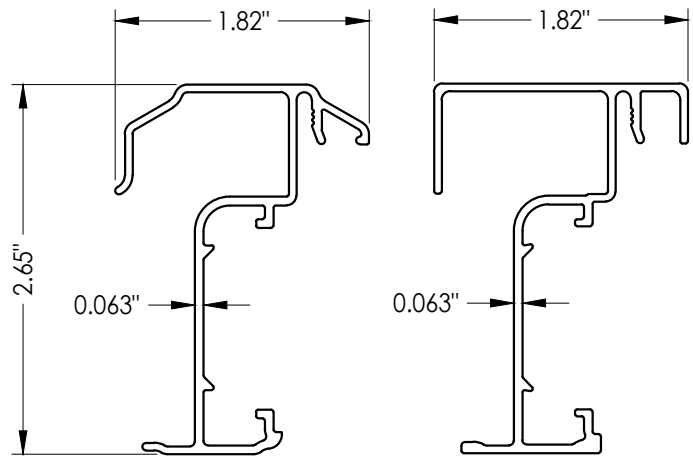
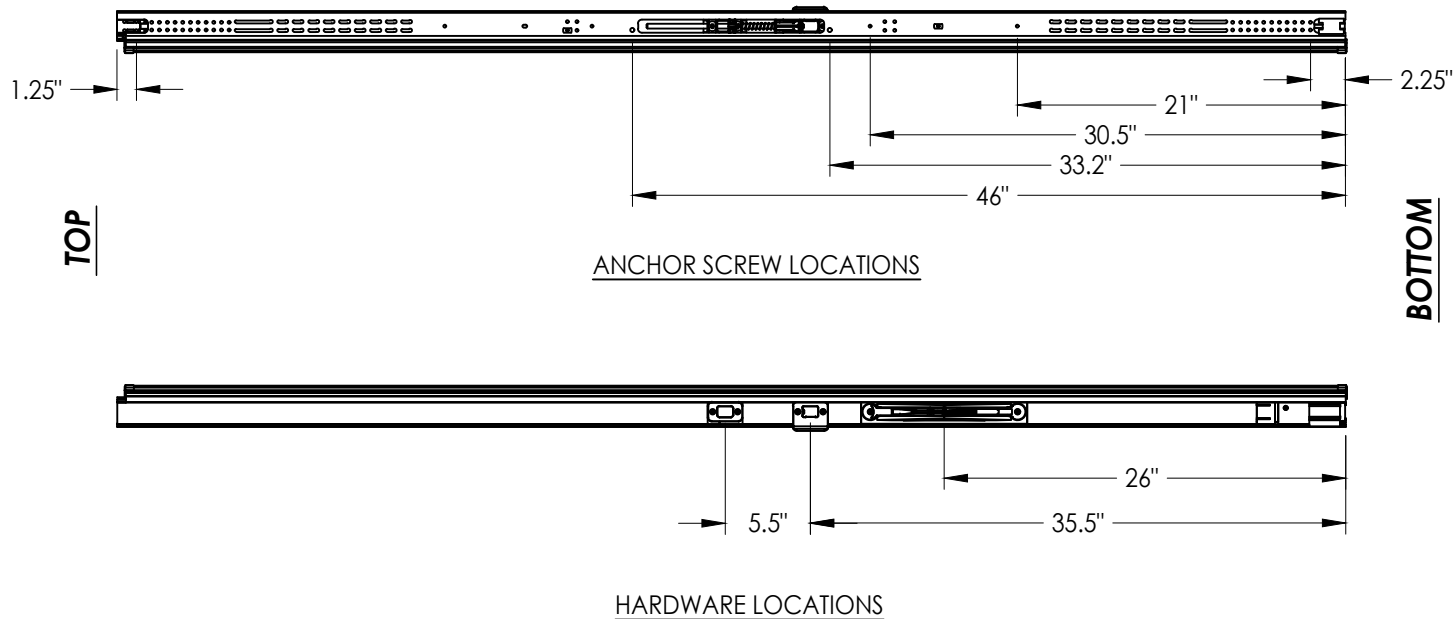
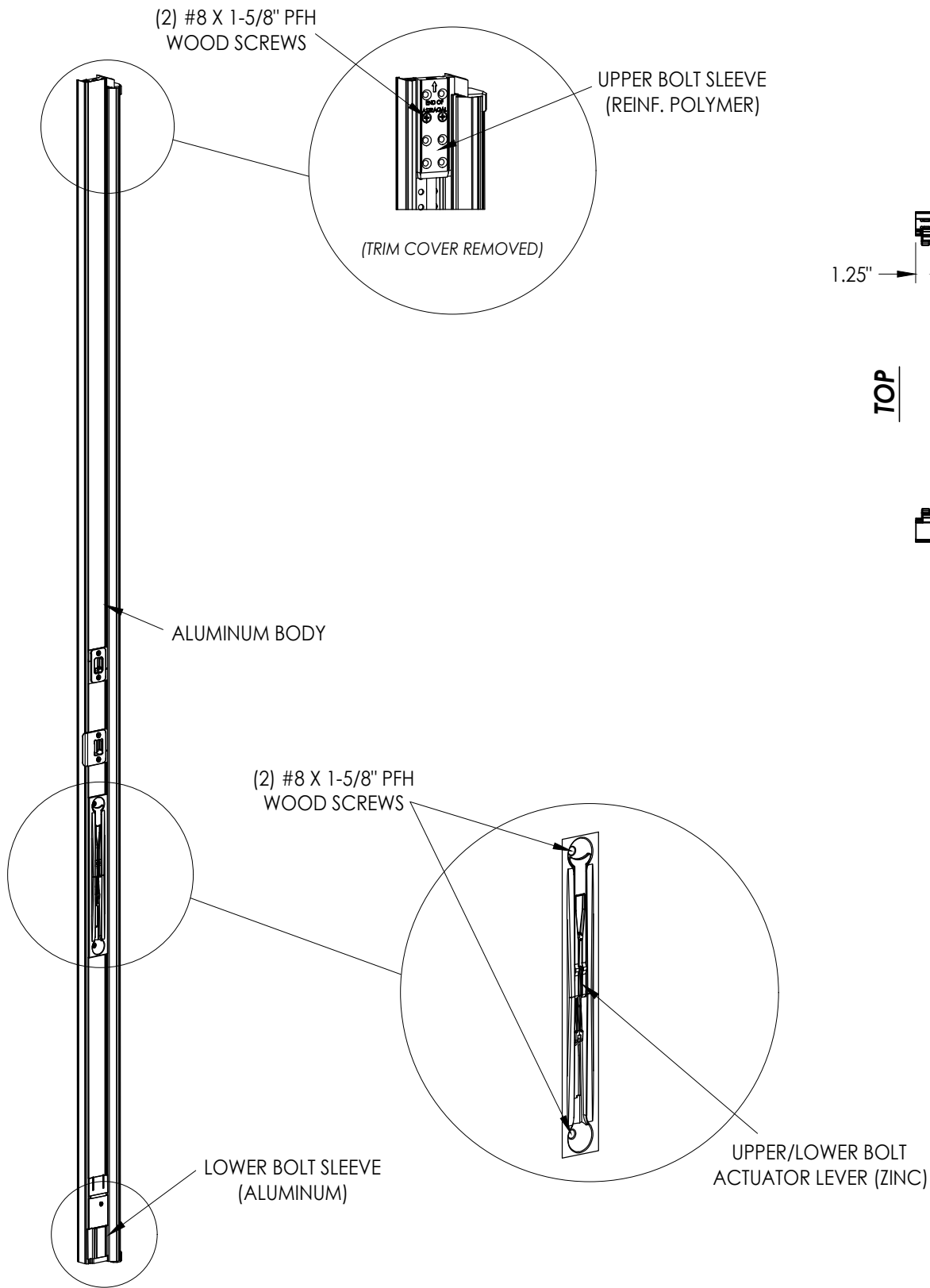
DRAWING NO.: FL-14823.2

SHEET 1 OF 6

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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ULTIMATE FLIP LEVER ASTRAGAL

ASTRAGAL SECTIONS

PRODUCT:		ENDURA	
PART OR ASSEMBLY:		ASTRAGAL DETAILS	
REVISIONS			
NO.	DATE	DESCRIPTION	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

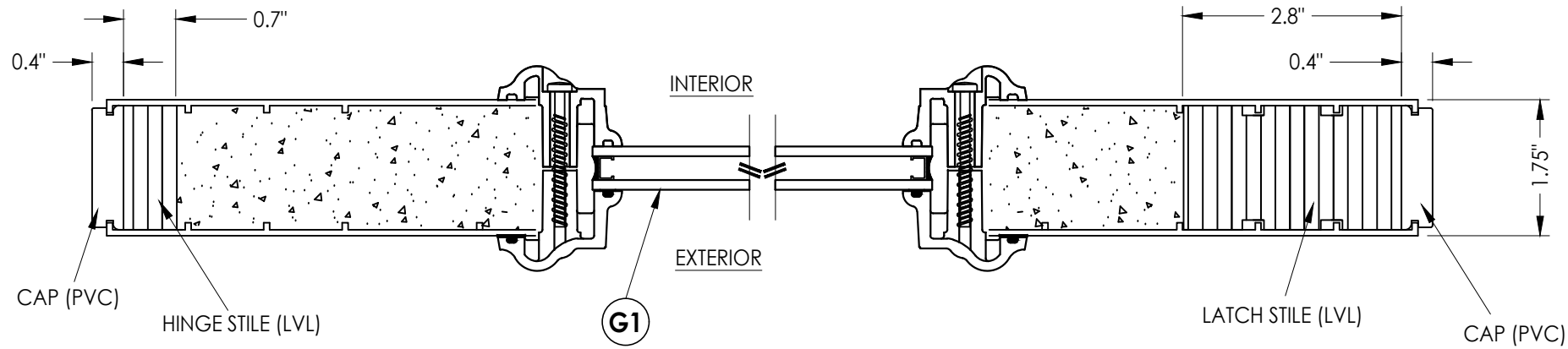
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SHEET 2 OF 6

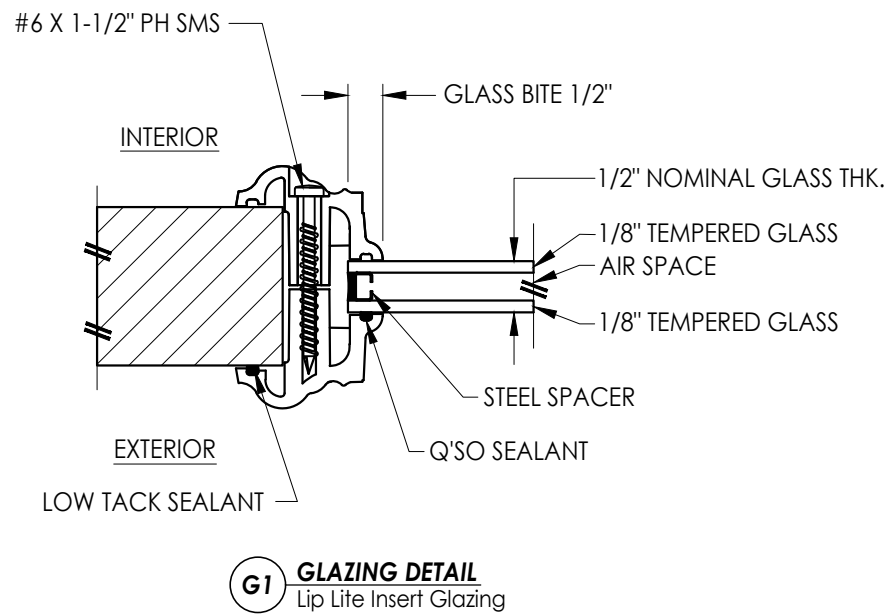
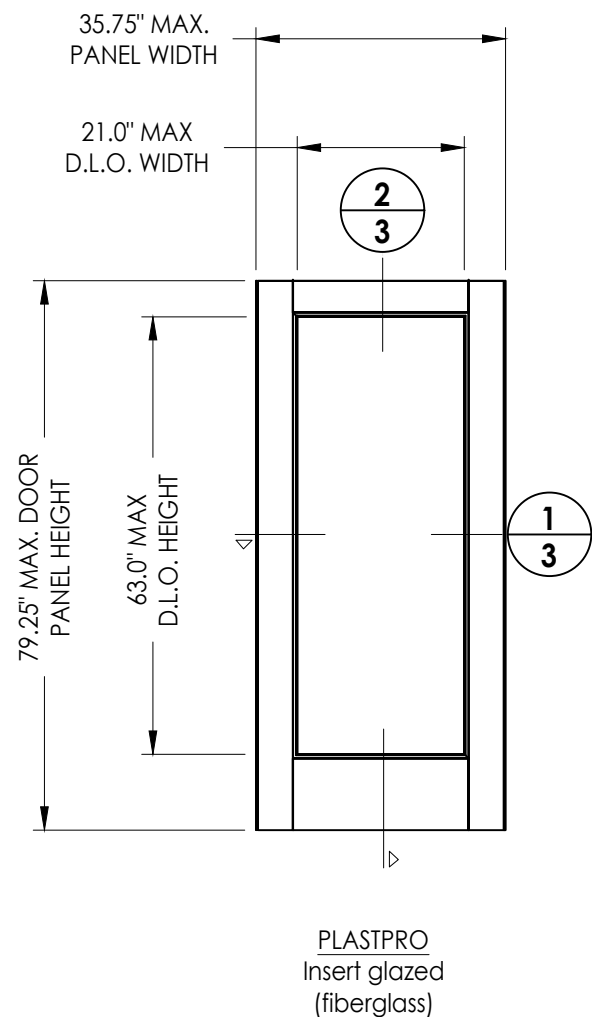
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

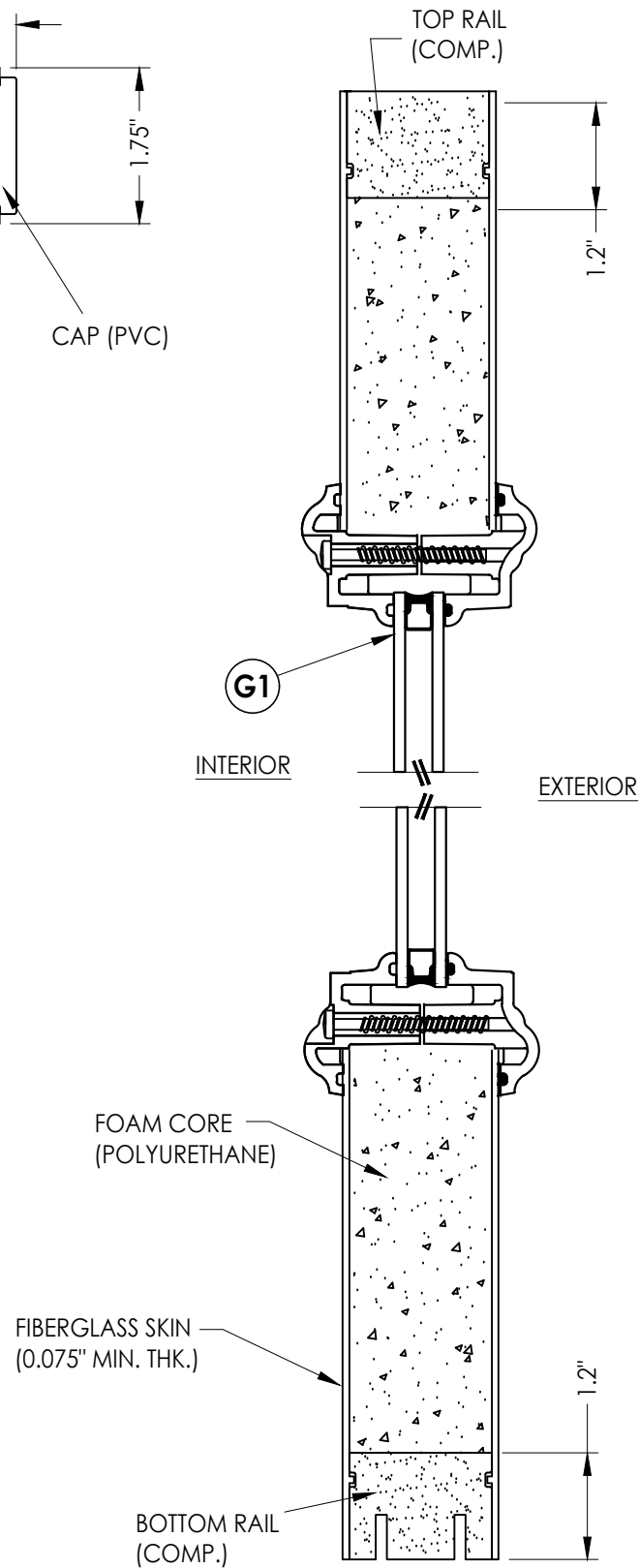
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1
3 HORIZONTAL CROSS SECTION



G1 GLAZING DETAIL
Lip Lite Insert Glazing



2
3 VERTICAL CROSS SECTION

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

DATE: 8/30/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14823.2
SHEET 3 OF 6

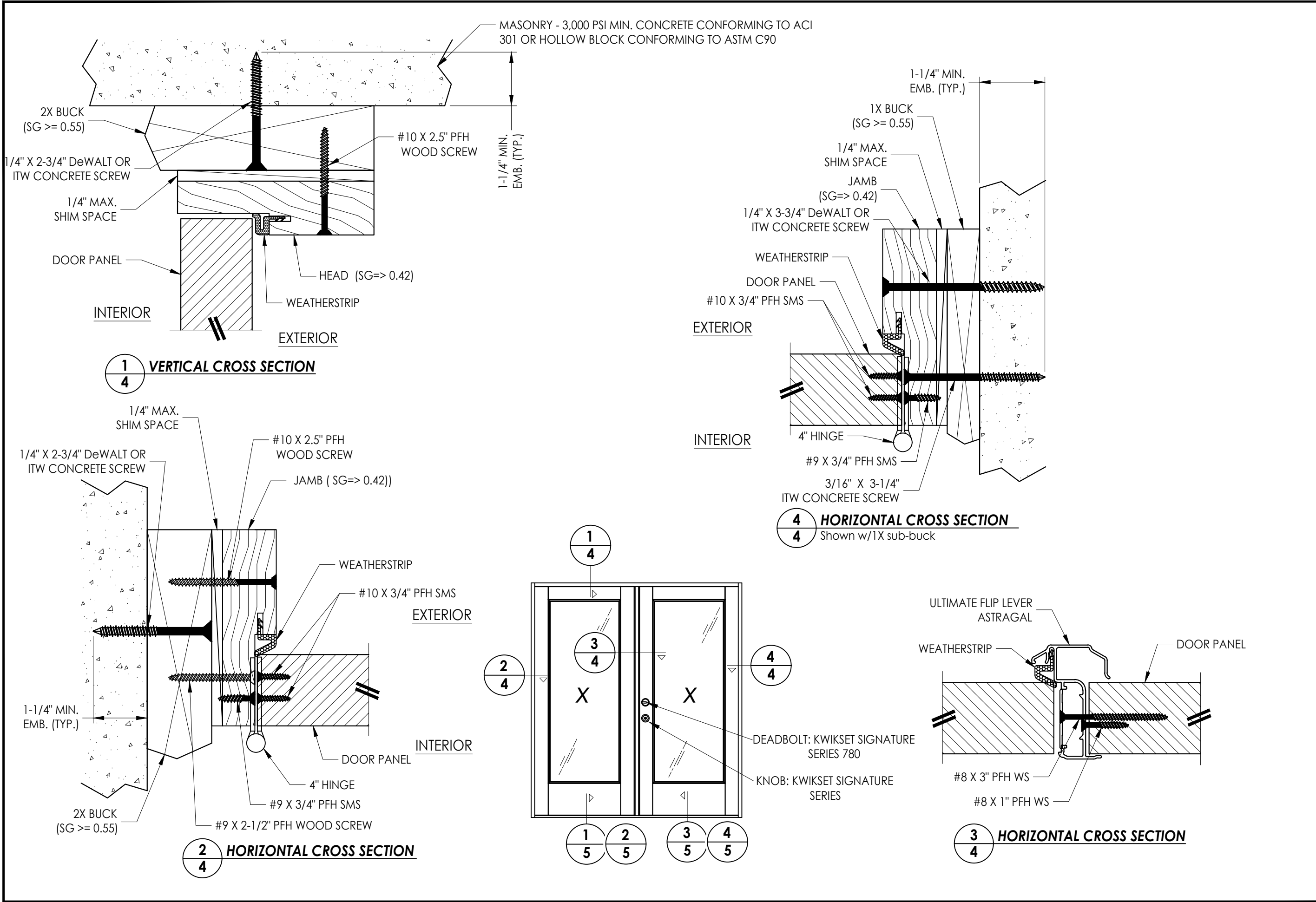
PRODUCT: ENDURA

PART OR ASSEMBLY:
DOOR PANEL DETAILS
& GLAZING DETAIL

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

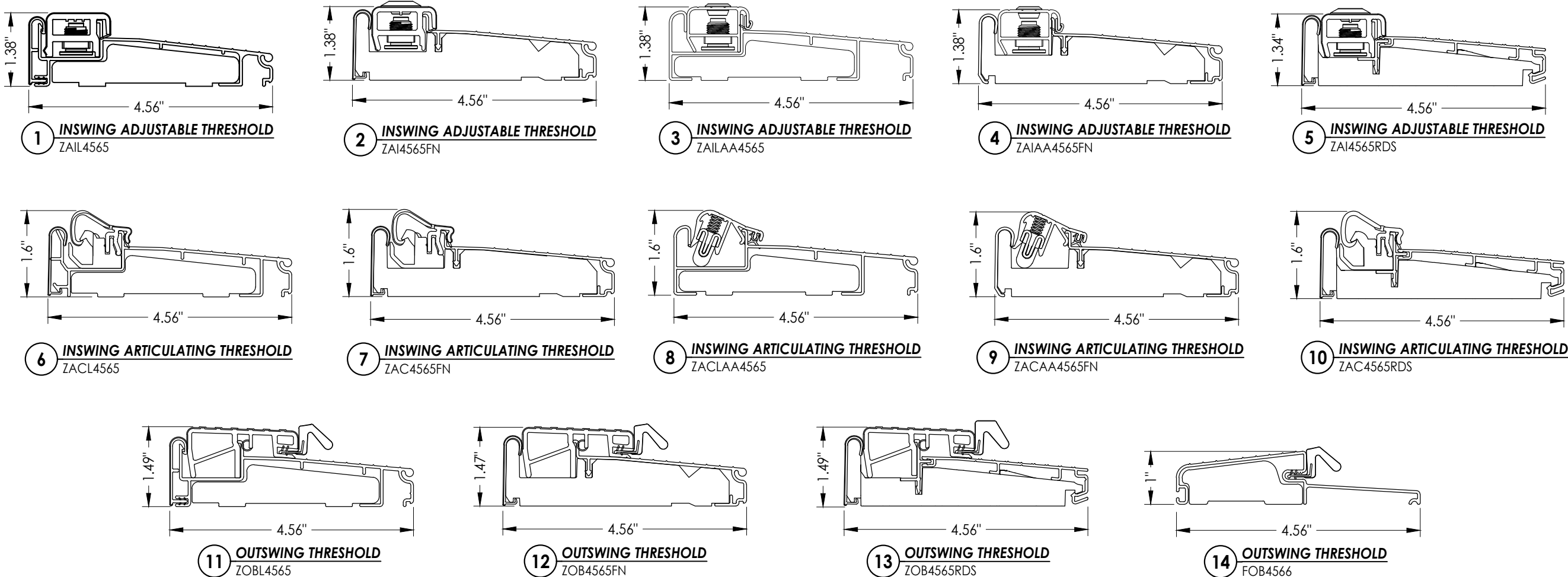
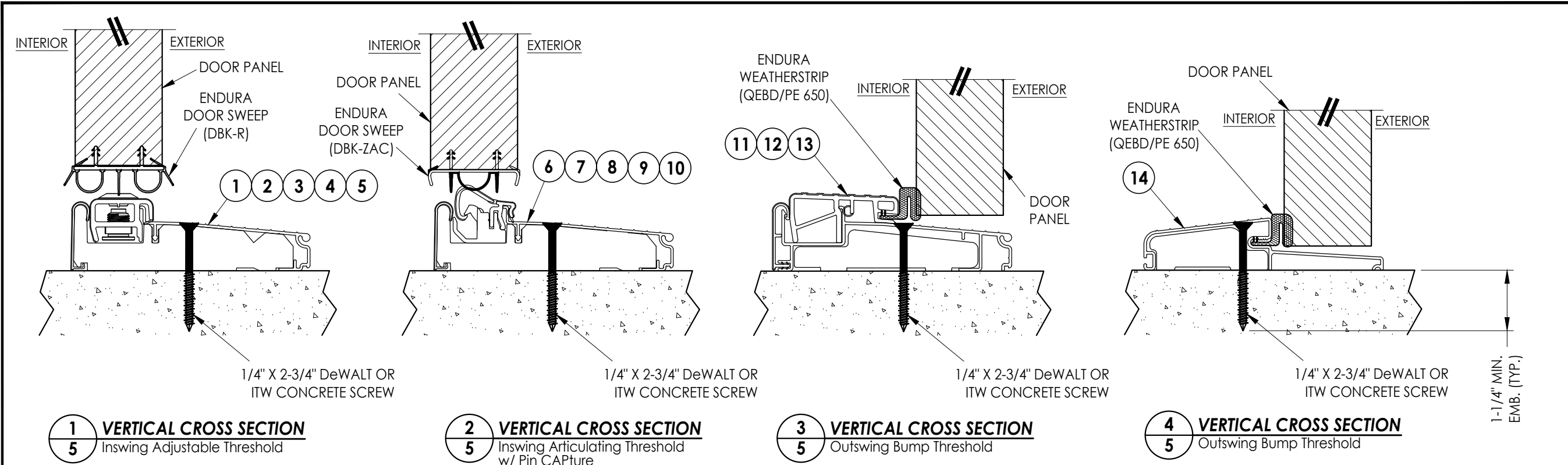
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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		
PRODUCT: ENDURA			PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS		
7	4/16/24	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				
REVISIONS					
DATE: 8/30/11					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-14823.2					
SHEET 4 OF 6					

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

ENDURA

**THRESHOLD
DETAILS**

PRODUCT:
ENDURA

7

4/16/24

ADD MODERN ASTRAGAL PROFILE

LFS

6

7/07/23

UPDATE TO 8TH ED. (2023) FBC

LFS

5

8/11/20

UPDATE TO 7TH ED. (2020) FBC

LFS

4

9/27/17

UPDATE TO 6TH ED. (2017) FBC

LFS

NO.

DATE

REVISIONS

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14823.2

SHEET 5 OF 6

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