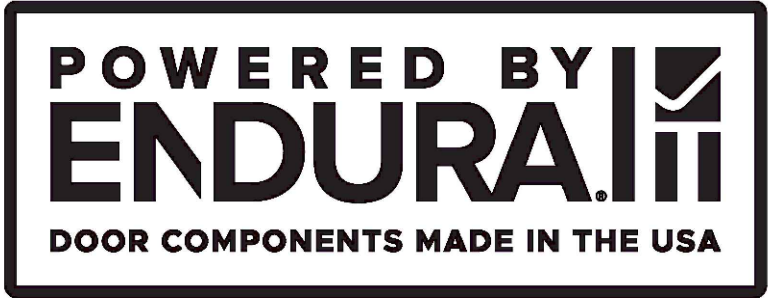


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Ultimate Trilennium Astragal
INSWING / OUTSWING
"NON-IMPACT"

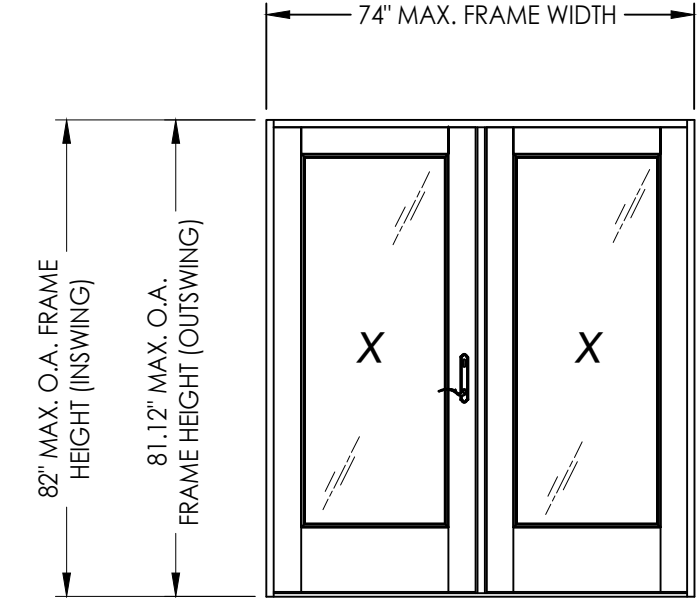
GENERAL NOTES

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.

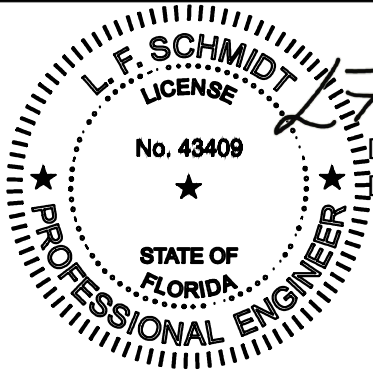
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Astragal details (Ultimate Trilennium)
3	Door panel details and glazing detail
4	Horizontal & vertical cross sections
5	Vertical cross sections
6	Buck and frame anchoring



Ultimate Trilennium Astragal



ULTIMATE TRILENNIUM ASTRAGAL by ENDURA				
MAXIMUM FRAME SIZE			DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
PLASTPRO Flush Glazed (FIBERGLASS)	INSWING	74" X 82"	+55.0	-55.0
	OUTSWING	74" X 81.12"	+60.0	-60.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.19 11:40:36 -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

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:
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	PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
5	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
NO.	DATE			BY
REVISIONS				

DATE: 1/20/14

SCALE: N.T.S.

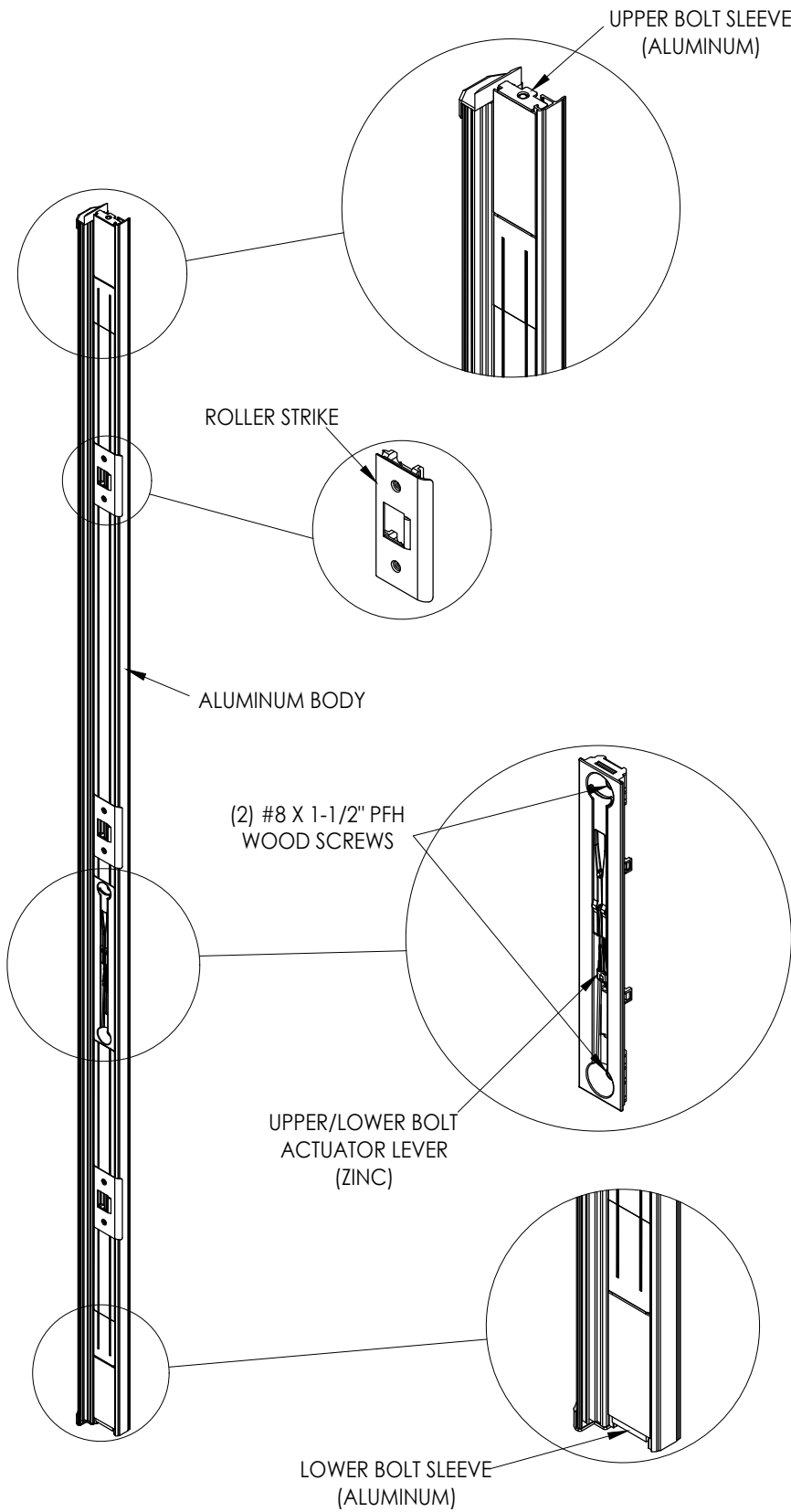
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CHK. BY: LFS

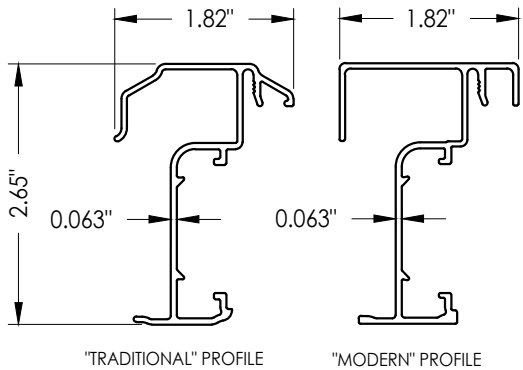
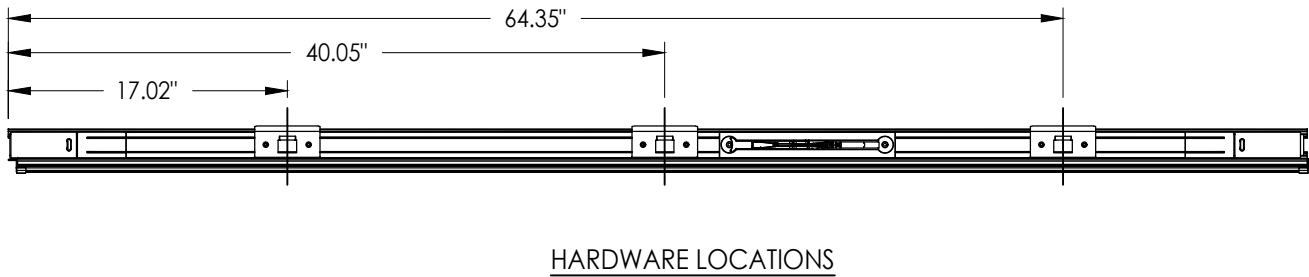
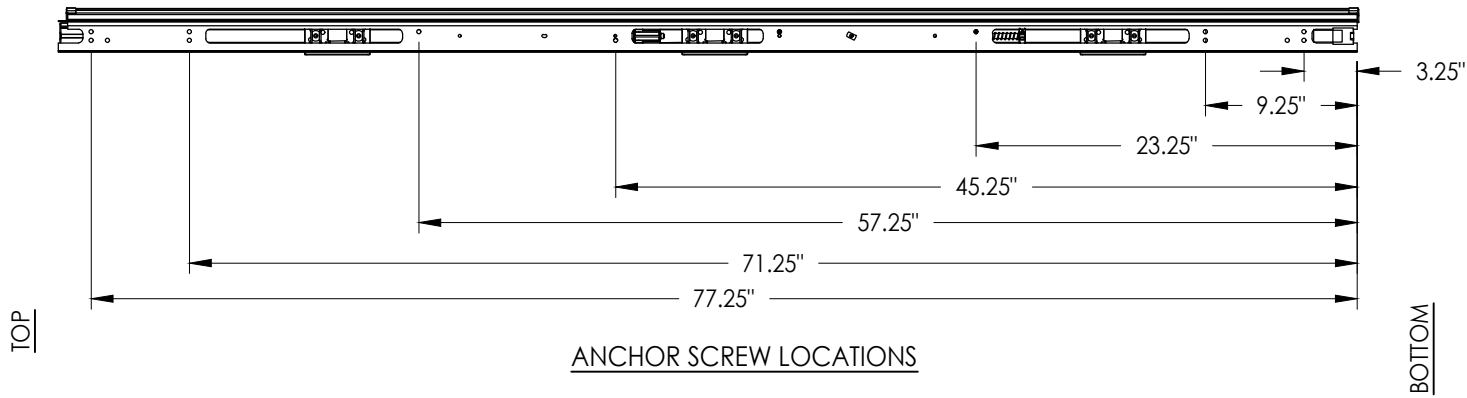
DRAWING NO.: FL-14823.19

SHEET 1 OF 6

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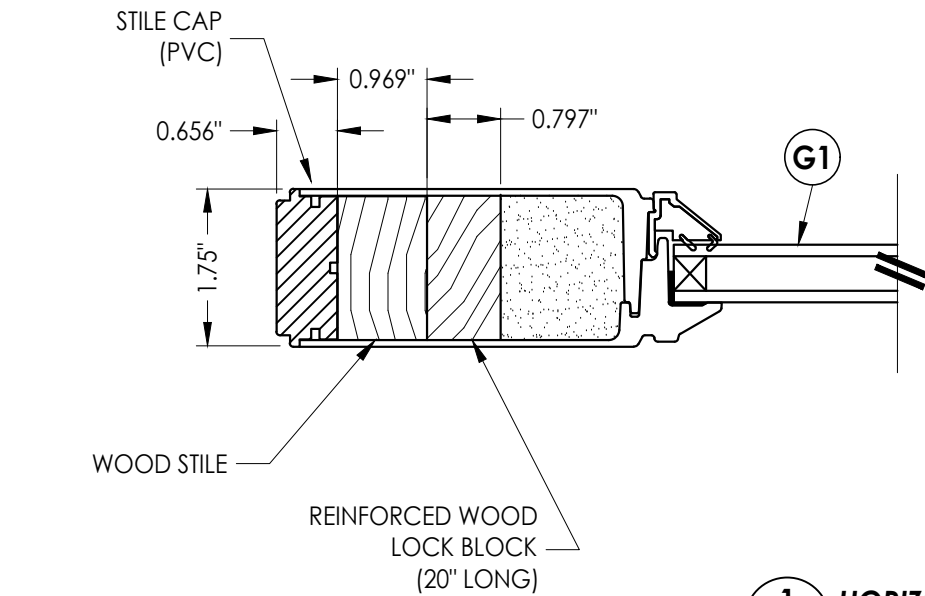
ULTIMATE TRILENNIUM ASTRAGAL



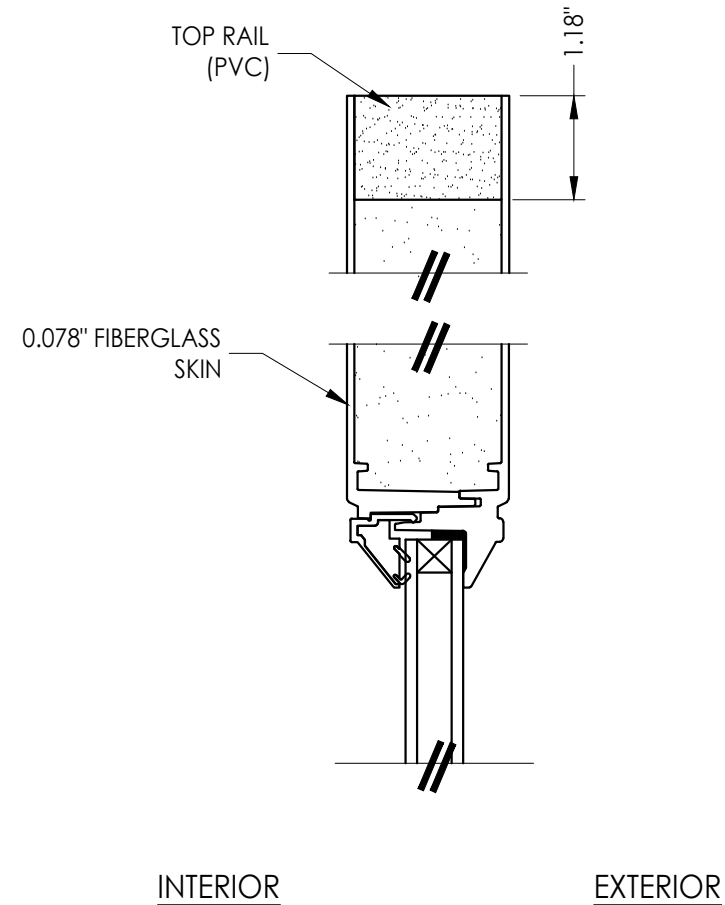
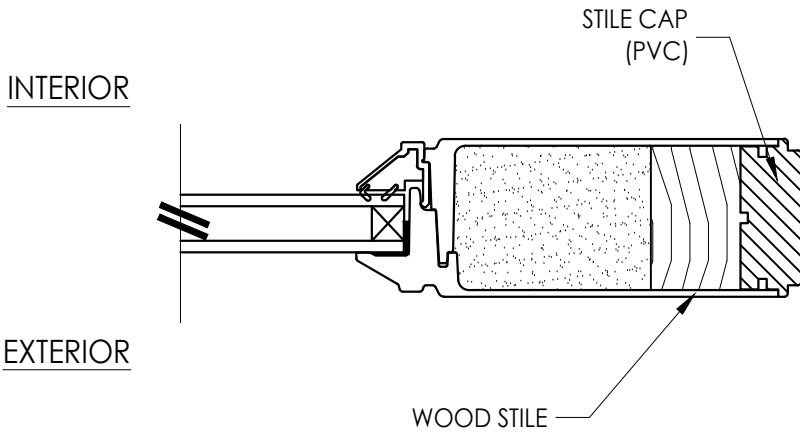
ASTRAGAL SECTIONS

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: ASTRAGAL DETAILS (ULTIMATE TRILENNIUM)	
8	7/03/26	UPDATE TO 9TH ED. (2026)	FBC LFS
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	FBC LFS
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC LFS
5	8/11/20	UPDATE TO 7TH ED. (2020)	FBC LFS
NO.	DATE		BY
REVISIONS			
DATE: 1/20/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14823.19			
SHEET 2 OF 6			

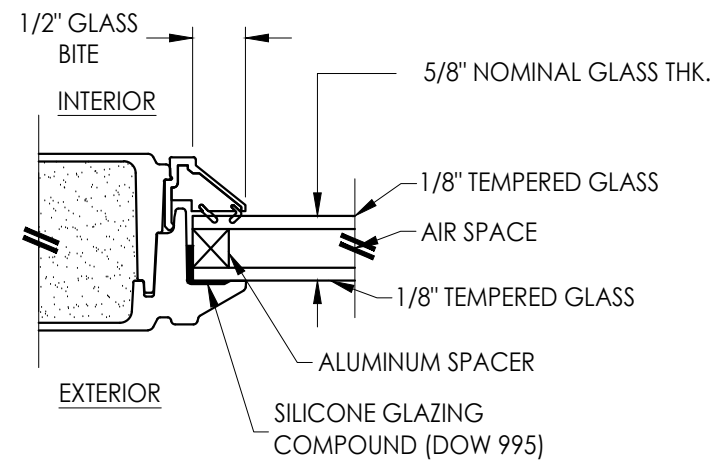
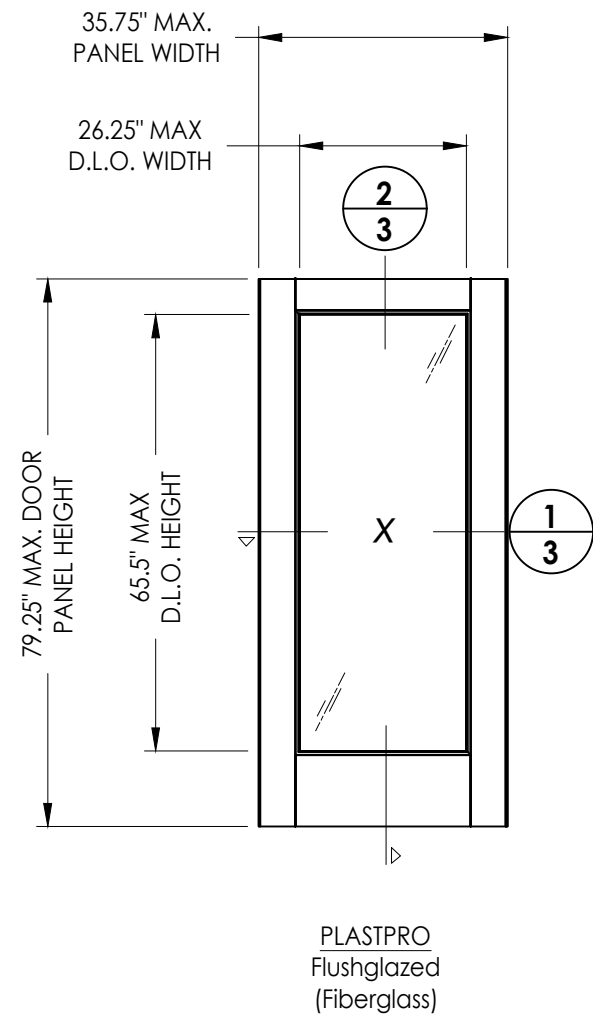
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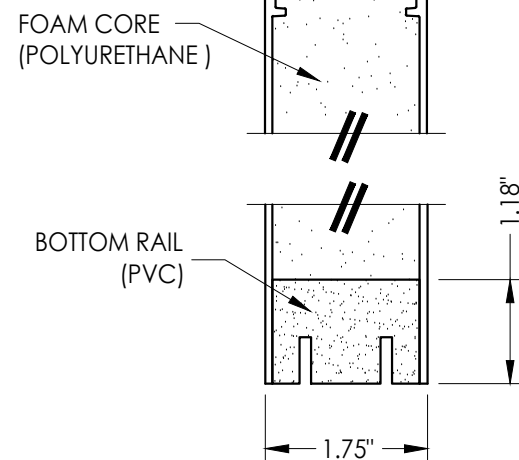
1
3 HORIZONTAL CROSS SECTION



2
3 VERTICAL CROSS SECTION



G1 GLAZING DETAIL
Flush Glazing



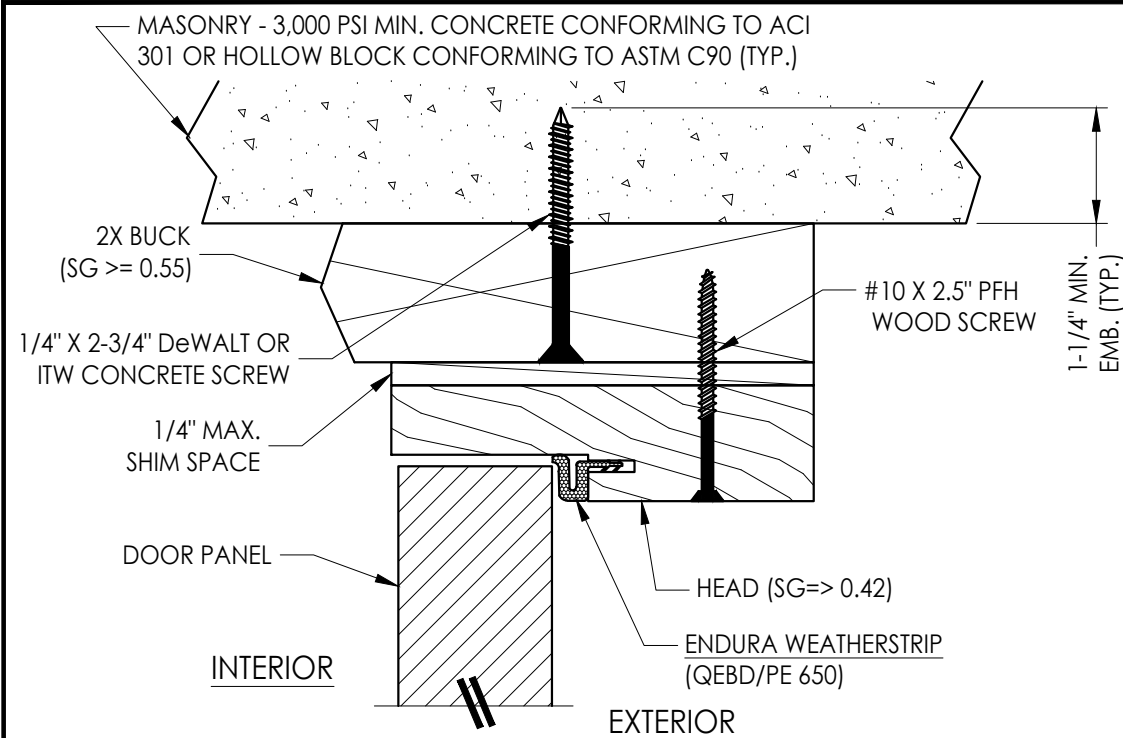
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

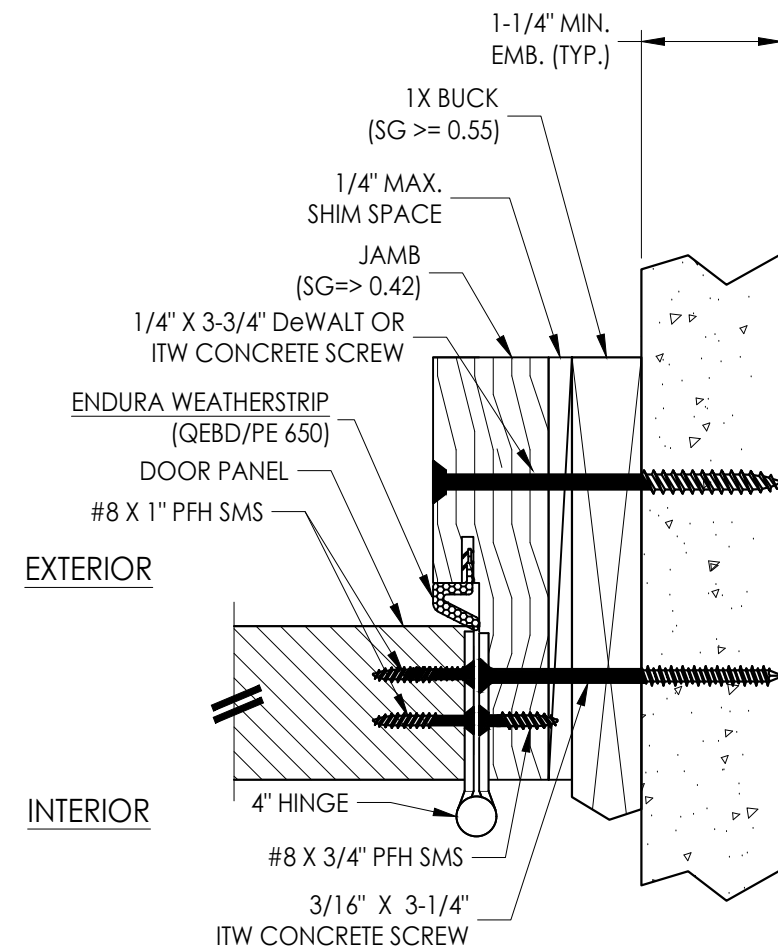
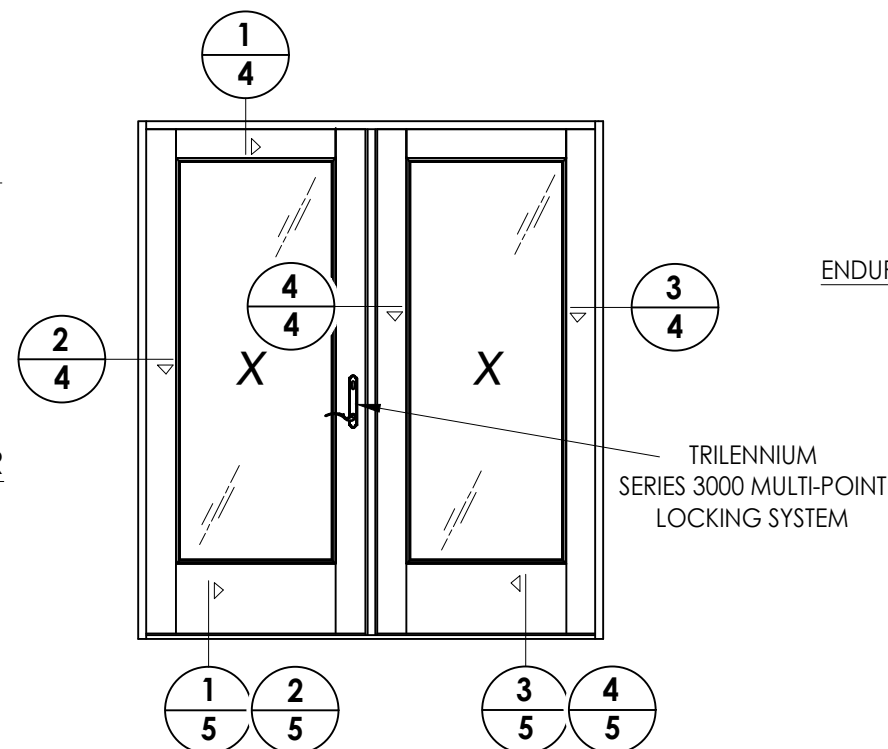
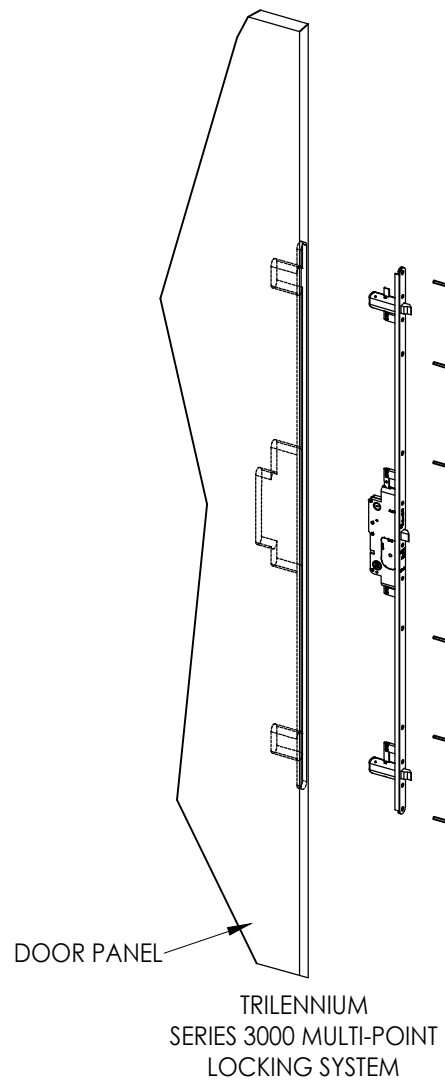
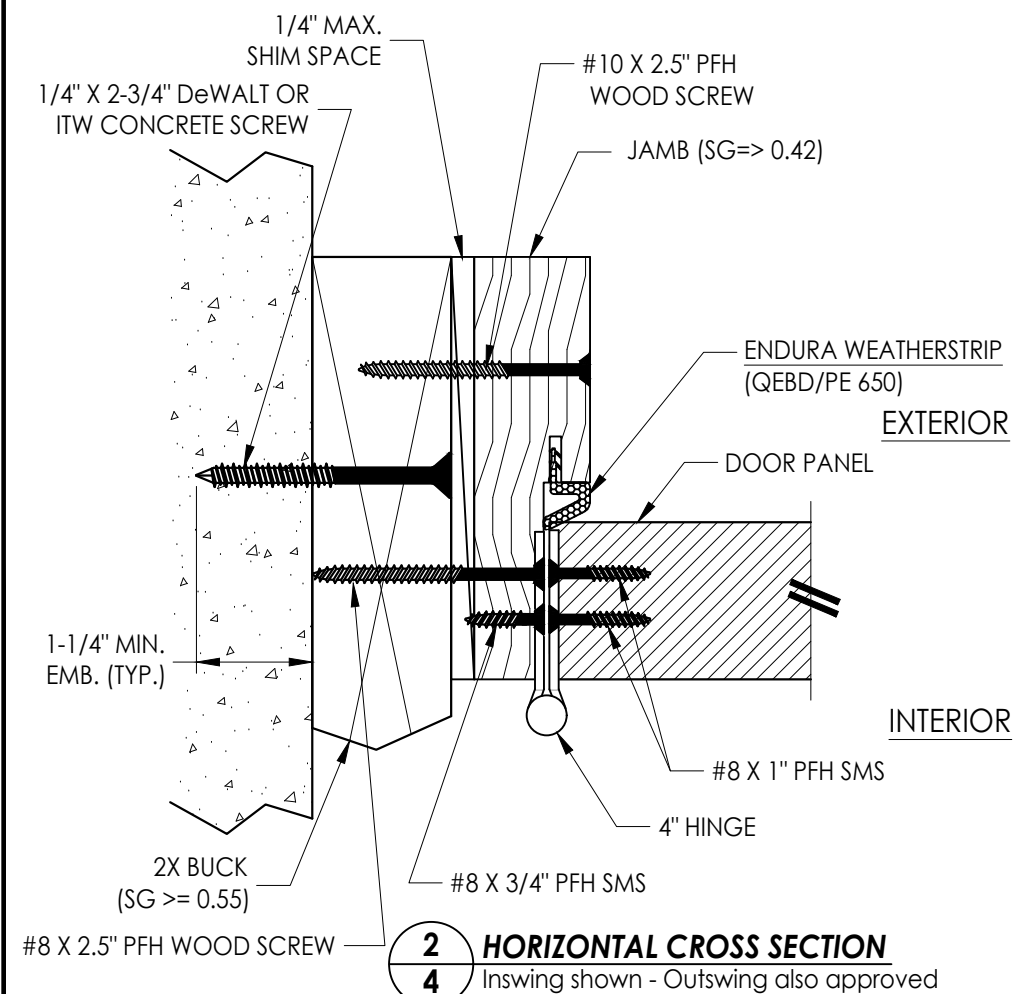
PRODUCT:	ENDURA
PART OR ASSEMBLY:	DOOR PANEL DETAILS & GLAZING DETAIL

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
5	8/11/20	UPDATE TO 7TH ED. (2020) FBC LFS

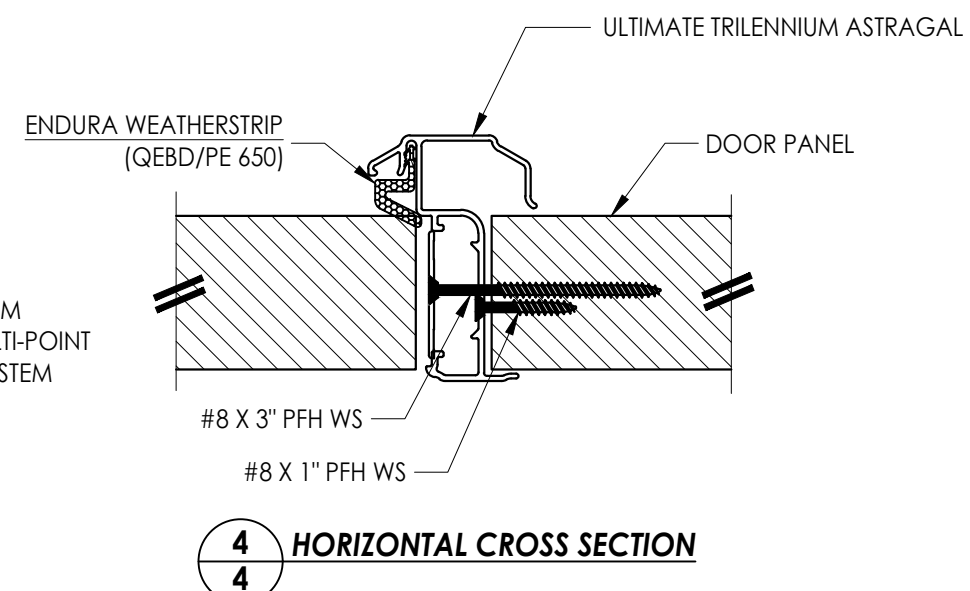
DATE:	1/20/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14823.19
SHEET	3 OF 6



1 **VERTICAL CROSS SECTION**
4 Inswing shown - Outswing also approved

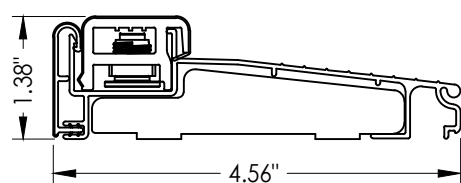
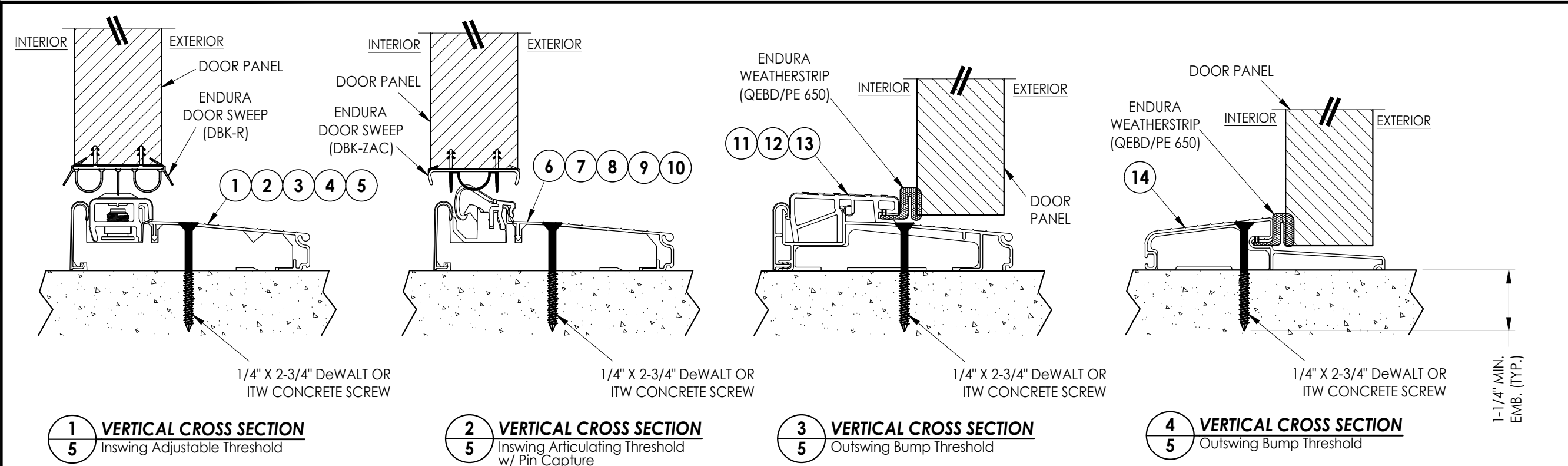


3 HORIZONTAL CROSS SECTION
4 Shown w/1X sub-buck

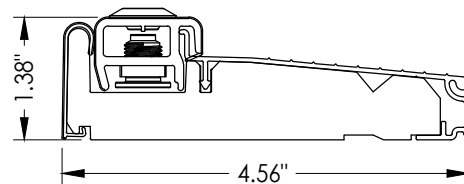


												Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
												RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
												PRODUCT: ENDURA	
												PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS	
				8	7/03/26	UPDATE TO 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	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	LFS					
				NO.	DATE			BY					
													REVISIONS
DATE: 1/20/14													
SCALE: N.T.S.													
DWG. BY: JK													
CHK. BY: LFS													
DRAWING NO.: FL-14823.19													
SHEET 4 OF 6													

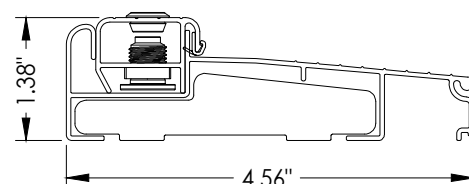
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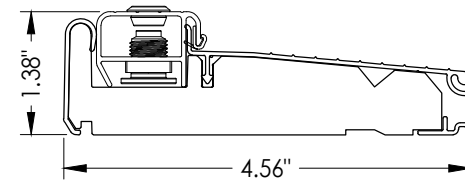
1 INSWING ADJUSTABLE THRESHOLD
ZAIL4565
MAX. DESIGN PRESSURE = ± 50 PSF



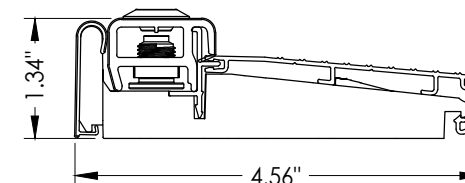
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ZAI4565FN
MAX. DESIGN PRESSURE = ± 50 PSF



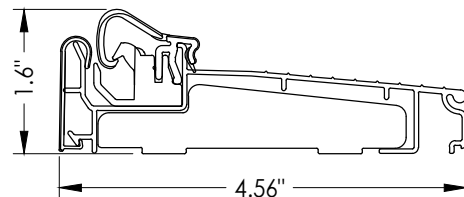
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ZAILAA4565
MAX. DESIGN PRESSURE = ± 50 PSF



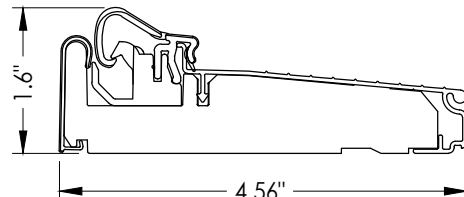
4 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN
MAX. DESIGN PRESSURE = ± 50 PSF



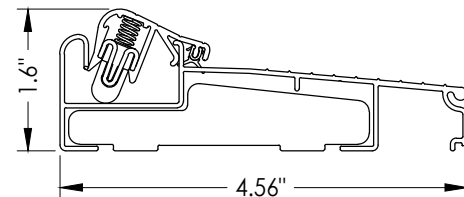
5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS
MAX. DESIGN PRESSURE = ± 45 PSF



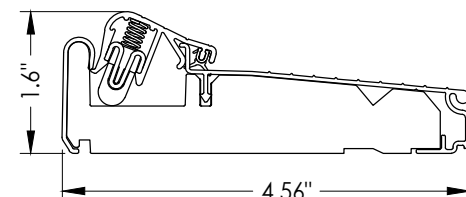
6 INSWING ARTICULATING THRESHOLD
ZACL4565



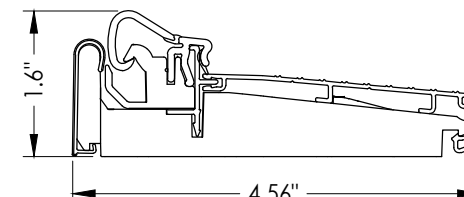
7 INSWING ARTICULATING THRESHOLD
ZAC4565FN
MAX. DESIGN PRESSURE = $\pm 45/-50$ PSF



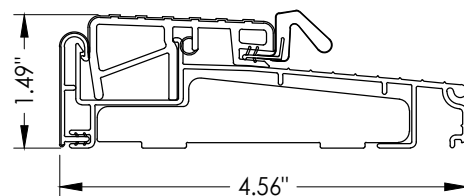
8 INSWING ARTICULATING THRESHOLD
ZACLA4565



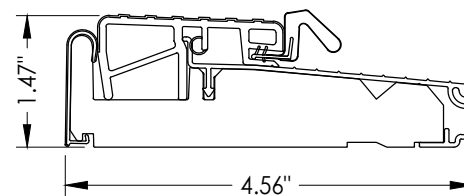
9 INSWING ARTICULATING THRESHOLD
ZACAA4565FN
MAX. DESIGN PRESSURE = $\pm 45/-50$ PSF



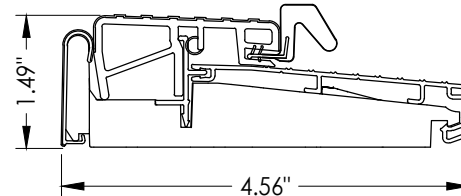
10 INSWING ARTICULATING THRESHOLD
ZAC4565RDS
MAX. DESIGN PRESSURE = ± 45 PSF



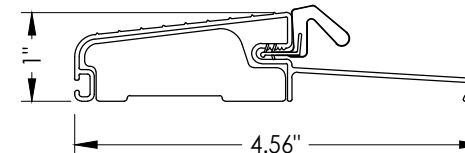
11 OUTSWING THRESHOLD
ZOBL4565



12 OUTSWING THRESHOLD
ZOB4565FN



13 OUTSWING THRESHOLD
ZOB4565RDS
MAX. DESIGN PRESSURE = ± 45 PSF



14 OUTSWING THRESHOLD
FOB4566

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

PRODUCT:
ENDURA

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
8	7/03/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
7	4/16/24	ADD MODERN ASTRAGAL PROFILE		LFS
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DATE: 1/20/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14823.19
SHEET 5 OF 6

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

