

Ultimate Flip Lever Astragal
INSWING / OUTSWING
"NON-IMPACT"

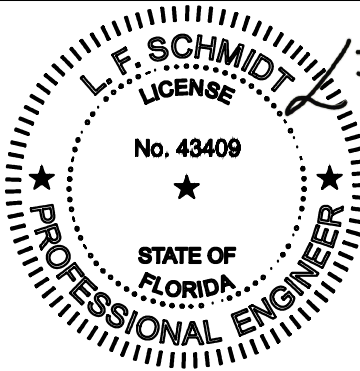
GENERAL NOTES

- 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.

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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



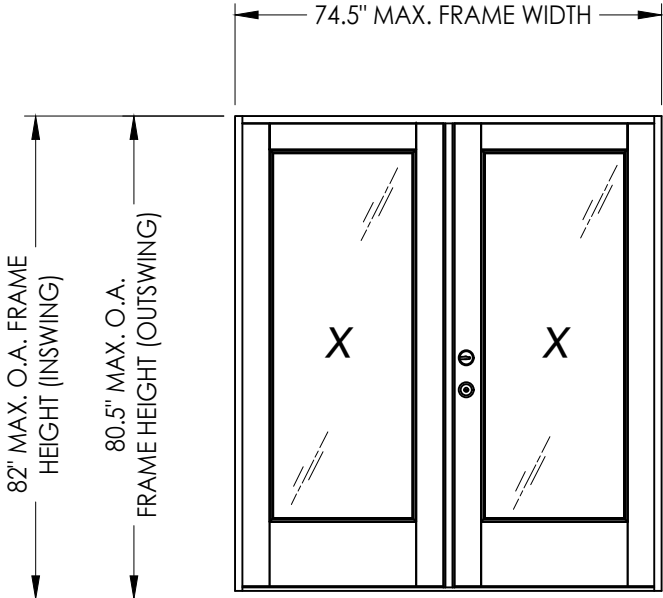
Ultimate Flip Lever Astragal



Digitally signed by Lyndon F Schmidt
Date: 2026.07.19 11:21:02 -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
MASONITE Insert Glazed (FIBERGLASS)	INSWING	74.5" X 82"	+55.0	-60.0
	OUTSWING	74.5" X 80.5"	+55.0	-55.0

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

ENDURA

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

9	7/03/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
8	4/15/24	ADD MODERN ASTRAGAL PROFILE		LFS
7	7/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
6	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
NO.	DATE			BY

REVISIONS

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

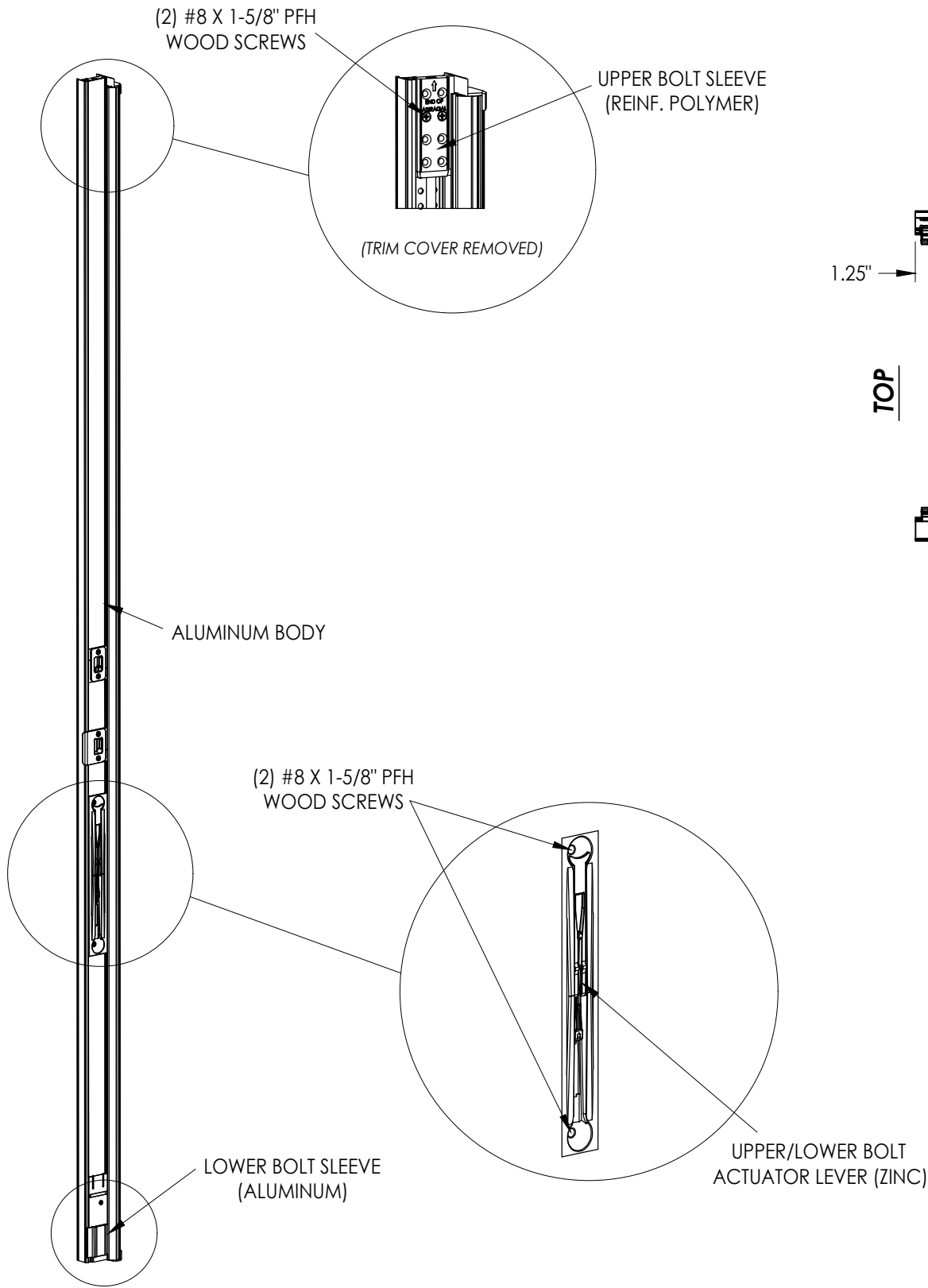
DRAWING NO.: FL-14823.5

SHEET 1 OF 6

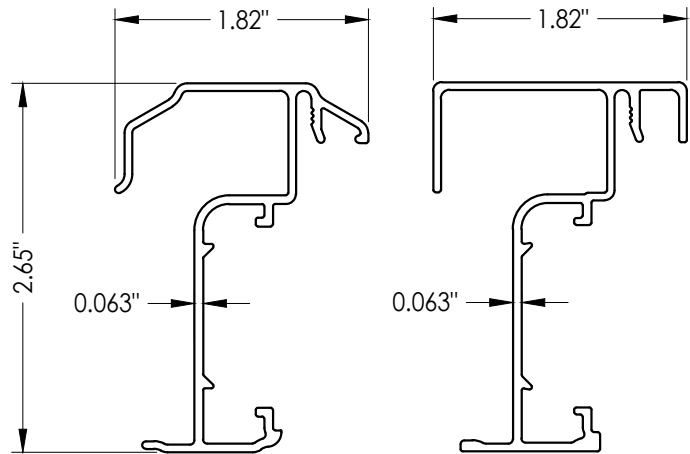
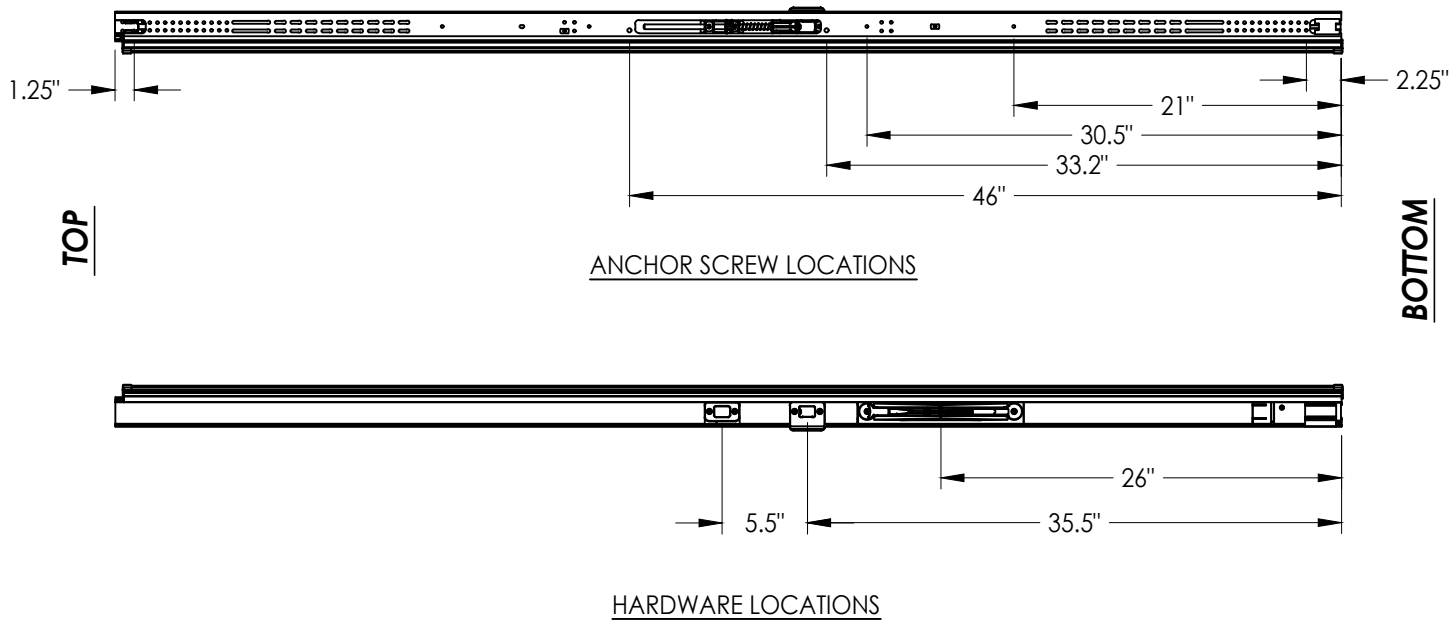
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RW BUILDING CONSULTANTS, INC.
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ULTIMATE FLIP LEVER ASTRAGAL



"TRADITIONAL" PROFILE "MODERN" PROFILE

ASTRAGAL SECTIONS

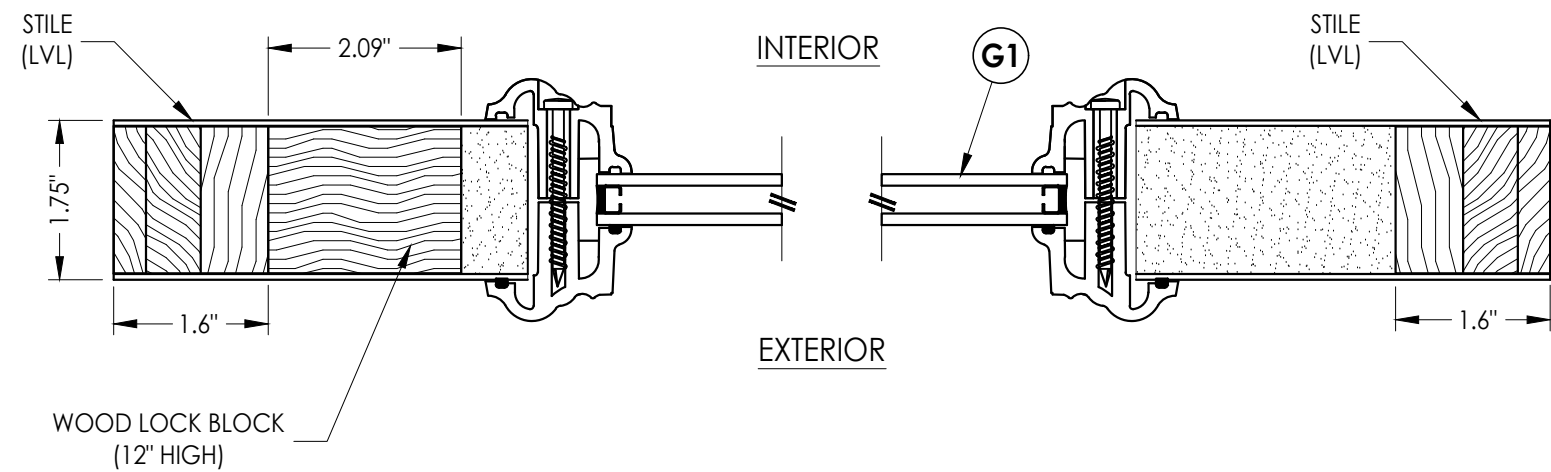
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DATE:	8/30/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14823.5
SHEET	2 OF 6

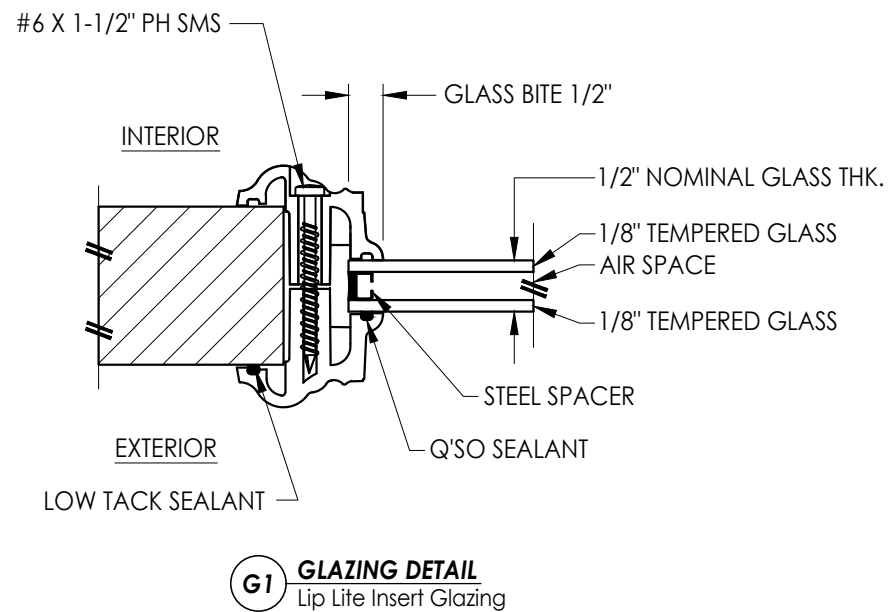
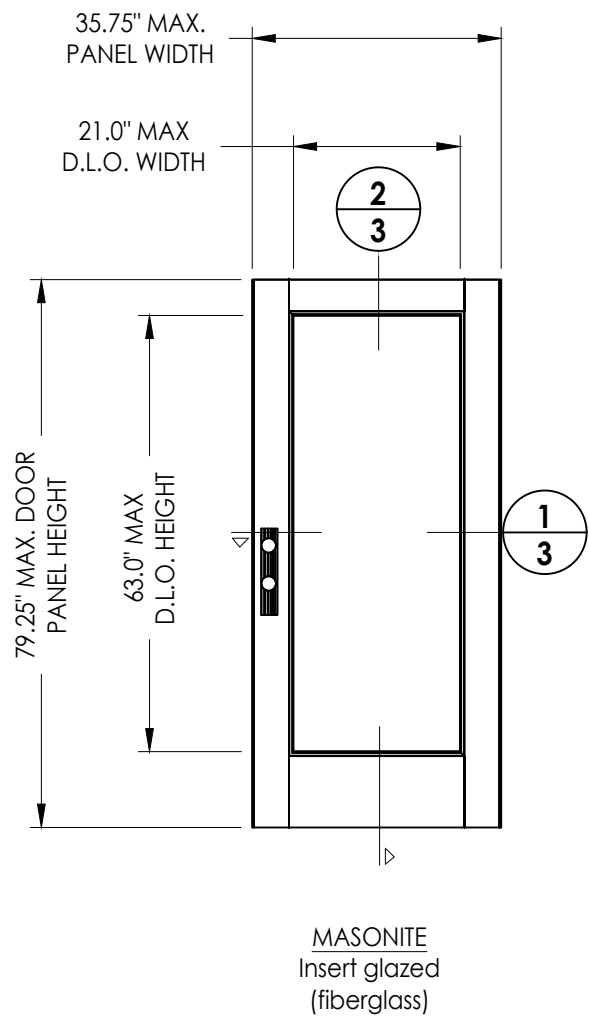
PRODUCT:	ENDURA
PART OR ASSEMBLY:	ASTRAGAL DETAILS

Documents Prepared By:	Lyndon F. Schmidt P.E. No. 43409
	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813

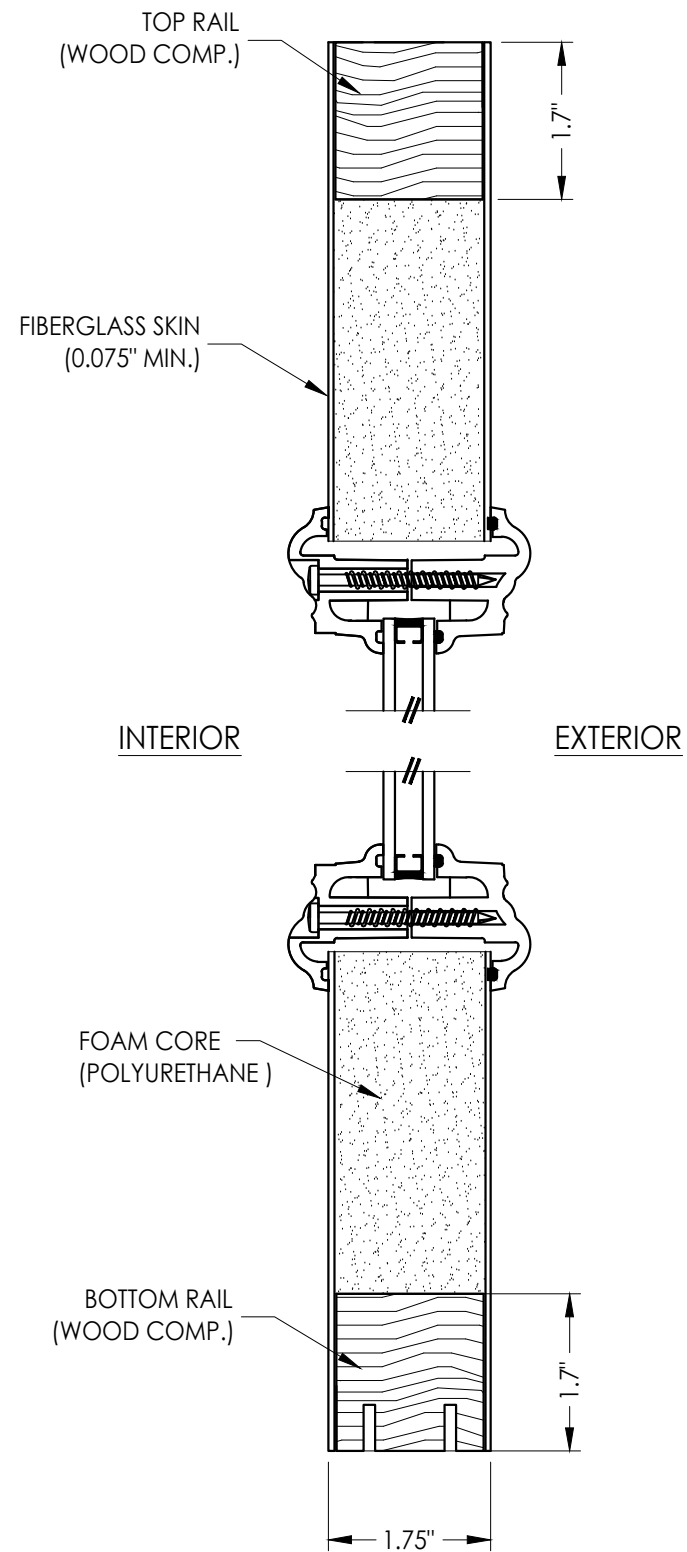
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1
3 HORIZONTAL CROSS SECTION



G1 GLAZING DETAIL
Lip Lite Insert Glazing



2
3 VERTICAL CROSS SECTION

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PRODUCT: ENDURA

PART OR ASSEMBLY:
DOOR PANEL DETAILS
& GLAZING DETAIL

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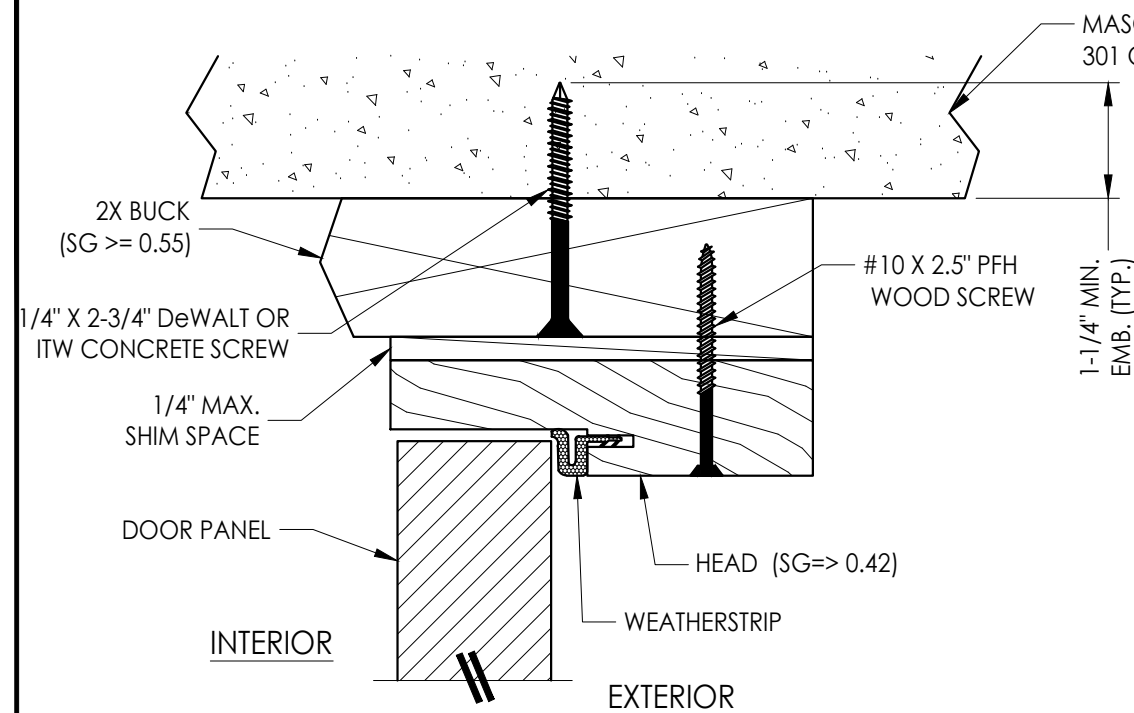
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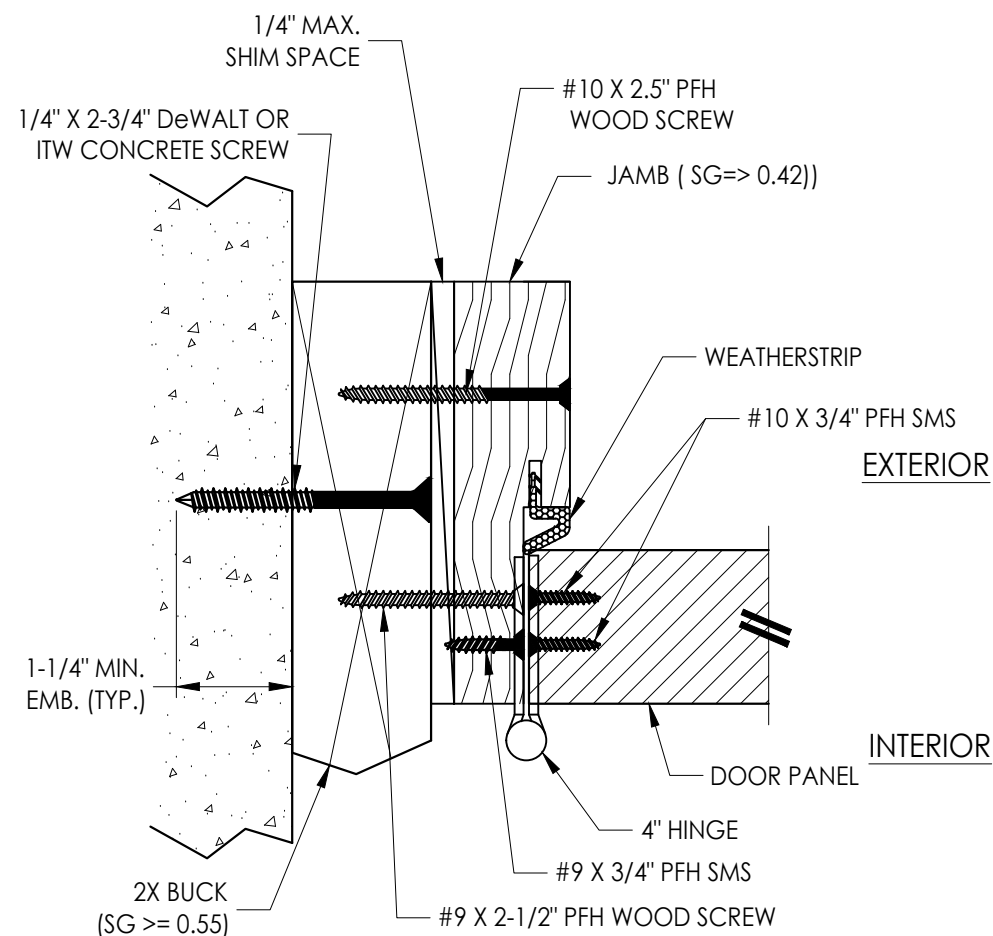
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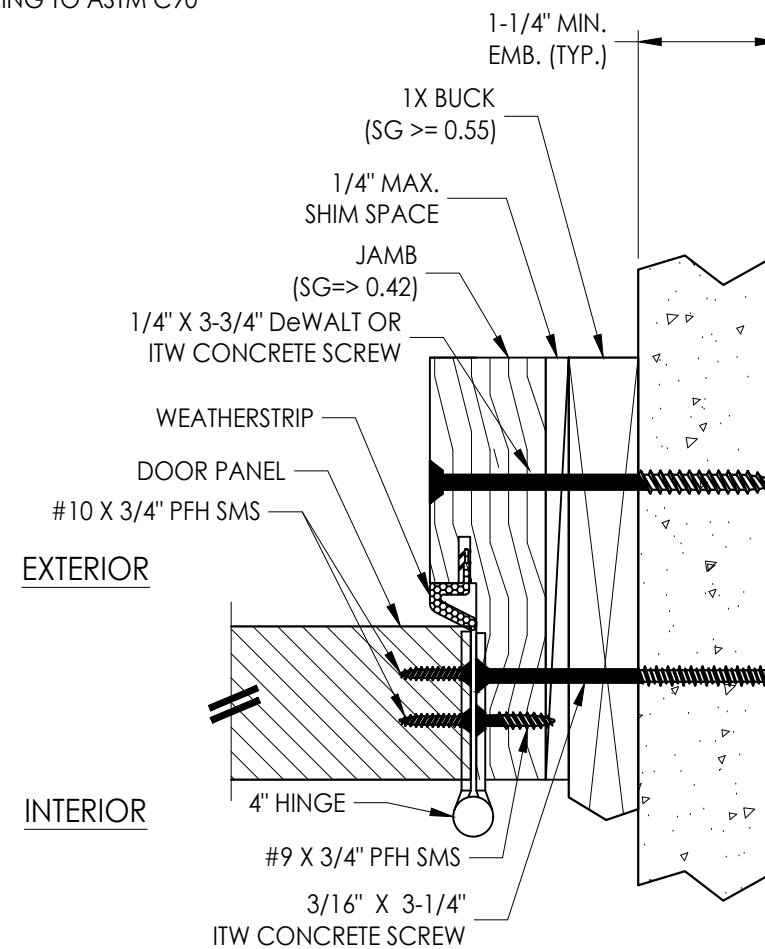
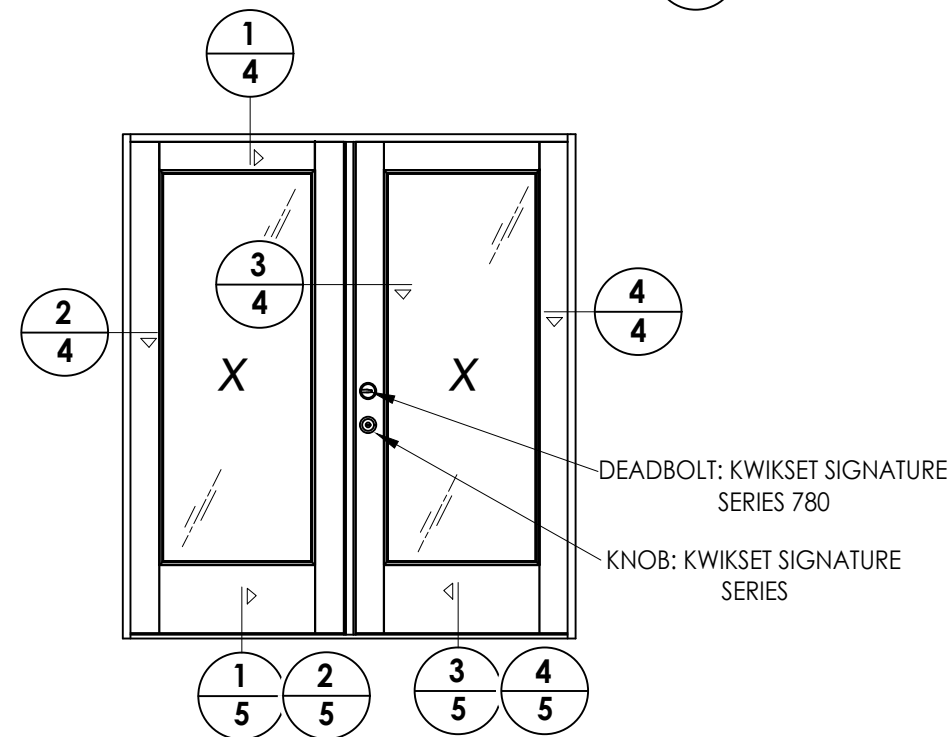
SHEET 3 OF 6



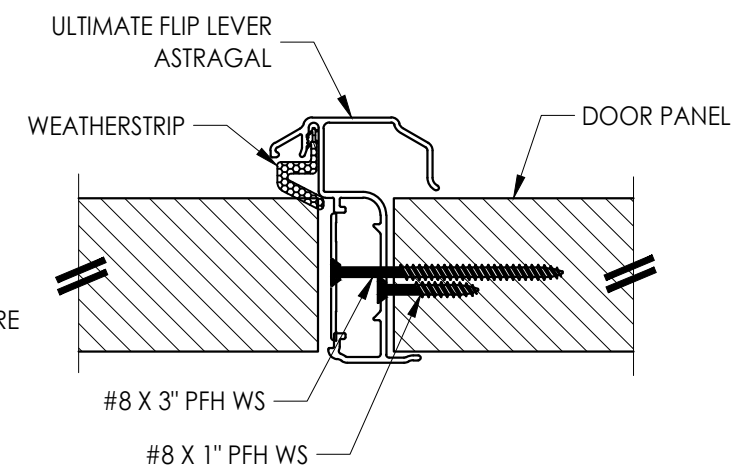
1 **VERTICAL CROSS SECTION**
4



2 **HORIZONTAL CROSS SECTION**



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

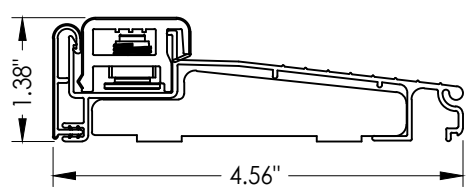
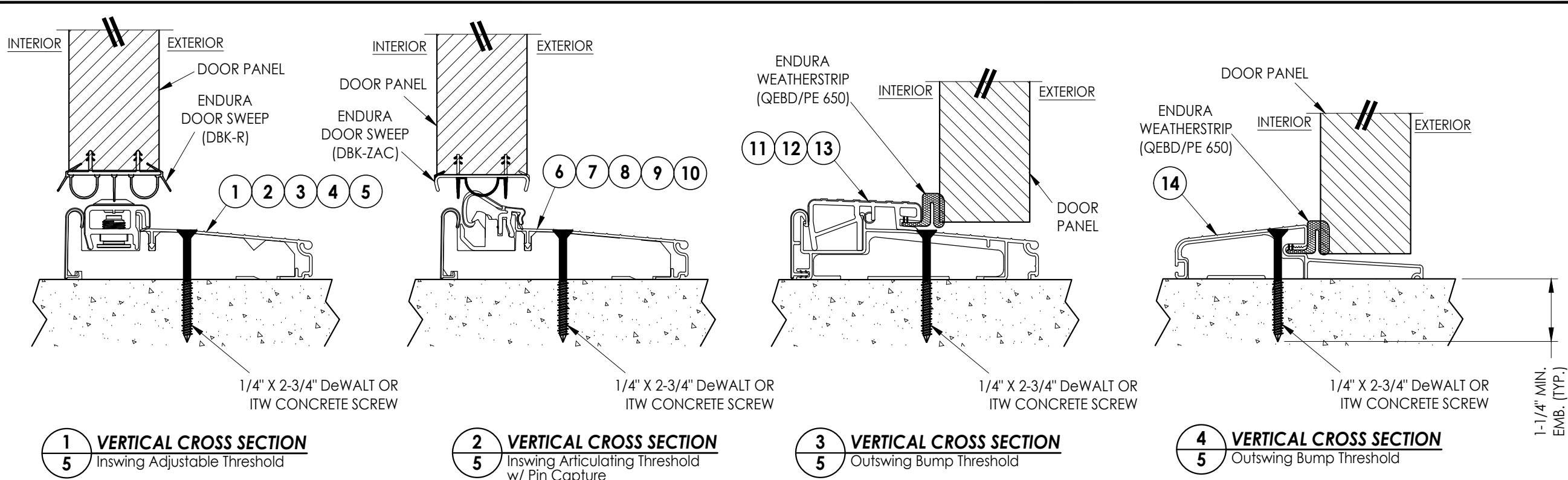


3 4 HORIZONTAL CROSS SECTION

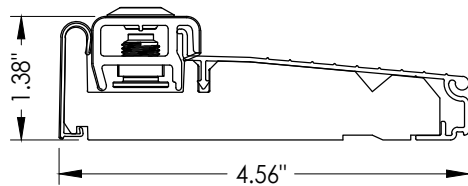
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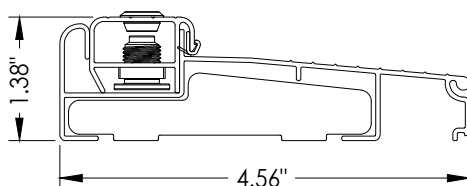


1 INSWING ADJUSTABLE THRESHOLD
ZAIL4565

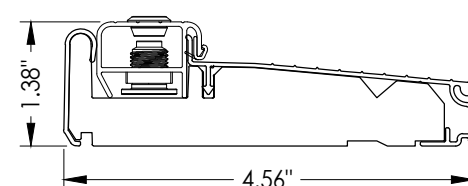


2 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN

MAX. DESIGN PRESSURE = +50/-55 PSF

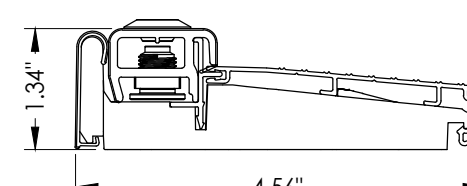


3 INSWING ADJUSTABLE THRESHOLD
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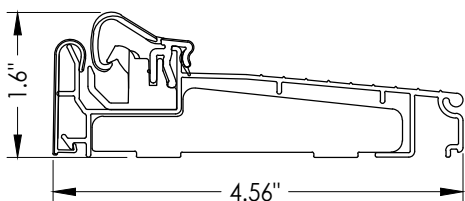
4 INSWING ADJUSTABLE THRESHOLD
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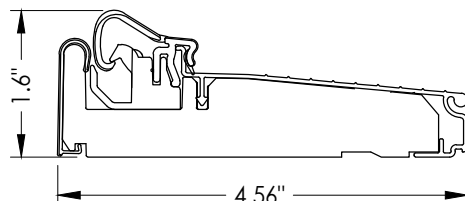
5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS

MAX. DESIGN PRESSURE = ±50 PSF



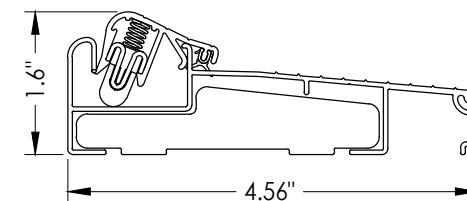
6 INSWING ARTICULATING THRESHOLD
ZACL4565

MAX. DESIGN PRESSURE = +50/-55 PSF



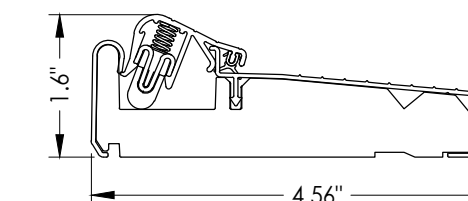
7 INSWING ARTICULATING THRESHOLD
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MAX. DESIGN PRESSURE = +45/-50 PSF



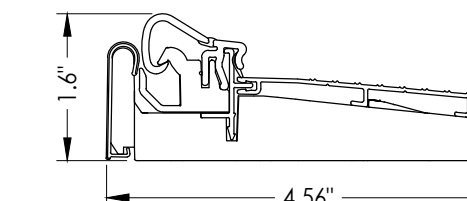
8 INSWING ARTICULATING THRESHOLD
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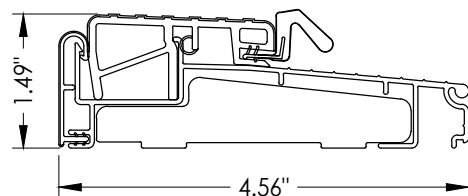
9 INSWING ARTICULATING THRESHOLD
ZACAA4565FN

MAX. DESIGN PRESSURE = +45/-50 PSF

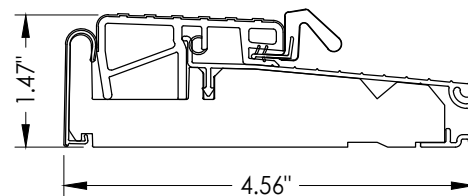


10 INSWING ARTICULATING THRESHOLD
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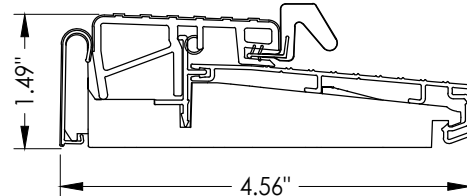
MAX. DESIGN PRESSURE = ±45 PSF



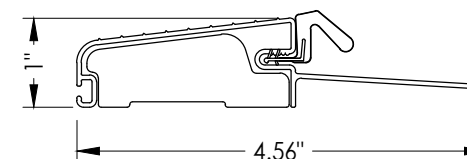
11 OUTSWING THRESHOLD
ZOBL4565



12 OUTSWING THRESHOLD
ZOB4565FN



13 OUTSWING THRESHOLD
ZOB4565RDS



14 OUTSWING THRESHOLD
FOB4566

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THRESHOLD
DETAILS

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SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14823.5

SHEET 5 OF 6

