

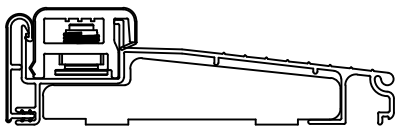
Z SERIES THRESHOLDS

DOUBLE DOOR
INSWING / OUTSWING
"IMPACT - HVHZ"

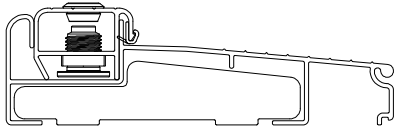
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. These "IMPACT" door thresholds, as components, are to be used in combination as a substitute for similar components in an impact approved continuous head & sill (complies with Section 1626 of the FBC) door system possessing a current Florida Statewide Product Approval (Including the "HVHZ").
5. The design pressure of the assembly shall be the lesser of the design pressure for the component assembly shown in this approval or the design pressure of the system assembly used in conjunction with this approval.
6. The maximum frame size of the door assembly shall be lesser of the maximum frame size stated in this approval or the maximum frame size of the system assembly approval used in conjunction with this approval.
7. Refer to the separate Florida Product Approval for the swing door used in conjunction with this component approval to determine the ability of the system to meet the water infiltration requirements for the "HVHZ".
8. Thresholds have been tested in a door assembly (for air and water) according to the requirements of TAS 202-94 (ASTM E 283-04 & E 331-00).
9. Outswing configurations (using ZOB thresholds) meet "HVHZ" water infiltration requirements. All other configurations do not meet "HVHZ" water infiltration requirements and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
10. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

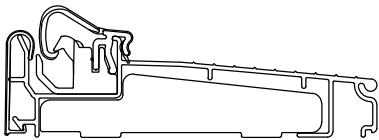
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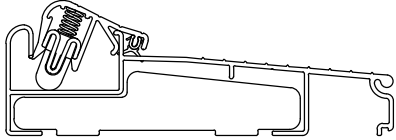
ZAIL4565



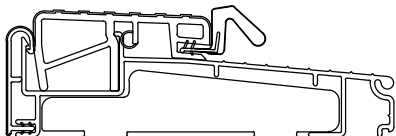
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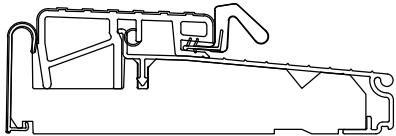
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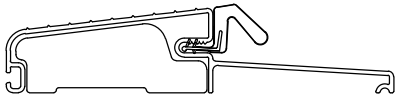
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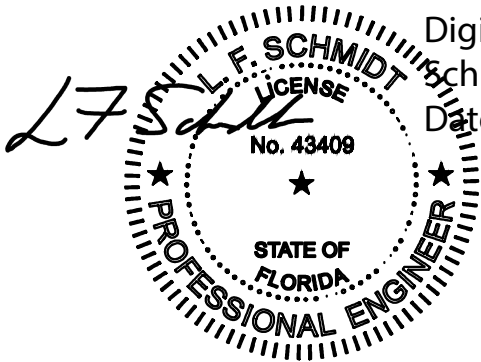
ZOBL4565



ZOB4565FN



FOB4565



Digitally signed by Lyndon F
Schmidt

Date: 2023.07.12 10:32:19 -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 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	ENDURA
PART OR ASSEMBLY:	TYPICAL SECTIONS & GENERAL NOTES

4	7/06/23	UPDATE TO 8TH ED.	(2023)	FBC LFS
3	8/03/20	UPDATE TO 7TH ED.	(2020)	FBC LFS
2	2/19/19	ADD RDS THRESHOLDS		LFS
1	9/13/18	REV. GENERAL NOTE FOR WATER		LFS
NO.	DATE			BY

DATE: 12/12/17

SCALE: N.T.S.

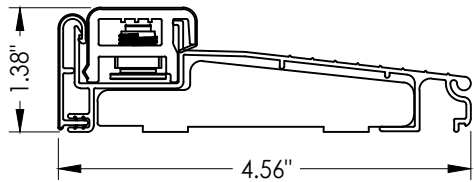
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CHK. BY: LFS

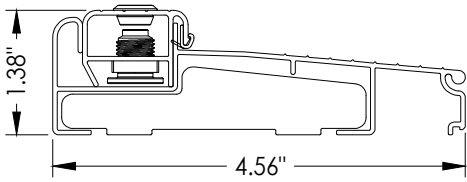
DRAWING NO.:

FL-25610.2

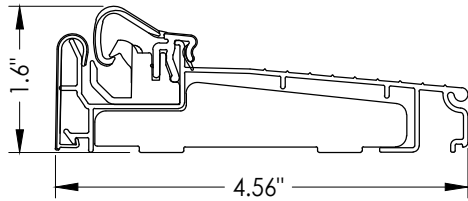
SHEET 1 OF 4



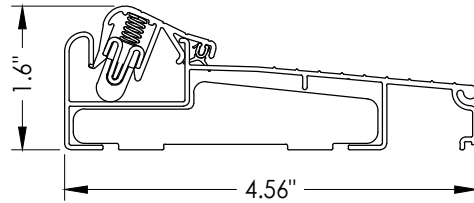
T1 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



T2 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



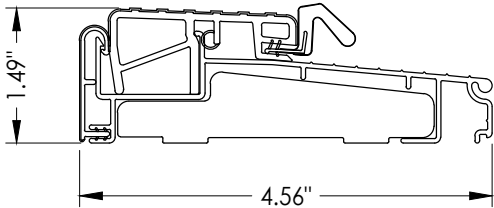
T3 INSWING ARTICULATING THRESHOLD
ZACL4565



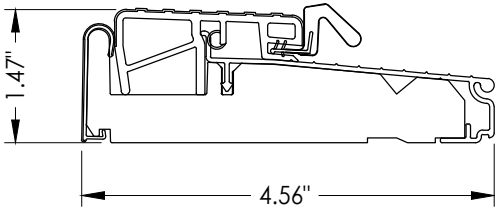
T4 INSWING ARTICULATING THRESHOLD
ZACLAA4565

DESIGN PRESSURE RATING FOR THE
ZACLAA4565 THRESHOLD IS LIMITED TO
± 45 PSF FOR FRAME HEIGHTS > 6'-8"

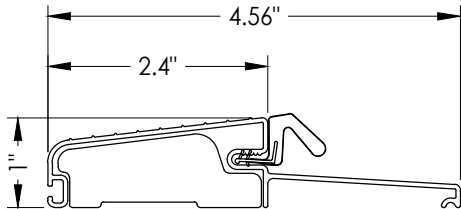
INSWING THRESHOLDS			
CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
		POSITIVE	NEGATIVE
XX	74" X 98"	+50.0	-50.0



T5 OUTSWING THRESHOLD
ZOBL4565



T6 OUTSWING THRESHOLD
ZOB4565FN



T7 OUTSWING THRESHOLD
FOB4565

OUTSWING THRESHOLDS			
CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
		POSITIVE	NEGATIVE
XX	74" X 98"	+50.0	-50.0

NO.	DATE	REVISIONS			
		DESCRIPTION	BY	DATE	APPROVED
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS		
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC	LFS		
2	2/19/19	ADD RDS THRESHOLDS	LFS		
1	9/13/18	REV. GENERAL NOTE FOR WATER	LFS		

DATE: 12/12/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

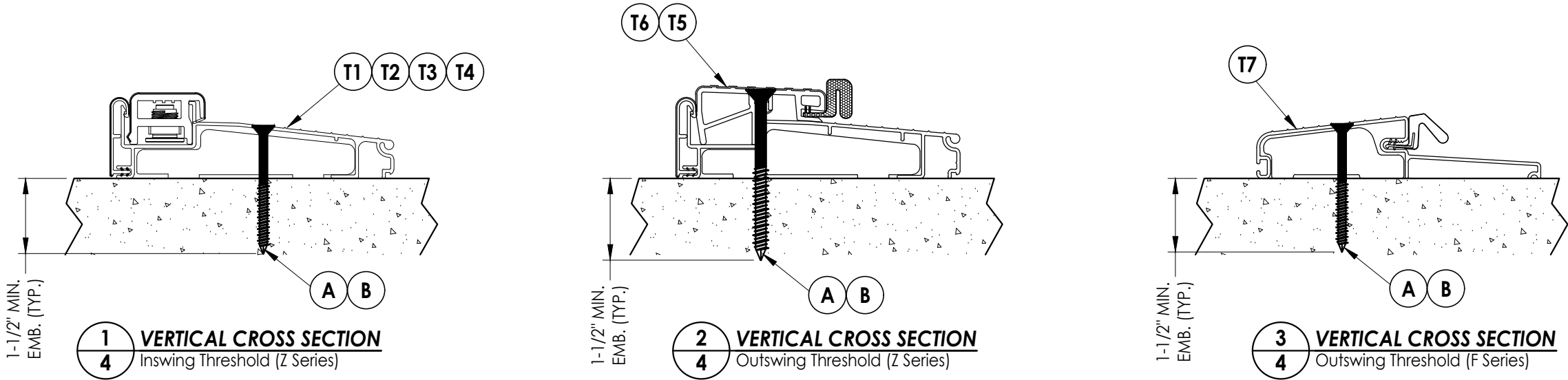
DRAWING NO.:
FL-25610.2

SHEET 2 OF 4

PRODUCT:	ENDURA
	PART OR ASSEMBLY: THRESHOLD DETAILS & DESIGN PRESSURES

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DATE: 12/12/17	
SCALE: N.T.S.	
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.: FL-25610.2	
SHEET 4	OF 4

4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	2/19/19	ADD RDS THRESHOLDS		LFS
1	9/13/18	REV. GENERAL NOTE FOR WATER		LFS
NO.	DATE			BY
REVISIONS				

PRODUCT: ENDURA	
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	

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