



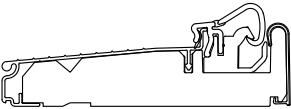
PERFORMANCE STANDARD

INSWING THRESHOLDS - Z-SERIES & ADA
(NON-HVHZ) (IMPACT)

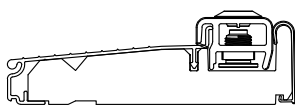
GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E330-14
 - ASTM E1886-13a
 - ASTM E1996-14a
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN WIND BORNE DEBRIS REGIONS REQUIRING IMPACT RESISTANCE.
- APPROVED THRESHOLDS HEREIN MAY BE USED AS EQUIVALENT ALTERNATE SUBSTITUTES FOR SIMILAR THRESHOLDS SHOWN IN DOOR ASSEMBLY APPROVALS WITH CURRENT FLORIDA STATEWIDE PRODUCT APPROVALS.
- SHOULD DESIGN PRESSURES AND/OR SIZES HEREIN VARY FROM THOSE LISTED FOR THE DOOR, UNDER SEPARATE APPROVAL, THE LESSER DESIGN PRESSURE SHALL GOVERN.
- WHERE WATER INFILTRATION RATINGS ARE REQUIRED, PLEASE CONSULT THE MANUFACTURER FOR WATER INFILTRATION RATINGS BASED ON DOOR ASSEMBLY AND THRESHOLD INTERFACE DETAILS.

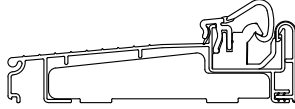
TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES
2	Z-FN SILL DETAILS & DESIGN PRESSURE RATINGS
3	Z-LH SILL DETAILS & DESIGN PRESSURE RATINGS
4	Z-LINEAL SILL DETAILS & DESIGN PRESSURE RATINGS
5	Z-RDS SILL DETAILS & DESIGN PRESSURE RATINGS
6	Z-SERIES ADA SILL DETAILS & DESIGN PRESSURE RATINGS
7	Z-SERIES ADA SILL DETAILS & DESIGN PRESSURE RATINGS
8	INSTALLATION, ANCHOR LAYOUT, SPECIFICATIONS AND NOTES



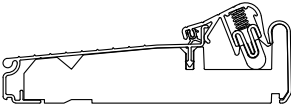
ZAC4565FN
SEE SHEET 2



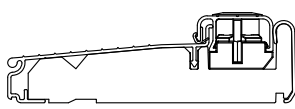
ZAI4565FN
SEE SHEET 2



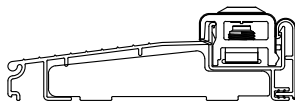
ZACL4565
SEE SHEET 4



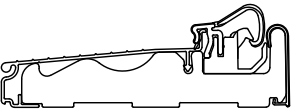
ZACAA4565FN
SEE SHEET 2



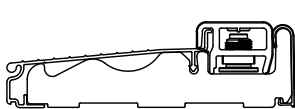
ZAIAA4565FN
SEE SHEET 2



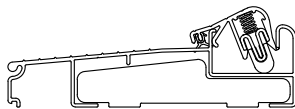
ZAIL4565
SEE SHEET 4



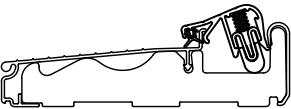
ZACLH4565
SEE SHEET 3



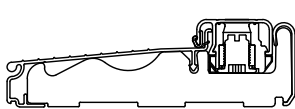
ZAILH4565
SEE SHEET 3



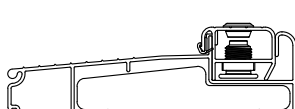
ZACLAA4565
SEE SHEET 4



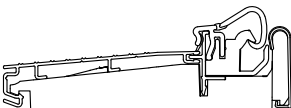
ZACLH4565AA
SEE SHEET 3



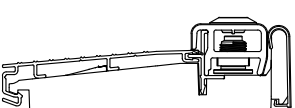
ZAILH4565AA
SEE SHEET 3



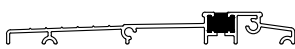
ZAILAA4565
SEE SHEET 4



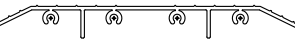
ZAC4565RDS
SEE SHEET 5



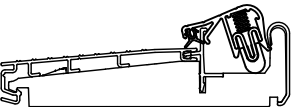
ZAI4565RDS
SEE SHEET 5



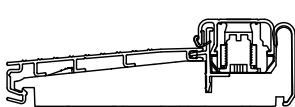
ZHCI4562 - ADA
SEE SHEET 6



HCI5000 LITE - ADA
SEE SHEET 6



ZACAA4565RDS
SEE SHEET 5



ZAIAA4565RDS
SEE SHEET 5



ADAPI4562
SEE SHEET 7



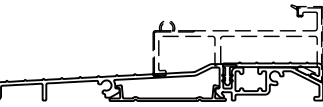
ADAPI4562C
SEE SHEET 7



ADAPI4562TB
SEE SHEET 7



ADAPI4562
SEE SHEET 6



ADAPI4562TB
SEE SHEET 6



PERFORMANCE STANDARD
ENDURA PERFORMANCE

STANDARD
8817 WEST MARKET STREET
COLFAX, NC 27735
PH: (336) 668-2472

TITLE: Z-SERIES INSWING
THRESHOLD
(NON-HVHZ) (IMPACT)
GENERAL NOTES

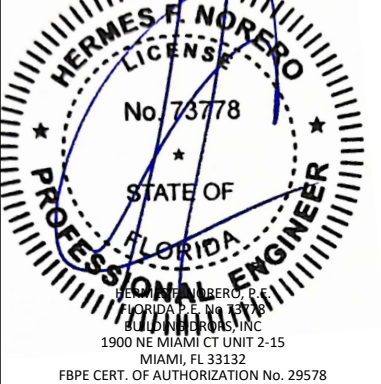
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954) 999-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
RDS PG UPGRADE	SM	12/16
LH ADDITION	YC	05/20
ADA SILL ADDITION	FB	03/24
ADA SILL CONFIG. UPD.	FB	12/24

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.02.14 15:36:05 -05'00'



FL #:
FL20153

DATE: **05.22.2020**

DWG. BY: **YC** CHK. BY: **HFN**

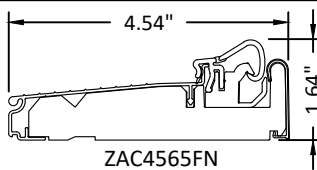
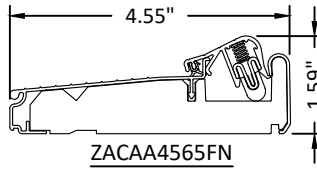
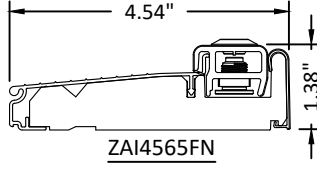
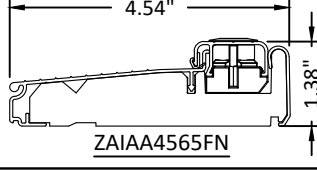
SCALE: **NTS**

DWG. #: **END003**

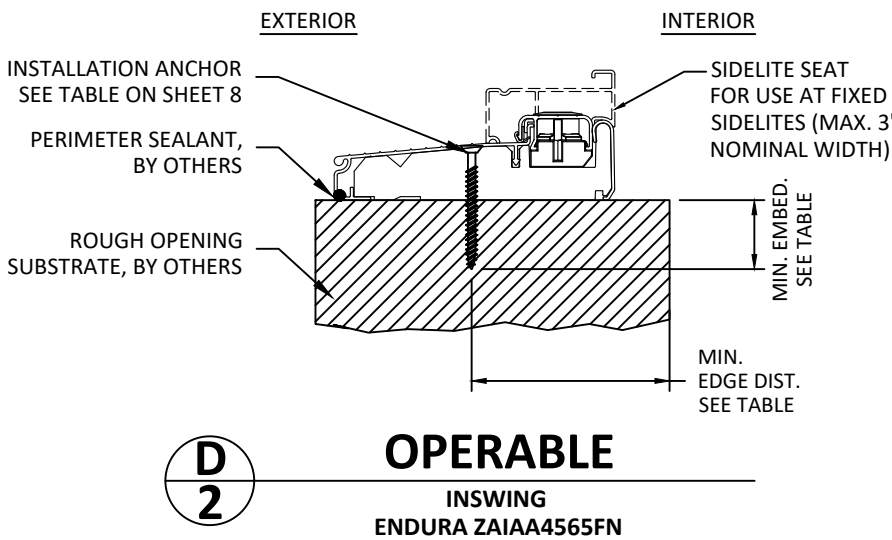
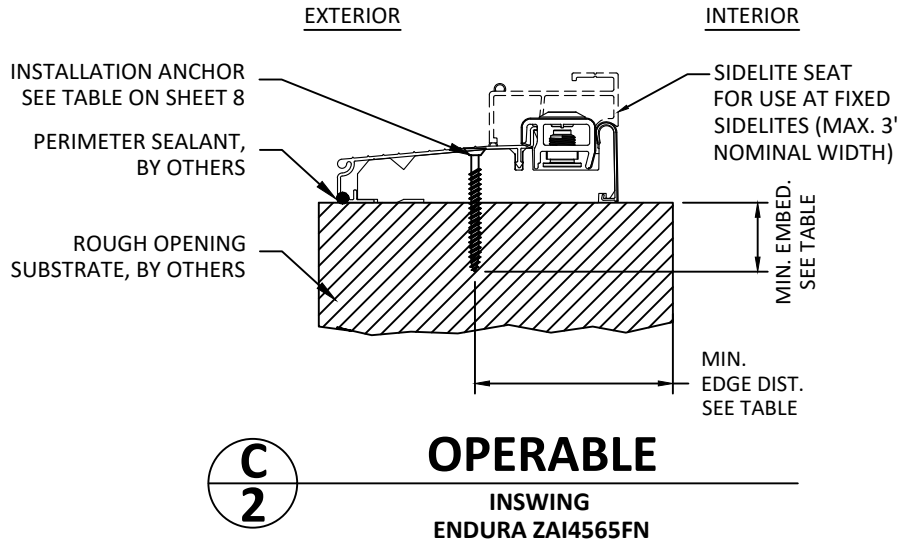
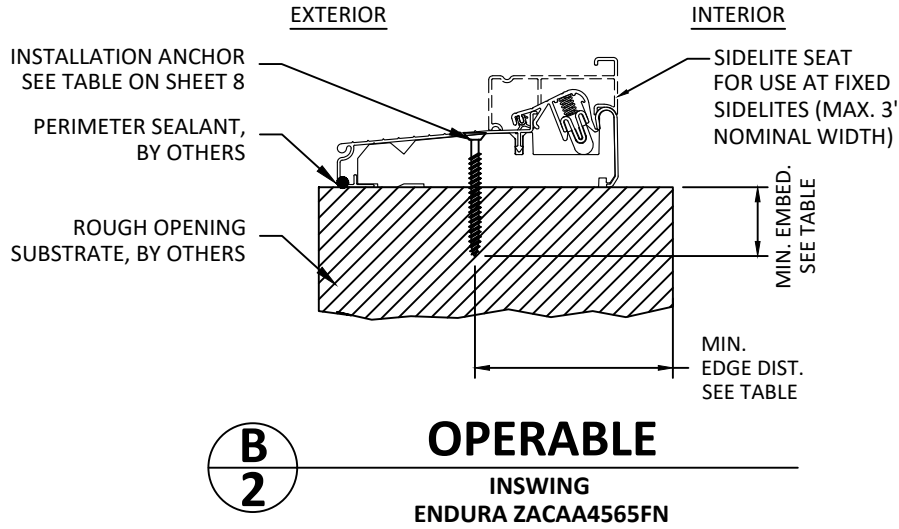
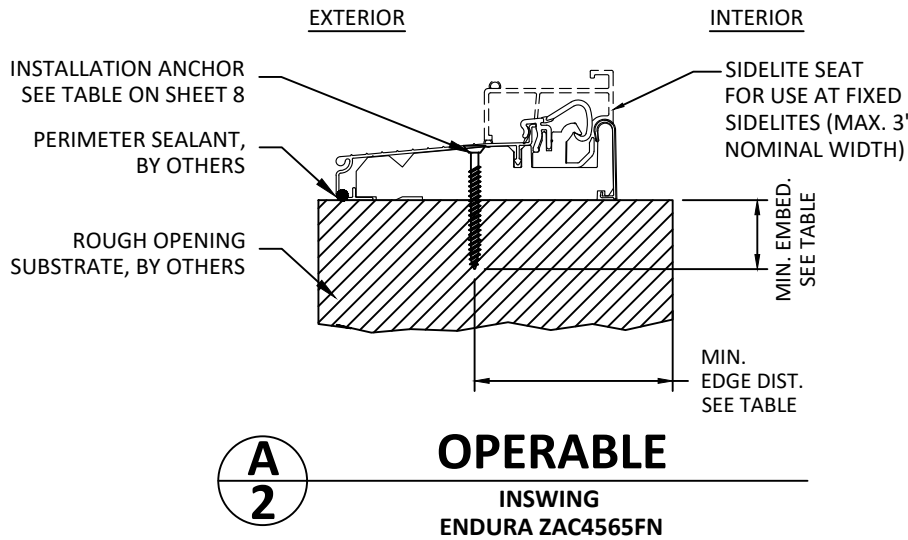
SHEET:

1

OF 8

THRESHOLD MODEL	CONFIGURATION	MAX. NOMINAL O.A. SIZE	MAX. DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
 ZAC4565FN	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	XX	6'-0" X 6'-8"	55	55
		6'-0" X 8'-0"	35	35
	XO OR OXO	6'-0" X 6'-8"	60	60
		6'-0" X 8'-0"	60	60
 ZACAA4565FN	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	XX	6'-0" X 6'-8"	55	55
		6'-0" X 8'-0"	35	40
	XO OR OXO	6'-0" X 6'-8"	60	60
		6'-0" X 8'-0"	60	60
 ZAI4565FN	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	XX	6'-0" X 6'-8"	65	65
		6'-0" X 8'-0"	50	50
	XO OR OXO	6'-0" X 6'-8"	60	60
		6'-0" X 8'-0"	60	60
 ZAIAA4565FN	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	XX	6'-0" X 6'-8"	65	65
		6'-0" X 8'-0"	50	50
	XO OR OXO	6'-0" X 6'-8"	60	60
		6'-0" X 8'-0"	60	60

- DESIGN PRESSURE TABLE NOTES:
- ZAC4565FN & ZACAA4565FN THRESHOLDS ARE ARTICULATING THRESHOLD DESIGNS.
 - ZAI4565FN & ZAIAA4565FN THRESHOLDS ARE ADJUSTABLE THRESHOLD DESIGNS.
 - MAXIMUM LENGTH OF FN THRESHOLDS IS 6', THUS OXO UNITS SHALL BE LIMITED TO NOMINAL 1'-2" WIDE SIDELITES WITH NOMINAL 3' WIDE OPERABLE DOOR PANEL.
 - SHOULD DESIGN PRESSURES AND/OR SIZES HEREIN VARY FROM THOSE LISTED FOR THE DOOR, UNDER SEPARATE APPROVAL, THE LESSER DESIGN PRESSURE SHALL GOVERN.

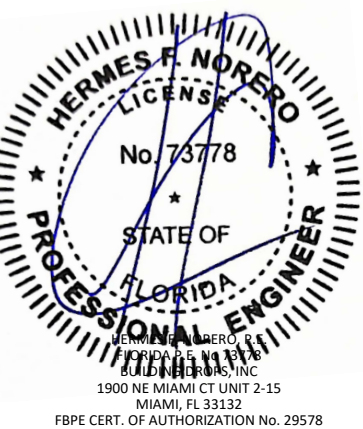


TITLE: Z-SERIES INSWING THRESHOLD (NON-HVHZ) (IMPACT)
Z-FN SERIES SILL DETAILS & DESIGN PRESSURE RATINGS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

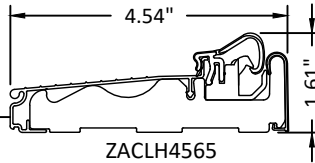
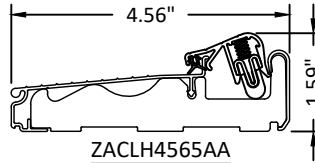
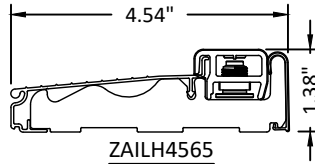
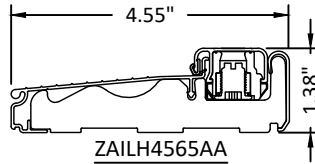
REMARKS	BY	DATE
RDS PG UPGRADE	SM	12/16
LH ADDITION	YC	05/20
ADA SILL ADDITION	FB	03/24
ADA SILL CONFIG. UPD.	FB	12/24

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



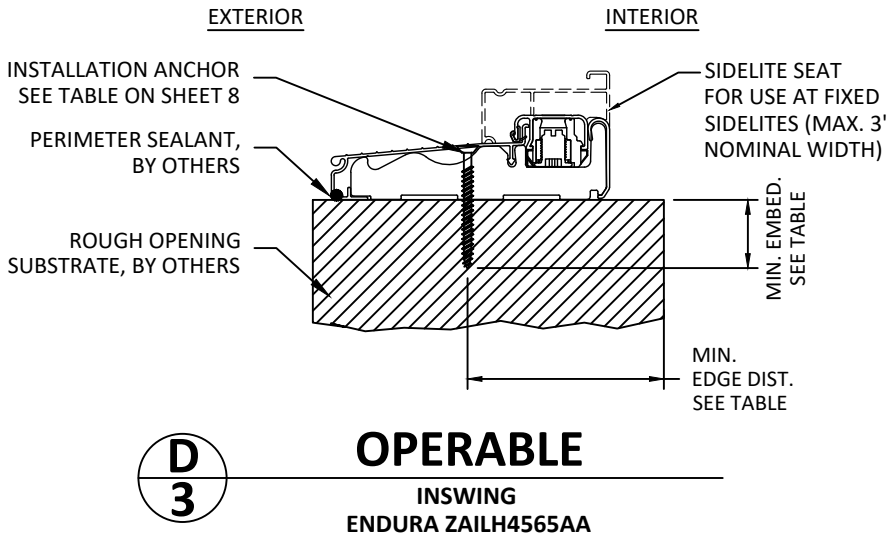
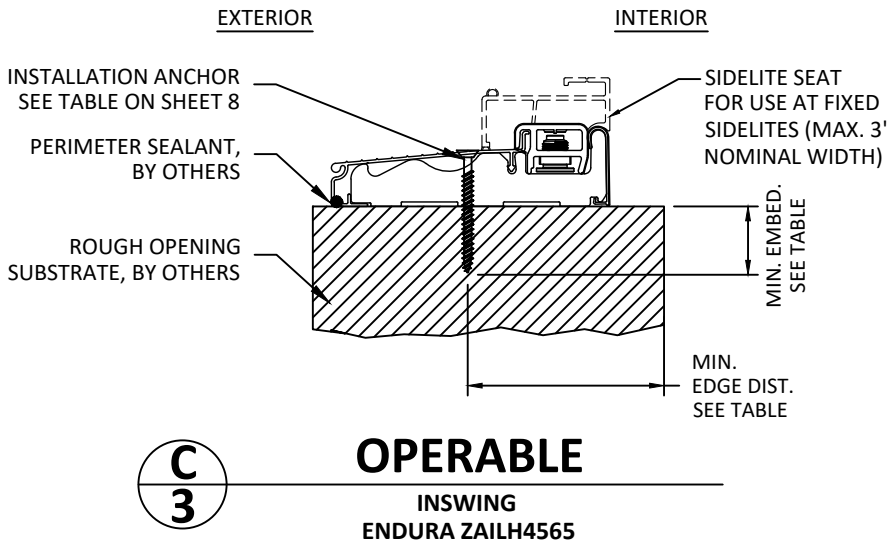
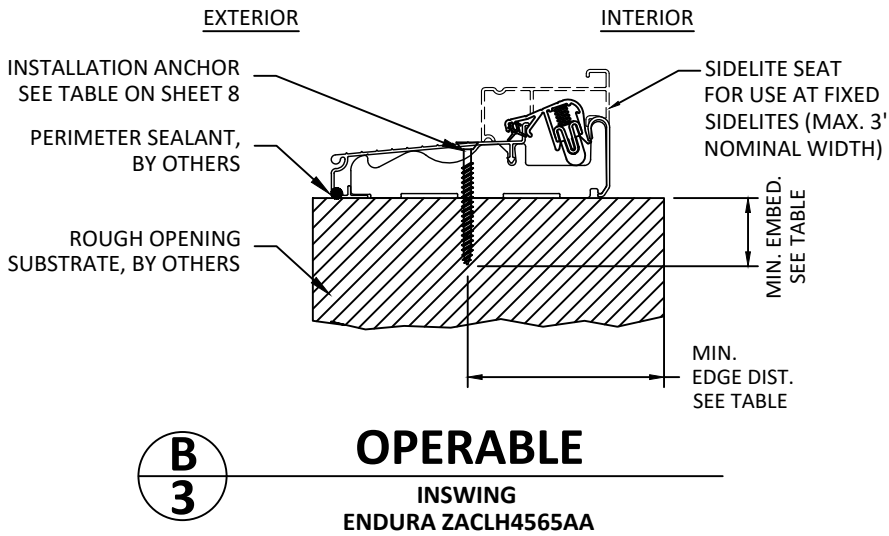
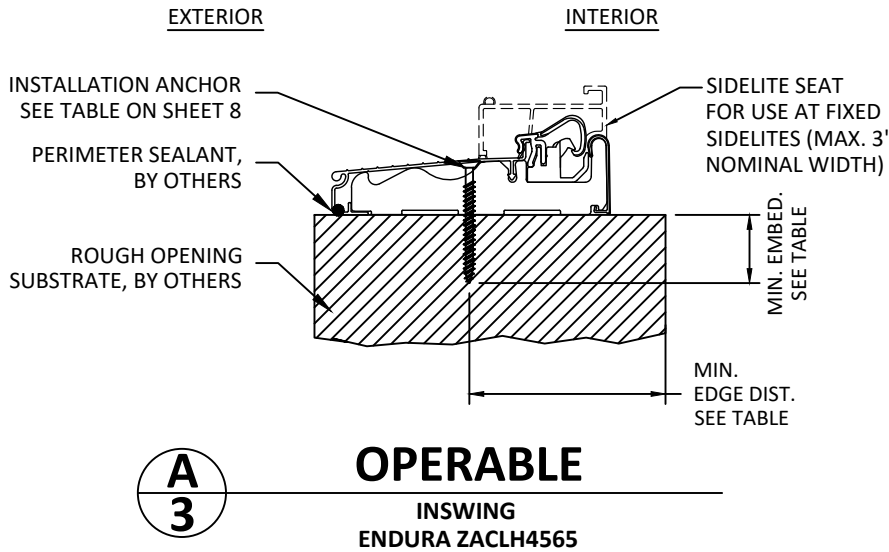
FL #:	FL20153
DATE:	05.22.2020
DWG. BY:	CHK. BY:
YC	HFN
SCALE:	NTS
DWG. #:	END003
SHEET:	

c:\users\franciscobriceno\building drops, inc\building drops landing - common\projects\endura products, inc\fbc-24-0939-1 - fbc submittal - fl20153 is, os thresholds\dwgs\end003.dwg 2/14/2025 12:58 PM

THRESHOLD MODEL	CONFIGURATION	MAX. NOMINAL O.A. SIZE	MAX. DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
 ZAC LH4565	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	XO OR OXO	6'-0" X 6'-8"	60	60
		6'-0" X 6'-8"	60	60
 ZAC LH4565AA	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	XO OR OXO	6'-0" X 6'-8"	60	60
		6'-0" X 6'-8"	60	60
 ZAI LH4565	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	XO OR OXO	6'-0" X 6'-8"	60	60
		6'-0" X 6'-8"	60	60
 ZAI LH4565AA	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	XO OR OXO	6'-0" X 6'-8"	60	60
		6'-0" X 6'-8"	60	60

DESIGN PRESSURE TABLE NOTES:

1. ZAC LH4565 & ZAI LH4565AA THRESHOLDS ARE ARTICULATING THRESHOLD DESIGNS.
2. ZAI LH4565 & ZAI LH4565AA THRESHOLDS ARE ADJUSTABLE THRESHOLD DESIGNS.
3. MAXIMUM LENGTH OF LH THRESHOLDS IS 6', THUS OXO UNITS SHALL BE LIMITED TO NOMINAL 1'-2" WIDE SIDELITES WITH NOMINAL 3' WIDE OPERABLE DOOR PANEL.
4. SHOULD DESIGN PRESSURES AND/OR SIZES HEREIN VARY FROM THOSE LISTED FOR THE DOOR, UNDER SEPARATE APPROVAL, THE LESSER DESIGN PRESSURE SHALL GOVERN.





PERFORMANCE STANDARD
ENDURA PERFORMANCE
STANDARD
8817 WEST MARKET STREET
COLFAX, NC 27735
PH: (336) 668-2472

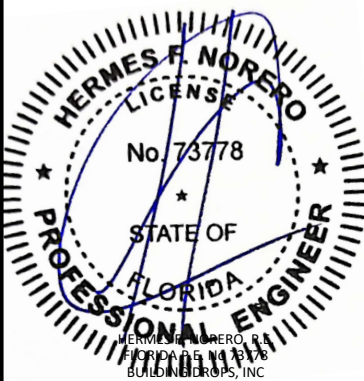
TITLE: Z-SERIES INSWING THRESHOLD (NON-HVHZ) (IMPACT)
Z-LH SERIES SILL DETAILS & DESIGN PRESSURE RATINGS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
RDS PG UPGRADE	SM	12/16
LH ADDITION	YC	05/20
ADA SILL ADDITION	FB	03/24
ADA SILL CONFIG. UPD.	FB	12/24

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL20153

DATE: 05.22.2020

DWG. BY: YC	CHK. BY: HFN
----------------	-----------------

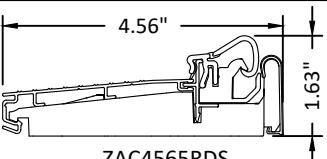
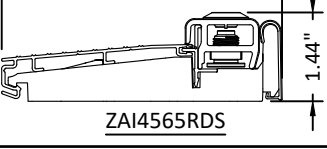
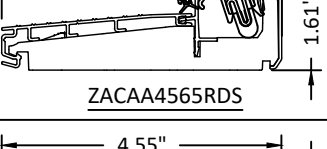
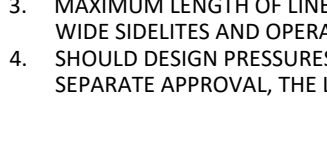
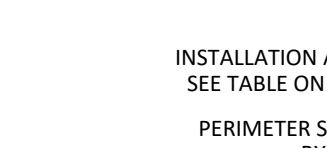
SCALE: NTS

DWG. #: END003

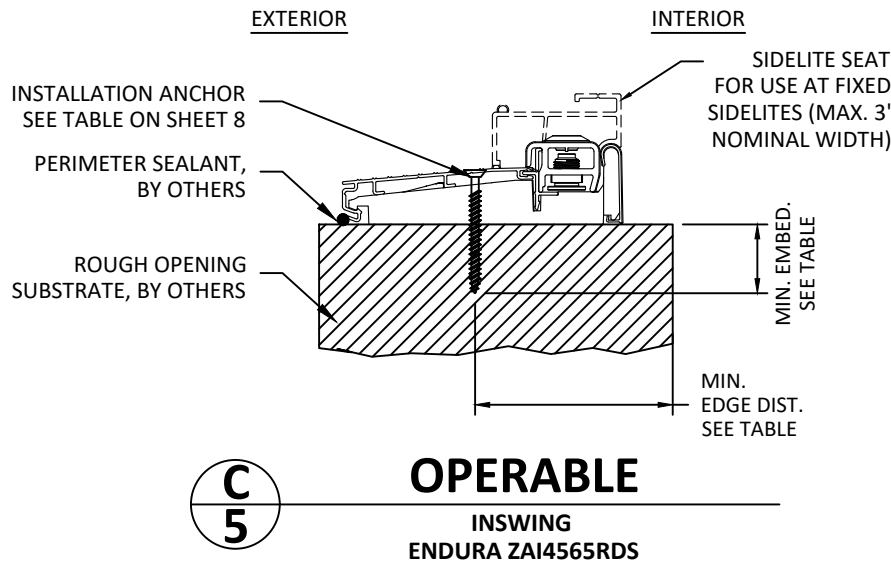
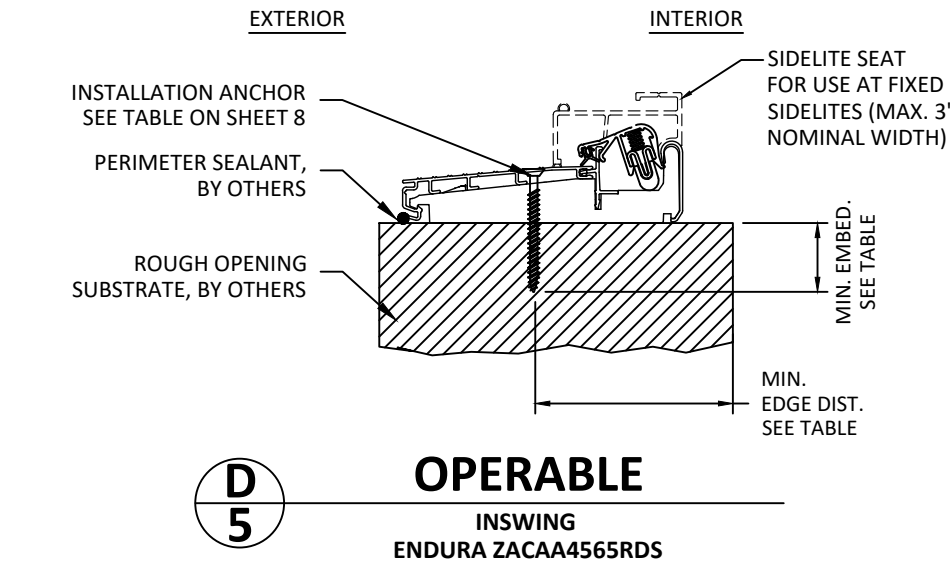
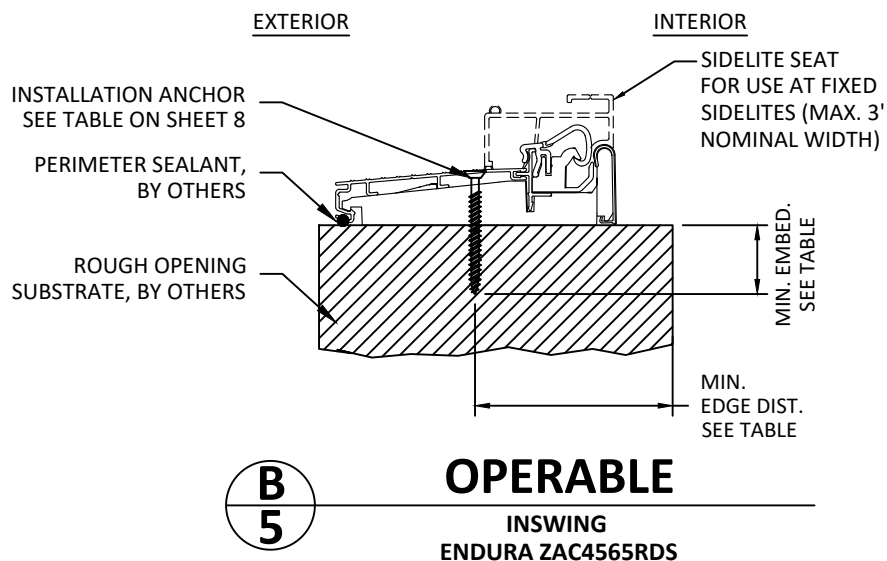
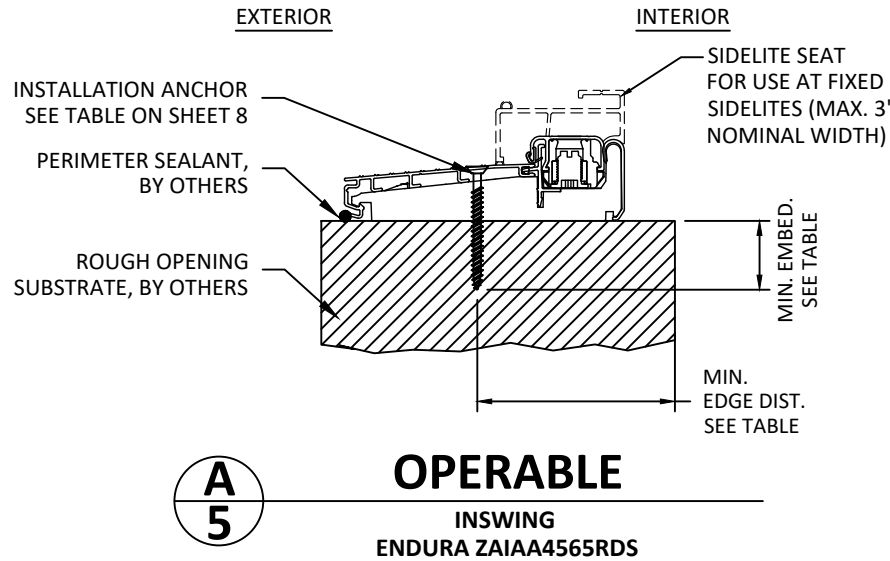
SHEET:

3

OF 8

THRESHOLD MODEL	CONFIGURATION	MAX. NOMINAL O.A. SIZE	MAX. DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
 ZAC4565RDS	X	3'-0" X 6'-8"	65	70
		3'-0" X 8'-0"	60	65
	XX	6'-0" X 6'-8"	45	45
		6'-0" X 8'-0"	35	35
 ZAI4565RDS	OXO	9'-0" X 6'-8"	55	60
		9'-0" X 8'-0"	40	40
 ZACAA4565RDS	X	3'-0" X 6'-8"	65	70
		3'-0" X 8'-0"	60	65
	XX	6'-0" X 6'-8"	50	50
		6'-0" X 8'-0"	50	40
 ZAI4565RDS	OXO	9'-0" X 6'-8"	55	60
		9'-0" X 8'-0"	40	40
 ZAI4565RDS	X	3'-0" X 6'-8"	65	70
		3'-0" X 8'-0"	60	65
	XX	6'-0" X 6'-8"	50	50
		6'-0" X 8'-0"	50	40
 ZAI4565RDS	OXO	9'-0" X 6'-8"	55	60
		9'-0" X 8'-0"	40	40

- DESIGN PRESSURE TABLE NOTES:
- ZAC4565RDS AND ZACAA4565RDS THRESHOLDS ARE ARTICULATING REPLACEMENT DECK THRESHOLD DESIGNS.
 - ZAI4565RDS AND ZAI4565RDS THRESHOLDS ARE ADJUSTABLE REPLACEMENT DECK THRESHOLD DESIGNS.
 - MAXIMUM LENGTH OF LINEAL THRESHOLDS IS 9', THUS OXO OR XO UNITS SHALL BE LIMITED TO NOMINAL 3' WIDE SIDELITES AND OPERABLE DOOR PANELS.
 - SHOULD DESIGN PRESSURES AND/OR SIZES HEREIN VARY FROM THOSE LISTED FOR THE DOOR, UNDER SEPARATE APPROVAL, THE LESSER DESIGN PRESSURE SHALL GOVERN.





PERFORMANCE STANDARD
ENDURA PERFORMANCE
STANDARD
8817 WEST MARKET STREET
COLFAX, NC 27735
PH: (336) 668-2472

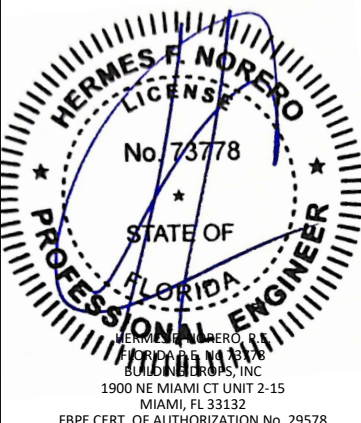
TITLE: Z-SERIES INSWING THRESHOLD (NON-HVHZ) (IMPACT)
Z-RDS SERIES SILL DETAILS & DESIGN PRESSURE RATINGS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
RDS PG UPGRADE	SM	12/16
LH ADDITION	YC	05/20
ADA SILL ADDITION	FB	03/24
ADA SILL CONFIG. UPD.	FB	12/24

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA PROFESSIONAL ENGINEER
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL20153

DATE: 05.22.2020

DWG. BY: YC	CHK. BY: HFN
----------------	-----------------

SCALE: NTS

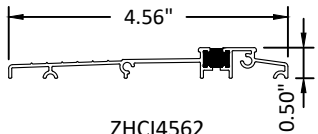
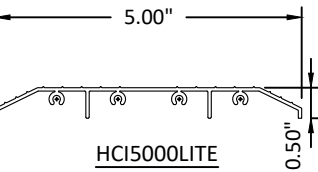
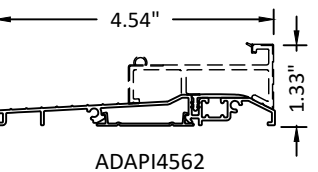
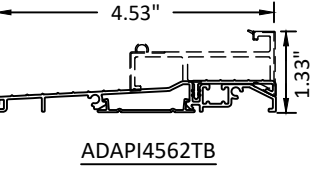
DWG. #: END003

SHEET:

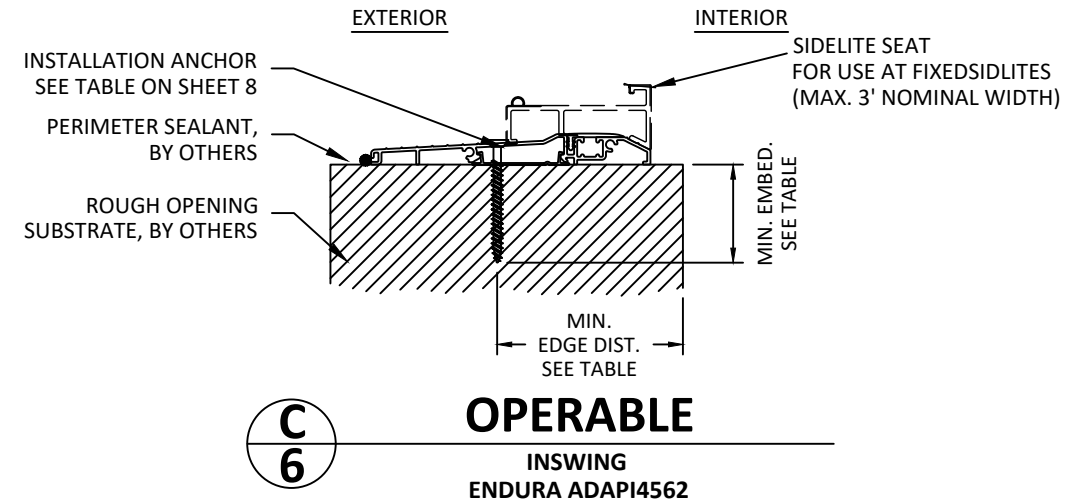
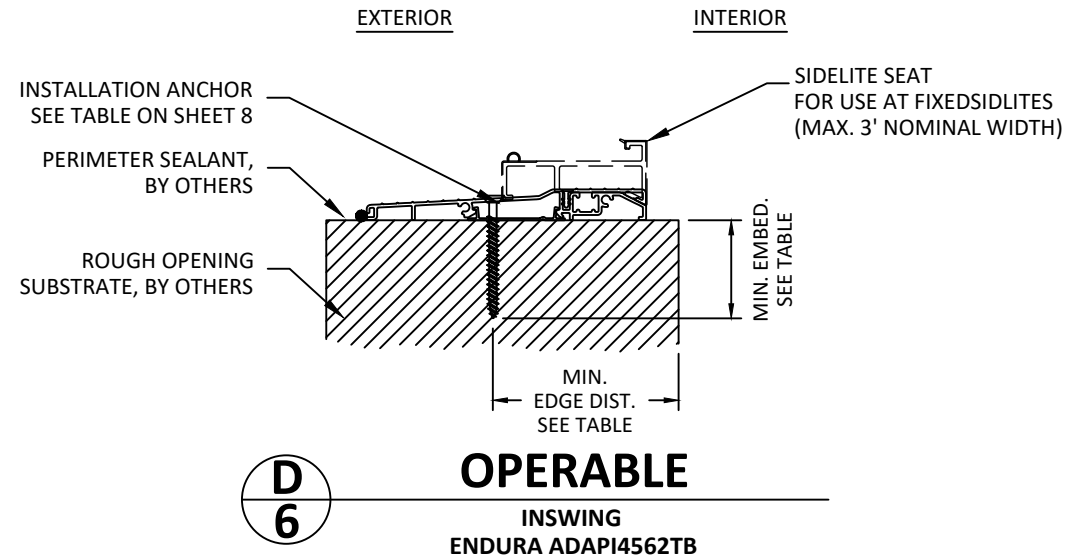
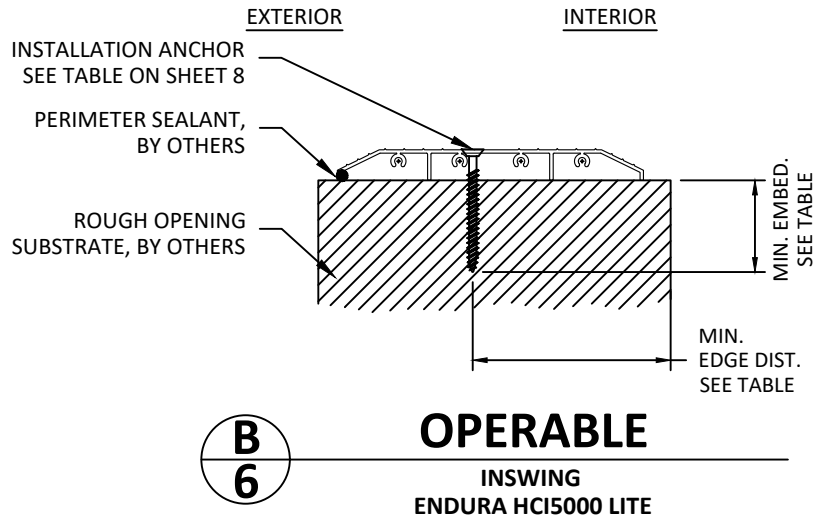
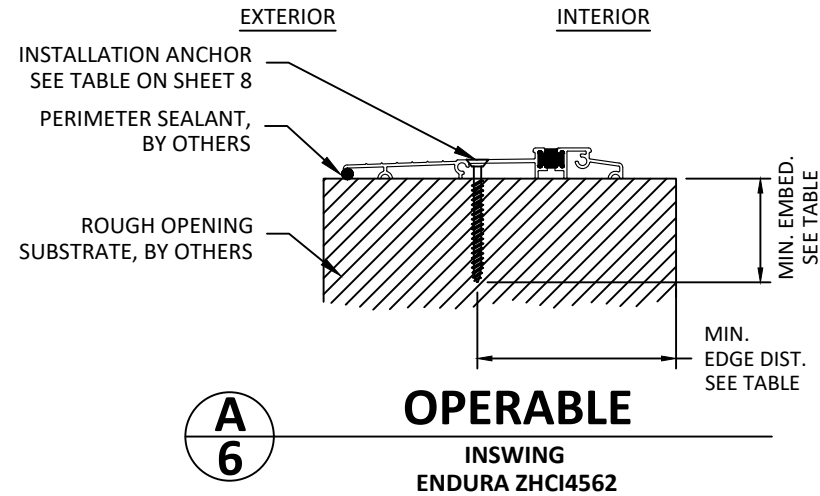
5

OF 8

c:\users\francisco\building drops, inc\building drops\landing - common\projects\endura products, inc\fbc-24-0939\1 - fbc submittal - fl20153 is, os thresholds\dwgs\end003.dwg 2/14/2025 12:58 PM

THRESHOLD MODEL	CONFIGURATION	MAX. NOMINAL O.A. SIZE	MAX. DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
 ZHCI4562	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
 HCI5000LITE	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
 ADAPI4562	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	OX	6'-1 31/32" X 6'-9 1/16"	65	65
 ADAPI4562TB	X	3'-0" X 6'-8"	65	65
		3'-0" X 8'-0"	65	65
	OX	6'-1 31/32" X 6'-9 1/16"	65	65
	XX	6'-0" X 6'-8"	65	65

- DESIGN PRESSURE TABLE NOTES:
- THRESHOLDS ABOVE ARE ADA TYPE THRESHOLDS.
 - ADA COMPLIANCE OF DOOR SYSTEM IS OUTSIDE THE SCOPE OF THIS APPROVAL.
 - SHOULD DESIGN PRESSURES AND/OR SIZES HEREIN VARY FROM THOSE LISTED FOR THE DOOR, UNDER SEPARATE APPROVAL, THE LESSER DESIGN PRESSURE SHALL GOVERN.





PERFORMANCE STANDARD
ENDURA PERFORMANCE
STANDARD
8817 WEST MARKET STREET
COLFAX, NC 27735
PH: (336) 668-2472

TITLE: Z-SERIES INSWING THRESHOLD (NON-HVHZ) (IMPACT)
Z-SERIES ADA SILL DETAILS & DESIGN PRESSURE RATINGS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954) 999-9478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



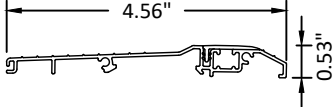
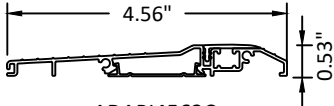
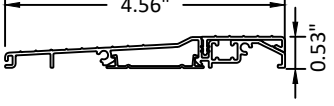
REMARKS	BY	DATE
RDS PG UPGRADE	SM	12/16
LH ADDITION	YC	05/20
ADA SILL ADDITION	FB	03/24
ADA SILL CONFIG. UPD.	FB	12/24

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



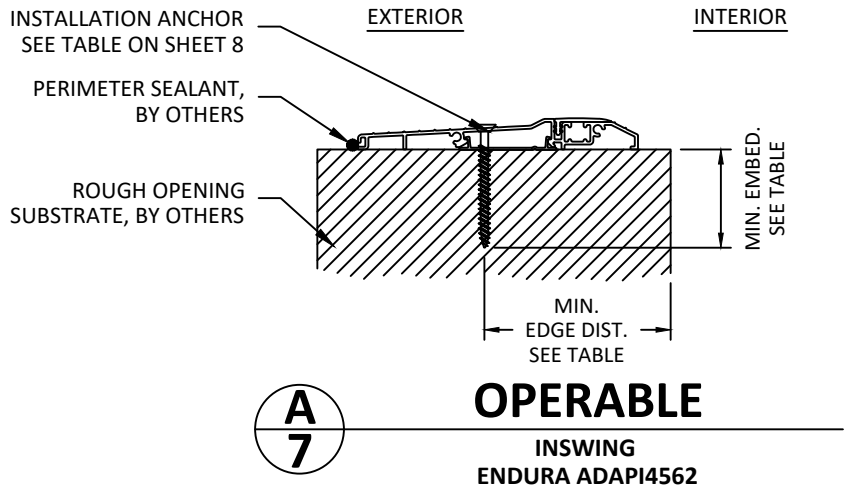
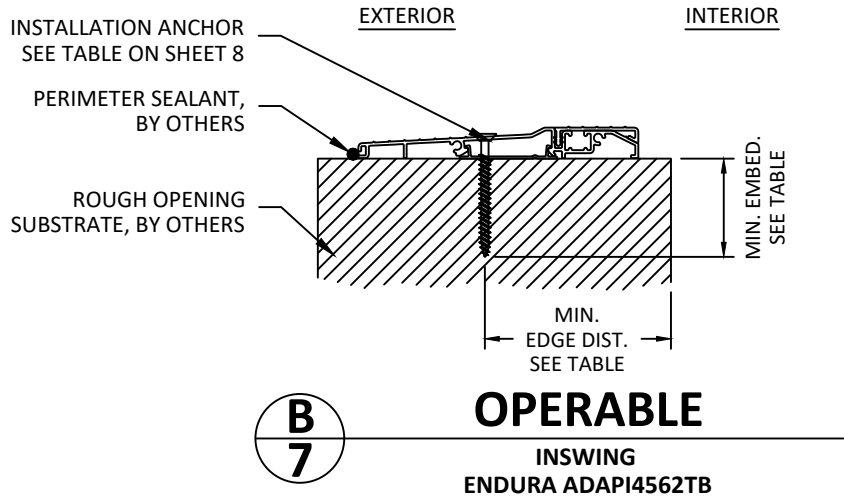
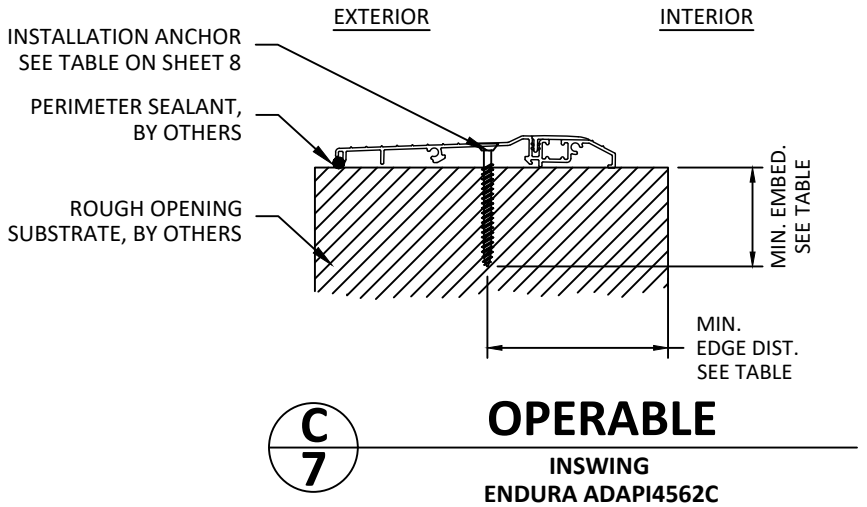
HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL20153
DATE:	05.22.2020
DWG. BY:	CHK. BY:
YC	HFN
SCALE:	NTS
DWG. #:	END003
SHEET:	6

THRESHOLD MODEL	CONFIGURATION	MAX. NOMINAL O.A. SIZE	MAX. DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
 ADAPI4562	X	3'-0" X 6'-8"	70	70
		3'-0" X 8'-0"	70	70
	OX	6'-1 31/32" X 6'-9 1/16"	65	65
 ADAPI4562C	X	3'-0" X 6'-8"	70	70
		3'-0" X 8'-0"	70	70
	OX	6'-1 31/32" X 6'-9 1/16"	65	65
 ADAPI4562TB	X	3'-0" X 6'-8"	70	70
		3'-0" X 8'-0"	70	70
	OX	6'-1 31/32" X 6'-9 1/16"	65	65

DESIGN PRESSURE TABLE NOTES:

1. THRESHOLDS ABOVE ARE ADA TYPE THRESHOLDS.
2. ADA COMPLIANCE OF DOOR SYSTEM IS OUTSIDE THE SCOPE OF THIS APPROVAL.
3. SHOULD DESIGN PRESSURES AND/OR SIZES HEREIN VARY FROM THOSE LISTED FOR THE DOOR, UNDER SEPARATE APPROVAL, THE LESSER DESIGN PRESSURE SHALL GOVERN.



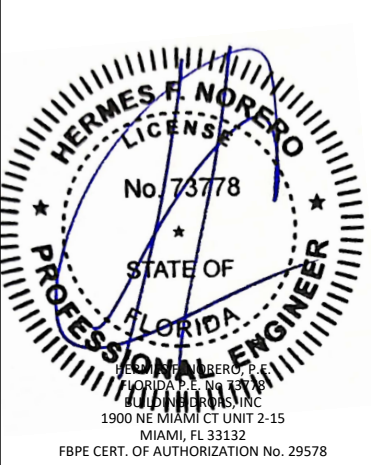


PERFORMANCE STANDARD
ENDURA PERFORMANCE
STANDARD
8817 WEST MARKET STREET
COLFAX, NC 27735
PH: (336) 668-2472

TITLE: Z-SERIES INSWING THRESHOLD (NON-HVHZ) (IMPACT)
Z-SERIES ADA SILL DETAILS & DESIGN PRESSURE RATINGS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954) 999-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
RDS PG UPGRADE	SM	12/16
LH ADDITION	YC	05/20
ADA SILL ADDITION	FB	03/24
ADA SILL CONFIG. UPD.	FB	12/24
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.		



HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL20153

DATE: 05.22.2020

DWG. BY: YC CHK. BY: HFN

SCALE: NTS

DWG. #: END003

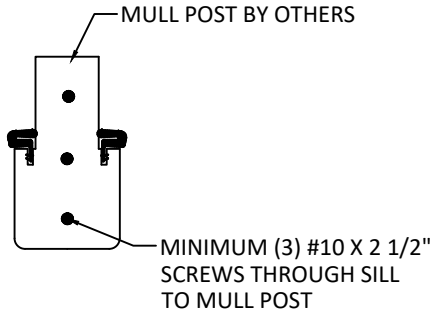
SHEET:

7 OF 8

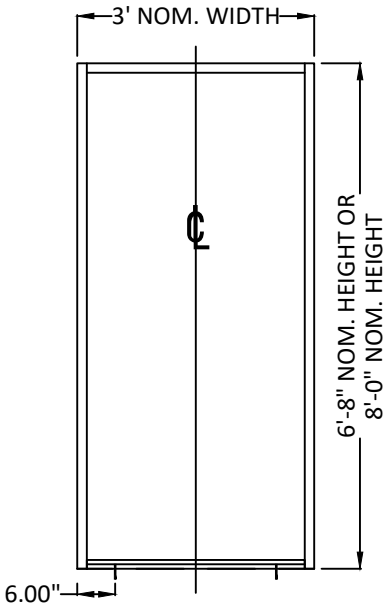
INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR THROUGH SILL IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING, AND SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
- SEE SHEETS 2 - 7 FOR MORE DETAILS OF THE INSTALLATION REQUIREMENTS, INCLUDING ANCHOR LOCATIONS, EDGE DISTANCES, EMBEDMENTS, AND SHIM SPACING. REFER TO ANCHOR TABLE BELOW FOR EDGE DISTANCE AND EMBEDMENT REQUIREMENTS.
- INSTALLATION OF JAMBS AND MULL POST SHALL FOLLOW ENDURA PROVIDED GUIDELINES.
- INSTALLATION OF ASTRAGAL SHOOT BOLT STRIKE SHALL FOLLOW ASTRAGAL MANUFACTURER'S RECOMMENDATIONS, UNDER SEPARATE APPROVAL.
- SHOULD THE ANCHOR LAYOUT HEREIN FOR ANCHORAGE OF THE THRESHOLD VARY FROM THE ANCHOR LAYOUT FOR THE DOOR ASSEMBLY UNDER SEPARATE APPROVAL, THE MORE CONSERVATIVE ANCHORING METHOD SHALL GOVERN. ANCHORING OF DOOR JAMBS AND HEAD SHALL BE AS QUALIFIED UNDER SEPARATE DOOR APPROVAL.
- PLEASE REFER TO THE ENDURA INSTALLATION OF THE JAMB AND MULL BOOTS FOR THE ADAPTIVE SERIES SILL: (ADAPI4562/ ADAPI4562TB / ADAPI4562 / ADAPI4562C / ADAPI4562TB).

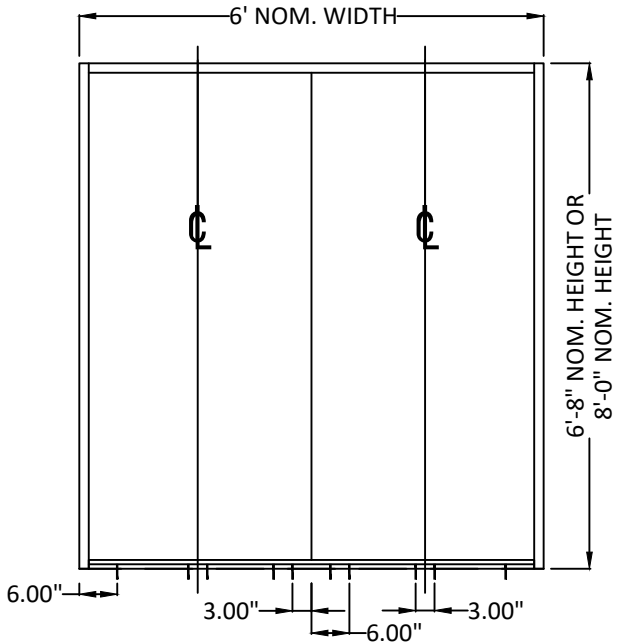
ANCHOR TABLE				
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD SCREW	#12	2X WOOD BUCK OR FRAMING	1-1/2"	1"
ITW TAPCON	1/4" X MIN. 2- 3/4"	CONCRETE	1-3/4"	1-1/2"
ELCO ULTRACON	1/4"	CONCRETE	1-3/8"	1"



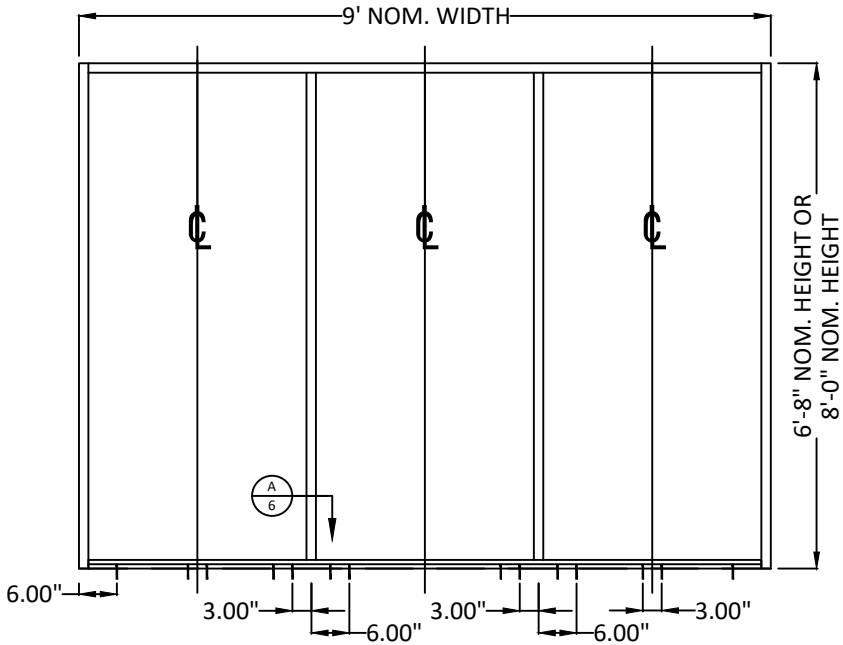
A
8 **MULL POST DETAIL**
OXO OR OX
TYPICAL



SINGLE DOOR ANCHOR LAYOUT
(X)



DOUBLE DOOR ANCHOR LAYOUT
(XX)



SINGLE DOOR WITH SIDELITES ANCHOR LAYOUT
(OXO)



PERFORMANCE STANDARD
ENDURA PERFORMANCE
STANDARD
8817 WEST MARKET STREET
COLFAX, NC 27735
PH: (336) 668-2472

TITLE: Z-SERIES INSWING THRESHOLD (NON-HVHZ) (IMPACT) INSTALLATION, ANCHOR LAYOUTS, SPECIFICATIONS AND NOTES

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954) 999-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
RDS PG UPGRADE	SM	12/16
LH ADDITION	YC	05/20
ADA SILL ADDITION	FB	03/24
ADA SILL CONFIG. UPD.	FB	12/24

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:		FL20153
DATE:		05.22.2020
DWG. BY:	CHK. BY:	
YC	HFN	
SCALE:		NTS
DWG. #:		END003
SHEET:		