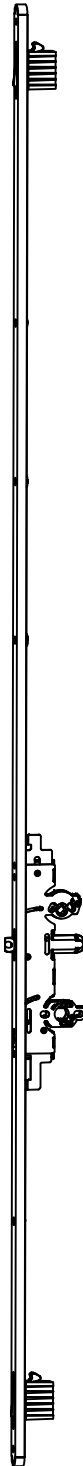


PanoLock Multi-Point Lock *in a Single or Double Door* INSWING / OUTSWING "IMPACT"

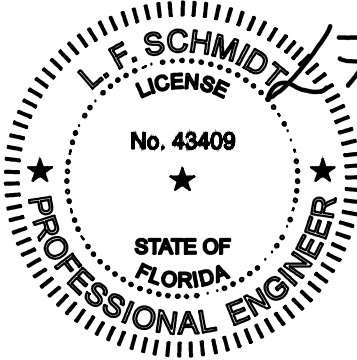
GENERAL NOTES

1. This product anchoring has been developed to be in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
2. When used in the HVHZ, this product complies with FBC Section 1626 and does not require an impact resistant covering.
3. This product has been tested in the door panels as specified in this approval. Substitution into a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the fiberglass single or double door system used must possess a comparable current Florida Statewide product approval (including the HVHZ). The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the side hinged swing single or double door approval being used.
4. 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 Sections, Design Pressures & General Notes
2	Door Panel Details
3	Elevations
4	Vertical Cross Sections
5	Horizontal Cross Sections
6	Buck Anchoring
7	Frame Anchoring
8	Bill of Materials & Components



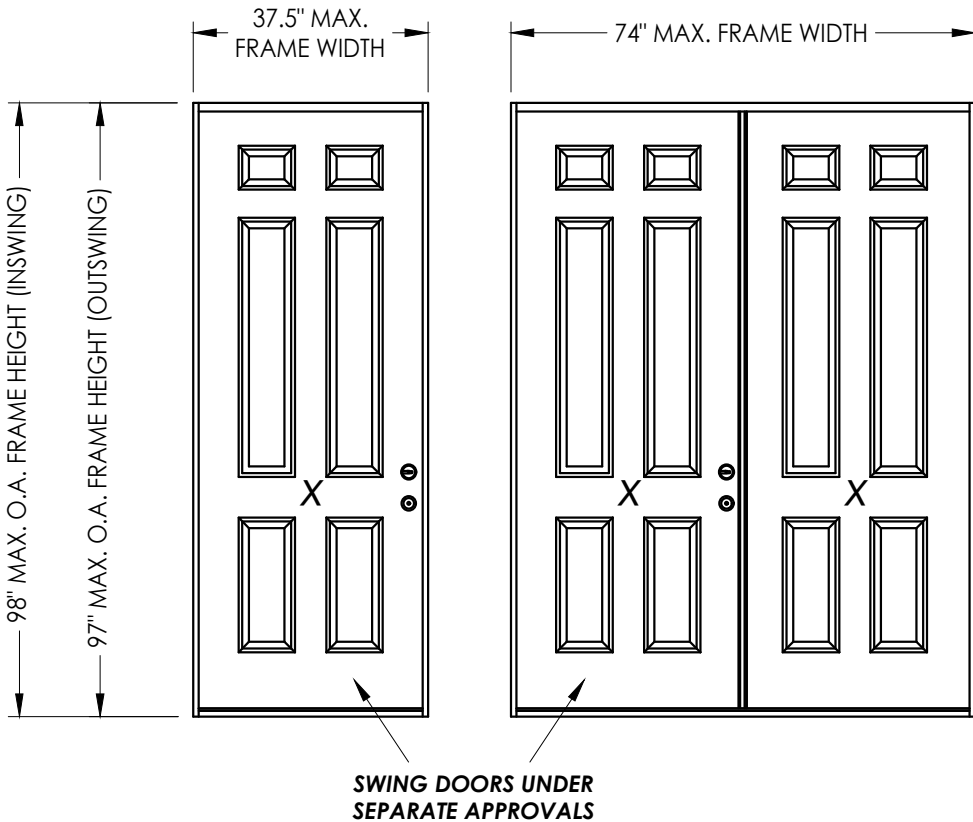
PanoLock Multi-Point Lock



Digitally signed by Lyndon F Schmidt
Date: 2024.05.02 12:09:48 -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



CONFIGURATION	MAX FRAME DIMENSION	DESIGN PRESSURE (PSF)			
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98"	+75.0	-75.0	+75.0	-75.0
XX	74" x 98"	+45.0	-55.0	+45.0	-45.0

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

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

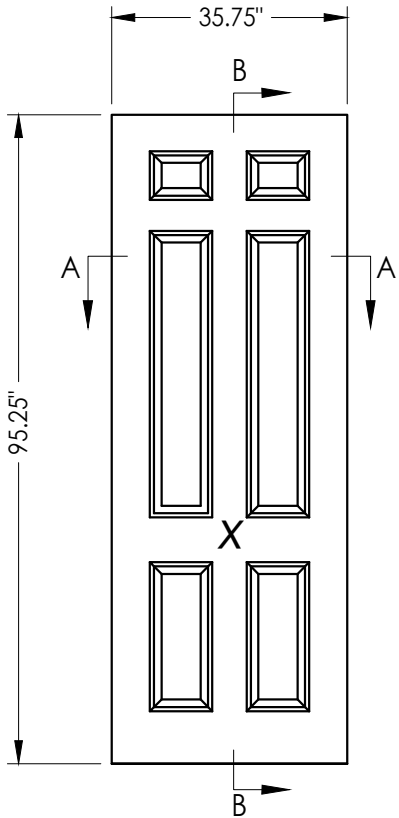
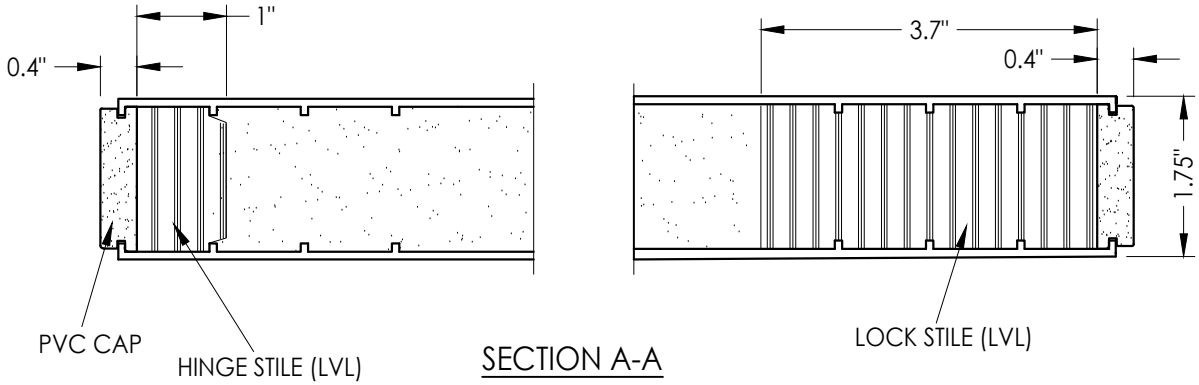
PRODUCT: ENDURA

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

2	5/02/24	ADD MODERN ASTRAGAL PROFILE	LFS		
1	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
NO.	DATE			BY	
					REVISIONS

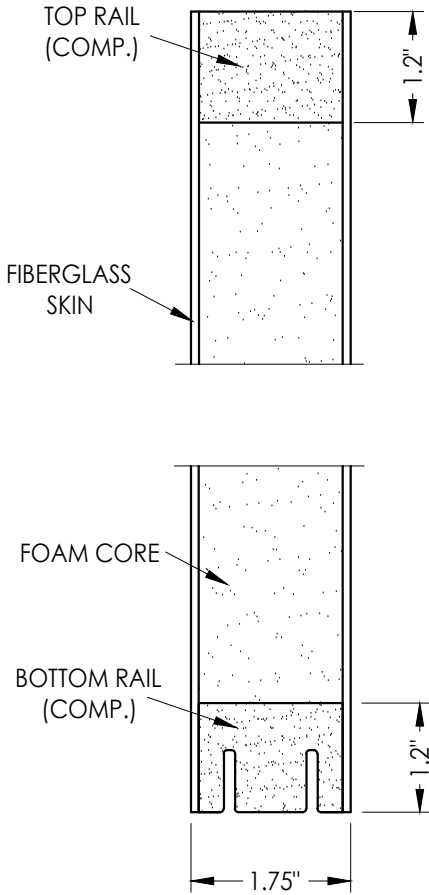
DATE:	5/20/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-38695.4
SHEET	1 OF 8

Z:\2023 FBC Drawings\Endura Products\FL-38695 R1\FL-38695.4.dwg



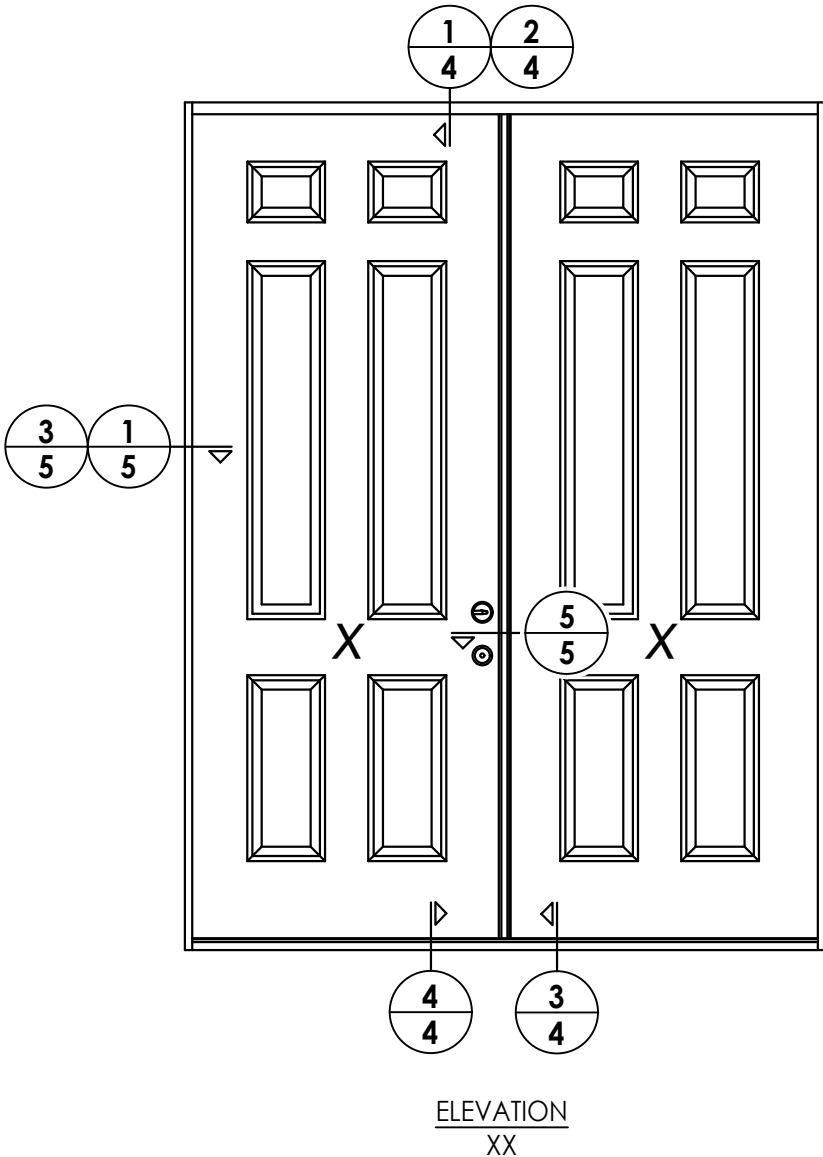
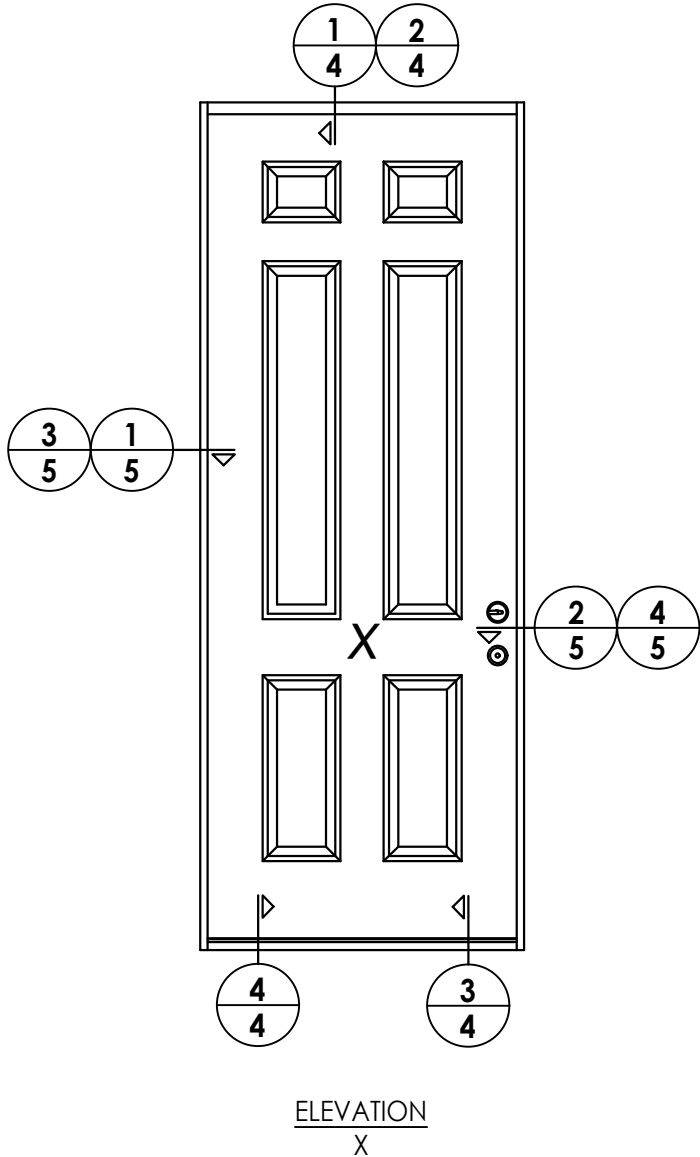
FIBERGLASS DOOR PANEL
Plastpro 8'-0"
Opaque

FIBERGLASS SKIN: 0.130" MIN. THK.
FOAM CORE: POLYURETHANE



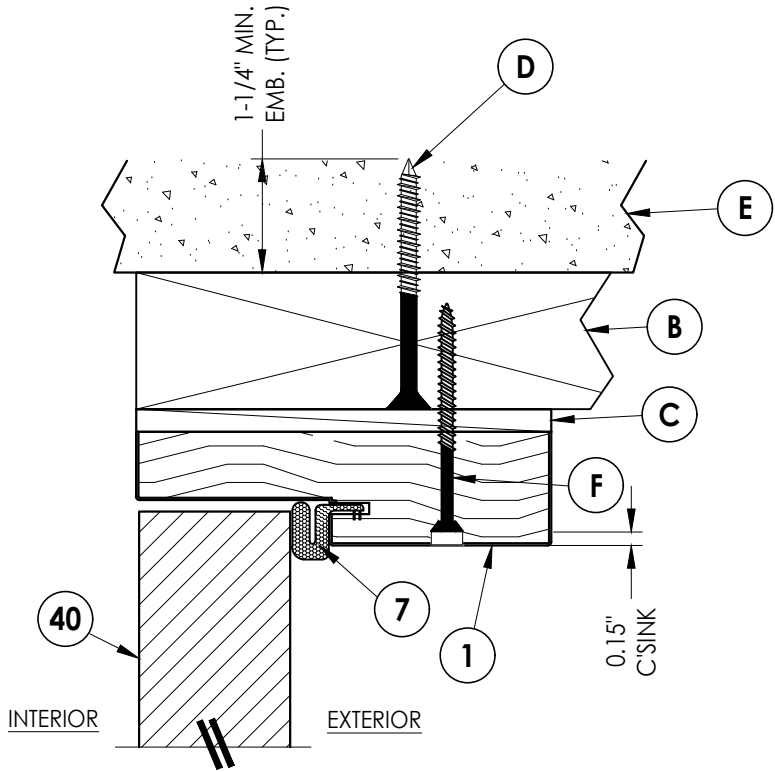
SECTION B-B

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ENDURA				PART OR ASSEMBLY: DOOR PANEL DETAILS			
				2	5/02/24	ADD MODERN ASTRAGAL PROFILE	LFS
				1	7/06/23	UPDATE TO 8TH ED. (2023)	FBC
				NO.	DATE		BY
				REVISIONS			
DATE: 5/20/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-38695.4							
SHEET 2 OF 8							

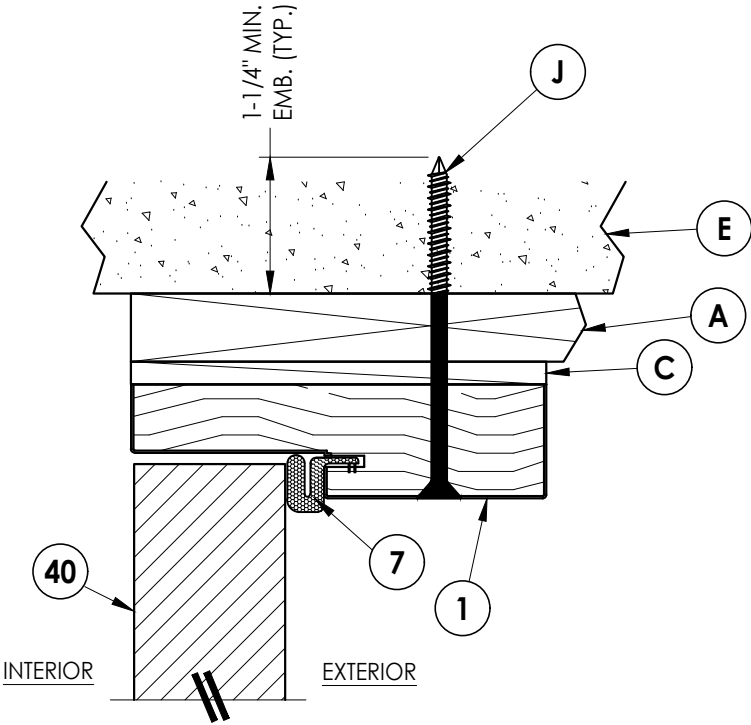


DATE: 5/20/21										Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
SCALE: N.T.S.																			
DWG. BY: RW																			
CHK. BY: LFS																			
DRAWING NO.: FL-38695.4																			
SHEET 3 OF 8										PRODUCT: ENDURA									
										PART OR ASSEMBLY: ELEVATIONS									

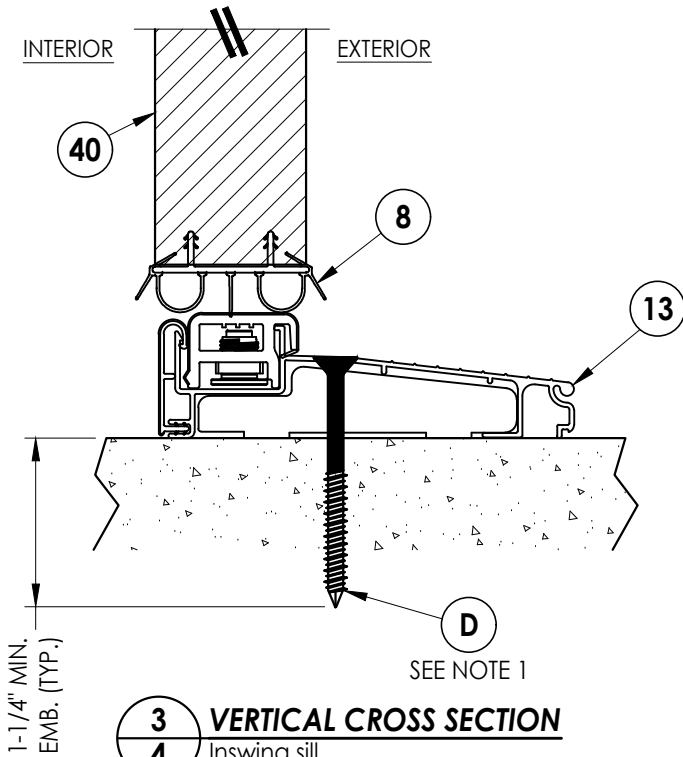
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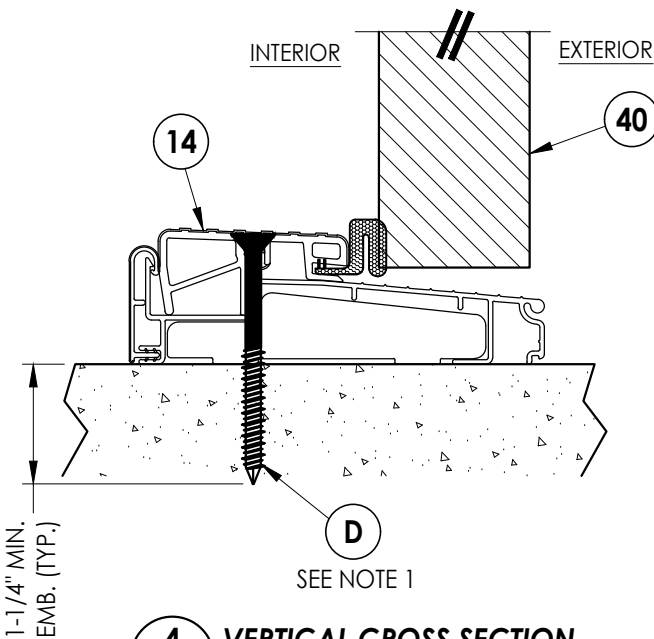
1
4 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



2
4 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction



3
4 **VERTICAL CROSS SECTION**
Inswing sill

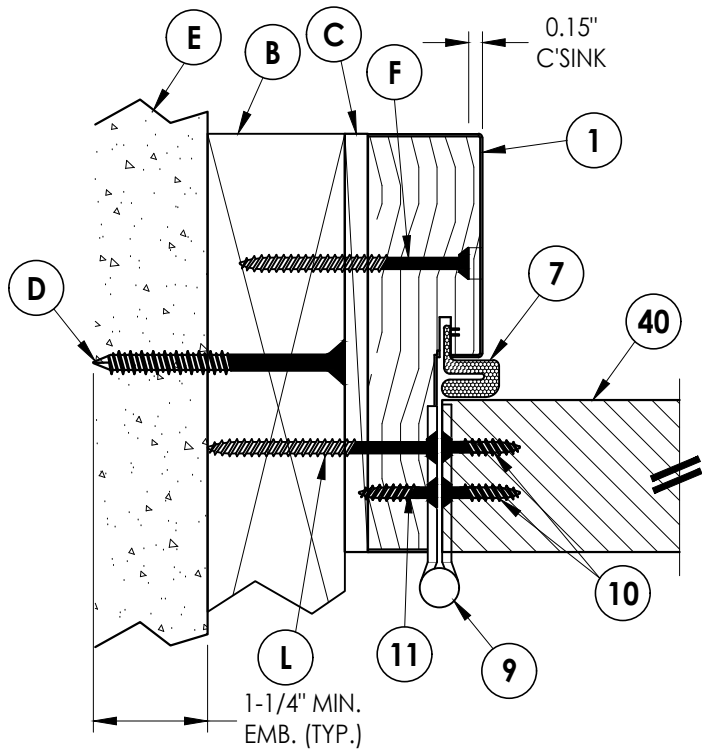


4
4 **VERTICAL CROSS SECTION**
Outswing sill

NOTE:
1. SILL ANCHORS ARE NOT REQUIRED FOR
SINGLE DOOR CONFIGURATIONS.

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PRODUCT: ENDURA		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS					
				LFS	LFS	BY	
				ADD MODERN ASTRAGAL PROFILE	FBC		
				UPDATE TO 8TH ED. (2023)			
				NO.	DATE		
				REVISIONS			
DATE: 5/20/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-38695.4							
SHEET 4 OF 8							

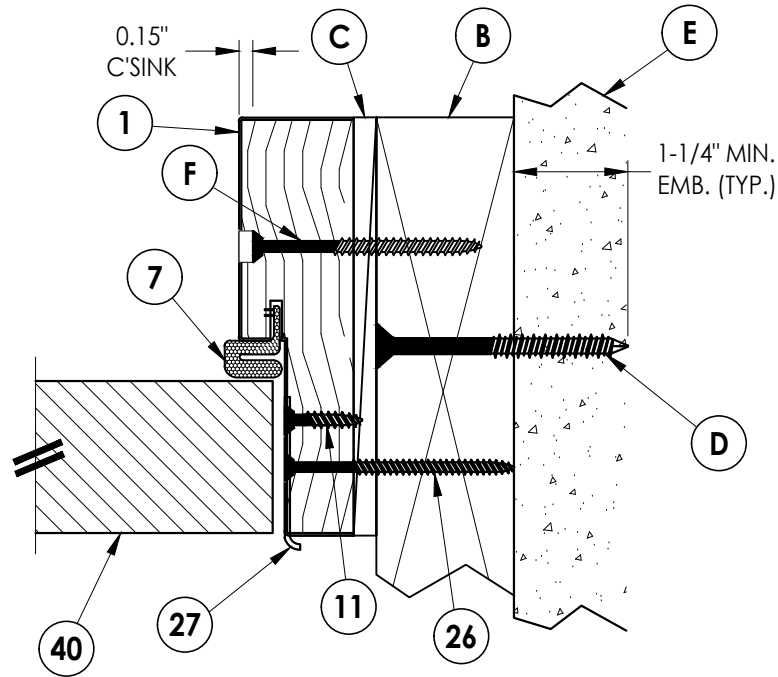
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1 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)
2X Buck Construction

EXTERIOR

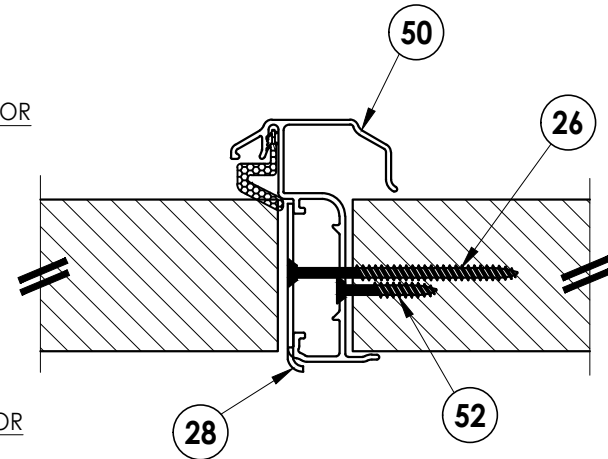
INTERIOR



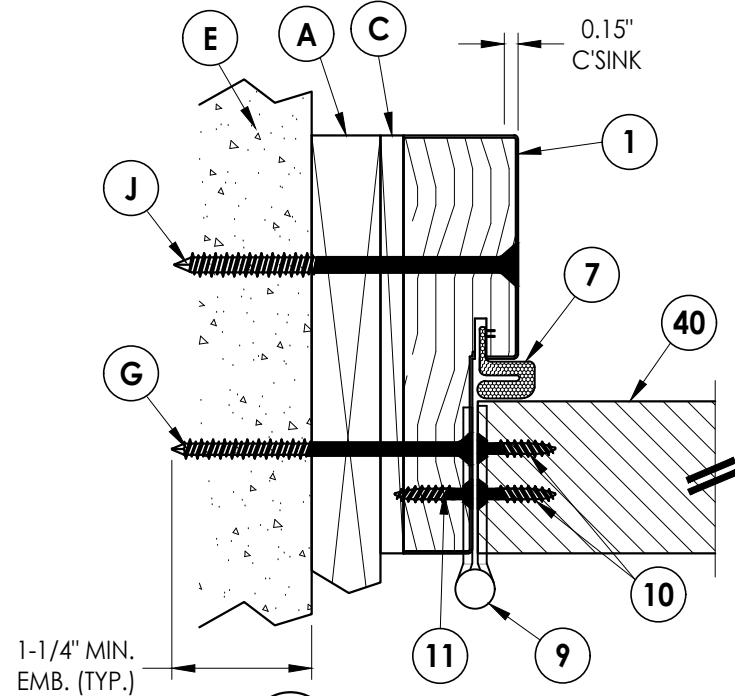
2 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)
2X Buck Construction

EXTERIOR

INTERIOR



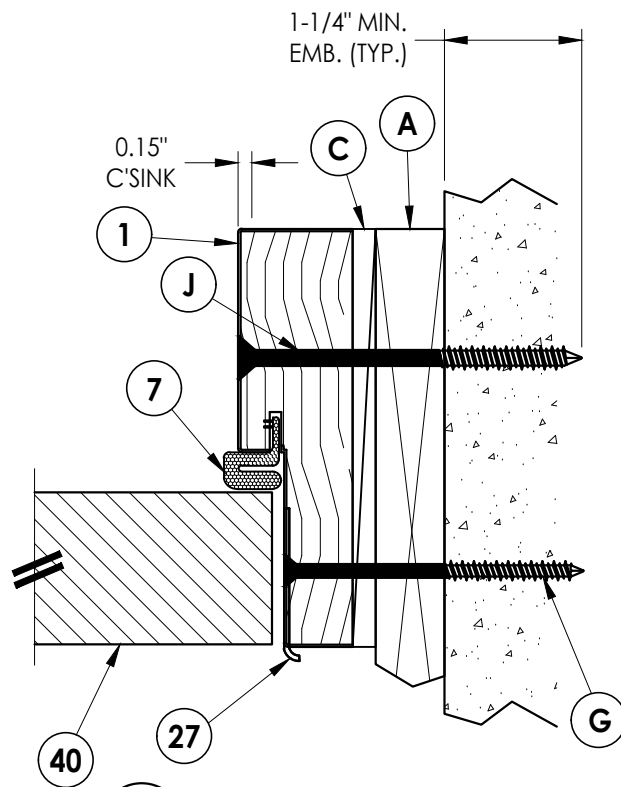
5 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)



3 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)
1X Buck Construction

EXTERIOR

INTERIOR



4 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)
1X Buck Construction

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: **ENDURA**

PART OR ASSEMBLY:

HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	
		BY	
2	5/02/24	LFS	ADD MODERN ASTRAGAL PROFILE
1	7/06/23	FBC	UPDATE TO 8TH ED. (2023)

DATE: 5/20/21

SCALE: N.T.S.

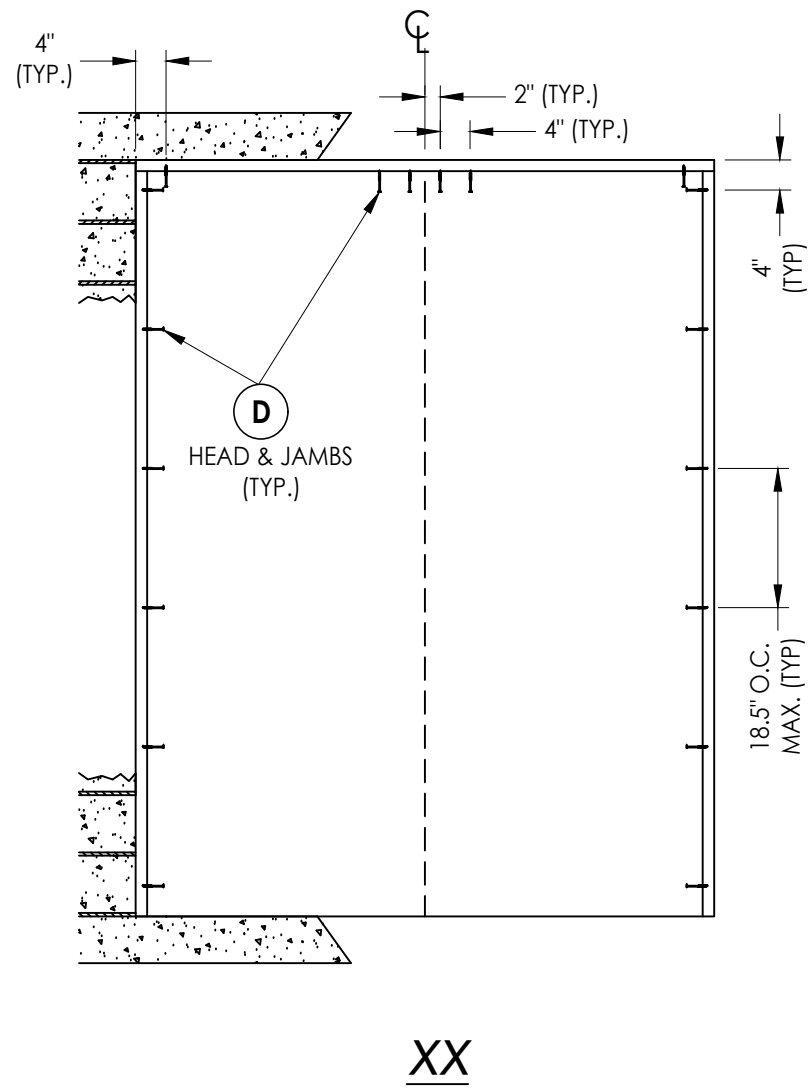
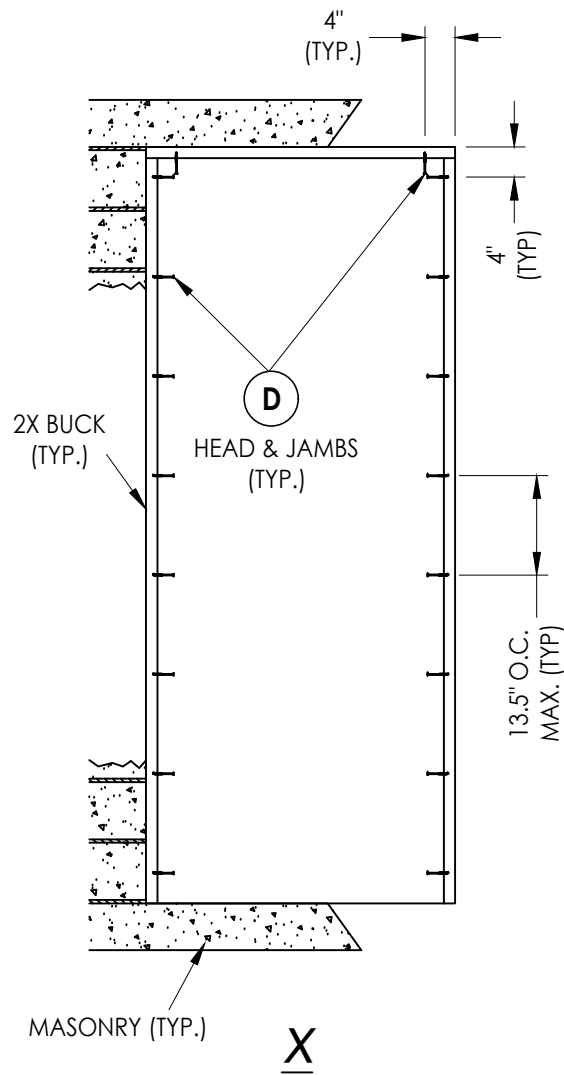
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-38695.4

SHEET 5 OF 8



2X BUCK ANCHORING

[illegible]

DATE: 5/20/21

SCALE: *N.T.S.*

DWG. BY: RW

CHK. BY: *LFS*

DRAWING NO.:
FL-38695.4

SHEET 6 OF 8

PRODUCT:

ENDURA

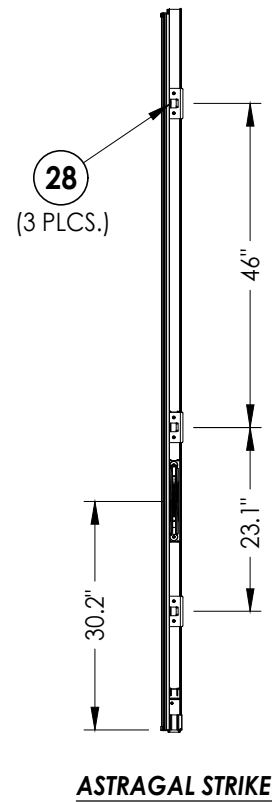
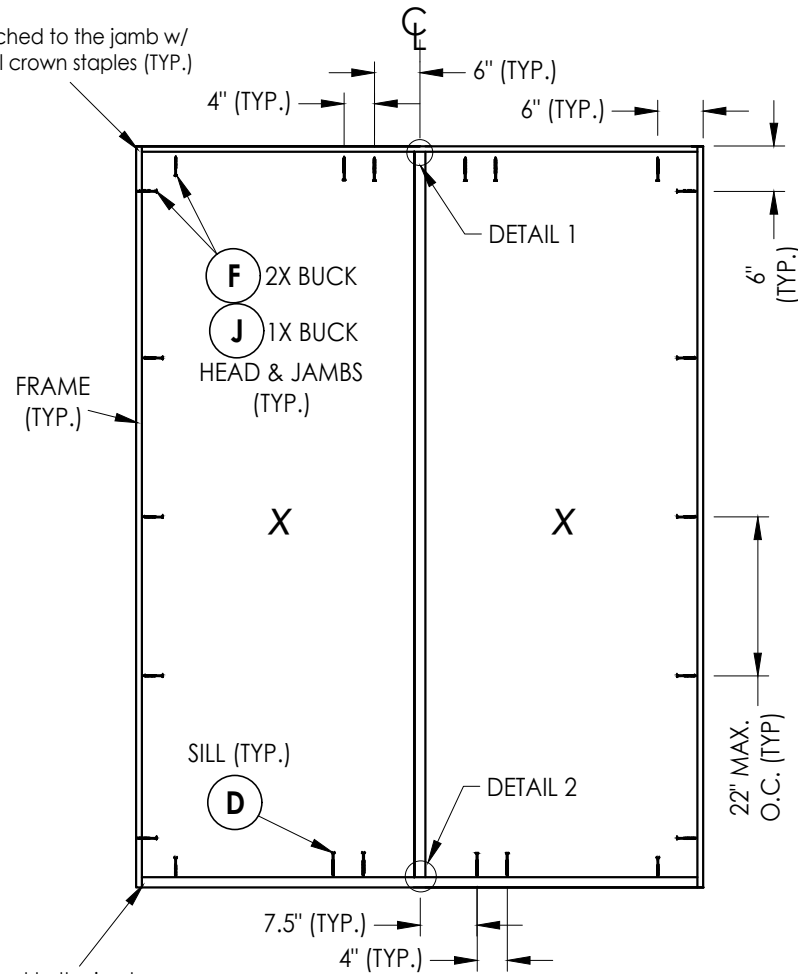
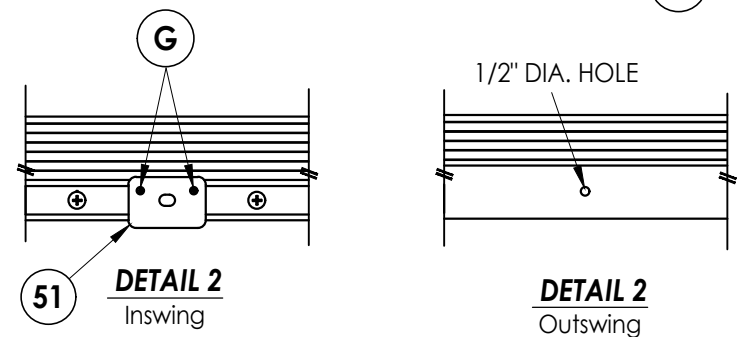
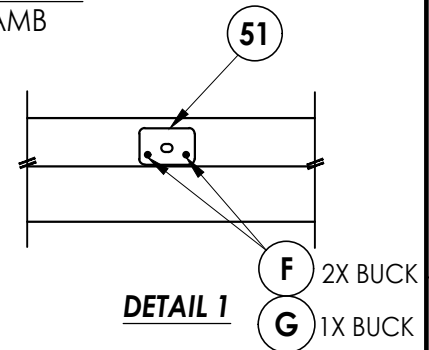
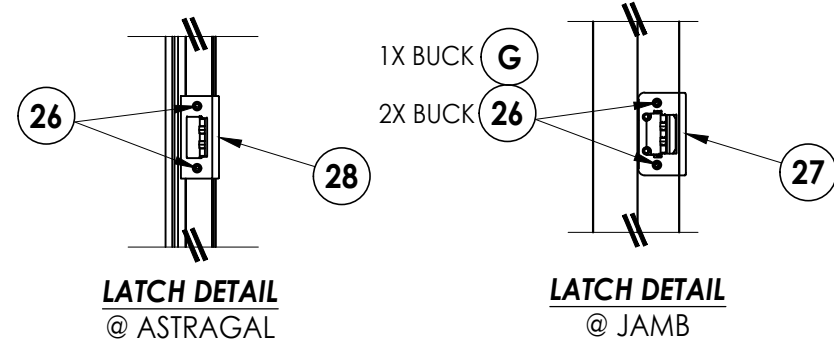
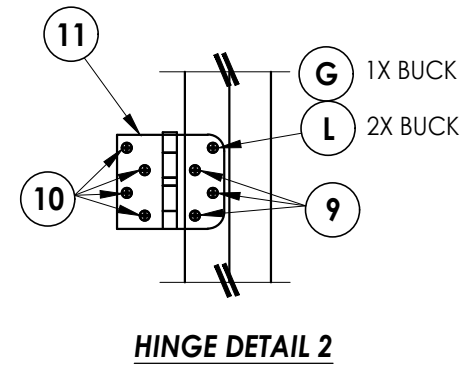
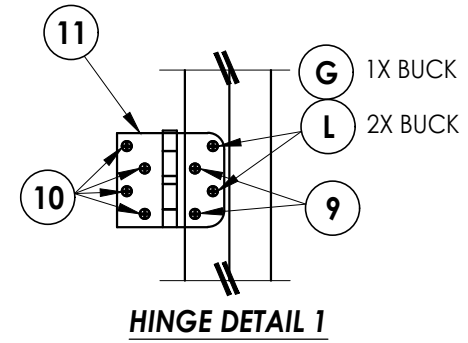
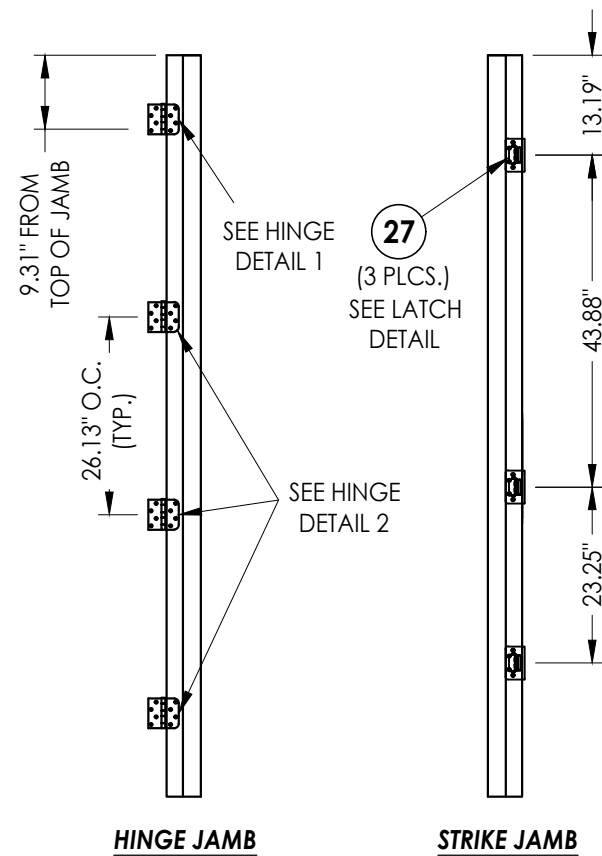
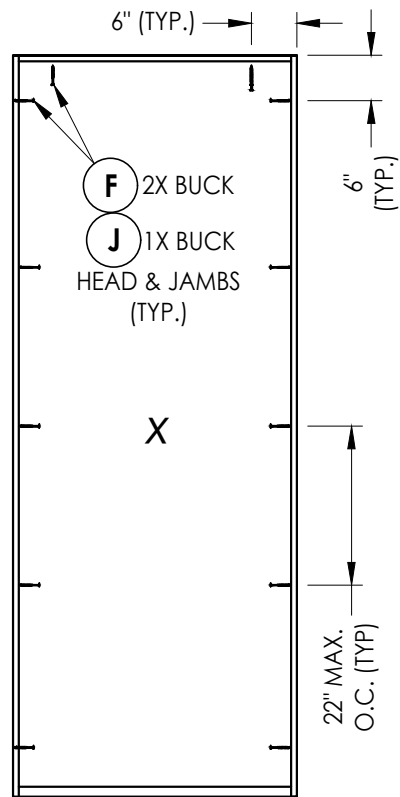
PART OR ASSEMBLY:

BUCK ANCHORING

Documents Prepared By:
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FBPE Registry No. 9813

The threshold is attached to the jamb w/ (3) 7/16" x 2" steel crown staples & (1) #8 x 1-5/8" wood screw (TYP.)



FRAME ANCHORING

[illegible]

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
G	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	FINGER JOINTED PINE JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	PVC
9	4" X 4" BUTT HINGE	STEEL
10	#9 X 1" PFH WOOD SCREW	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
26	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE (JAMB)	STEEL
28	LATCH STRIKE PLATE (ASTRAGAL)	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	ENDURA ULTIMATE PANOLOCK ASTRAGAL	ALUM
51	ASTRAGAL BOLT STRIKE PLATE	STEEL
52	#10 X 1-1/2" FH WOOD SCREW	STEEL

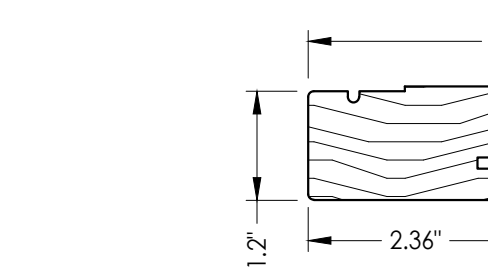
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

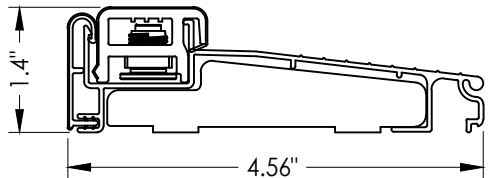
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

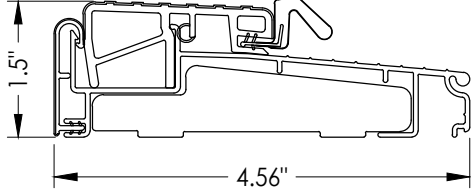
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



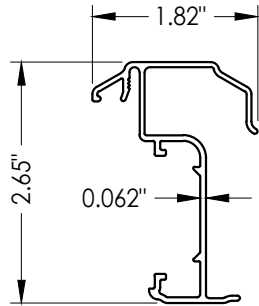
1 WOOD JAMB



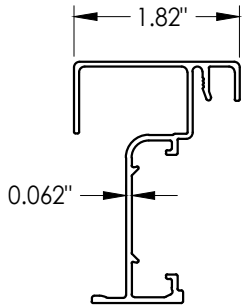
13 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



14 OUTSWING THRESHOLD
ZOBL4565



"TRADITIONAL" PROFILE



"MODERN" PROFILE

50 ENDURA ULTIMATE PANOLOCK ASTRAGAL

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:
ENDURA

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
2	5/02/24	ADD MODERN ASTRAGAL PROFILE
1	7/06/23	UPDATE TO 8TH ED. (2023) FBC
LFS		
BY		

DATE: 5/20/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-38695.4

SHEET 8 OF 8