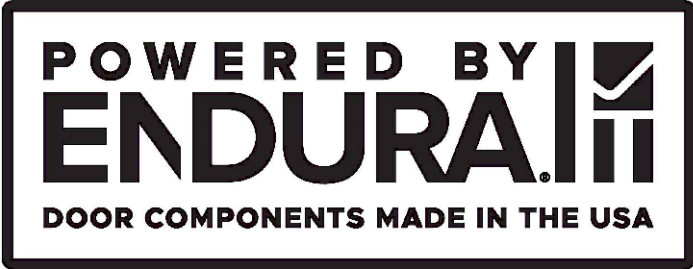


Z:\2023 FBC Drawings\Endura Products\FL-38695 R1\FL-38695.1.dwg



PanoLock Multi-Point Lock

in a Single or Double Door

INSWING / OUTSWING

"IMPACT"

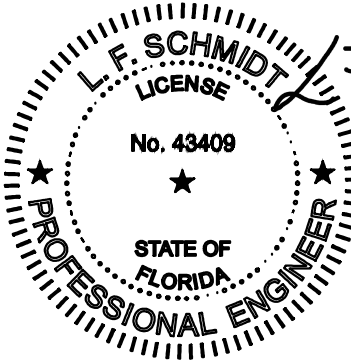
GENERAL NOTES

1. This product anchoring has been developed to be in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
2. When used in areas requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2. and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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. 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



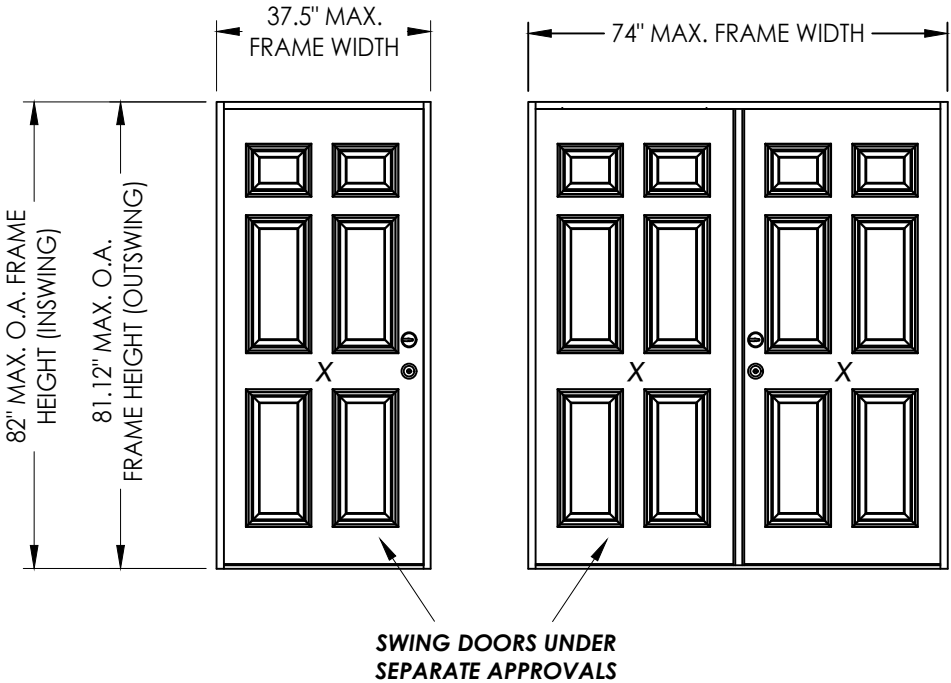
PanoLock Multi-Point Lock



Digitally signed by Lyndon F Schmidt
Date: 2024.05.02 12:11:19 -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



CONFIGURATION	MAX FRAME DIMENSION	DESIGN PRESSURE (PSF)			
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 82"	+65.0	-65.0	+65.0	-65.0
XX	74" x 82"	+55.0	-55.0	+55.0	-55.0

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

ENDURA

PRODUCT:

Part or Assembly:
TYPICAL SECTIONS, DESIGN
PRESSURES & GENERAL NOTES

PART OR ASSEMBLY:

5/02/24 ADD MODERN ASTRAGAL PROFILE
7/06/23 UPDATE TO 8TH ED. (2023) FBC

NO. DATE

21

REVISIONS

DATE: 5/04/21

SCALE: N.T.S.

DWG. BY: RW

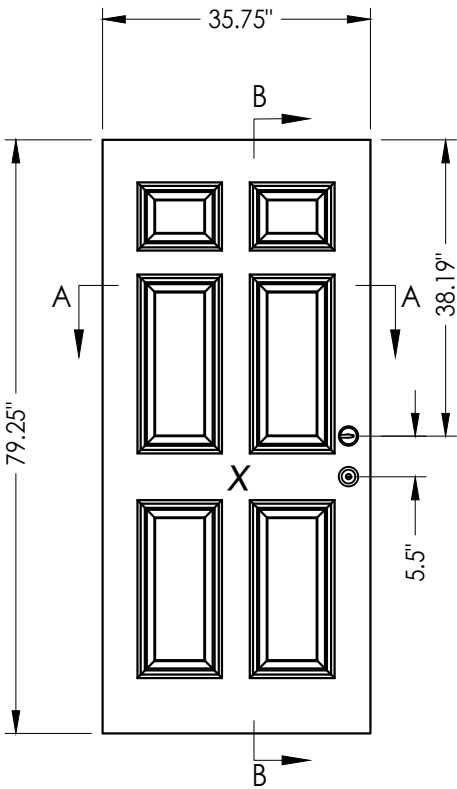
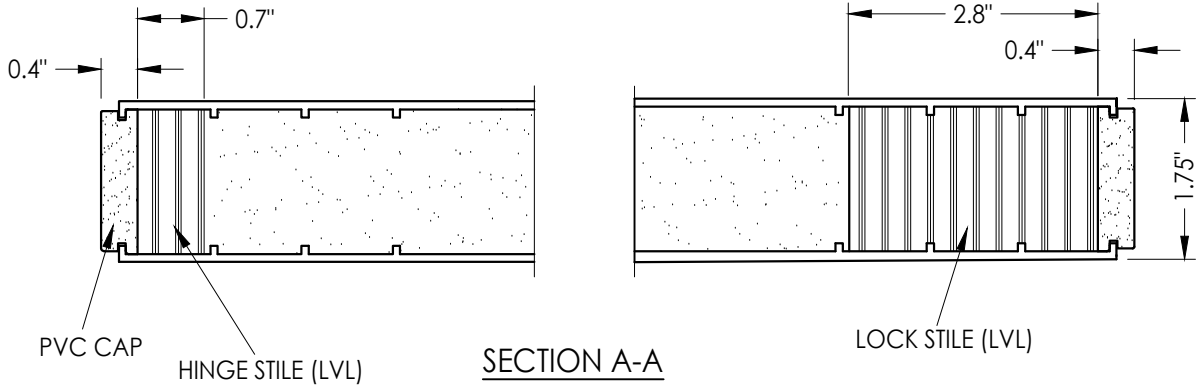
CHK. BY: LFS

DRAWING NO.: FL-38695.1

SHEET 1 OF 8

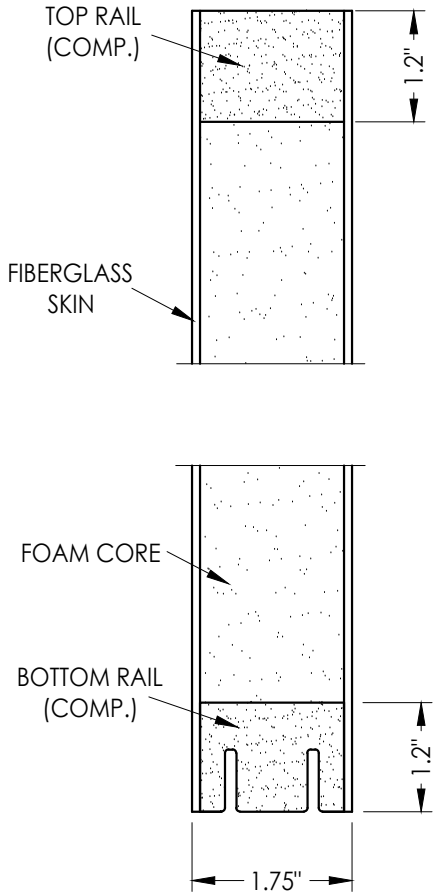
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

RW

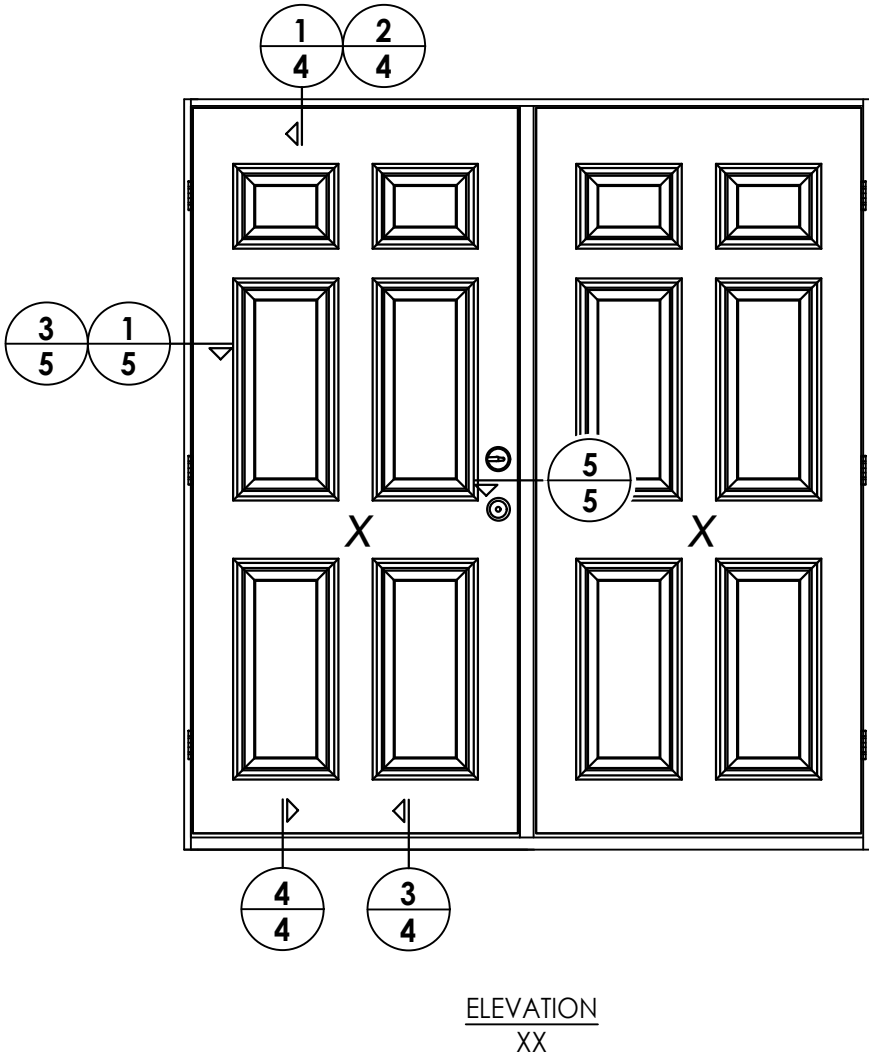
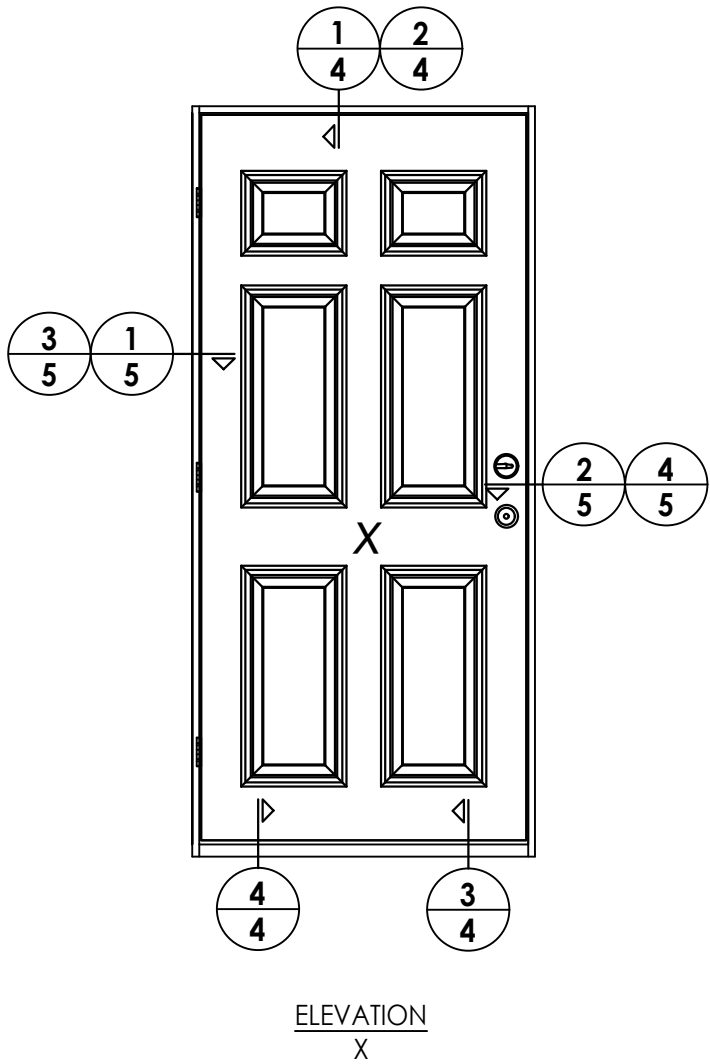


Plastpro 6' 8"
Opaque

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: POLYURETHANE

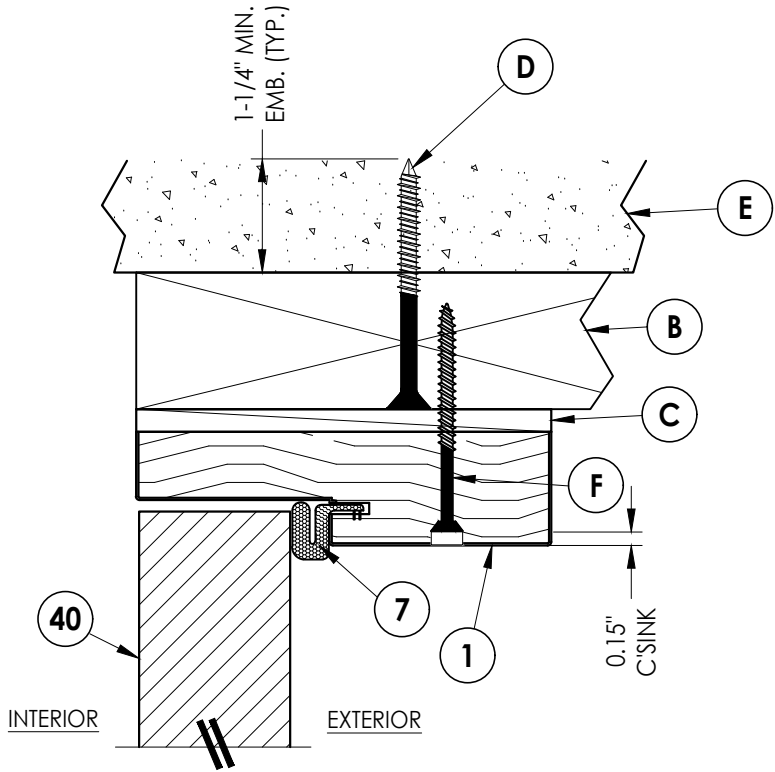


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409										BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
PRODUCT: ENDURA										PART OR ASSEMBLY: DOOR PANEL DETAILS									
										2	5/02/24	ADD MODERN ASTRAGAL PROFILE	LFS						
										1	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
										NO.	DATE			BY					
										REVISIONS									
DATE: 5/04/21																			
SCALE: N.T.S.																			
DWG. BY: RW																			
CHK. BY: LFS																			
DRAWING NO.: FL-38695.1																			
SHEET 2 OF 8																			

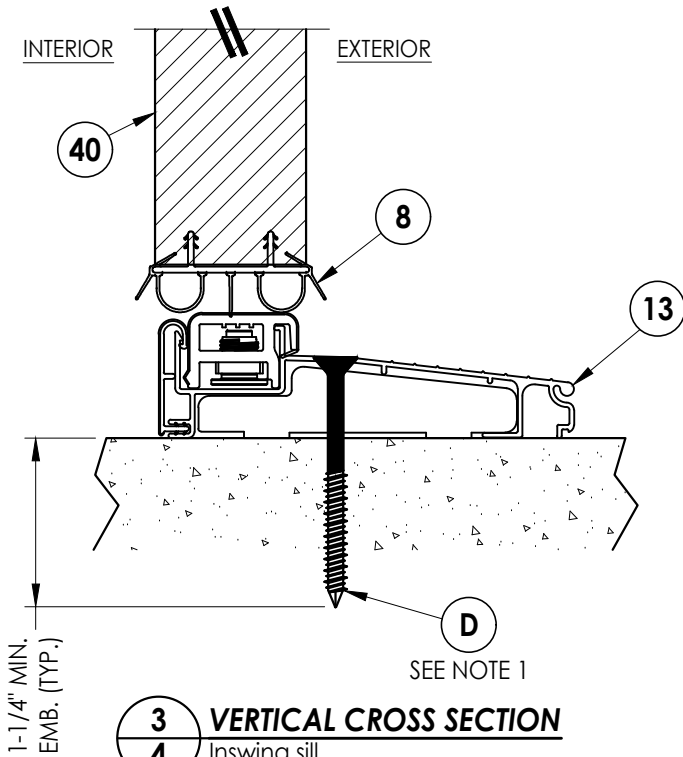


DATE: 5/04/21		SHEET 3 OF 8	
SCALE: N.T.S.		DRAWING NO.: FL-38695.1	
DWG. BY: RW		CHK. BY: LFS	
NO.		DATE	
2	5/02/24	ADD MODERN ASTRAGAL PROFILE	
1	7/06/23	UPDATE TO 8TH ED. (2023)	
LFS		BY	
ENDURA		PART OR ASSEMBLY: ELEVATIONS	
PRODUCT:		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
REVISONS		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	

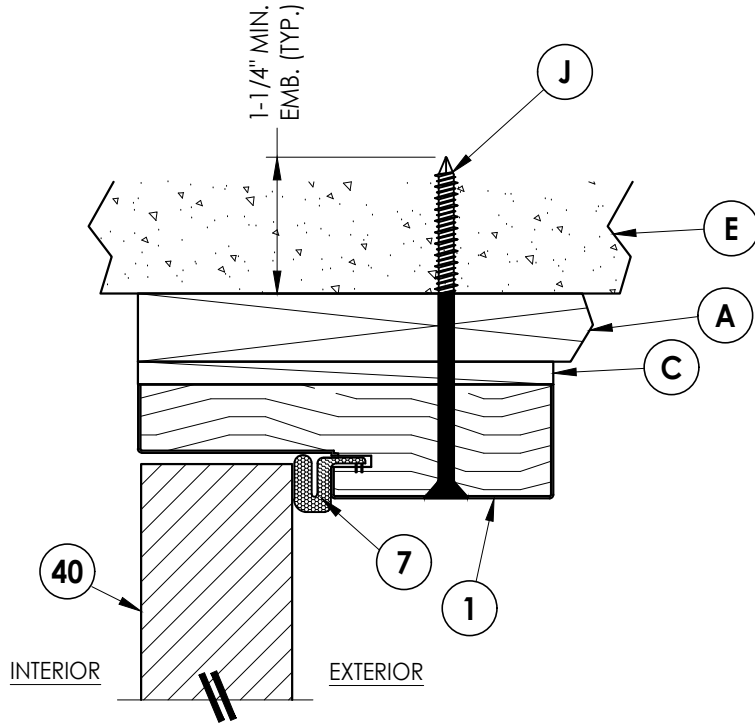
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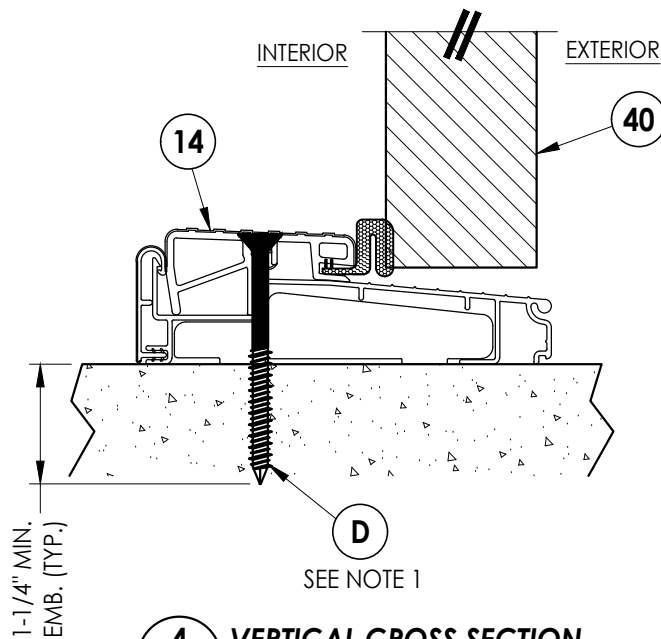
1
4 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



3
4 **VERTICAL CROSS SECTION**
Inswing sill



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

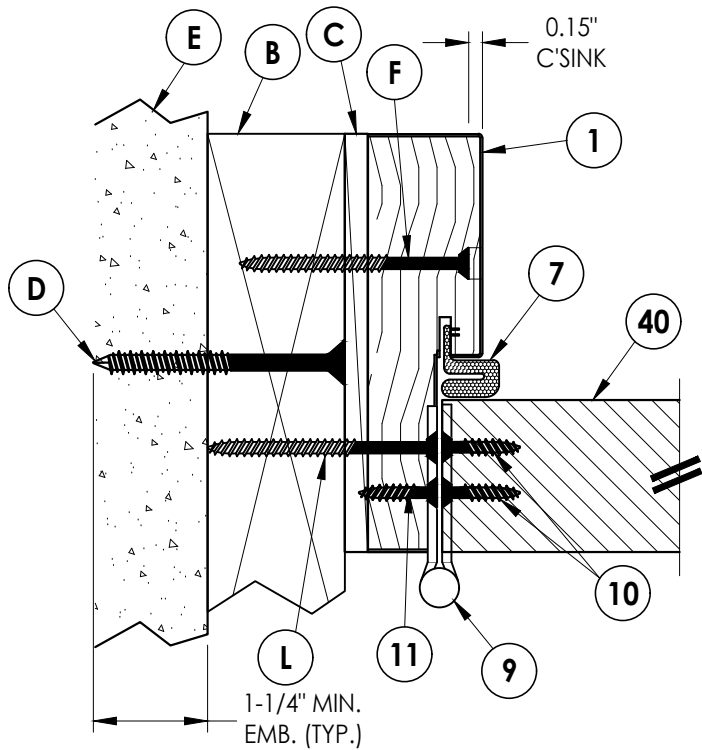


4
4 **VERTICAL CROSS SECTION**
Outswing sill

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

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: VERTICAL CROSS SECTIONS					
				LFS	LFS	BY	
				ADD MODERN ASTRAGAL PROFILE	FBC		
				UPDATE TO 8TH ED. (2023)			
				NO.	DATE		
				2	5/02/24		
				1	7/06/23		
				REVISIONS			
DATE: 5/04/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-38695.1							
SHEET 4 OF 8							

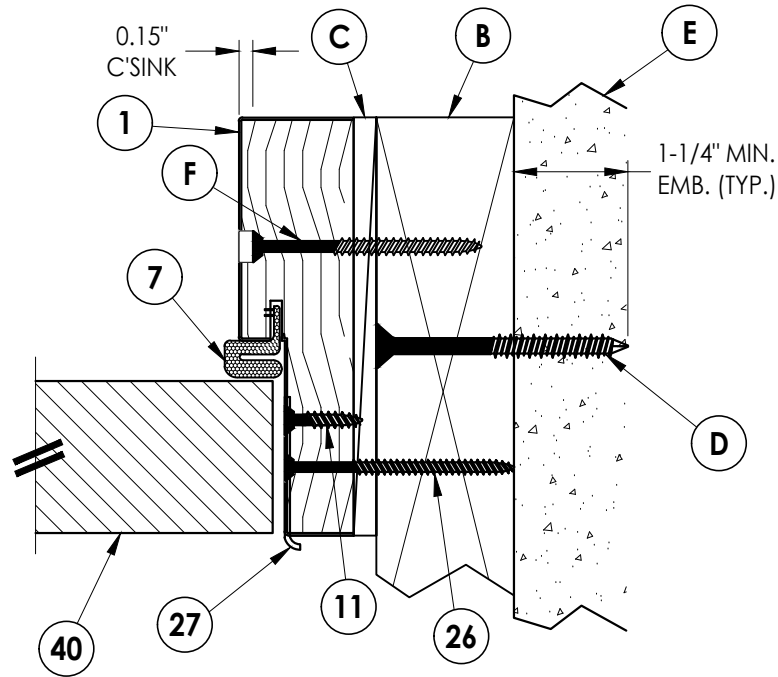
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1 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)
2X Buck Construction

EXTERIOR

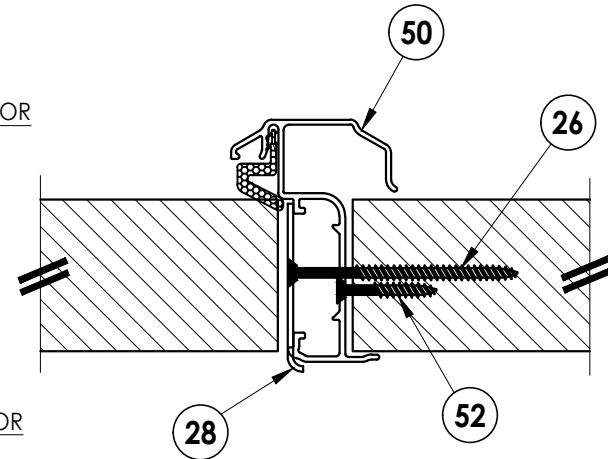
INTERIOR



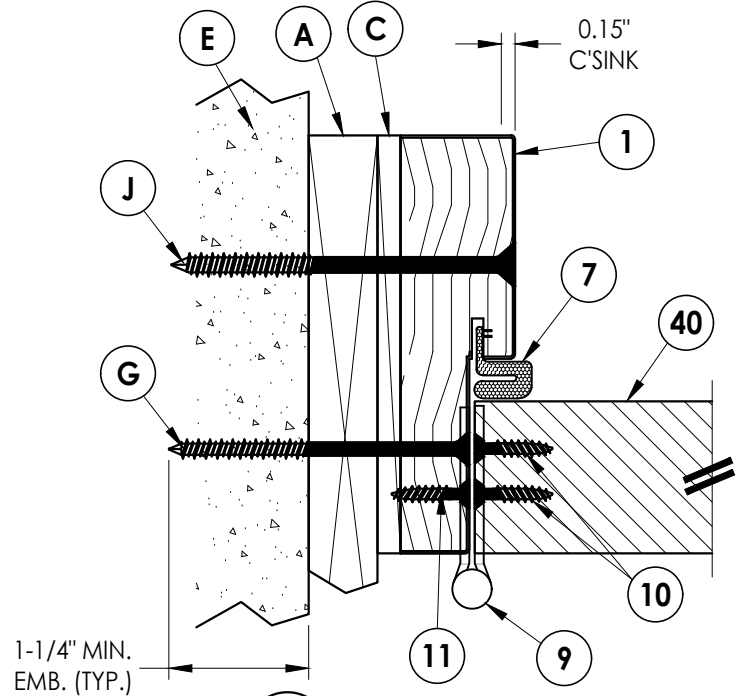
2 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)
2X Buck Construction

EXTERIOR

INTERIOR



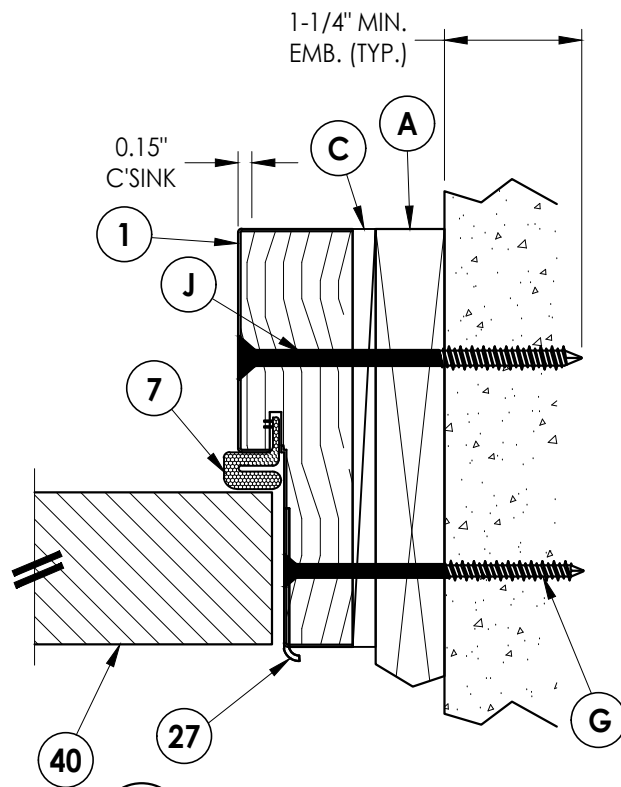
5 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)



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:
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 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: 5/04/21

SCALE: N.T.S.

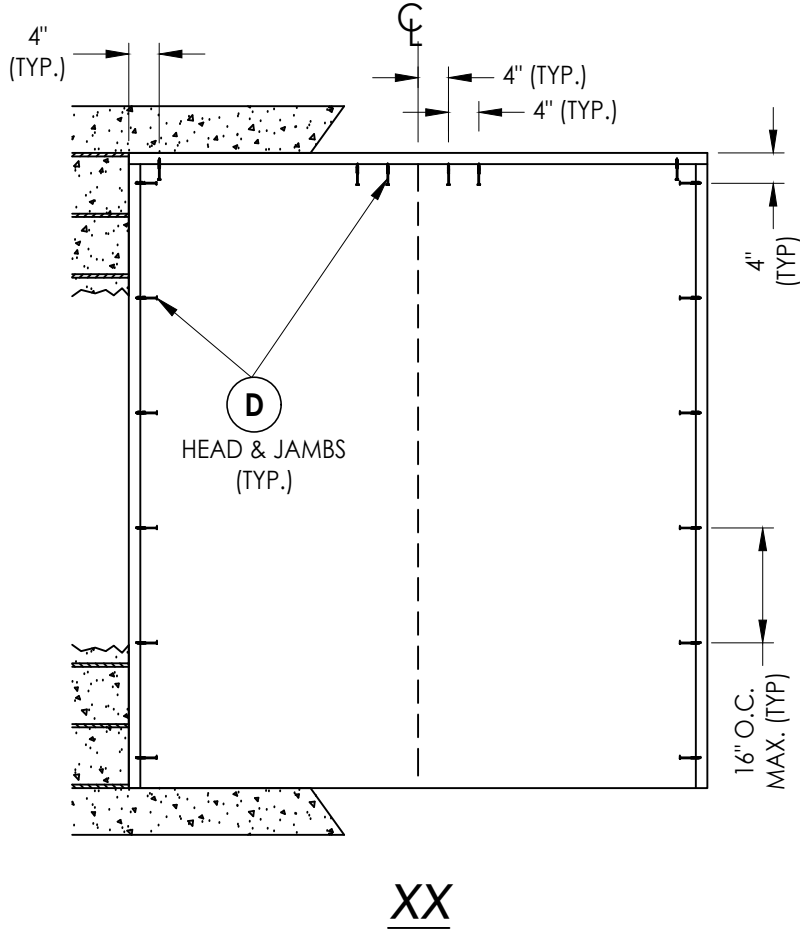
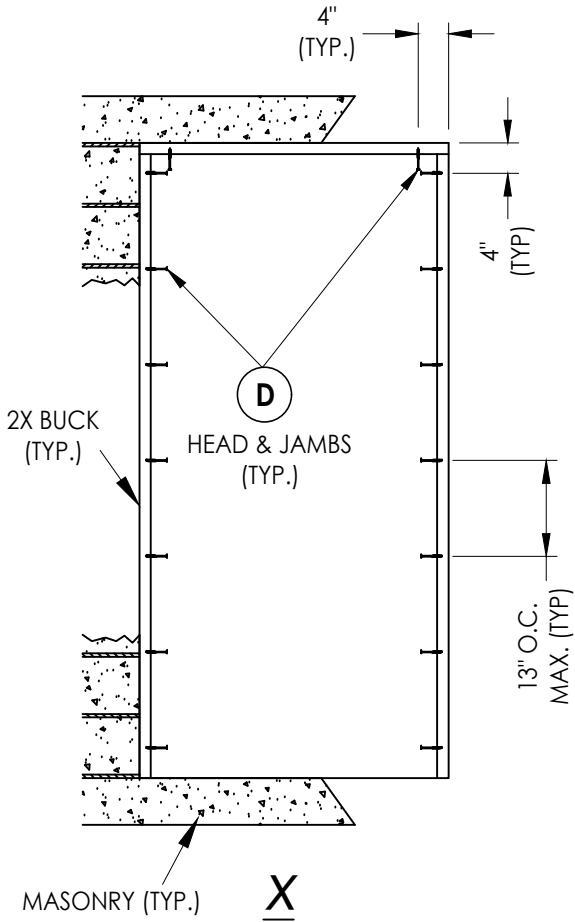
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CHK. BY: LFS

DRAWING NO.:

FL-38695.1

SHEET 5 OF 8



2X BUCK ANCHORING

DATE: 5/04/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-38695.1
SHEET 6 OF 8

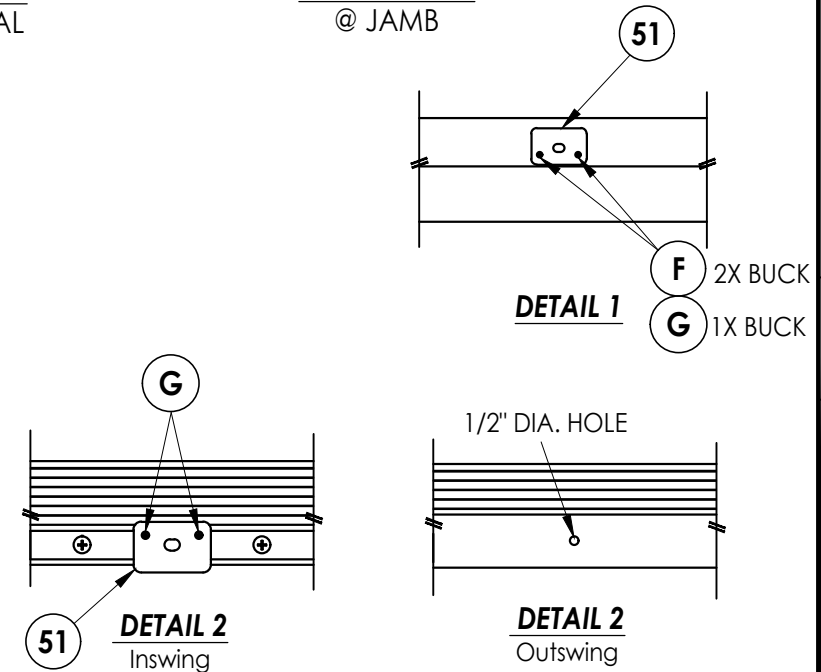
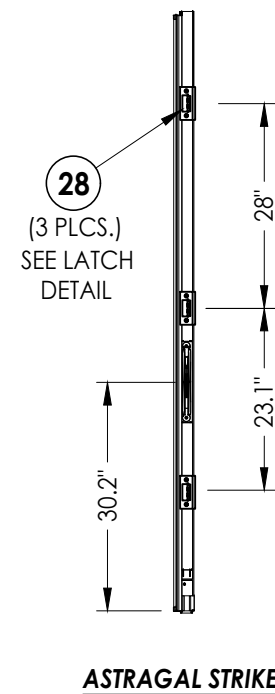
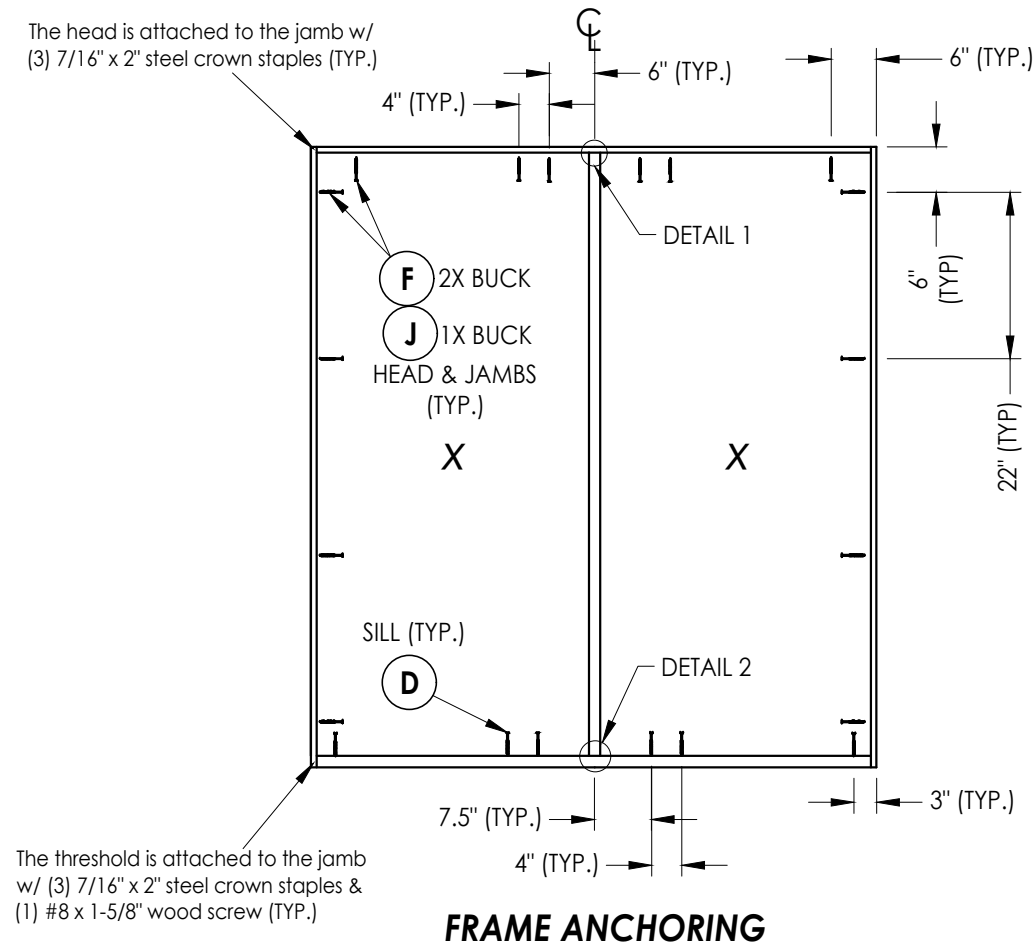
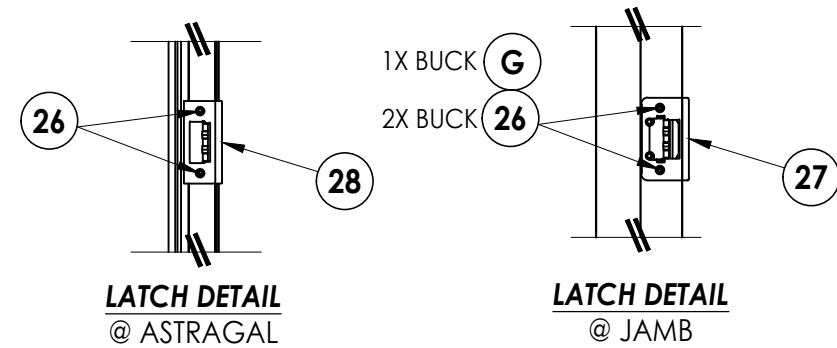
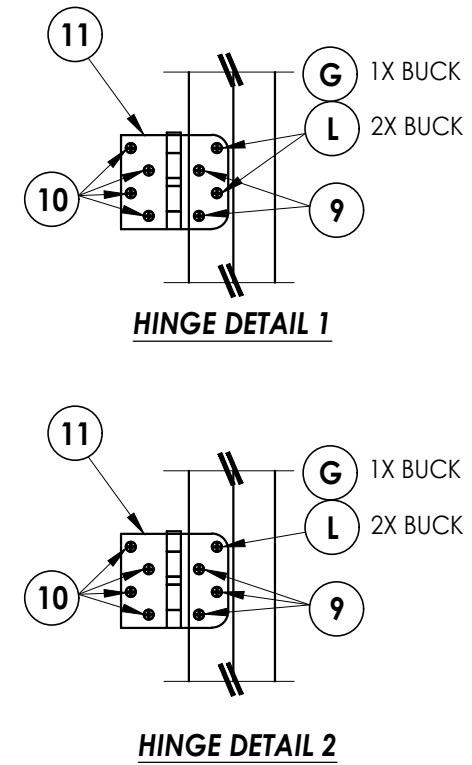
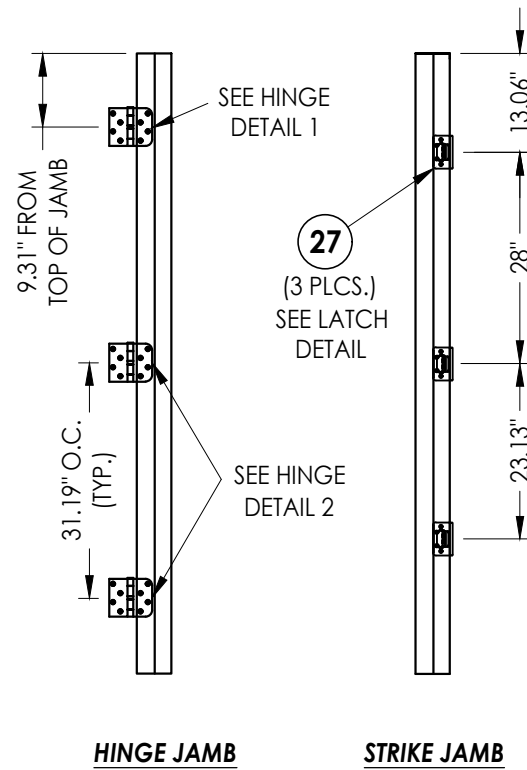
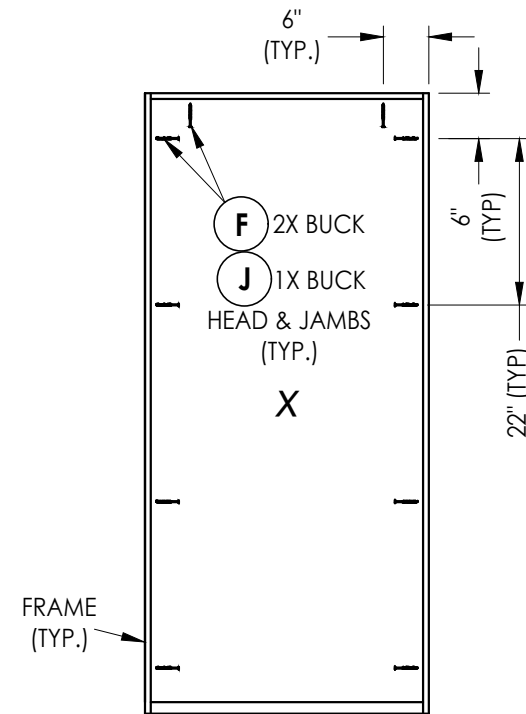
2	5/02/24	ADD MODERN ASTRAGAL PROFILE	LFS		
1	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS		
NO.	DATE				

REVISIONS

PRODUCT:	ENDURA
PART OR ASSEMBLY:	BUCK ANCHORING

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

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Documents Prepared By:
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P.E. No. 43409

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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

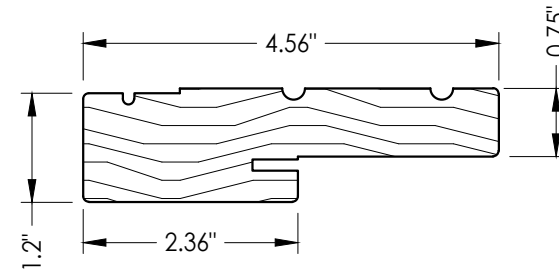
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. Concrete anchor table:

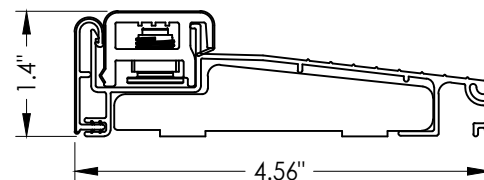
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT® ULTRACON+	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

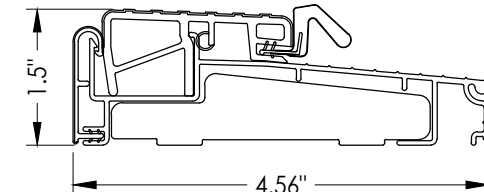
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



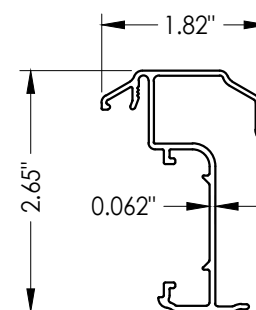
1 WOOD JAMB



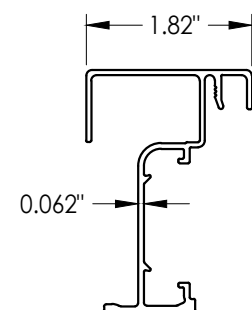
13 INSWING ADJUSTABLE THRESHOLD



14 OUTSWING THRESHOLD
ZOB4565



"TRADITIONAL" PROFILE



"MODERN" PROFILE

50 ENDURA ULTIMATE PANOLOCK ASTRAGAL

DATE:	<u>5/04/21</u>	
SCALE:	<u>N.T.S.</u>	
DWG. BY:	<u>RW</u>	
CHK. BY:	<u>LFS</u>	
DRAWING NO.: <u>FL-38695.1</u>		
SHEET	<u>8</u>	OF <u>8</u>

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

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Phone No.: 813.659.9197
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