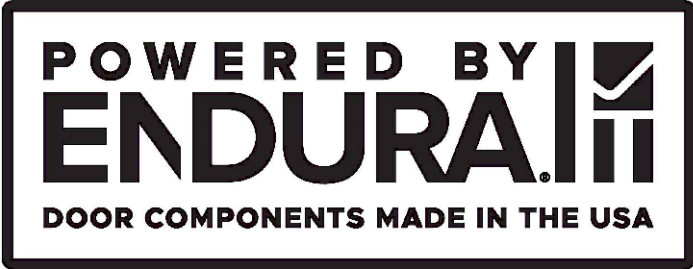


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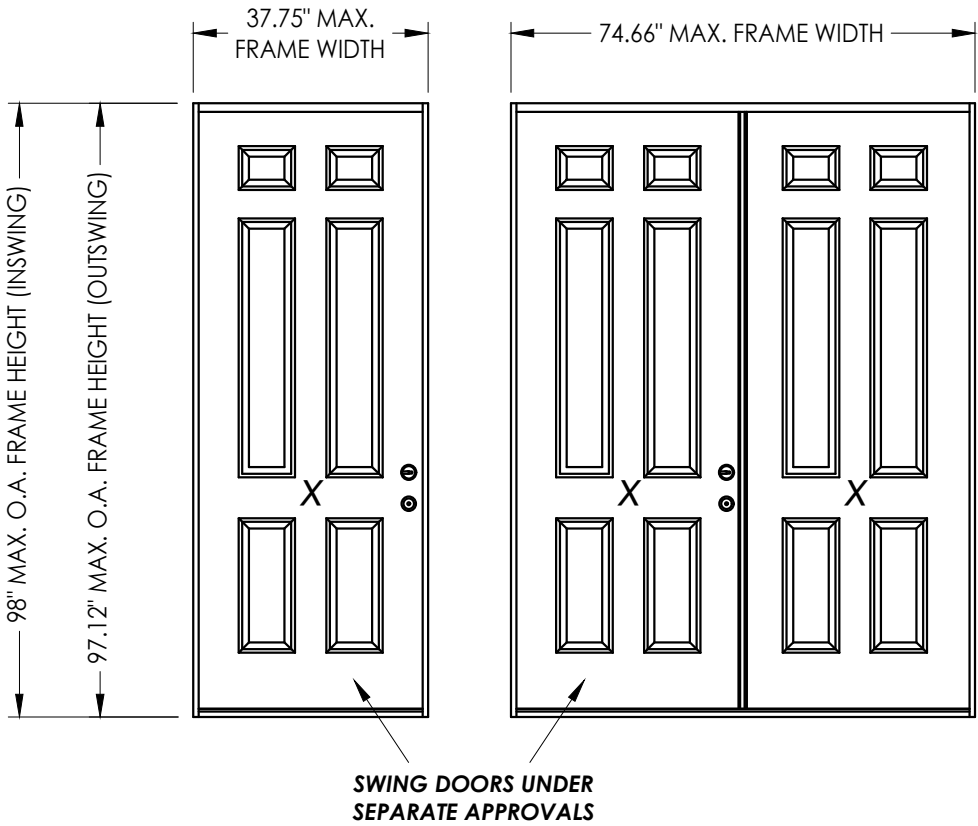
PanoLock Multi-Point Lock
in a Single or Double Door
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

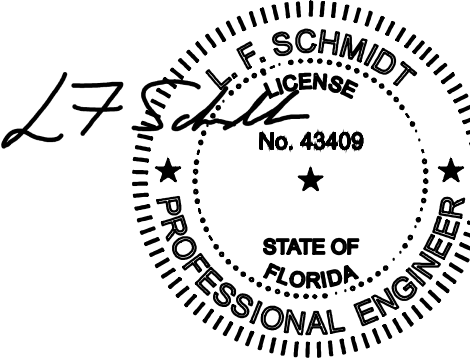
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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	Door Panel Details
4	Elevations
5	Vertical Cross Sections
6	Horizontal Cross Sections
7	Buck Anchoring
8	Frame Anchoring
9	Bill of Materials & Components

PanoLock Multi-Point Lock



CONFIGURATION	MAX FRAME DIMENSION	DESIGN PRESSURE (PSF)			
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.75" x 98"	+75.0	-75.0	+75.0	-75.0
XX	74.66" x 98"	+50.0	-50.0	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.12 10:37:27 -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

ENDURA

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

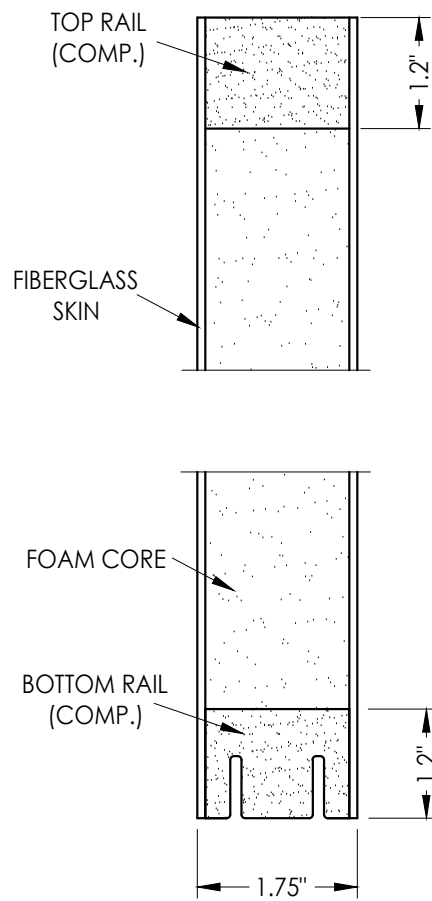
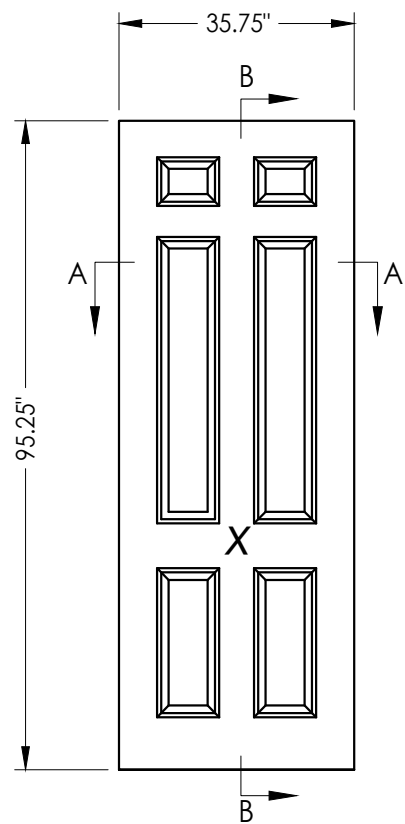
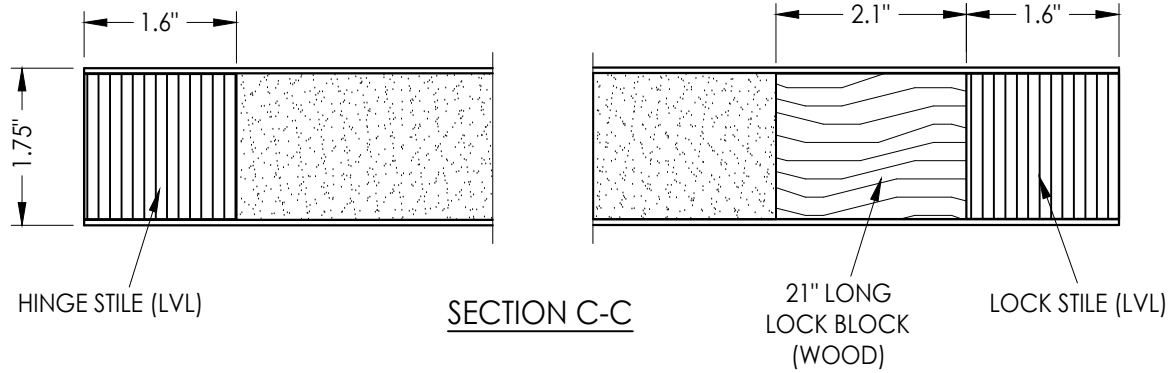
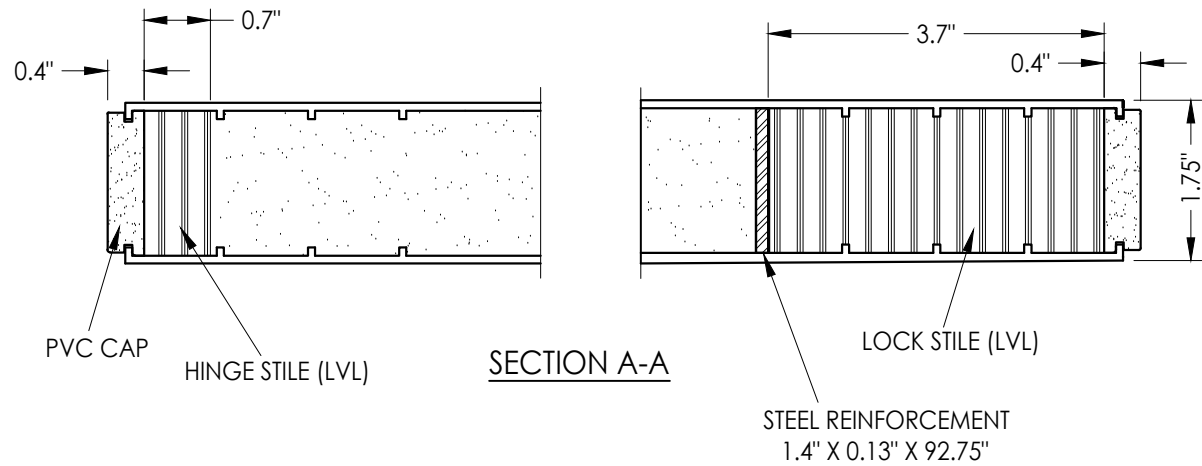
1	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	BY
NO.	DATE				

DATE: 10/7/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25610.18
SHEET 1 OF 9

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Phone No.: 813.659.9197
FBPE Registry No. 9813

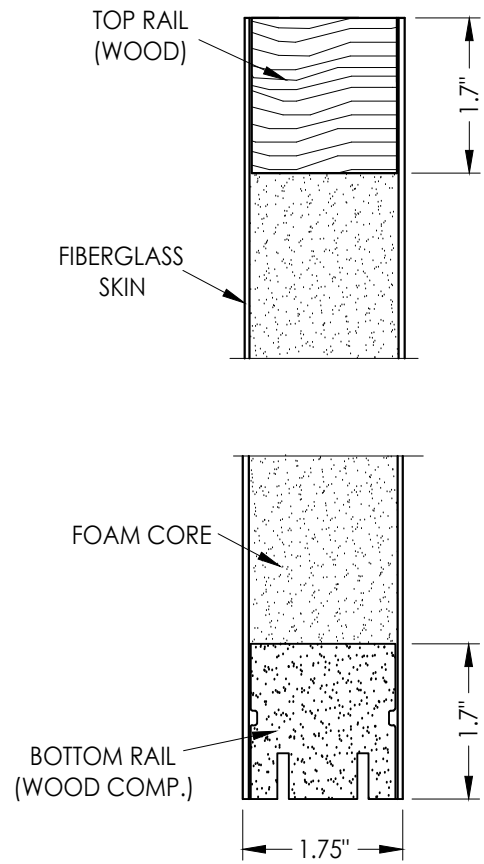
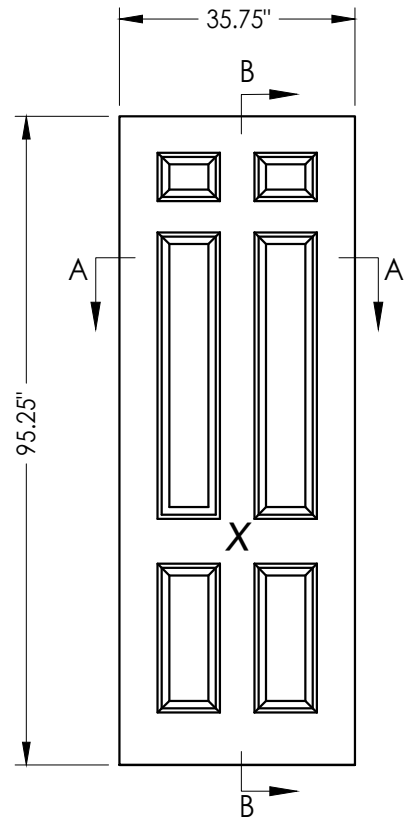
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FIBERGLASS DOOR PANEL
Plastpro 8'-0"
Opaque

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



FIBERGLASS DOOR PANEL
Masonite 8'-0"
Opaque

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

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ENDURA

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

NO.	DATE	REVISIONS	
		BY	DATE
1	7/06/23	LFS	UPDATE TO 8TH ED. (2023)

DATE: 10/7/20

SCALE: N.T.S.

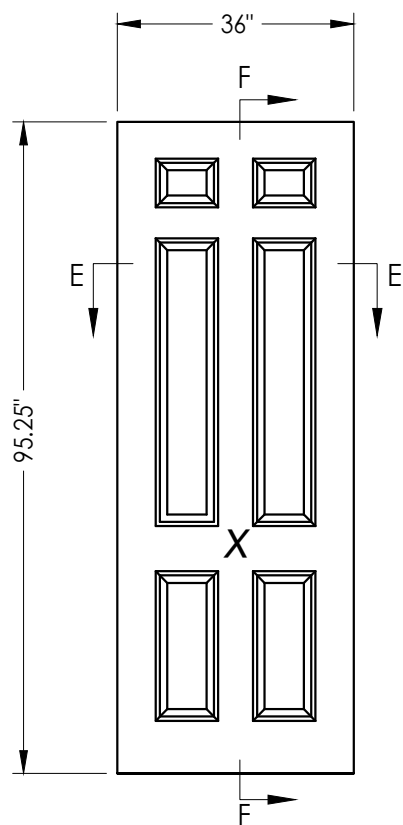
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-25610.18

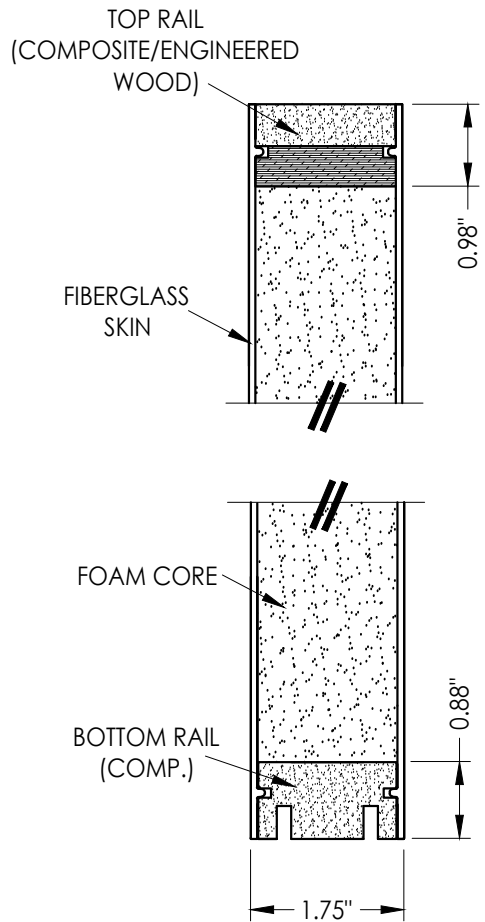
SHEET 2 OF 9

SECTION E-E



FIBERGLASS DOOR PANEL
Therma-Tru 8'-0"
Opaque

FIBERGLASS SKIN: 0.082" MIN. THK.
FOAM CORE: POLYURETHANE



SECTION F-F

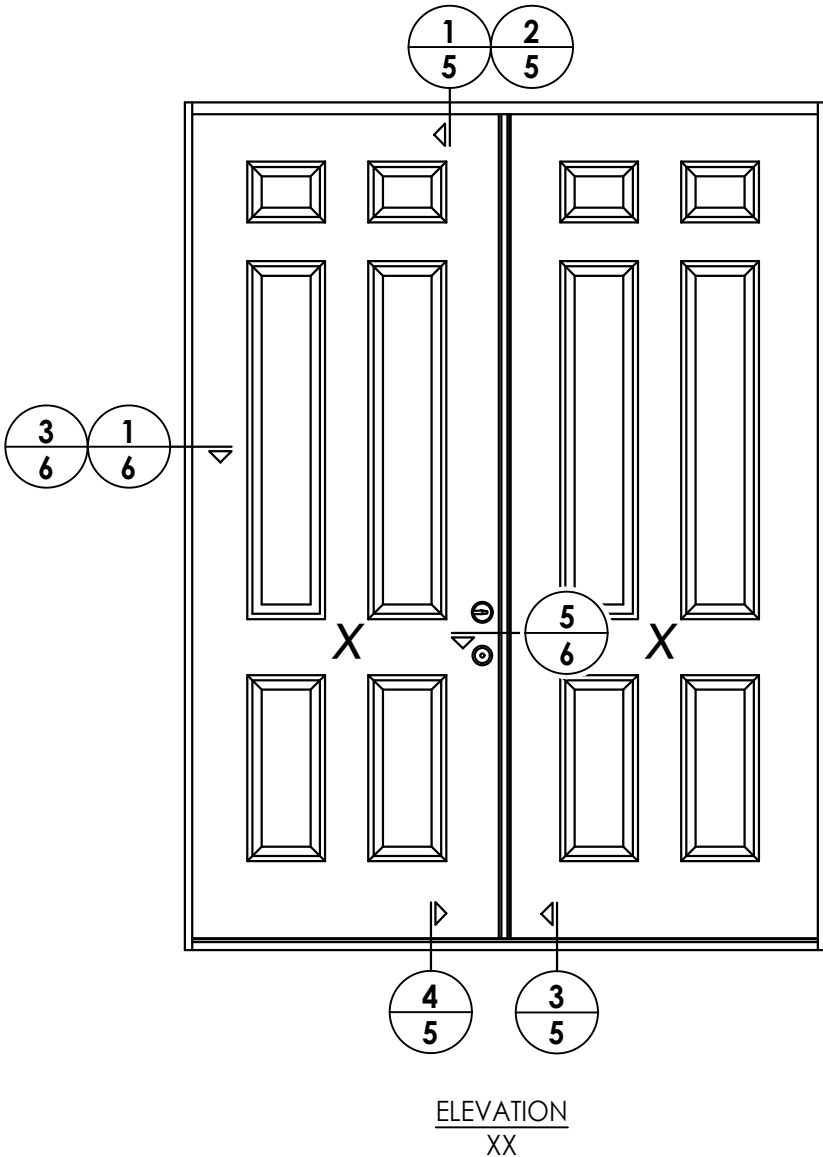
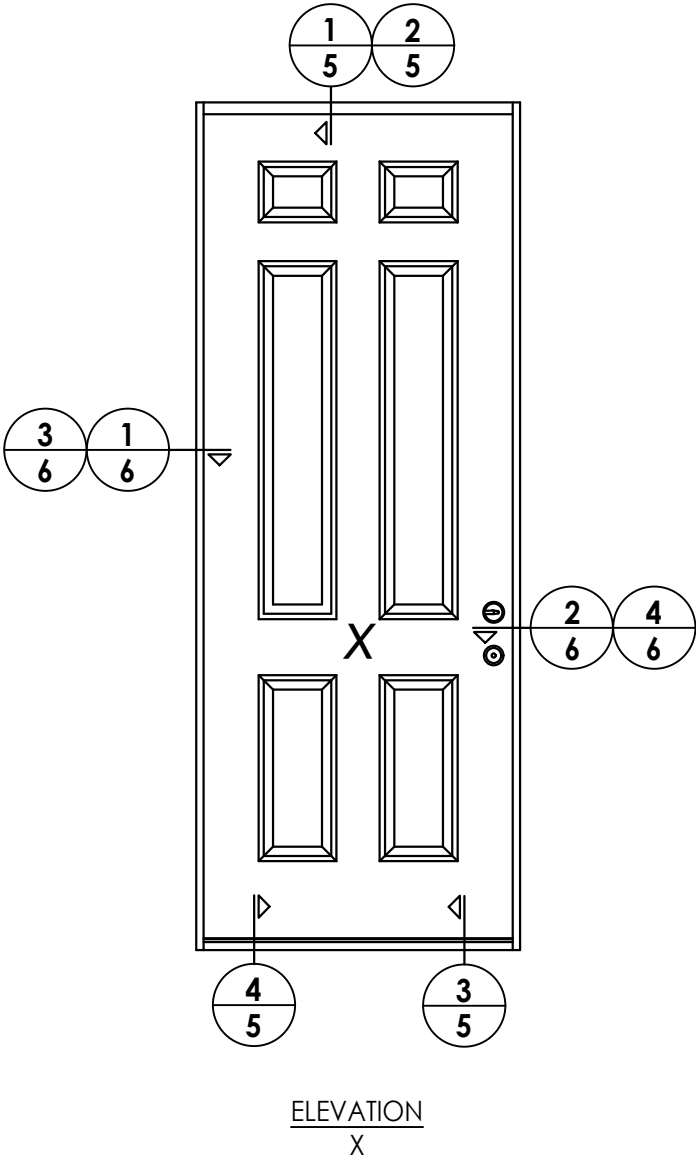
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DATE:	10/7/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-25610.18
SHEET	<u>3</u> OF <u>9</u>

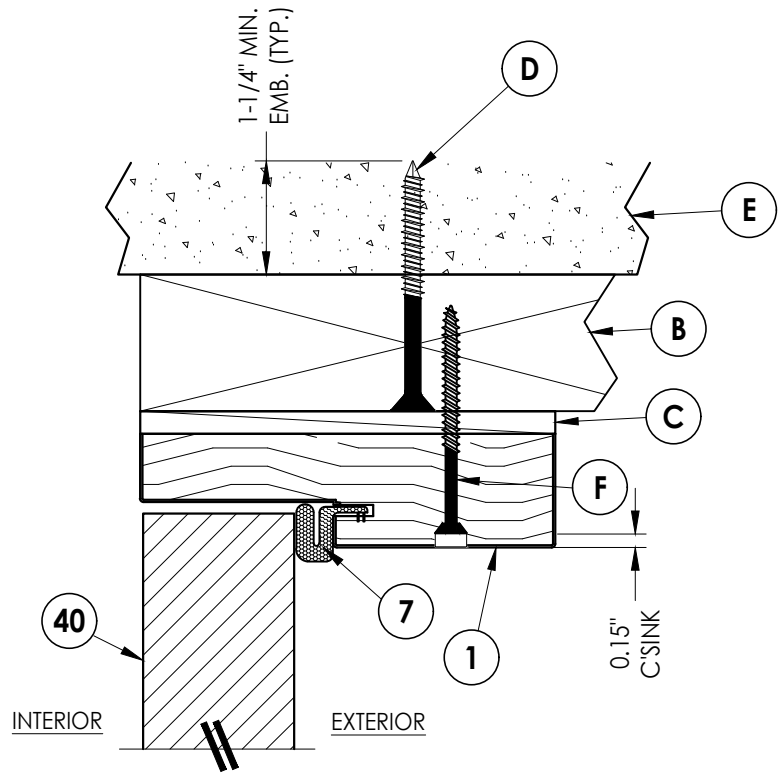
Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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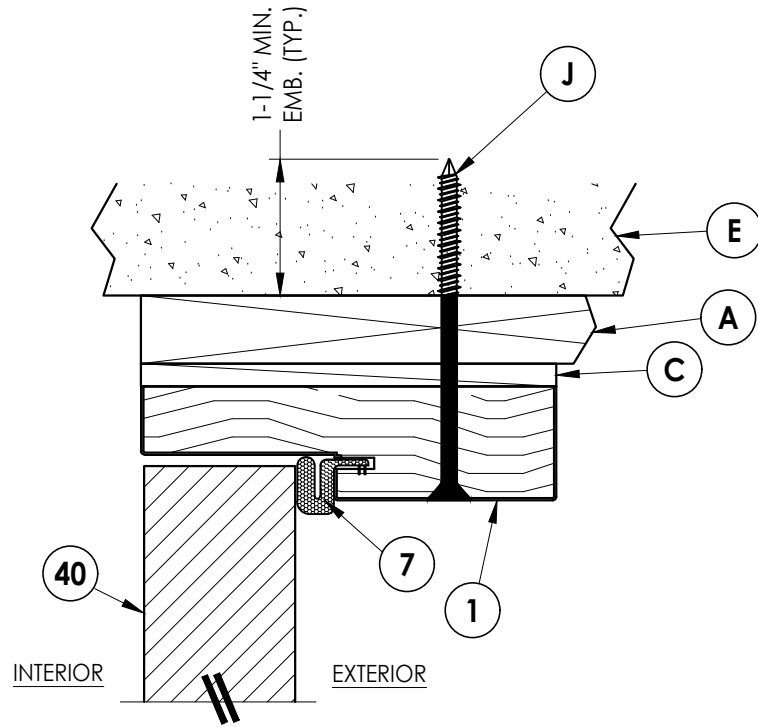


DATE: 10/7/20				SHEET 4 OF 9	
SCALE: N.T.S.				DRAWING NO.: FL-25610.18	
DWG. BY: RW				CHK. BY: LFS	
17/06/23				NO. DATE	
UPDATE TO 8TH ED. (2023)				FBC	
				LFS	
				BY	
				REVISIONS	
PRODUCT: ENDURA		PART OR ASSEMBLY: ELEVATIONS		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	

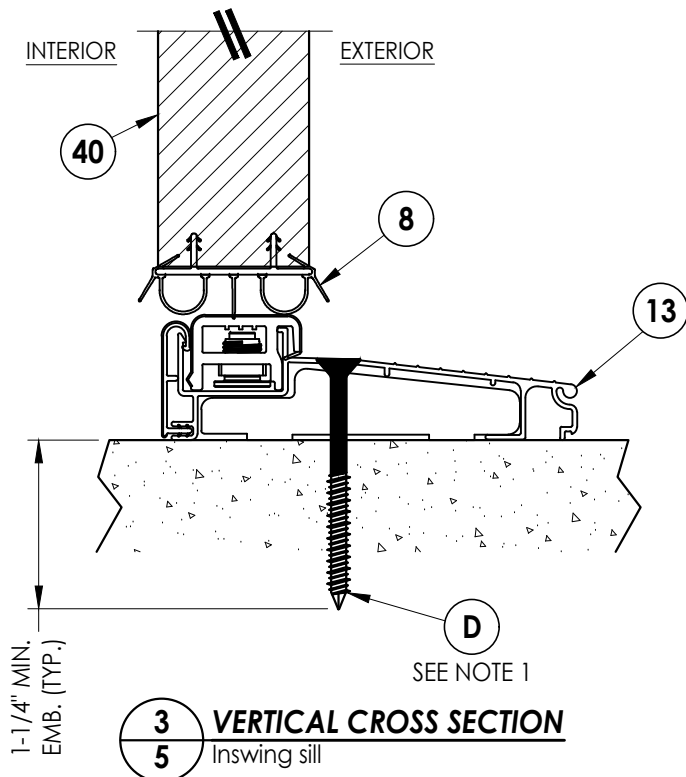


1 5 **VERTICAL CROSS SECTION**

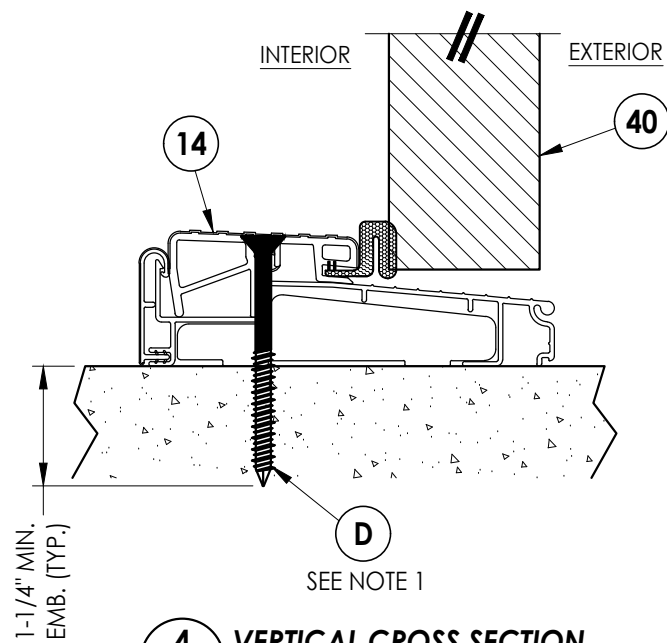
Inswing shown (Outswing similar)
2X Buck Construction



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



3 VERTICAL CROSS SECTION
5 Inswing sill



4 VERTICAL CROSS SECTION
5 Outswing sill

NOTE:

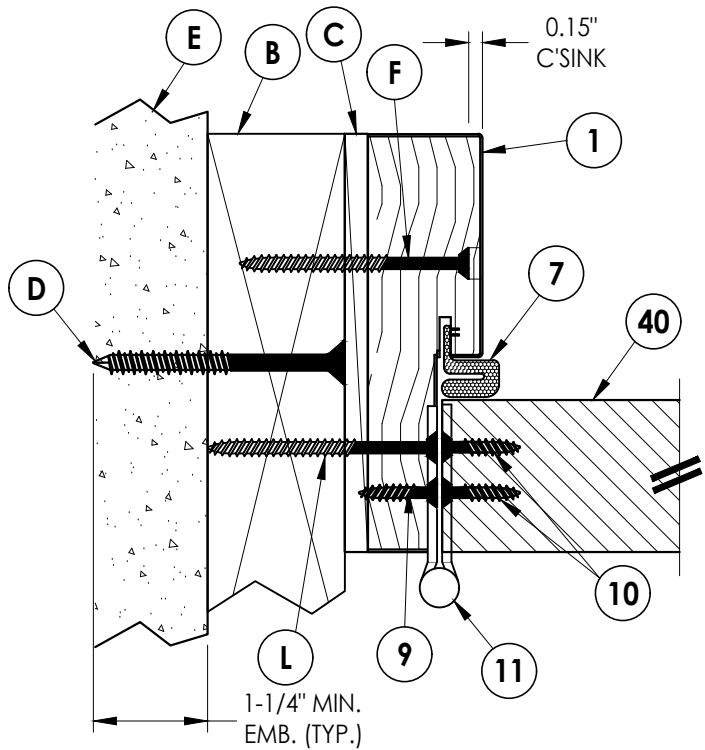
1. SILL ANCHORS ARE NOT REQUIRED FOR SINGLE DOOR CONFIGURATIONS.

[illegible]

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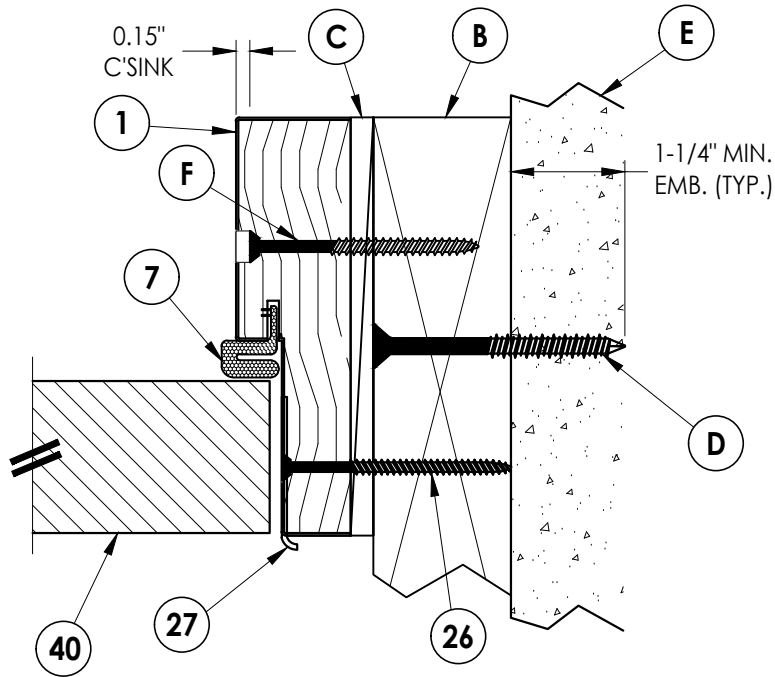
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1
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

EXTERIOR

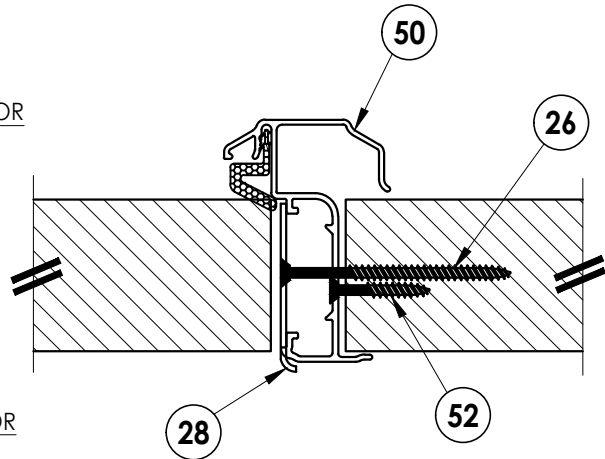
INTERIOR



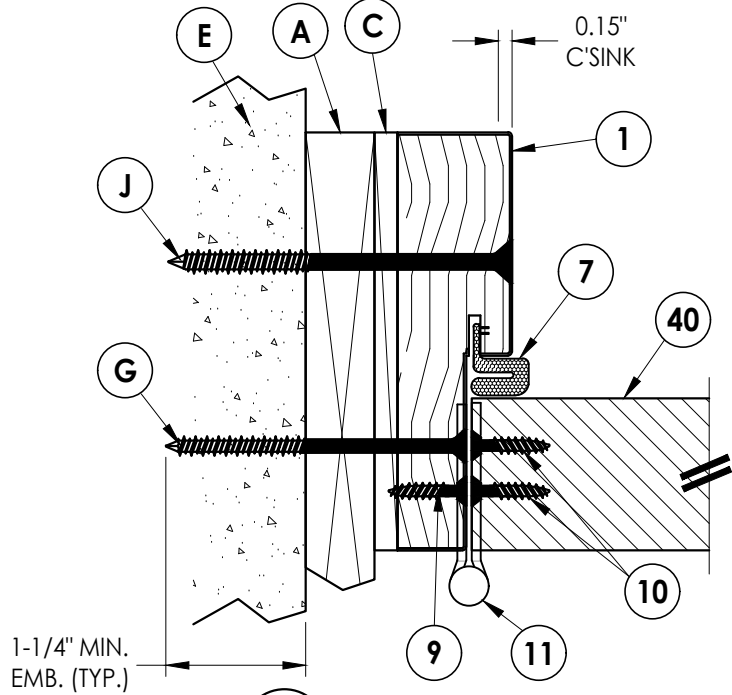
2
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

EXTERIOR

INTERIOR



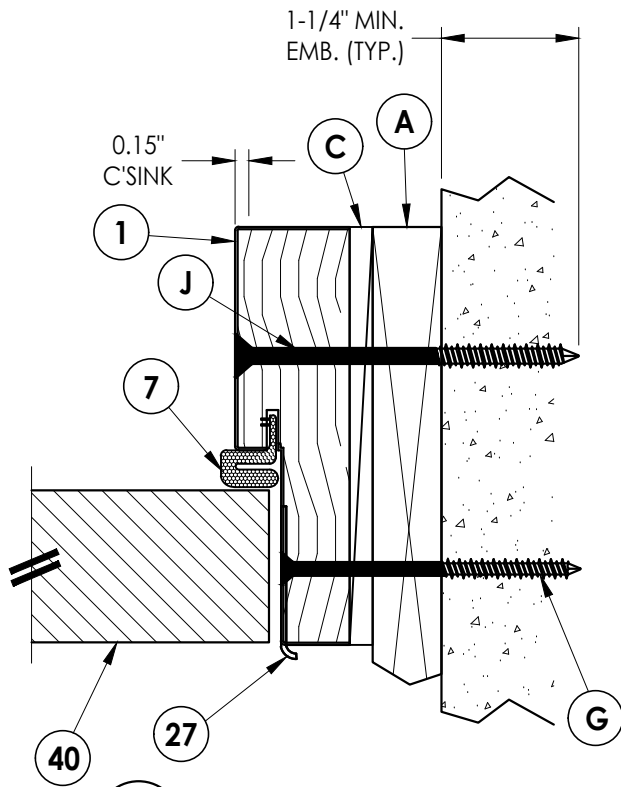
5
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



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

EXTERIOR

INTERIOR



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

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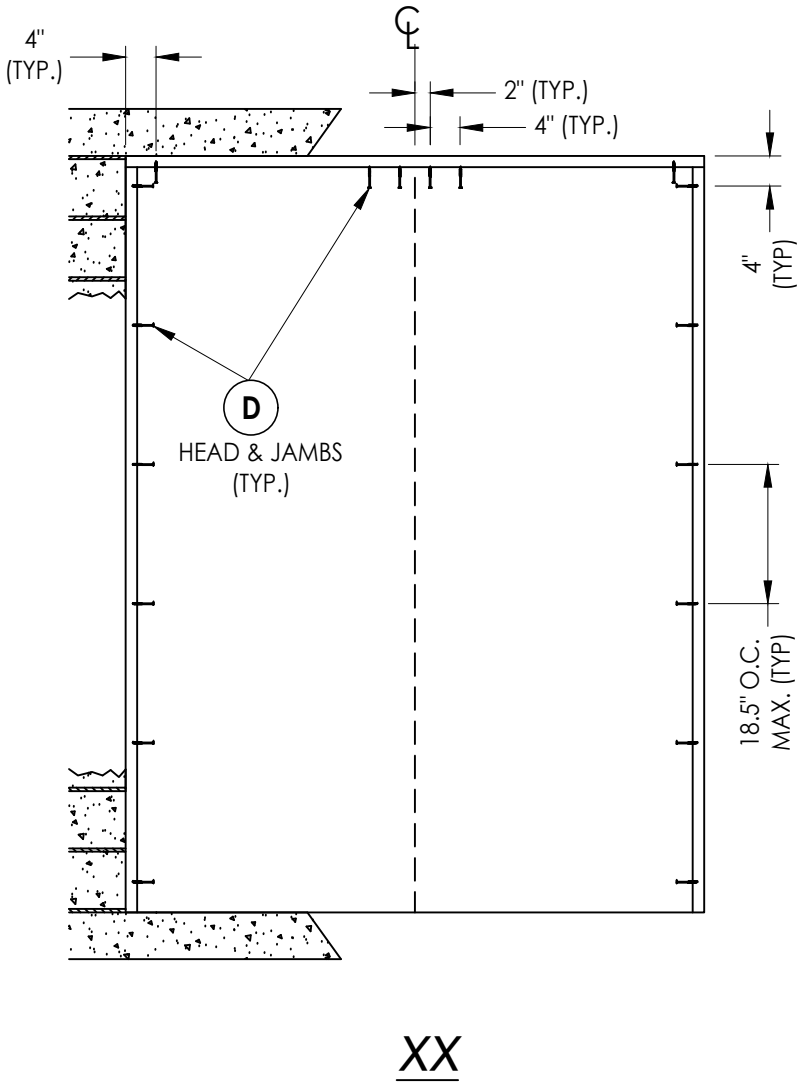
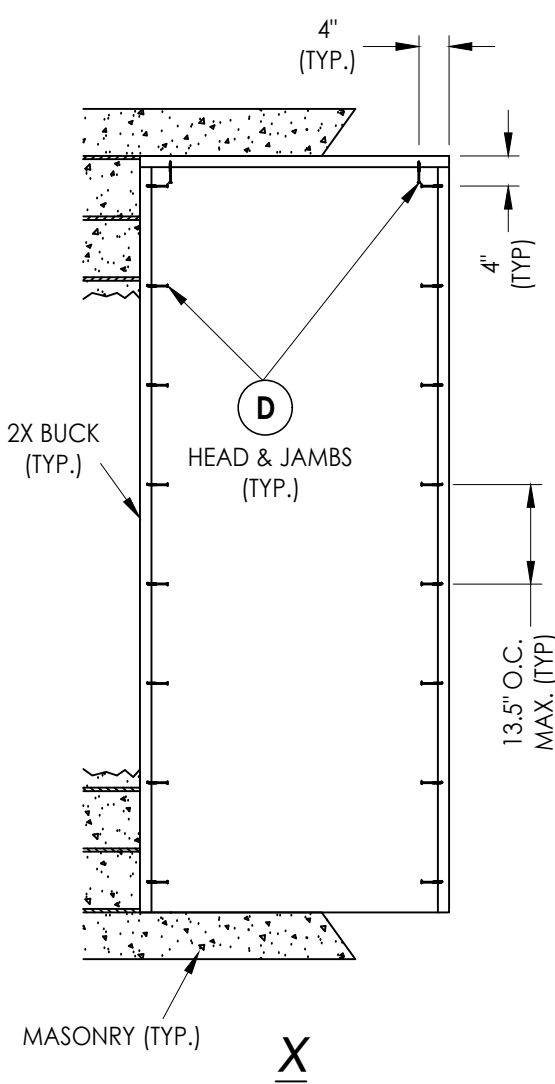
PRODUCT: **ENDURA**

PART OR ASSEMBLY:

HORIZONTAL CROSS SECTIONS

DATE: 10/7/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25610.18
SHEET 6 OF 9

NO.	DATE	REVISIONS
1	7/06/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY



2X BUCK ANCHORING

DATE:	10/7/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-25610.18
SHEET	7 OF 9

NO.	DATE	UPDATE TO 8TH ED. (2023)	FBC	LFS	BY
1	7/06/23				

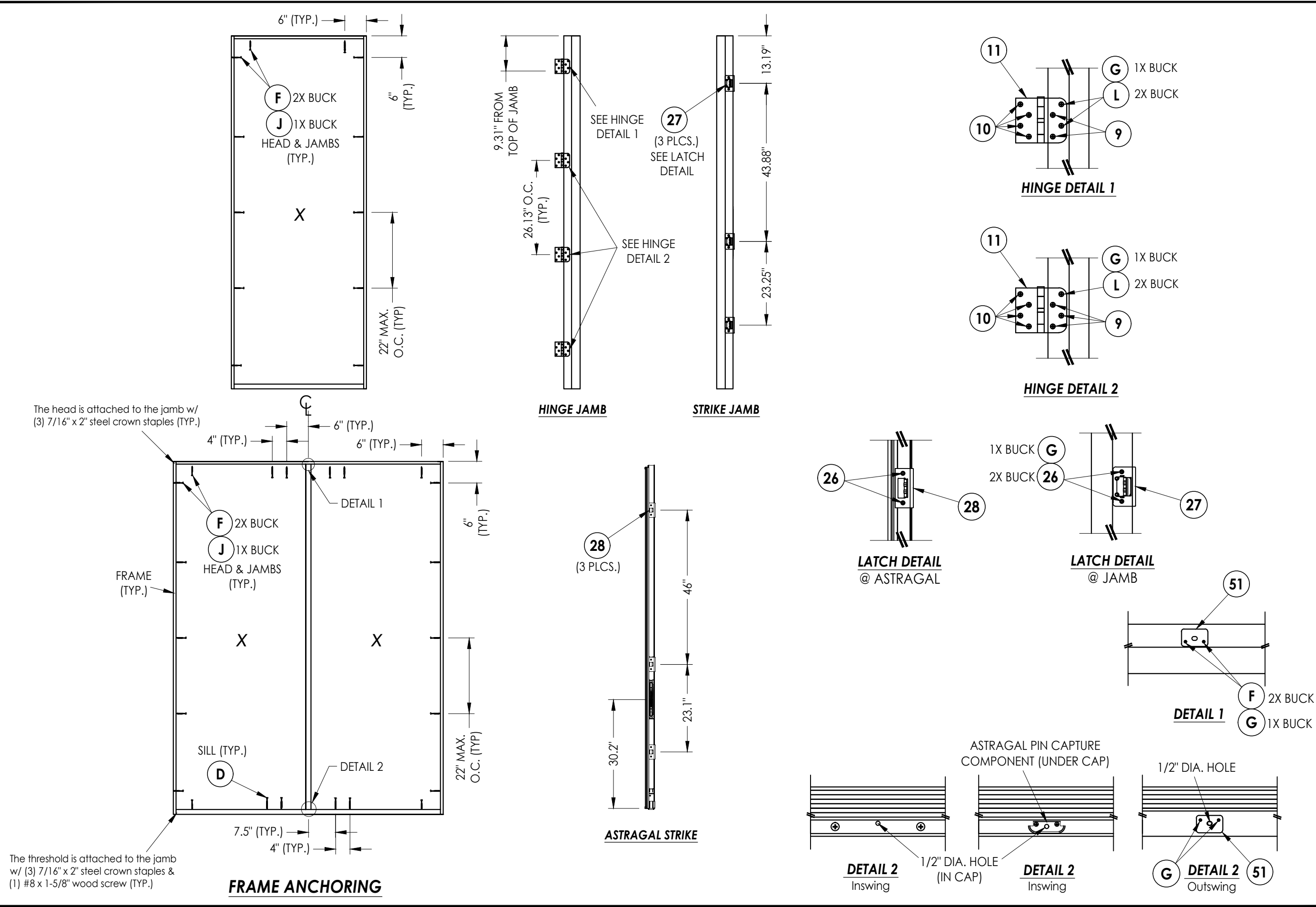
REVISIONS

PRODUCT:	ENDURA
PART OR ASSEMBLY:	BUCK ANCHORING

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
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PRODUCT: ENDURA		PART OR ASSEMBLY: FRAME ANCHORING	
		NO.	DATE
		1	7/06/23
		UPDATE TO 8TH ED. (2023)	FBC
		LFS	BY
REVISIONS			
DATE: 10/7/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-25610.18			
SHEET 8 OF 9			

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	#9 X 3/4" PFH WOOD SCREW	STEEL
10	#9 X 1" PFH WOOD SCREW	STEEL
11	4" X 4" BUTT HINGE	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

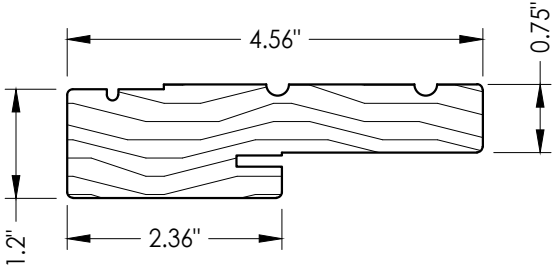
CONCRETE ANCHOR NOTES:

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:

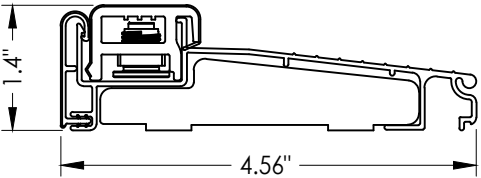
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®+	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

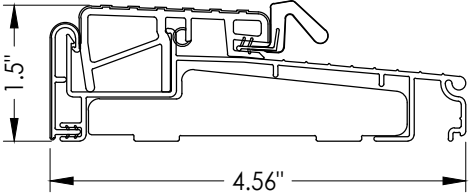
7. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



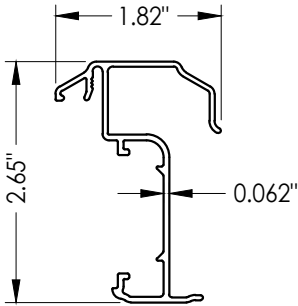
1 WOOD JAMB



13 **INSWING ADJUSTABLE THRESHOLD**
ZAIL4565



14 **OUTSWING THRESHOLD**
ZOBL4565



50 ENDURA ULTIMATE PANOLOCK ASTRAGAL

[illegible]