

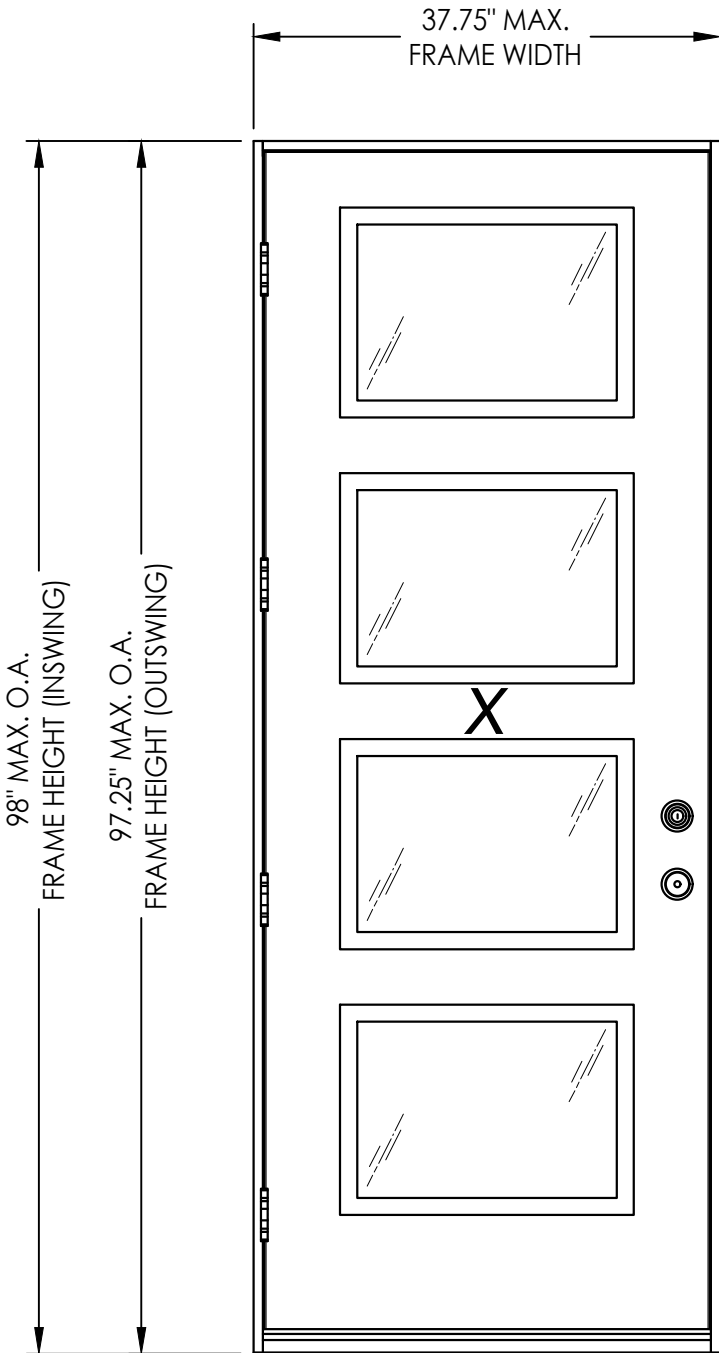
TRIMLITE

"Solution" Series
Lite Frame Assembly
"NON-IMPACT"

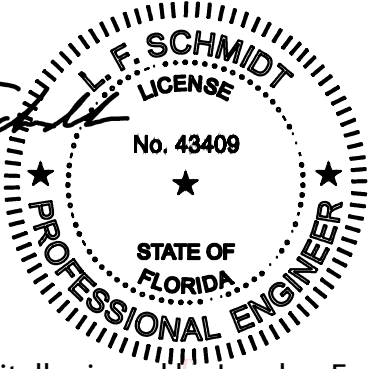
GENERAL NOTES

1. This product anchoring drawing has been developed and is 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. 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 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.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. 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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SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Lite Frame Details
4	Horizontal & Vertical Cross Sections (2X Buck)
5	Horizontal & Vertical Cross Sections (1X Buck)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck & Frame Anchoring
9	Bill of Materials



CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Latch & Deadbolt	+55.0	-60.0	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.29 13:09:23 -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

PRODUCT: TRIMLITE

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

28/29/23 UPDATE TO 8TH ED. (2023) FBC
8/06/20 UPDATE TO 7TH ED. (2020) FBC

LFS
LFS

NO. DATE

REVISIONS

DATE: 7/23/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

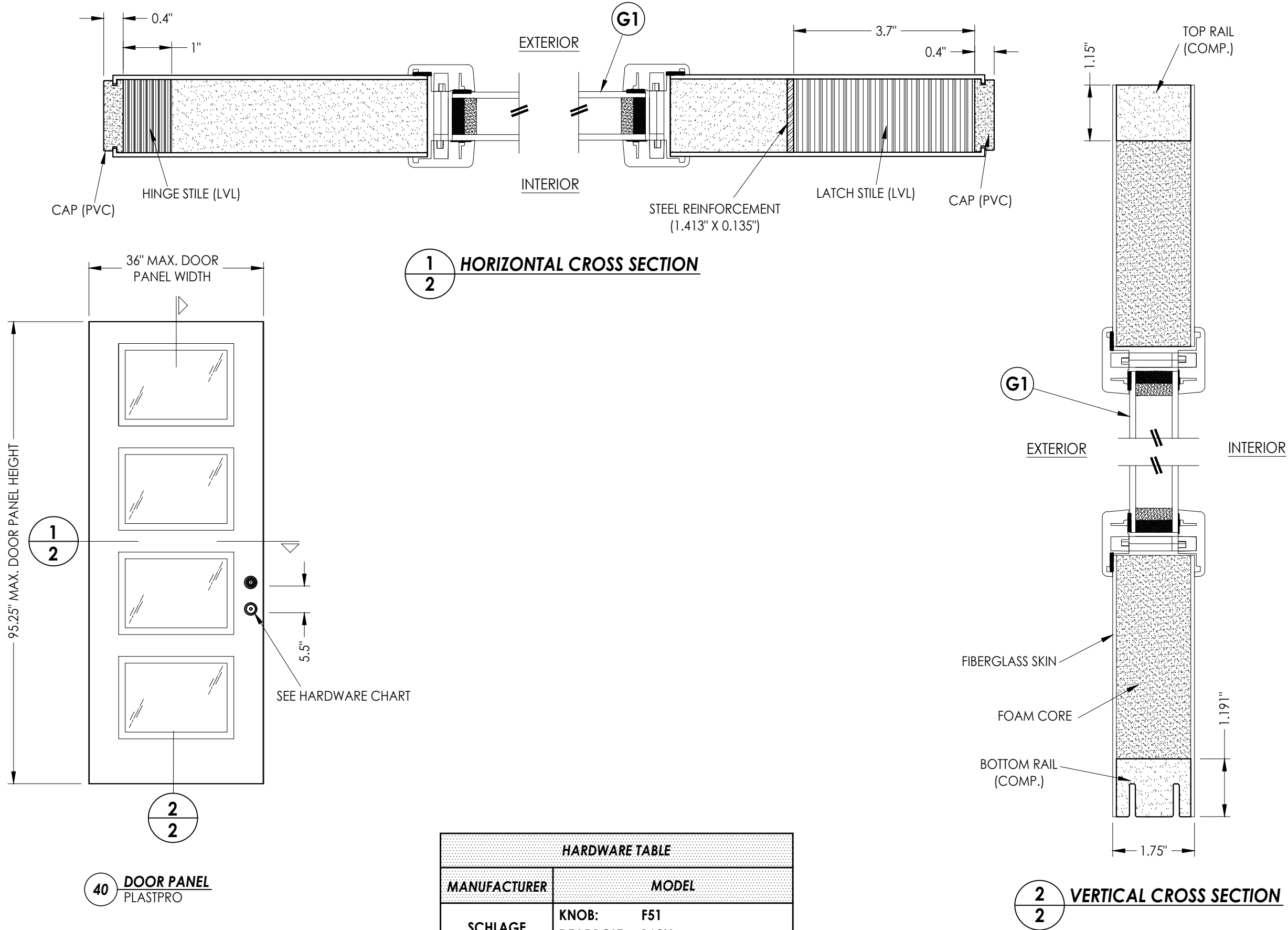
DRAWING NO.: FL-27580.1

SHEET 1 OF 9

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

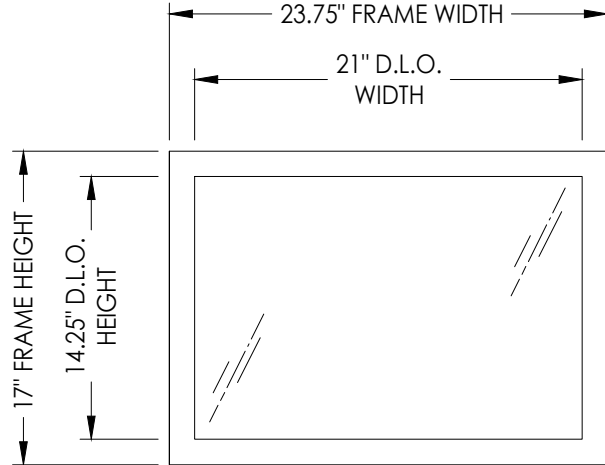
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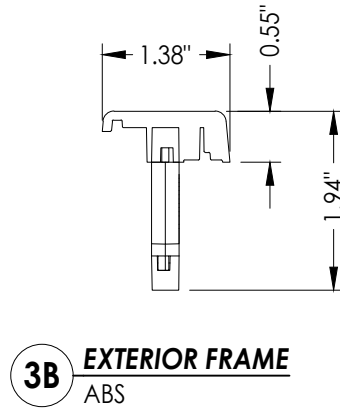
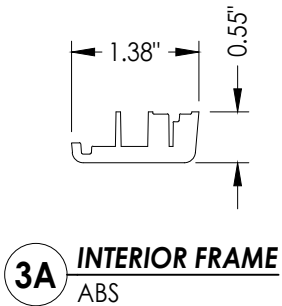
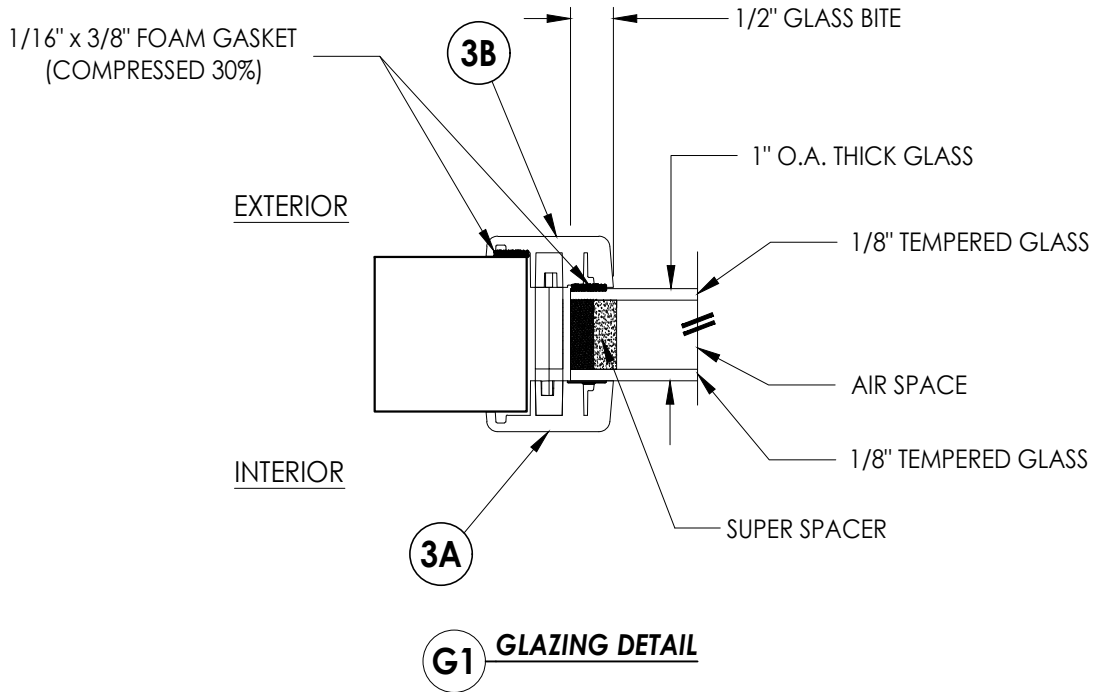


FIBERGLASS DOOR SKIN: MIN. 0.075" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

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PRODUCT: TRIMLITE		PART OR ASSEMBLY: DOOR PANEL DETAILS					
				LFS	FBC		
				LFS	FBC		
				BY			
				REVISIONS			
				NO.	DATE		
2	8/29/23	UPDATE TO 8TH ED. (2023)	FBC				
1	8/06/20	UPDATE TO 7TH ED. (2020)	FBC				
DATE: 7/23/18							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-27580.1							
SHEET 2 OF 9							



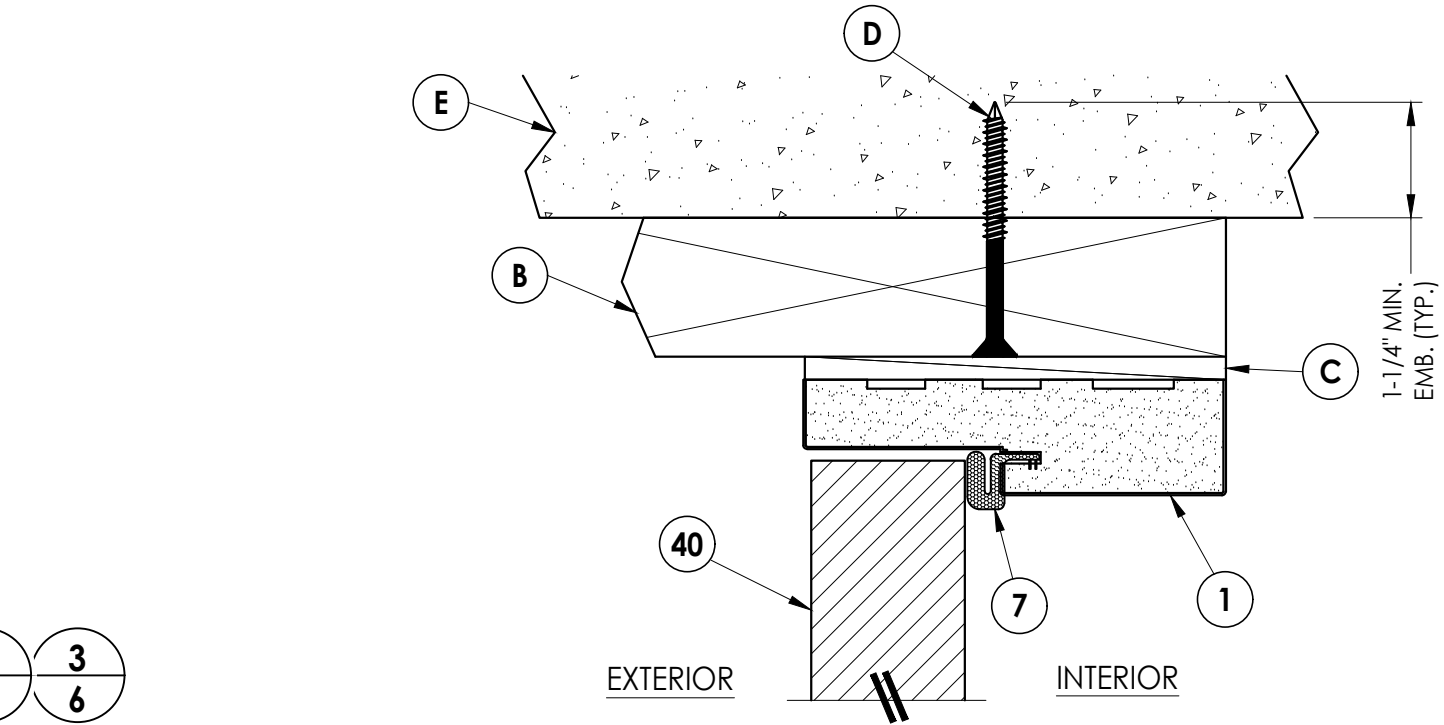
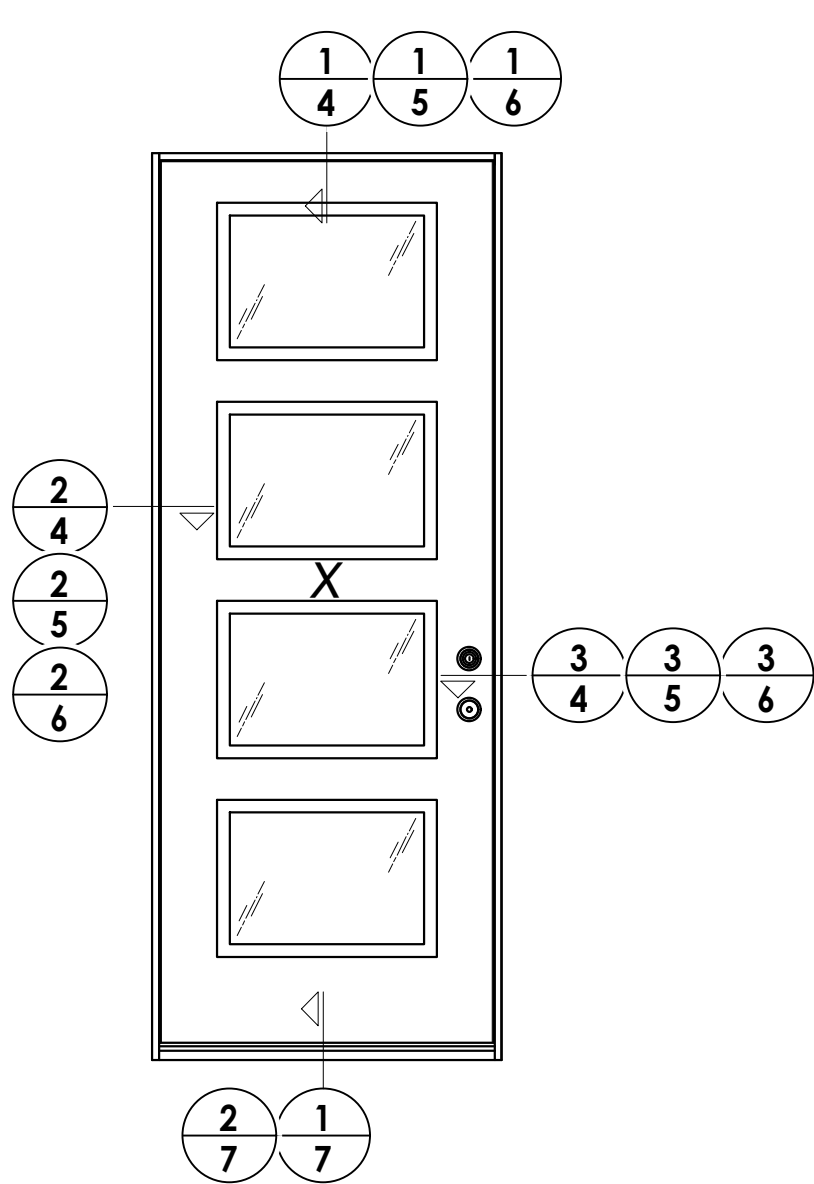
"SOLUTION" SERIES LITE FRAME

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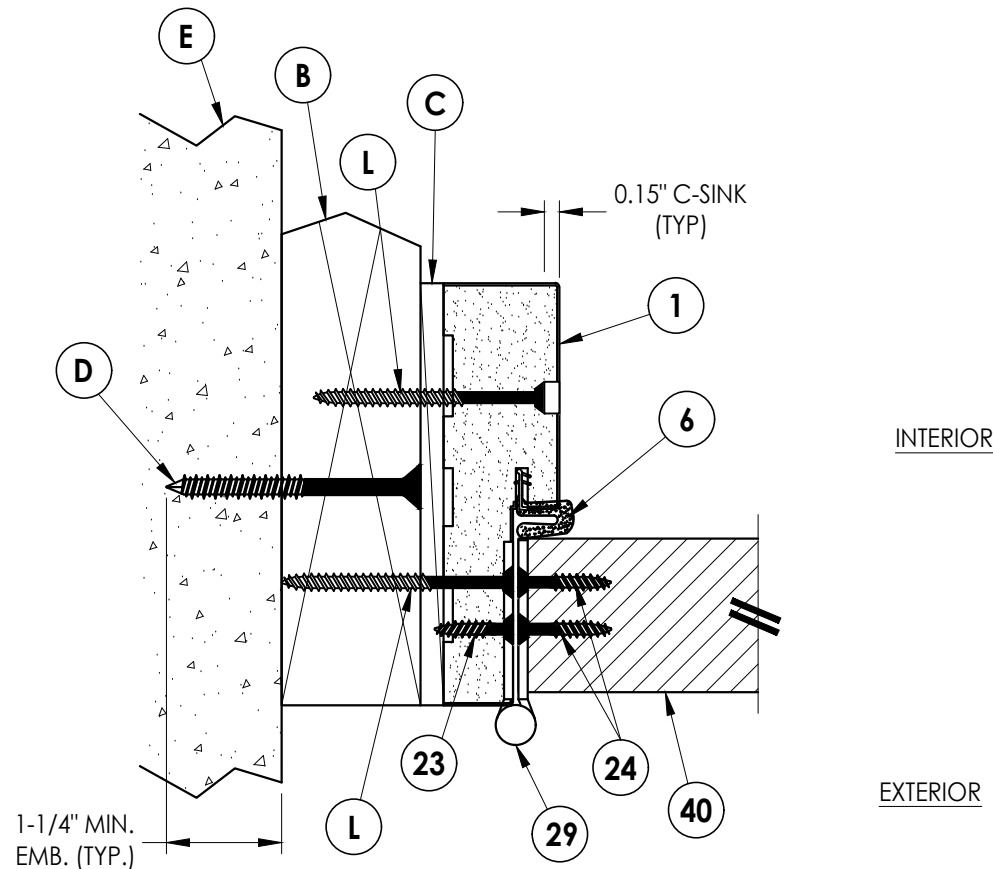
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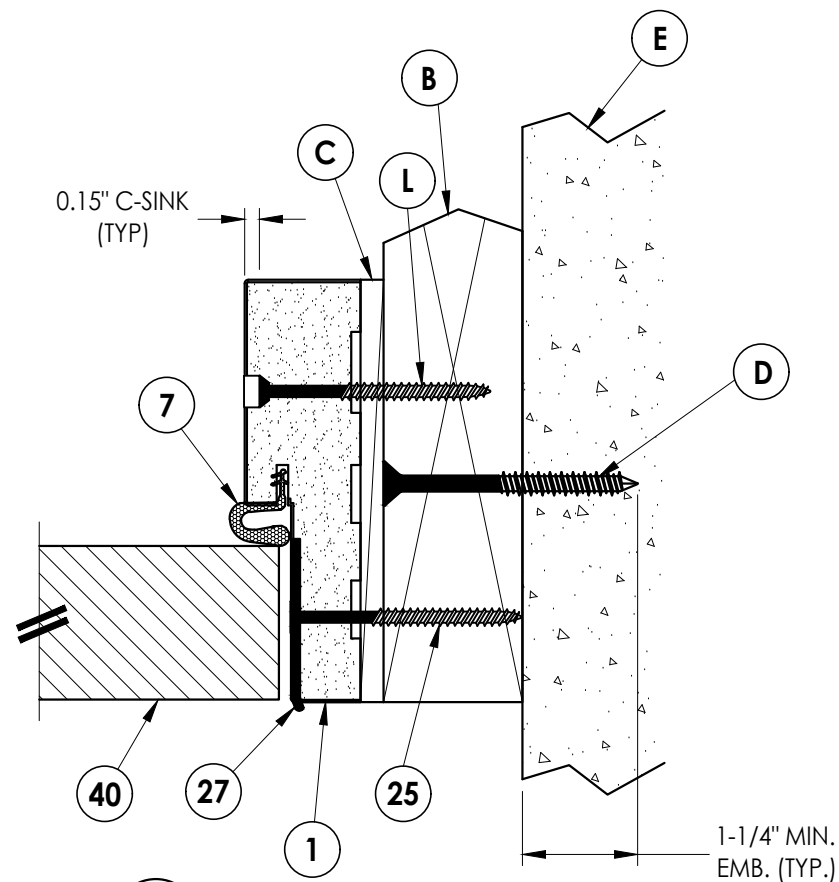
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1
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



2
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



3
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRIMLITE

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

DATE: 7/23/18

SCALE: N.T.S.

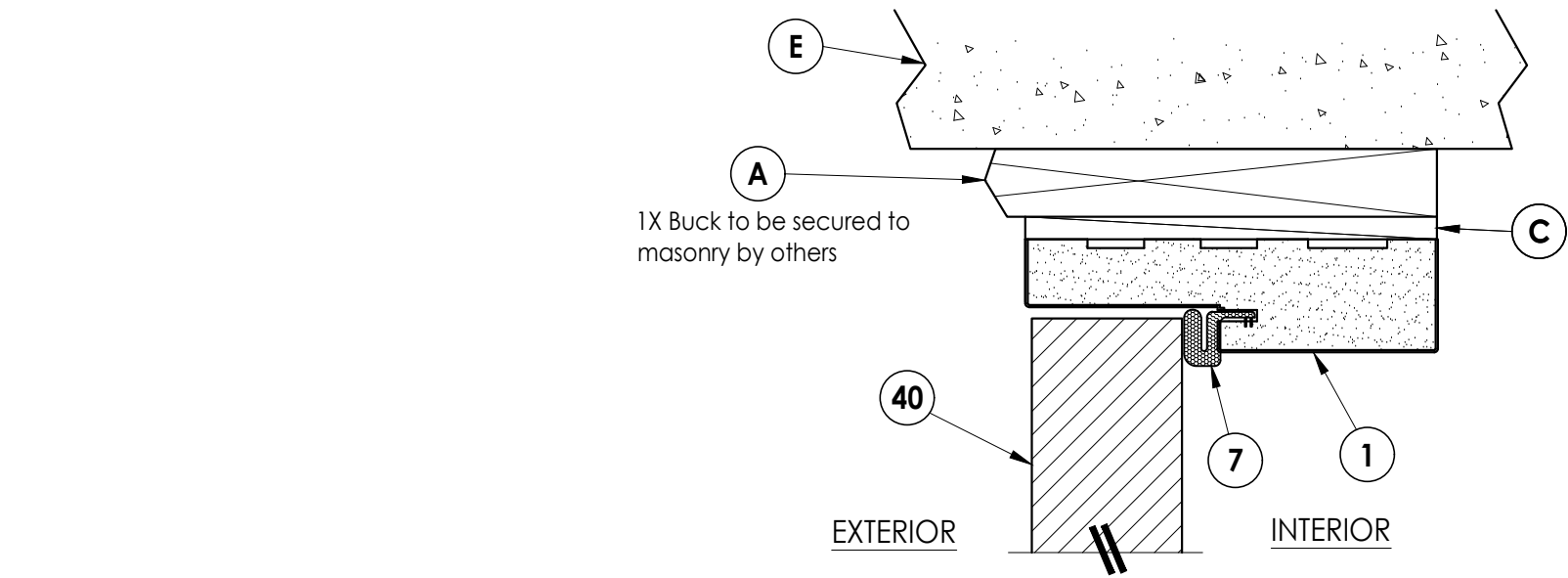
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CHK. BY: LFS

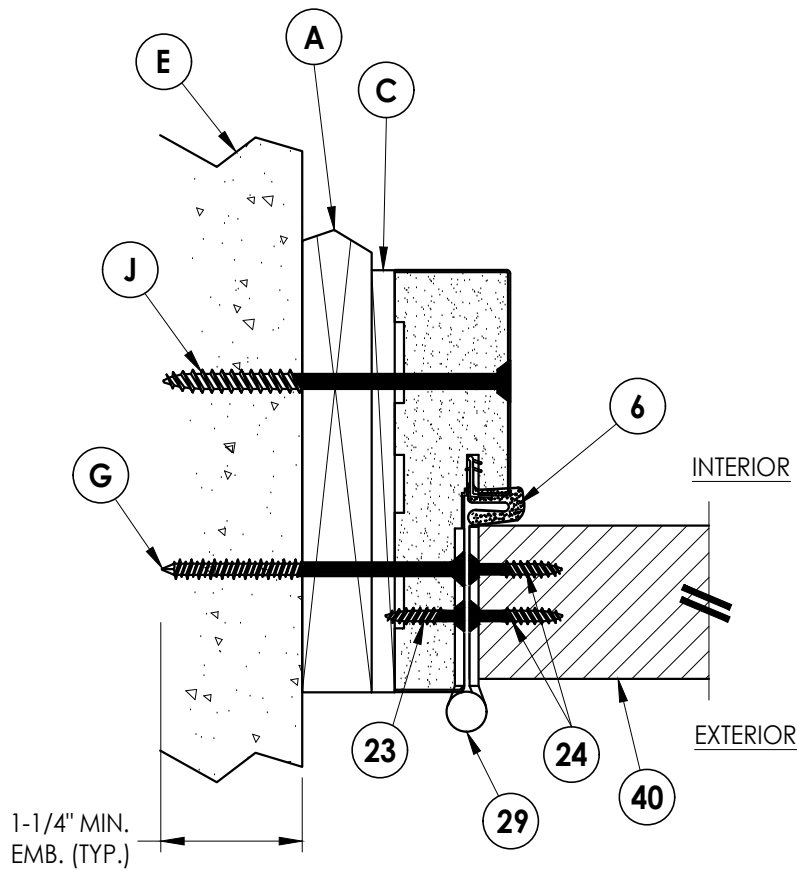
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SHEET 4 OF 9

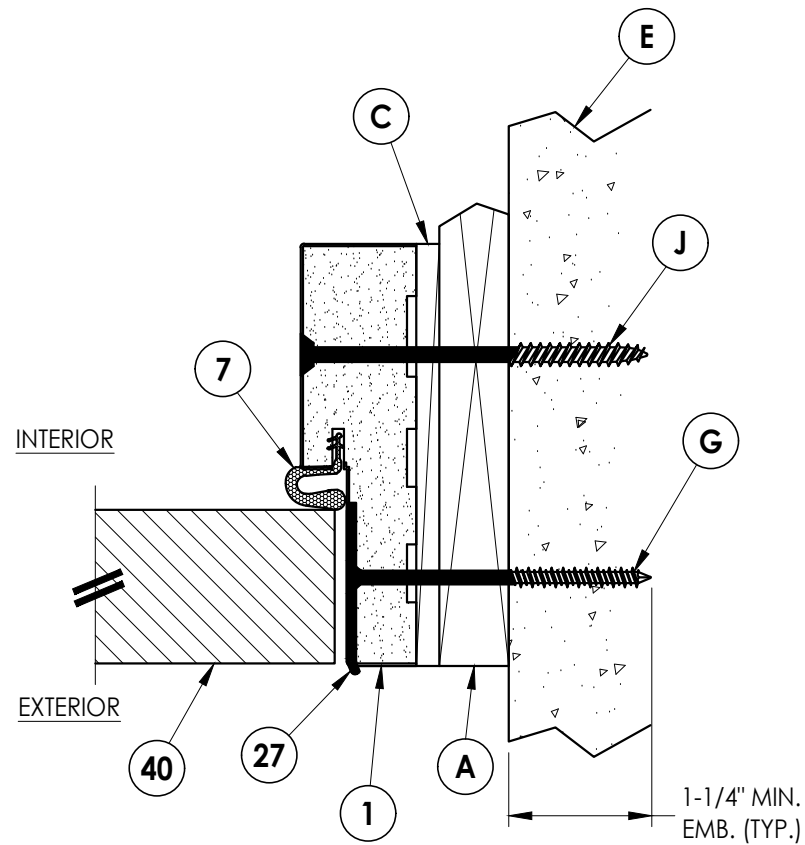
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1 VERTICAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



2 HORIZONTAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

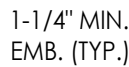


3 HORIZONTAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

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FBPE Registry No. 9813

PRODUCT: TRIMLITE		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
		LFS	LFS
		FBC	FBC
2	8/29/23	UPDATE TO 8TH ED. (2023)	BY
1	8/06/20	UPDATE TO 7TH ED. (2020)	DATE
REVISIONS			
DATE: 7/23/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-27580.1			
SHEET 5 OF 9			



2 **HORIZONTAL CROSS SECTION**

6 Shown Direct to Masonry
Outswing shown (Inswing similar)



1 VERTICAL CROSS SECTION

6 Shown Direct to Masonry
Outswing shown (Inswing similar)



3 HORIZONTAL CROSS SECTION

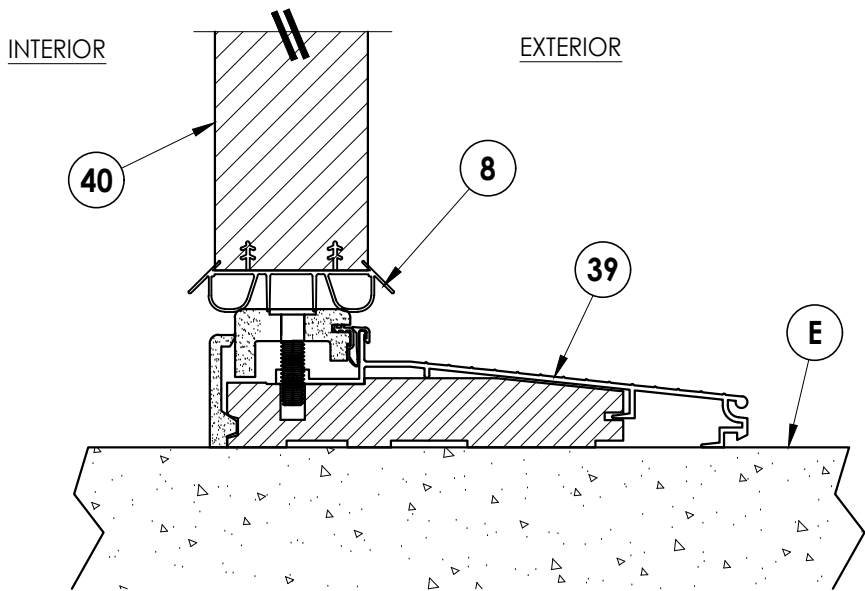
6 Shown Direct to Masonry
Outswing shown (Inswing similar)

2	8/29/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
1	8/06/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
NO.	DATE	BY			
					REVISIONS

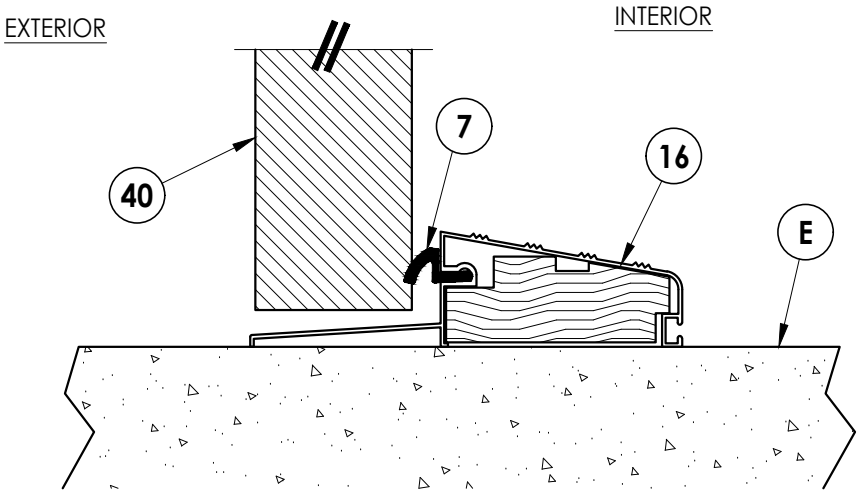
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1
7 VERTICAL CROSS SECTION
Inswing Sill



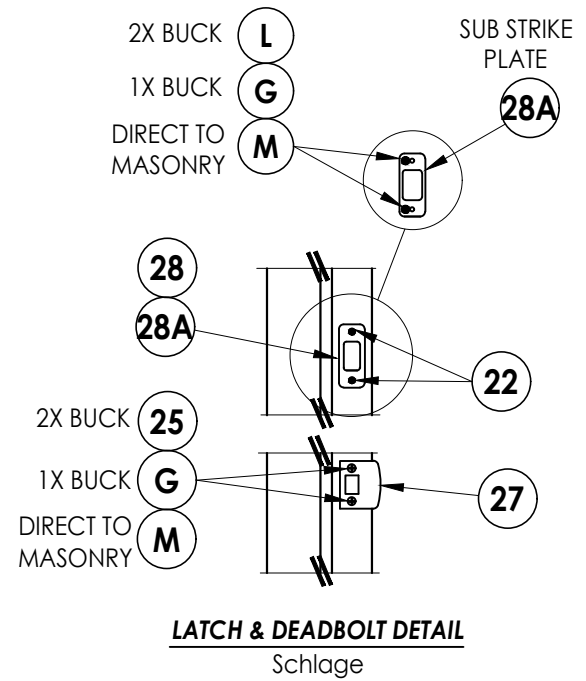
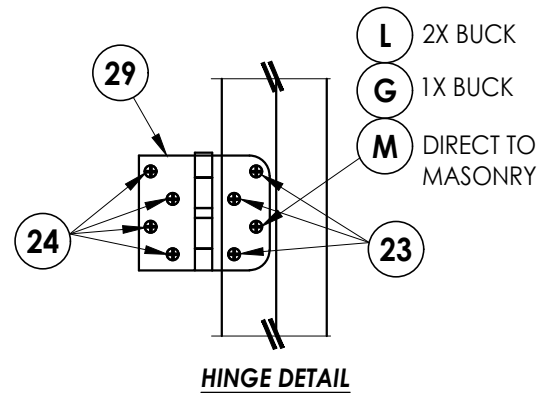
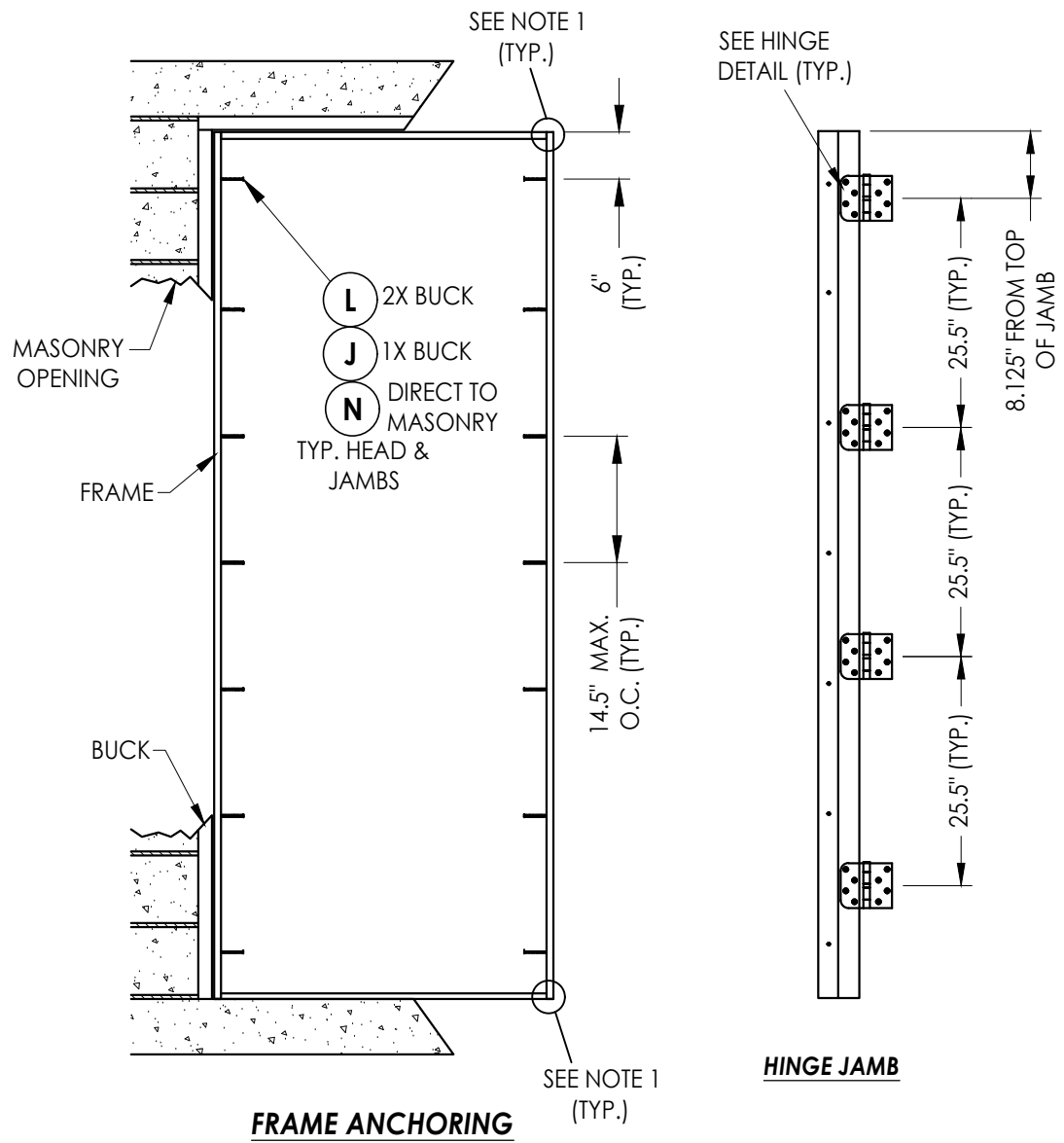
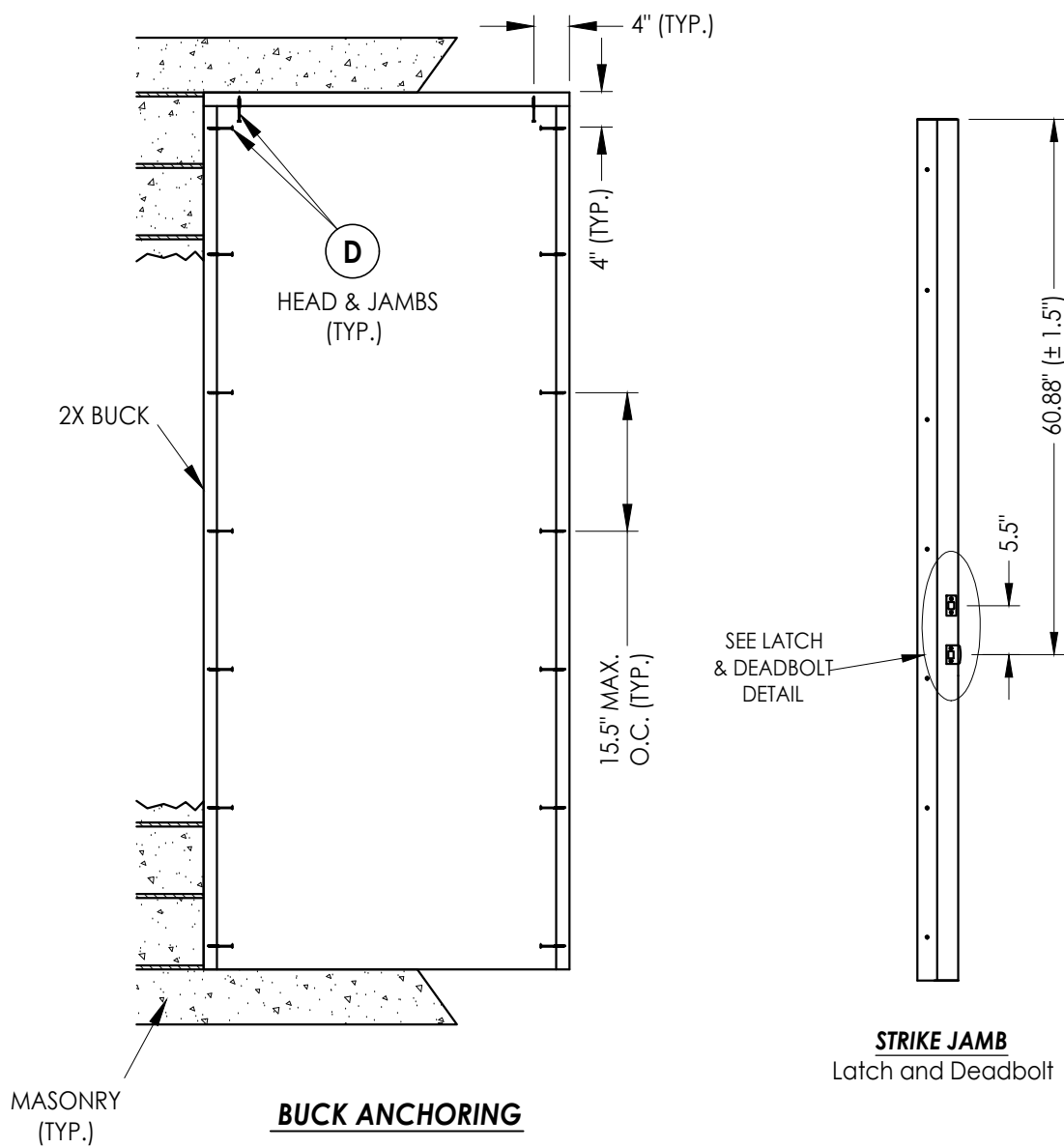
2
7 VERTICAL CROSS SECTION
Outswing Sill

2	8/29/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
1	8/06/20	UPDATE TO 7TH ED. (2020)	FBC	LFS					
NO.	DATE								

DATE:	7/23/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-27580.1
SHEET	7 OF 9

PRODUCT:	TRIMLITE
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

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NOTE:
1. FRAME CORNERS AT HEAD & SILL ATTACHED w/ (3) #8 x 2-1/2" WOOD SCREWS.

2	8/29/23	UPDATE TO	8TH ED.	(2023)	FBC LFS
1	8/06/20	UPDATE TO	7TH ED.	(2020)	FBC LFS
NO.	DATE				BY
					REVISIONS

DATE: 7/23/18

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-27580.1

SHEET 8 OF 9

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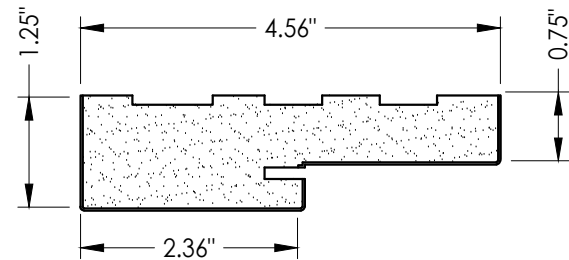
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
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
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
1	JAMB	COMPOSITE
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
15	INSWING THRESHOLD	ALUM/COMP
16	OUTSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL
25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28A	DEADBOLT SUB STRIKE PLATE	STEEL
28B	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
40	DOOR PANEL	-

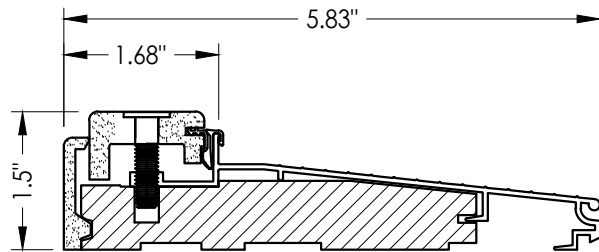
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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 TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"

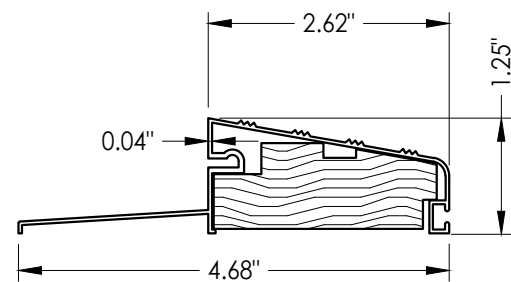
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



1 COMPOSITE JAMB



15 INSWING THRESHOLD
Adjustable



16 OUTSWING THRESHOLD

[illegible]