

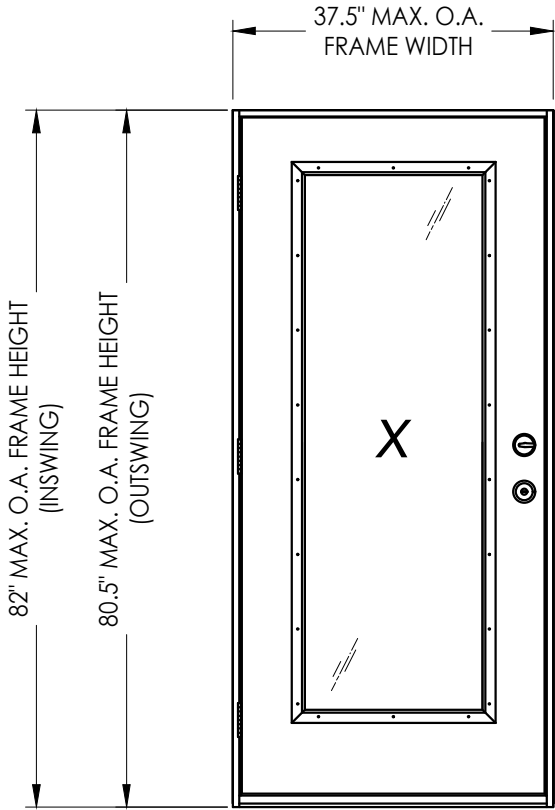


GLAZED FIBERGLASS ENTRY DOORS
SINGLE
INSWING / OUTSWING
"NON-IMPACT"

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. 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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Lite Frame & Glazing 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 & Components



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 82.0"	+50.0	-50.0	+50.0	-50.0

A circular professional engineer seal for L.F. Schmidt. The seal features a dotted outer ring with the text "L.F. SCHMIDT" at the top, "LICENSE" in the center, and "No. 43409" below it. The words "PROFESSIONAL ENGINEER" are written along the bottom inner edge of the ring. The seal is flanked by two stars. The name "L.F. Schmidt" is handwritten in cursive across the seal. Below the seal, the text "STATE OF FLORIDA" is printed.

Digitally signed by
Lyndon F Schmidt
Date: 2025.04.23
17:20:53 -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

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

PRODUCT: TRIMLITE
FIBERGLASS DOORS

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

[illegible]

DATE: 6/18/24

SCALE: *N.T.S.*

DWG. BY: *RW*

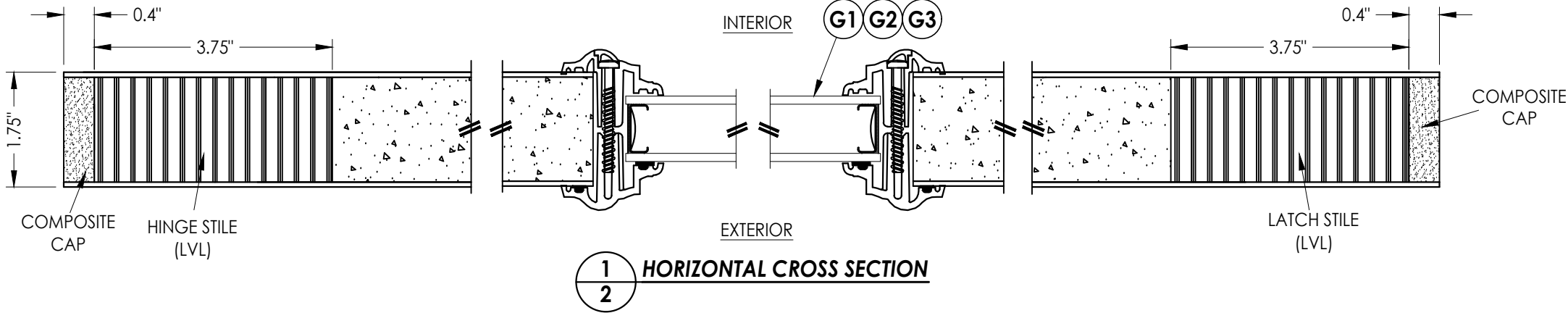
CHK. BY: LFS

DRAWING NO.:

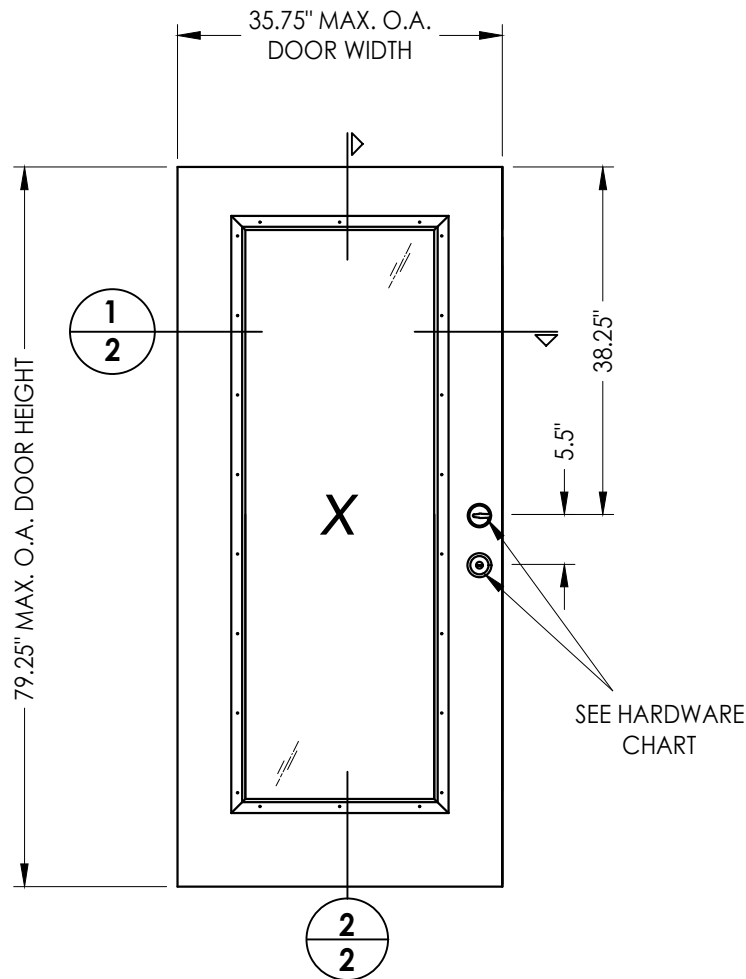
FL-46831.4

SHEET 1 OF 9

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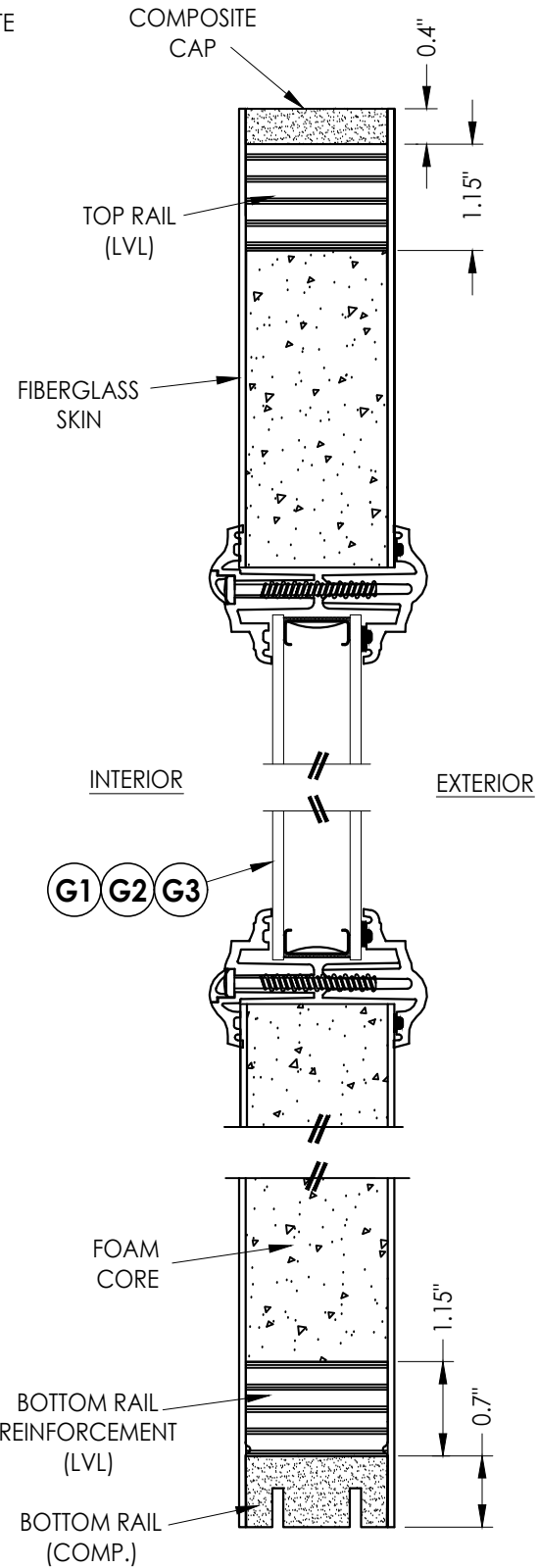
1
2 **HORIZONTAL CROSS SECTION**



40 **FIBERGLASS DOOR PANEL**
BUILDERS HARDWARE

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60N
YALE	KNOB:	YE SERIES
	DEADBOLT:	YE SERIES

FIBERGLASS DOOR SKIN: MIN. 0.080" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



2
2 **VERTICAL CROSS SECTION**

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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:
TRIMLITE
FIBERGLASS DOORS

PART OR ASSEMBLY:
DOOR PANEL DETAILS

REVISE FOR NEW TESTING		REVISIONS	
NO.	DATE	LFS	BY
1	4/21/25		

DATE: 6/18/24

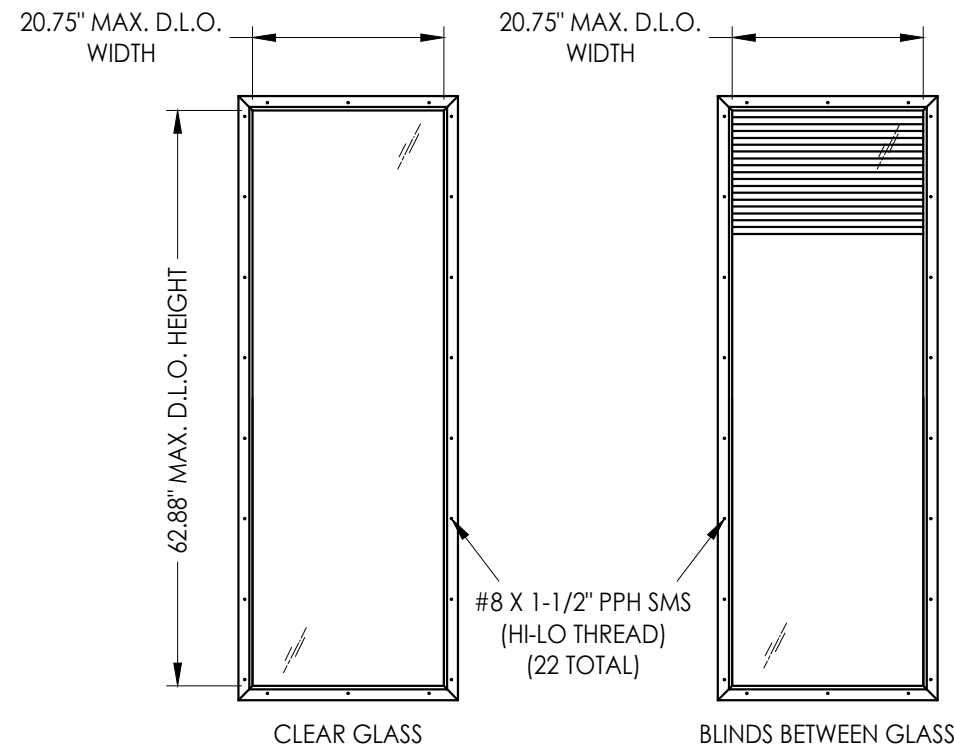
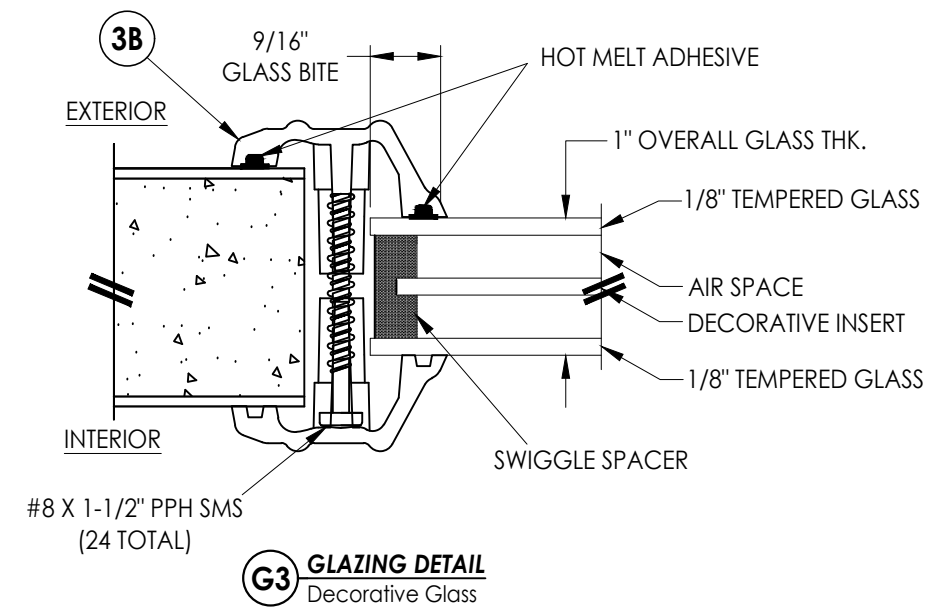
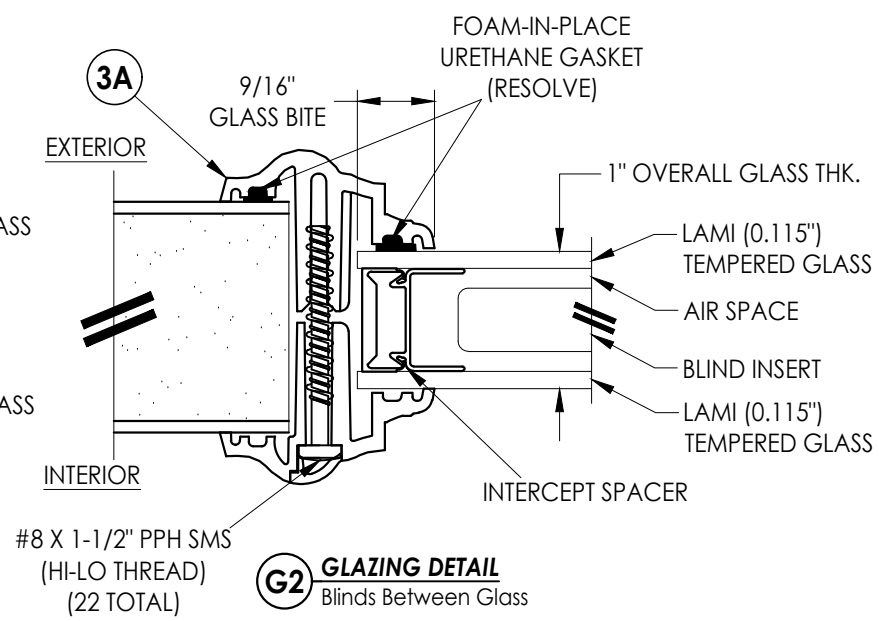
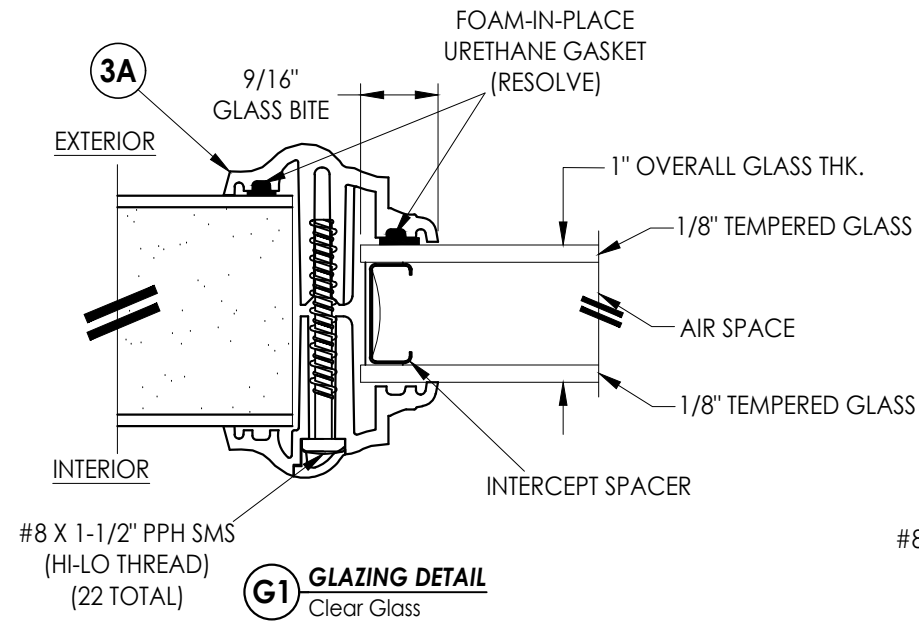
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DWG. BY: RW

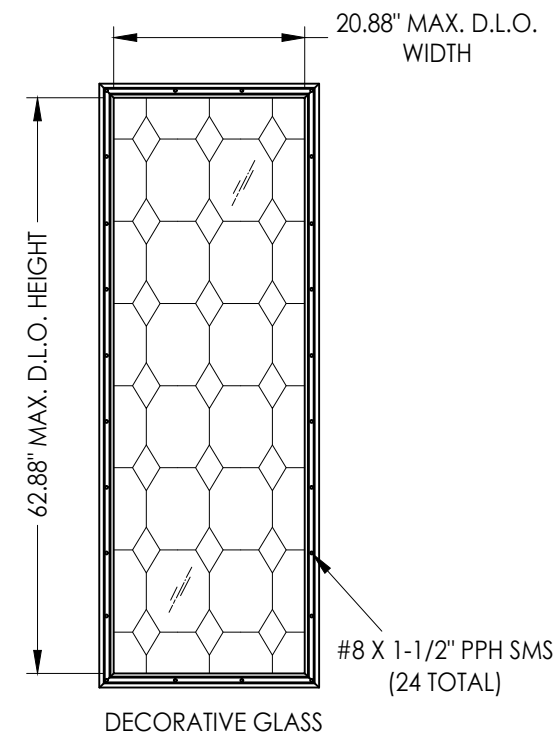
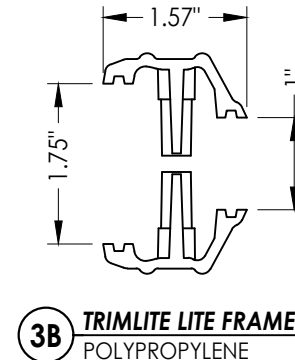
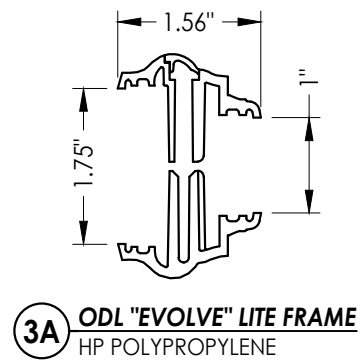
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DRAWING NO.: FL-46831.4

SHEET 2 OF 9



OLD "EVOLVE" LITE FRAME



TRIMLITE LITE FRAME

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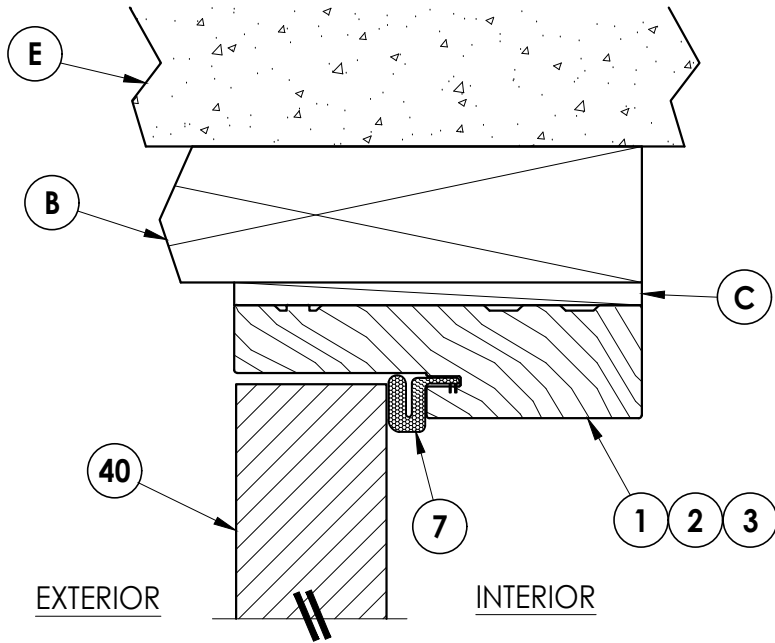
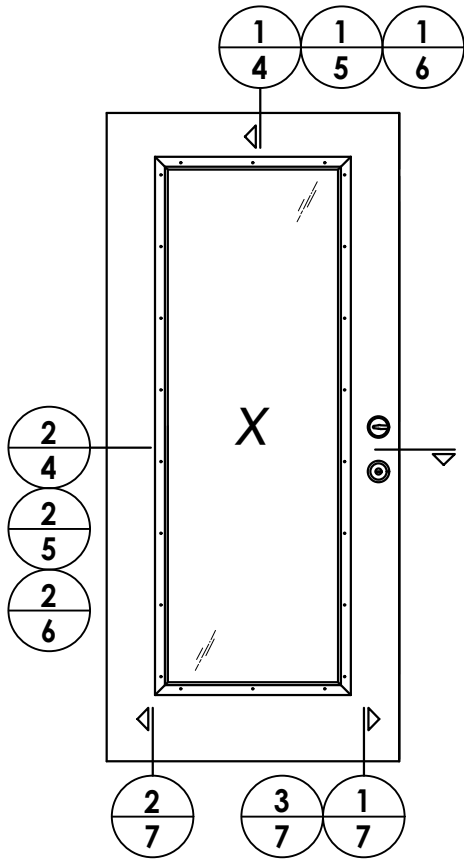
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT: TRIMLITE
FIBERGLASS DOORS

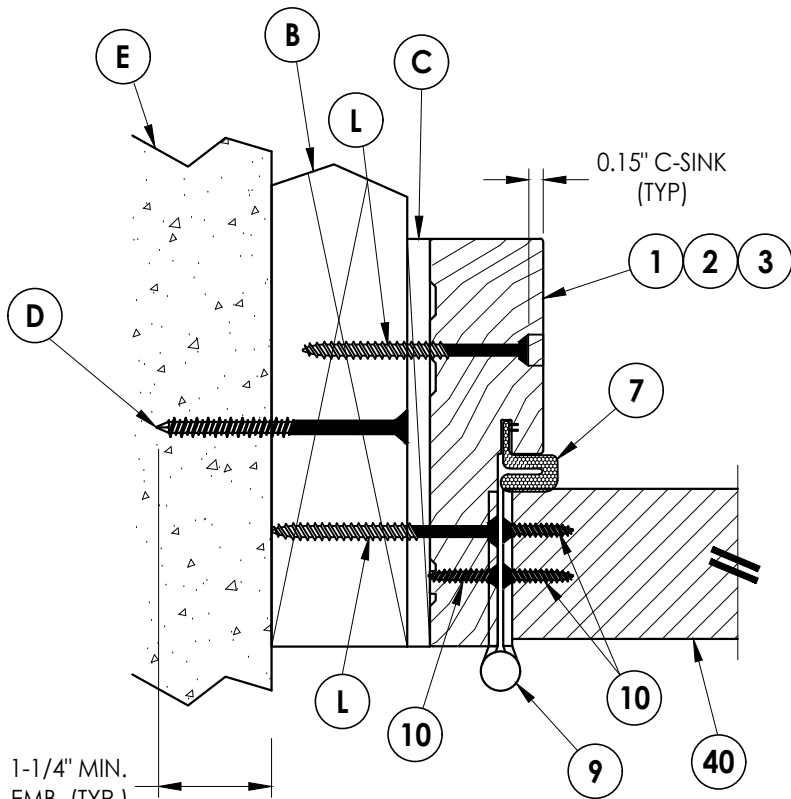
PART OR ASSEMBLY:
LITE FRAME
& GLAZING DETAILS

NO.	DATE	REVISIONS	LFS	BY
1	4/21/25	REVISE FOR NEW TESTING		

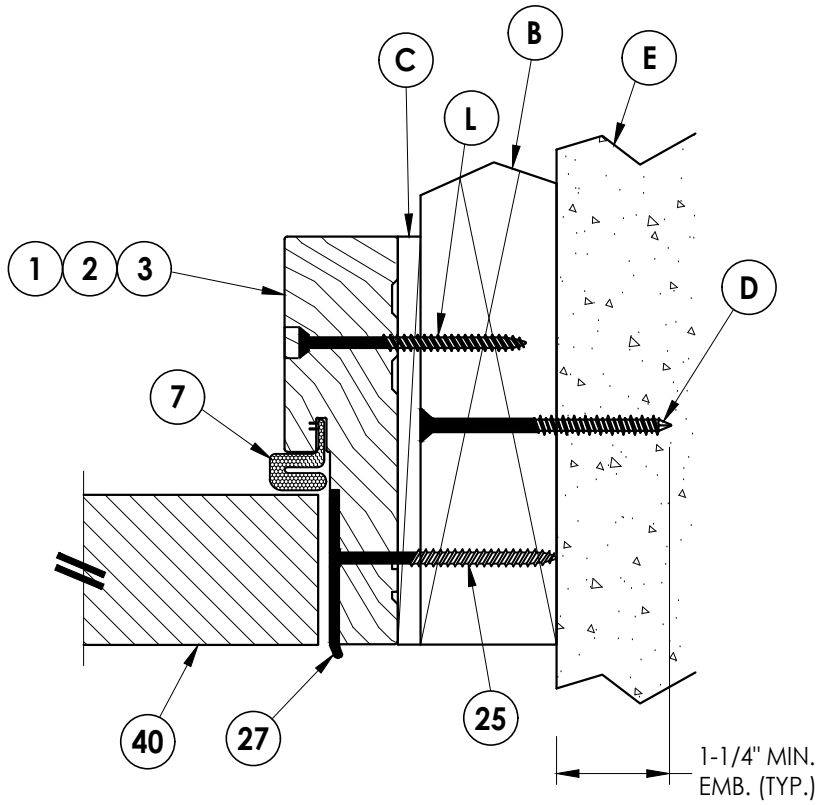
DATE: 6/18/24
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-46831.4
SHEET 3 OF 9



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



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



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P.E. No. 43409

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

PRODUCT: TRIMLITE
FIBERGLASS DOORS

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

NO.	DATE	REVISIONS
1	4/21/25	REVISE FOR NEW TESTING
LFS	BY	

DATE: 6/18/24

SCALE: N.T.S.

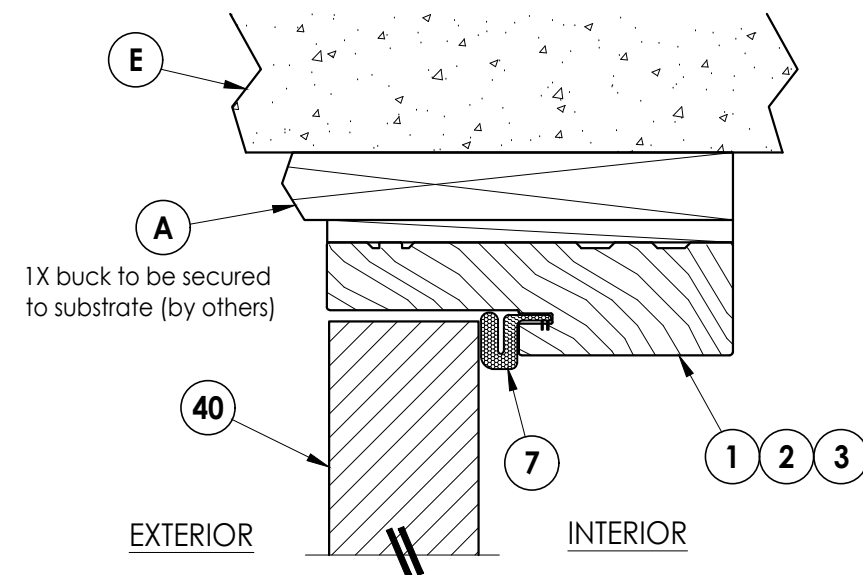
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CHK. BY: LFS

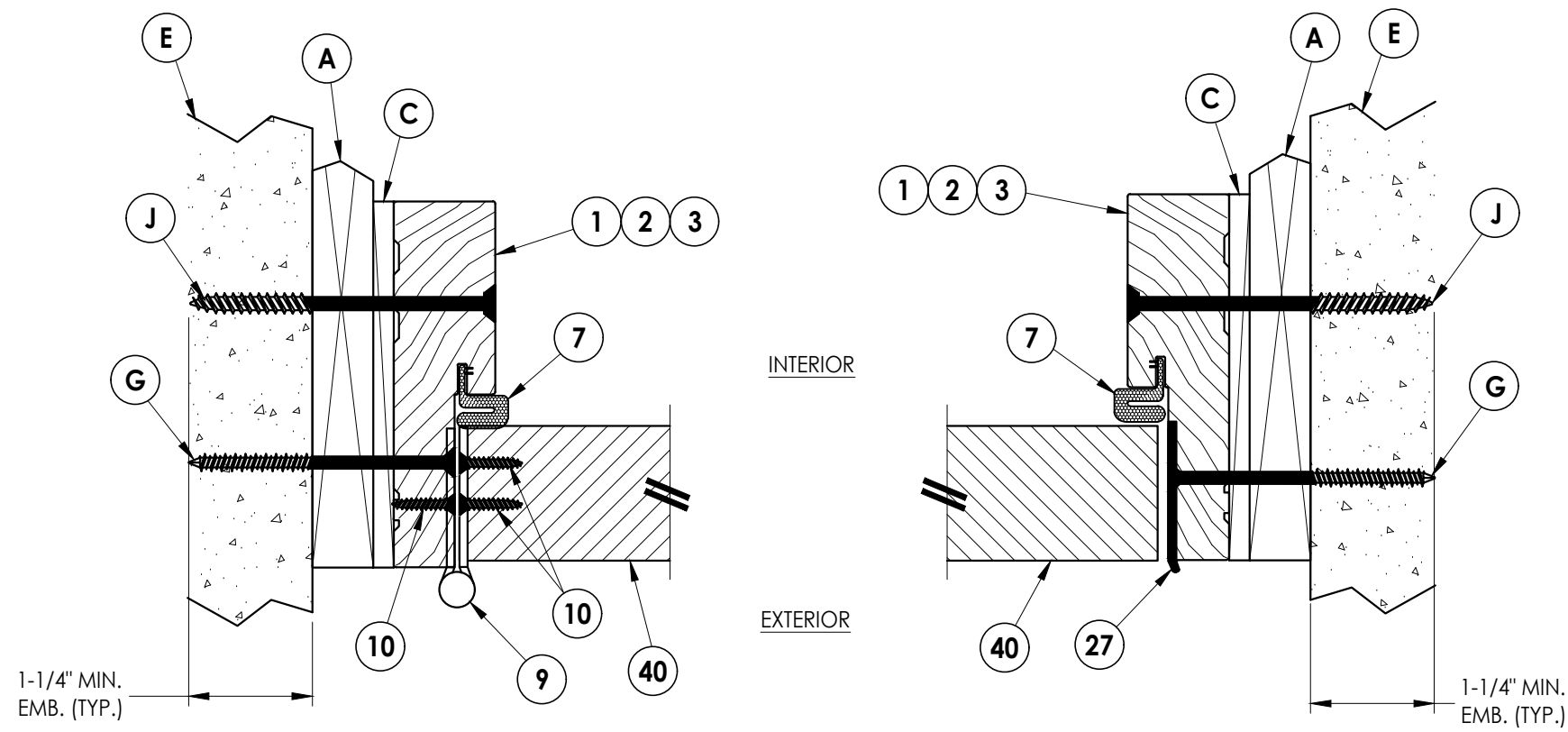
DRAWING NO.:

FL-46831.4

SHEET 4 OF 9



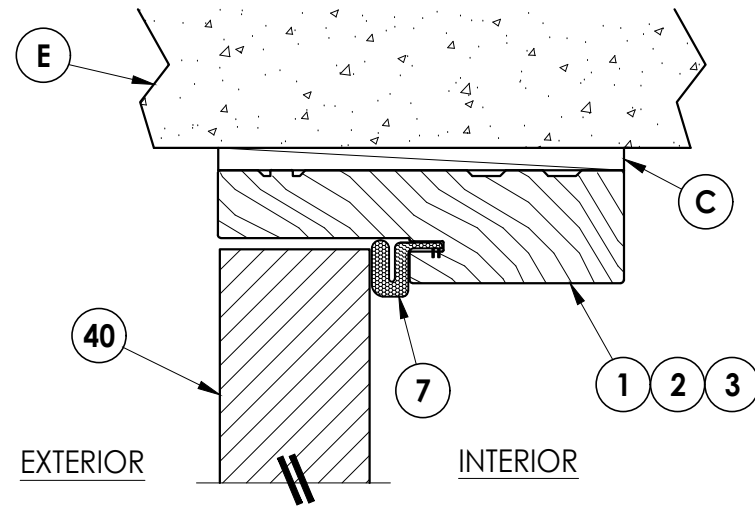
1 **VERTICAL CROSS SECTION**
5 Outswing shown (Inswing similar)
 Shown w/ 1X Buck



2 HORIZONTAL CROSS SECTION

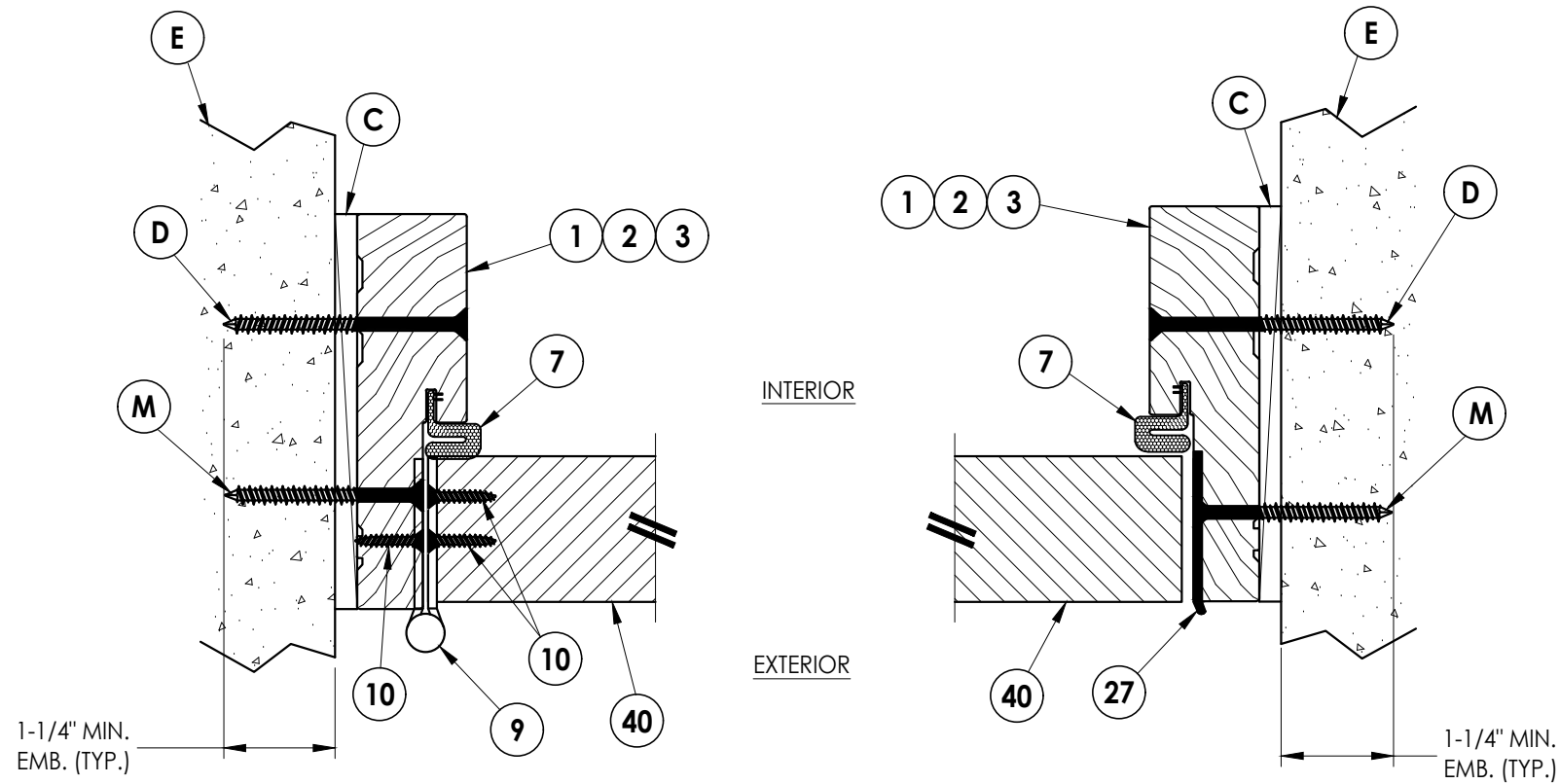
5 Outswing shown (Inswing similar) Shown w/ 1X Buck

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PRODUCT: TRIMLITE FIBERGLASS DOORS		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
1	4/21/25	REVISE FOR NEW TESTING	LFS
NO.	DATE		BY
		REVISIONS	
DATE: 6/18/24			
SCALE: N.T.S.			
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.: FL-46831.4			
SHEET 5		OF 9	



1 6 **VERTICAL CROSS SECTION**

Outswing shown (Inswing similar)
Shown Direct to Masonry



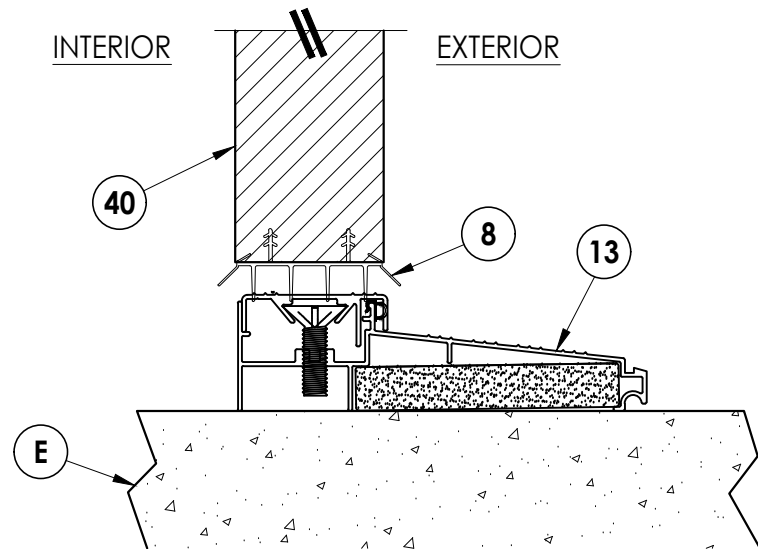
2 HORIZONTAL CROSS SECTION

6 Outswing shown (Inswing similar) Shown Direct to Masonry

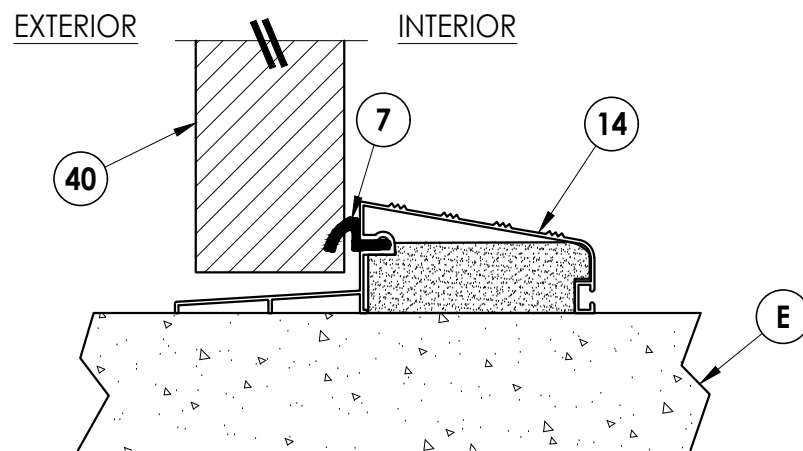
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P.E. No. 43409

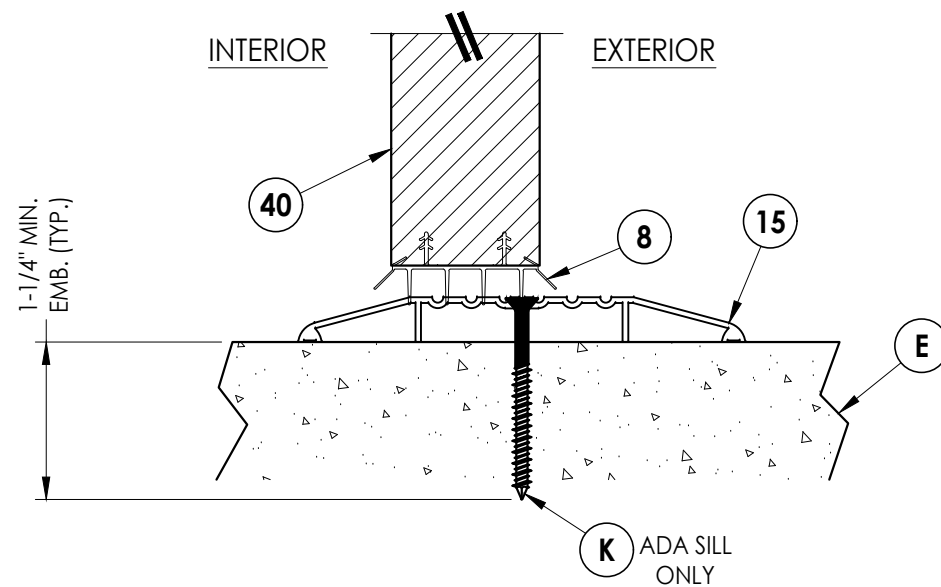
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1 **VERTICAL CROSS SECTION**
7 Inswing Threshold



2 7 VERTICAL CROSS SECTION



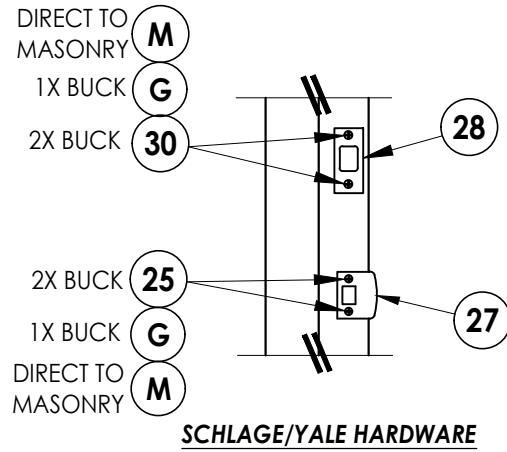
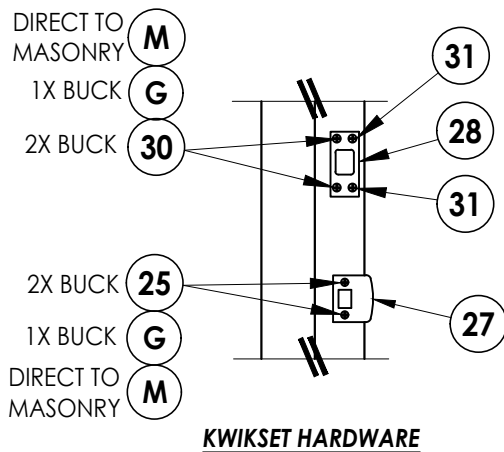
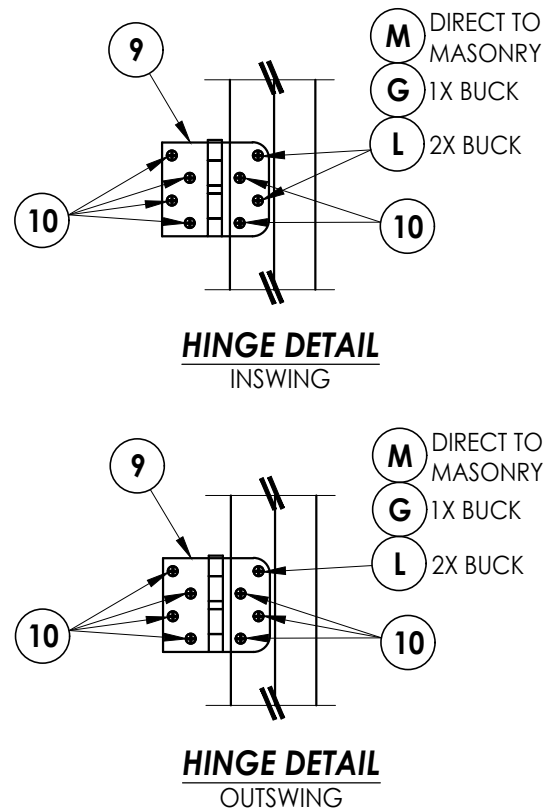
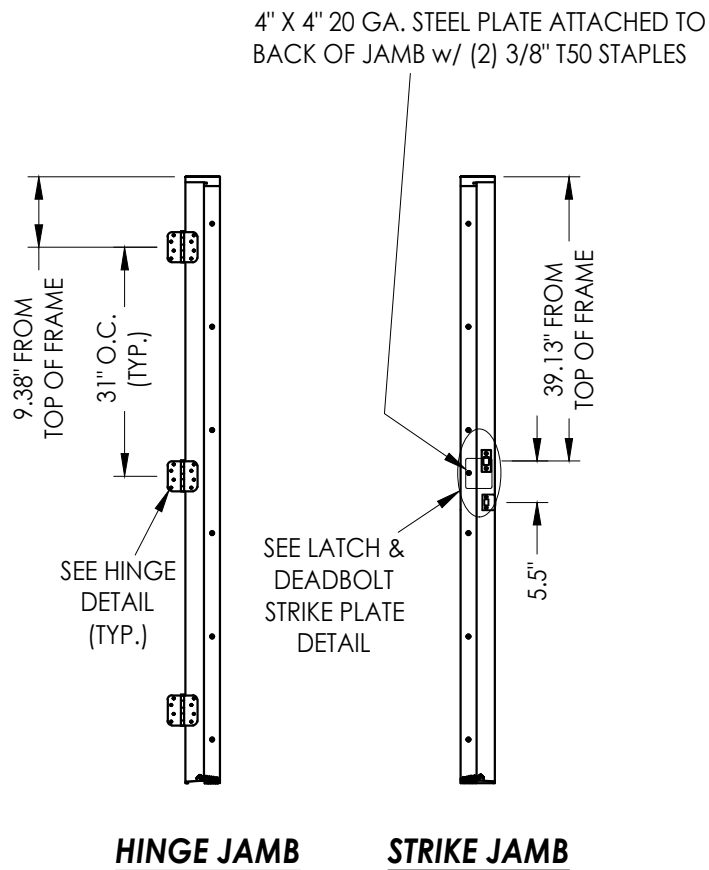
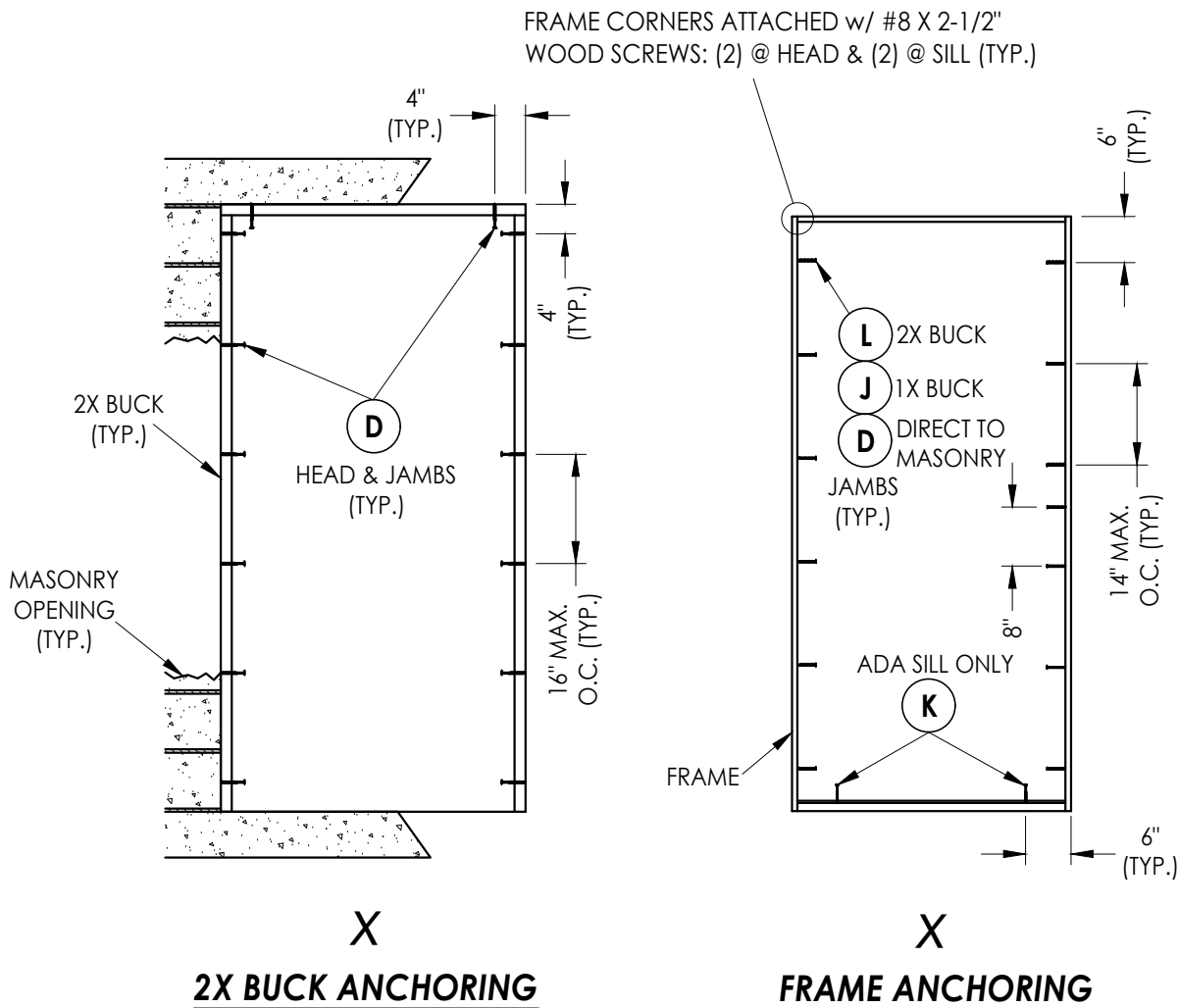
3 VERTICAL CROSS SECTION

PRODUCT:		TRIMLITE FIBERGLASS DOORS	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS (THRESHOLDS)	
1	4/21/25	REVISE FOR NEW TESTING	LFS
NO.	DATE		BY
		REVISIONS	
DATE: 6/18/24			
SCALE: N.T.S.			
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.: FL-46831.4			
SHEET 7		OF 9	

Documents Prepared By:
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P.E. No. 43409

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LATCH & DEADBOLT STRIKE PLATE DETAILS

HARDWARE DETAILS

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: TRIMLITE FIBERGLASS DOORS				PART OR ASSEMBLY: BUCK & FRAME ANCHORING			
						LFS	
						BY	
DATE: 6/18/24				1 4/21/25 REVISE FOR NEW TESTING			
SCALE: N.T.S.				NO. DATE			
DWG. BY: RW				REVISIONS			
CHK. BY: LFS							
DRAWING NO.: FL-46831.4							
SHEET 8 OF 9							

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 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
K	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (FINGER JOINTED PINE)	WOOD
2	COMPOSITE JAMB	COMP
3	POLY FIBER JAMB	COMP
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
15	ADA THRESHOLD	ALUM
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
31	#8 X 1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-

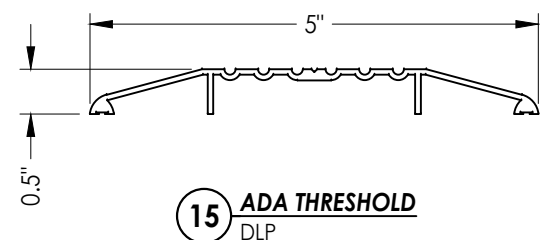
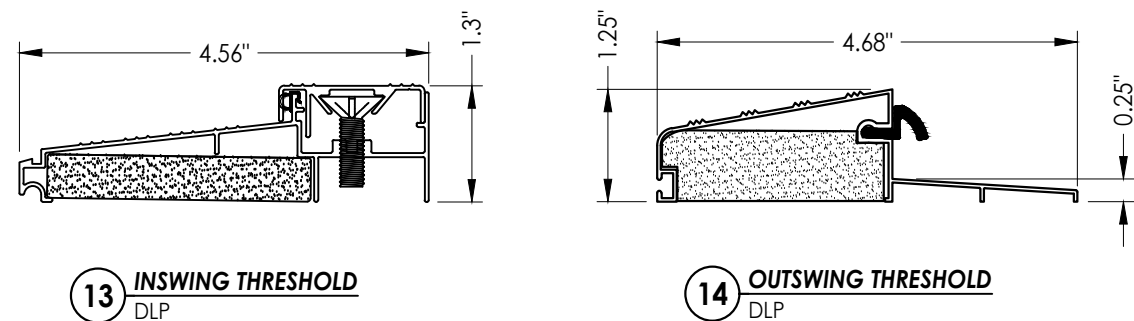
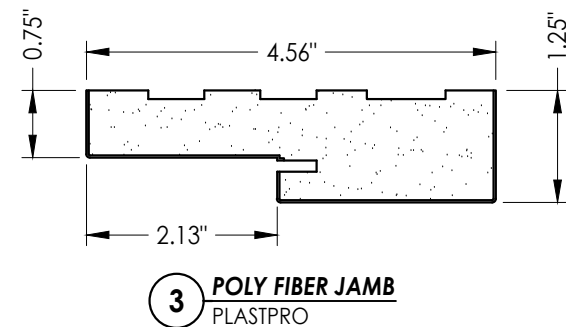
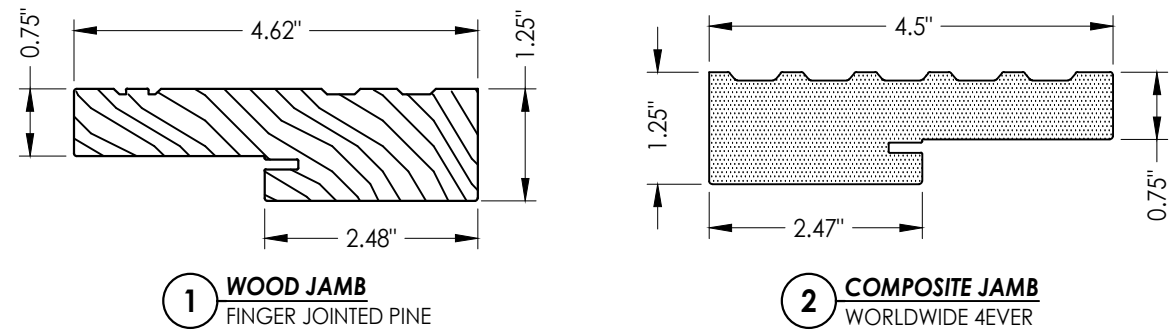
CONCRETE ANCHOR NOTES:

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.

[illegible]