

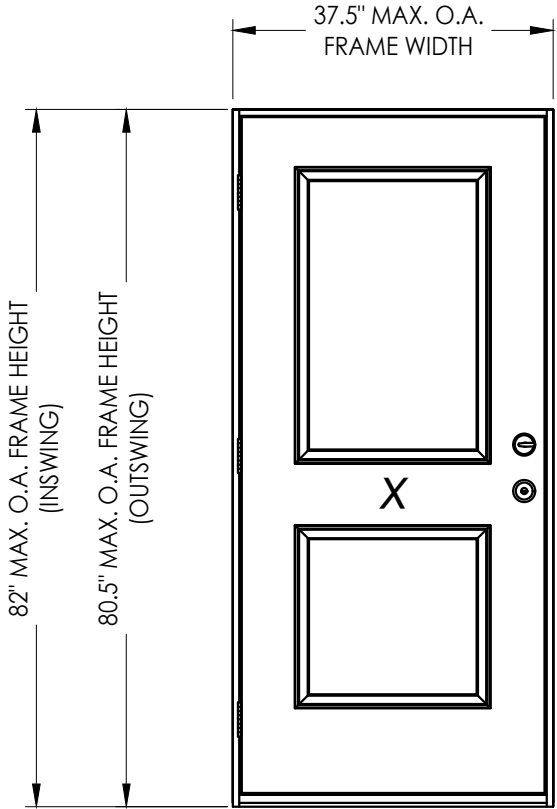


OPAQUE FIBERGLASS ENTRY DOORS
SINGLE
INSWING / OUTSWING
"IMPACT"

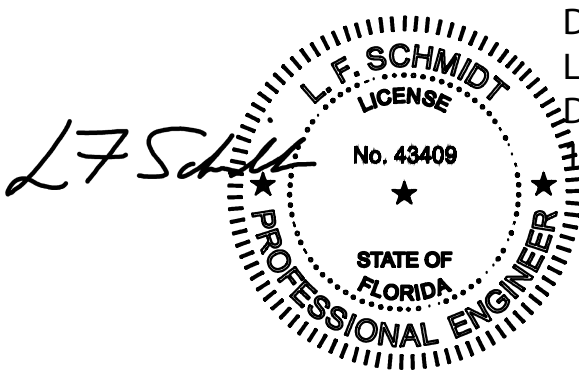
GENERAL NOTES

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 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.
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	Horizontal & Vertical Cross Sections (2X Buck)
4	Horizontal & Vertical Cross Sections (1X Buck)
5	Horizontal & Vertical Cross Sections (Direct to Masonry)
6	Vertical Cross Sections (Thresholds)
7	Buck & Frame Anchoring & Hardware Details
8	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"	+65.0	-70.0	+65.0	-65.0



Digitally signed by
Lyndon F Schmidt
Date: 2025.04.23
16:57:37 -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

TRIMLITE
FIBERGLASS DOORS

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

REVISIONS

NO.	DATE	REVISION
1	4/21/25	REVISE FOR NEW TESTING

DATE: 4/02/25

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-46830.1

SHEET 1 OF 8

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

0.4"

3.75"

1.75"

COMPOSITE CAP

HINGE STILE (LVL)

INTERIOR

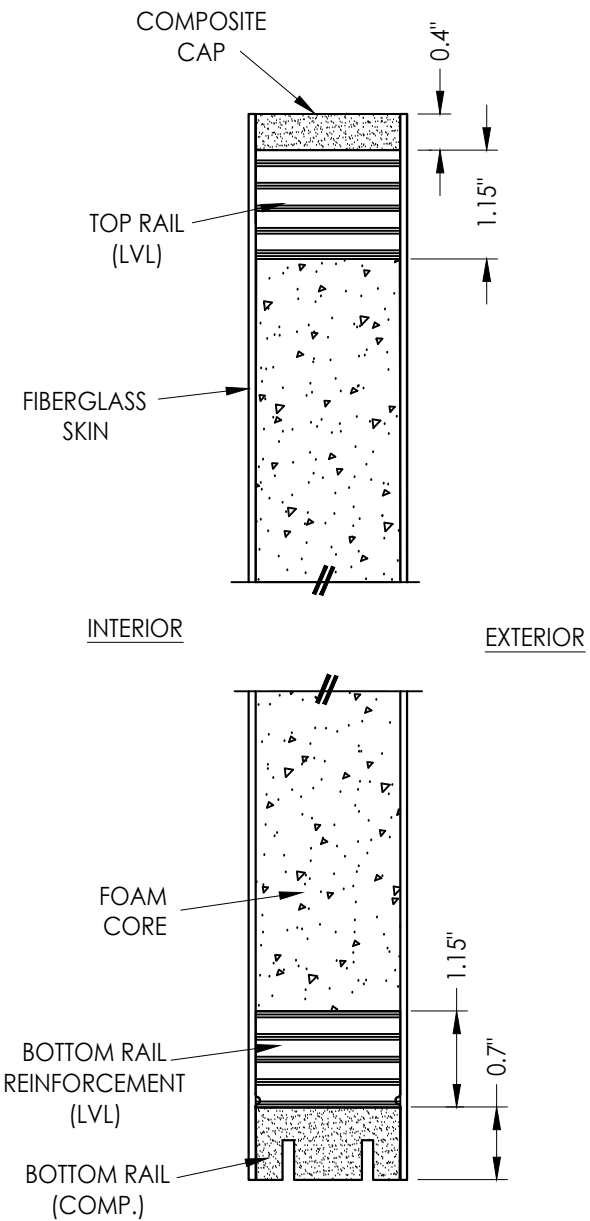
0.4"

3.75"

COMPOSITE CAP

LATCH STILE (LVL)

EXTERIOR



2 VERTICAL CROSS SECTION

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

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

Documents Prepared By:
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RW 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:

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

REVISIONS

REVISIONS

DATE: 4/02/25

SCALE: *N.T.S.*

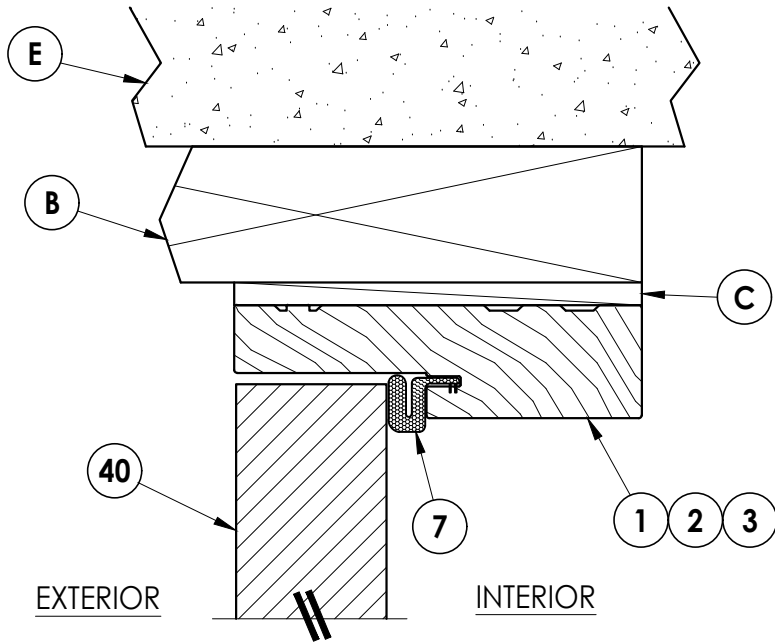
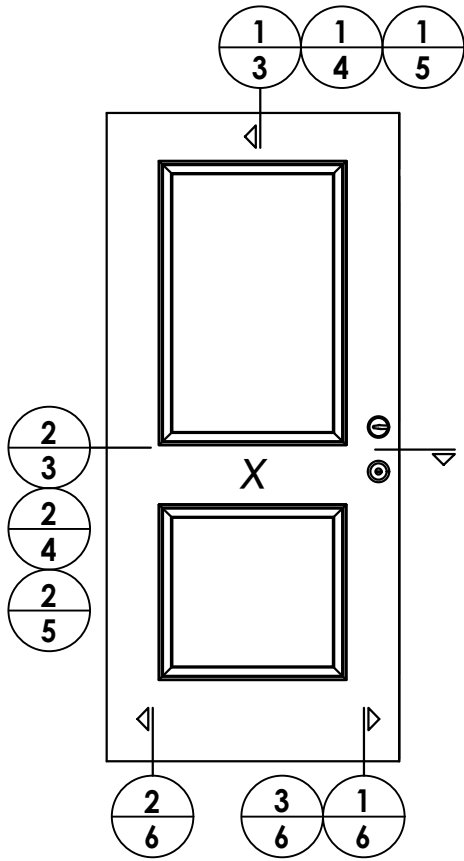
DWG. BY: *RW*

CHK. BY: LFS

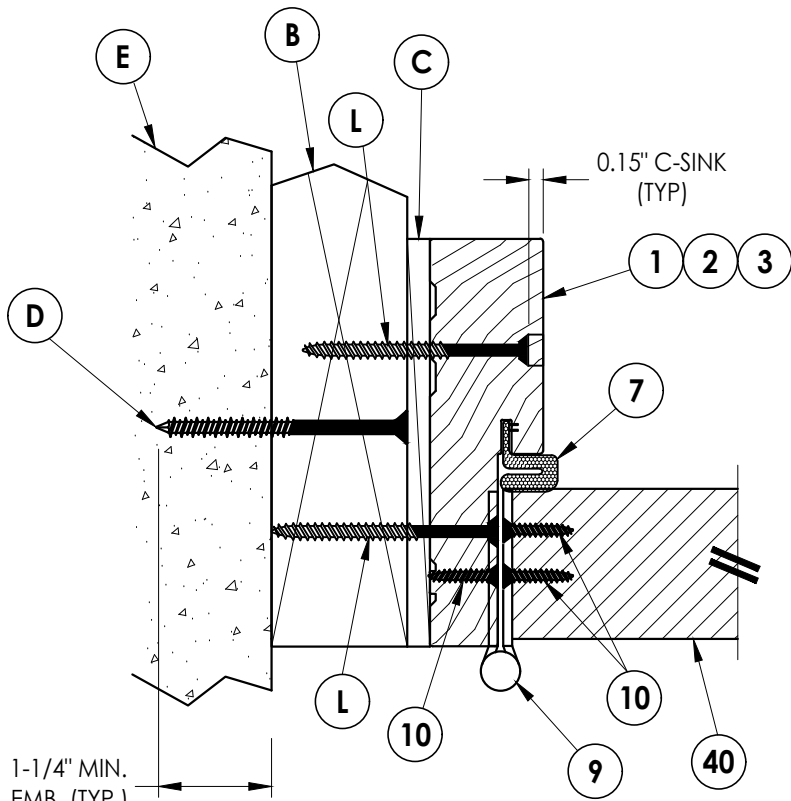
DRAWING NO.:

FL-46830.1

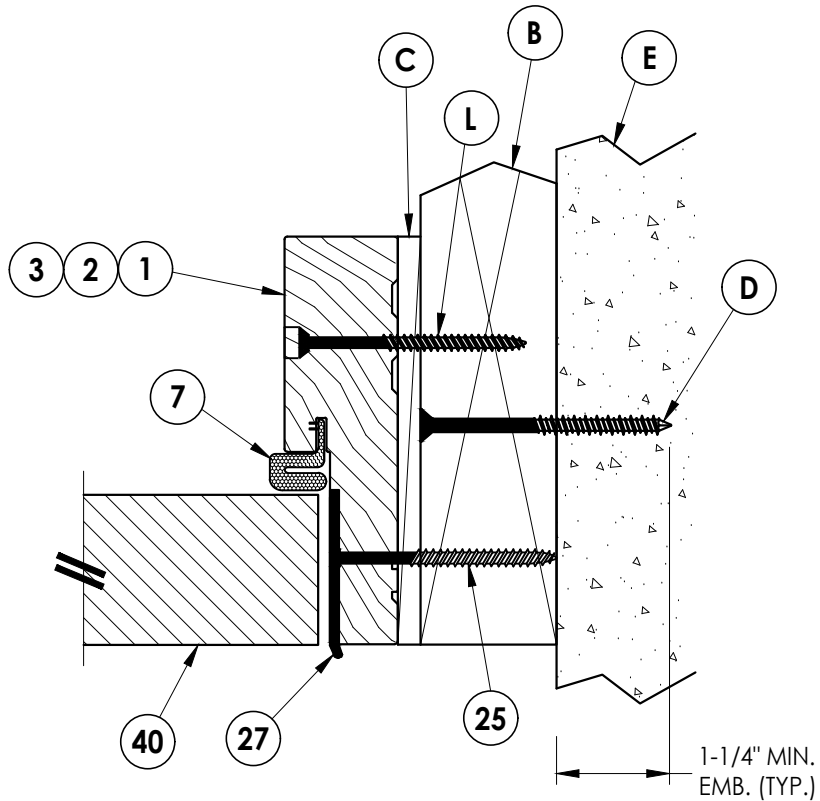
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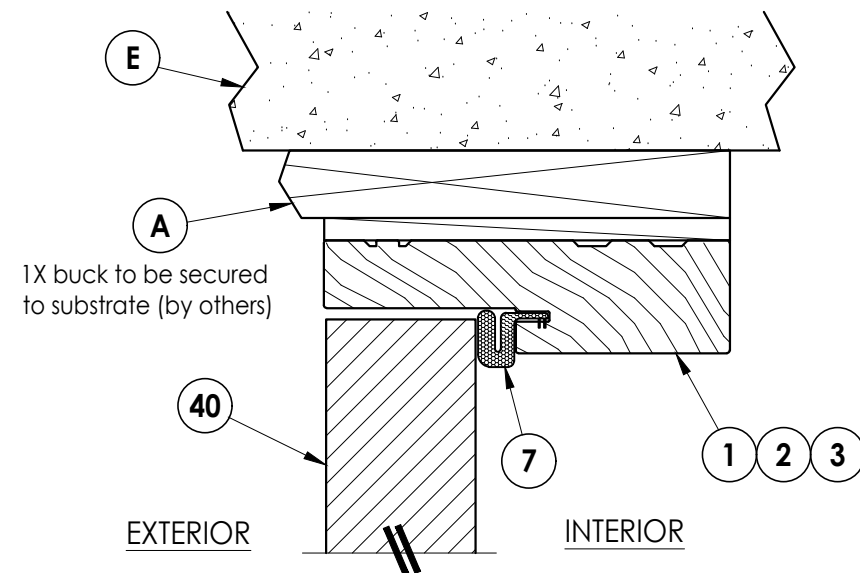
1 **VERTICAL CROSS SECTION**
3 Outswing shown (Inswing similar)



2 **HORIZONTAL CROSS SECTION**
3 Outswing shown (Inswing similar)

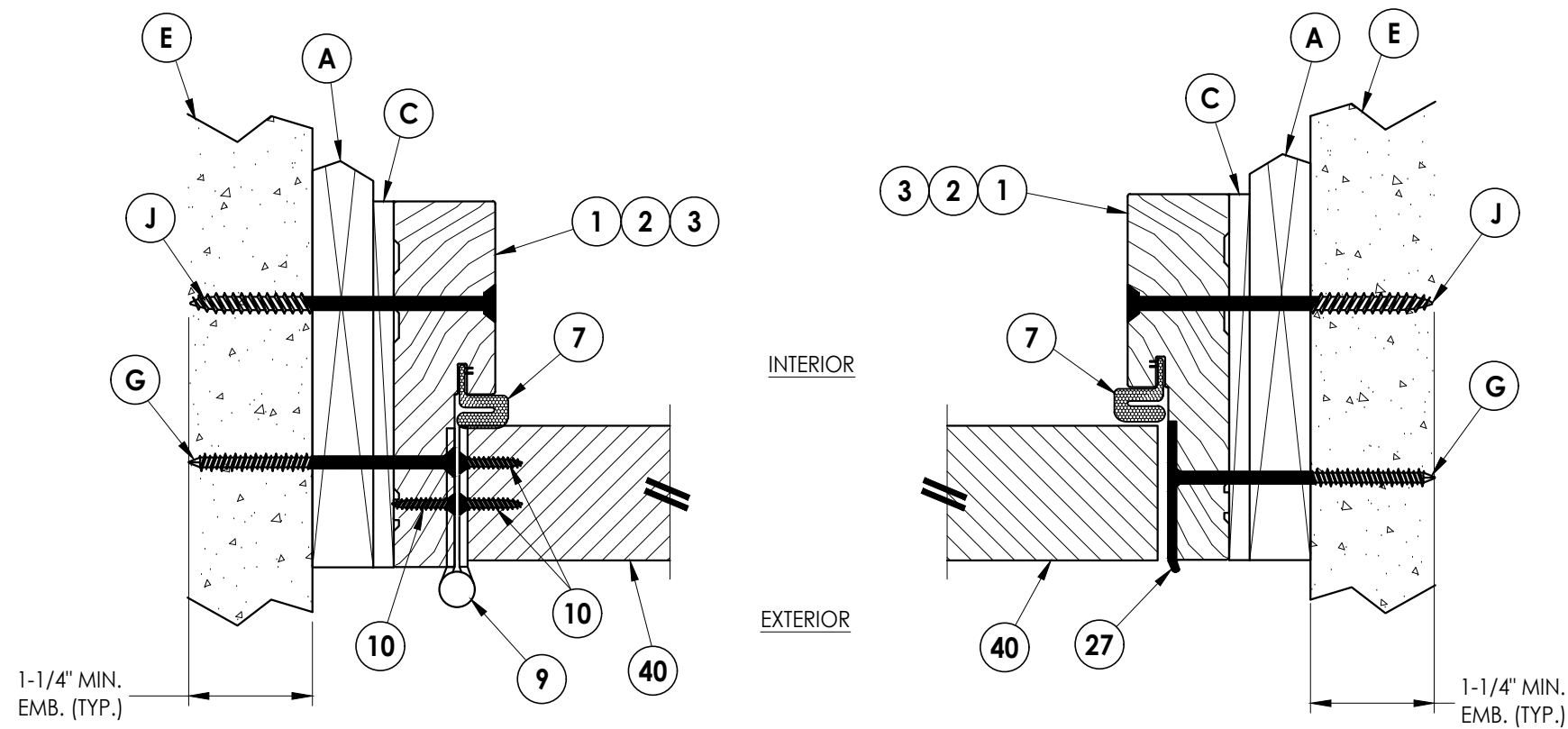


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: TRIMLITE FIBERGLASS DOORS				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)			
DATE: 4/02/25							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-46830.1							
SHEET 3 OF 8							



1 VERTICAL CROSS SECTION

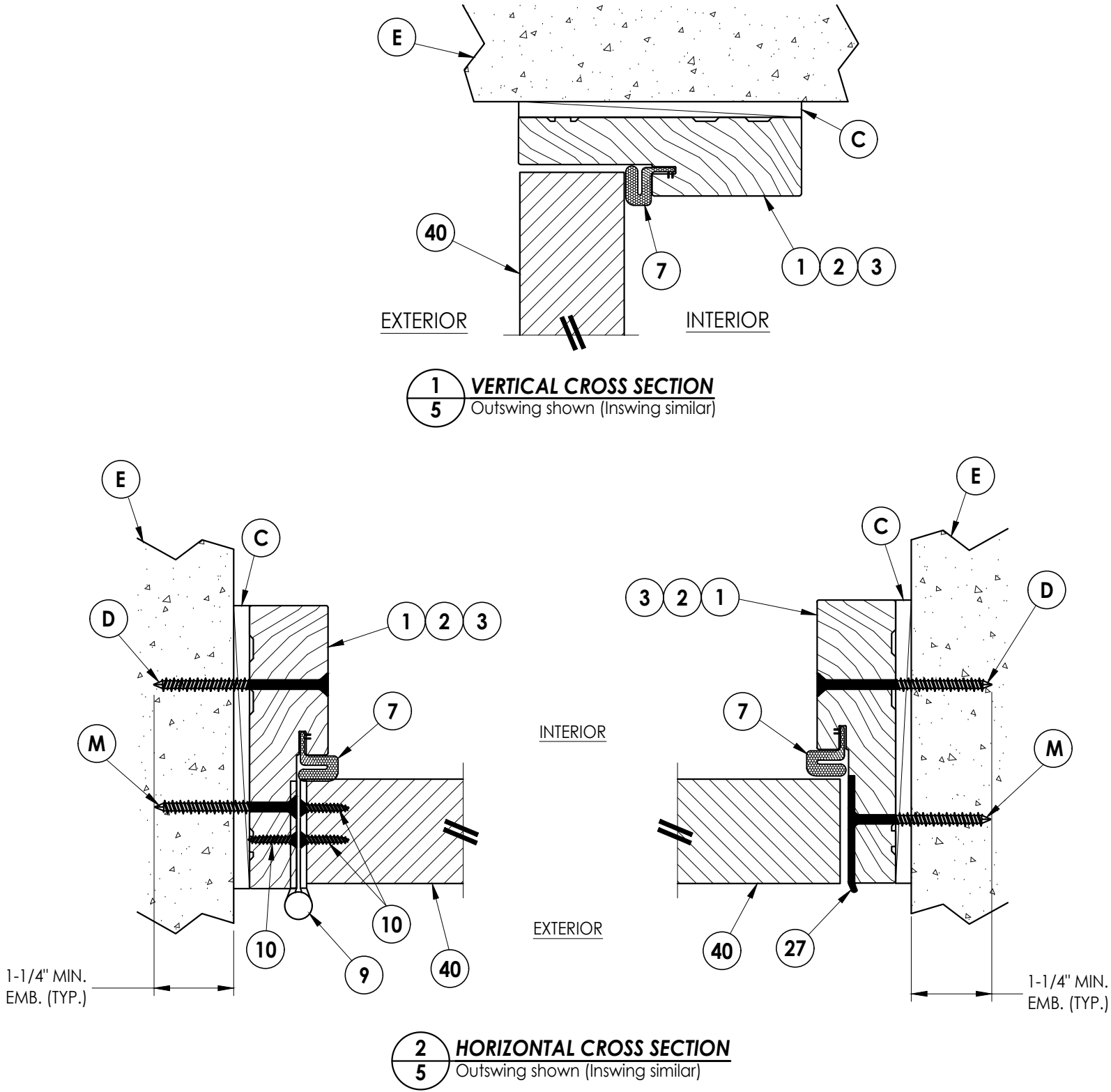
4 Outswing shown (Inswing similar)



2 **HORIZONTAL CROSS SECTION**
4 Outswing shown (Inswing similar)

DATE: 4/02/25		DRAWING NO.: FL-46830.1	
SCALE: N.T.S.		SHEET 4 OF 8	
DWG. BY: RW		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
CHK. BY: LFS		PRODUCT: TRIMLITE FIBERGLASS DOORS	
REVISIONS		DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409	
NO.		BUILDING CONSULTANTS, INC.	
DATE		P.O. Box 230, Valrico, FL 33595	
1 4/21/25		Phone No.: 813.659.9197	
REVISE FOR NEW TESTING		FBPE Registry No. 9813	
LFS			
BY			

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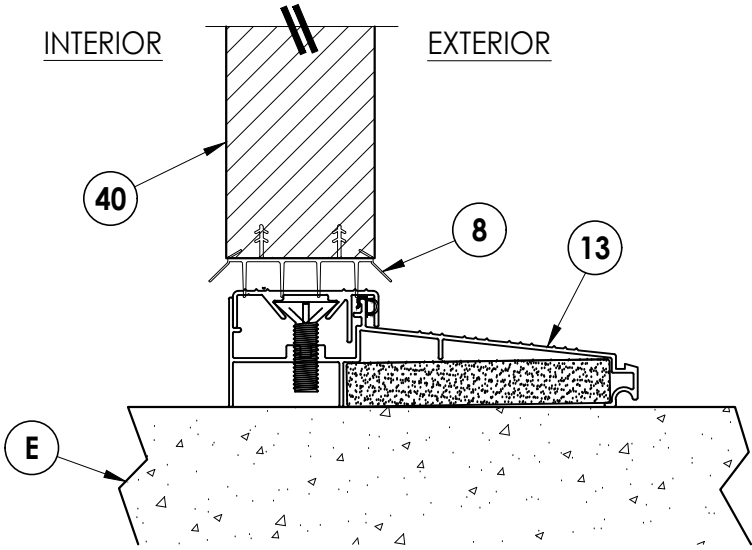


PRODUCT:		TRIMLITE FIBERGLASS DOORS	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
DATE:		1	4/21/25
SCALE:		NO.	DATE
DWG. BY:		REVISIONS	BY
CHK. BY:		1	4/21/25
DRAWING NO.:		REVISIONS	BY
SHEET		FL-46830.1	BY
		5	8

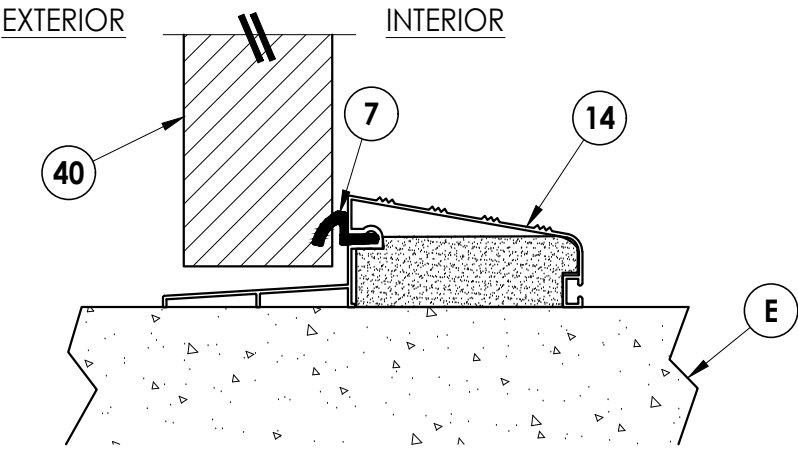
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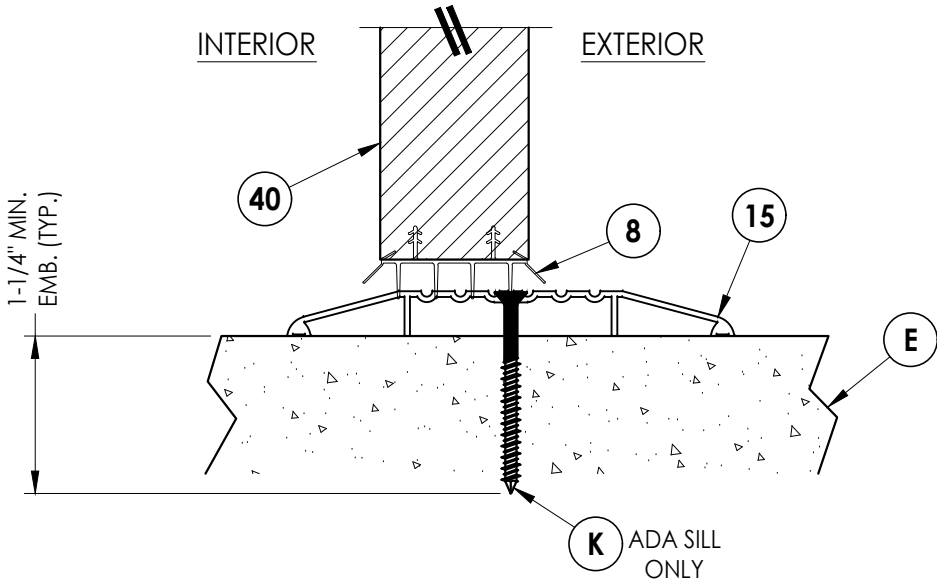
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1
6 VERTICAL CROSS SECTION
Inswing Threshold



2
6 VERTICAL CROSS SECTION
Outswing Threshold



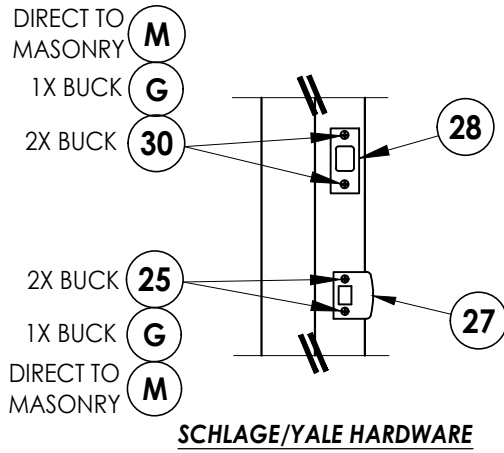
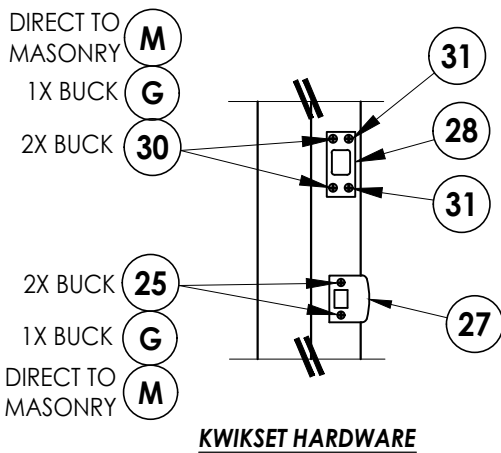
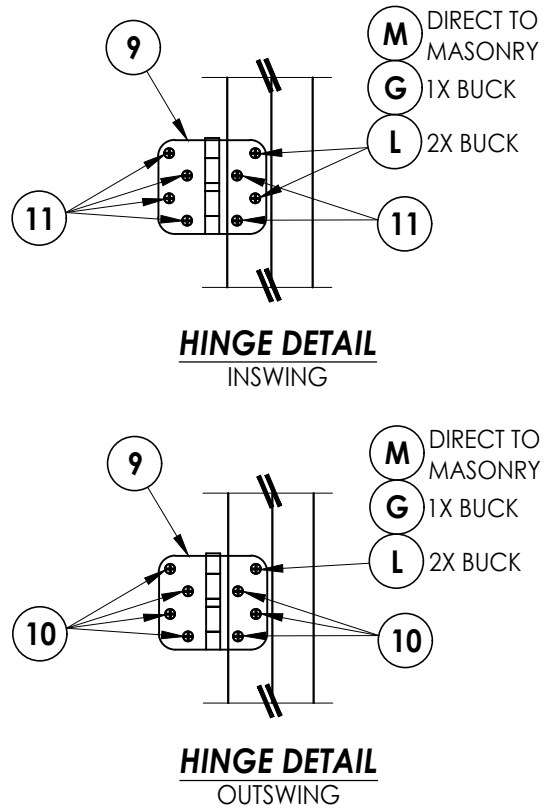
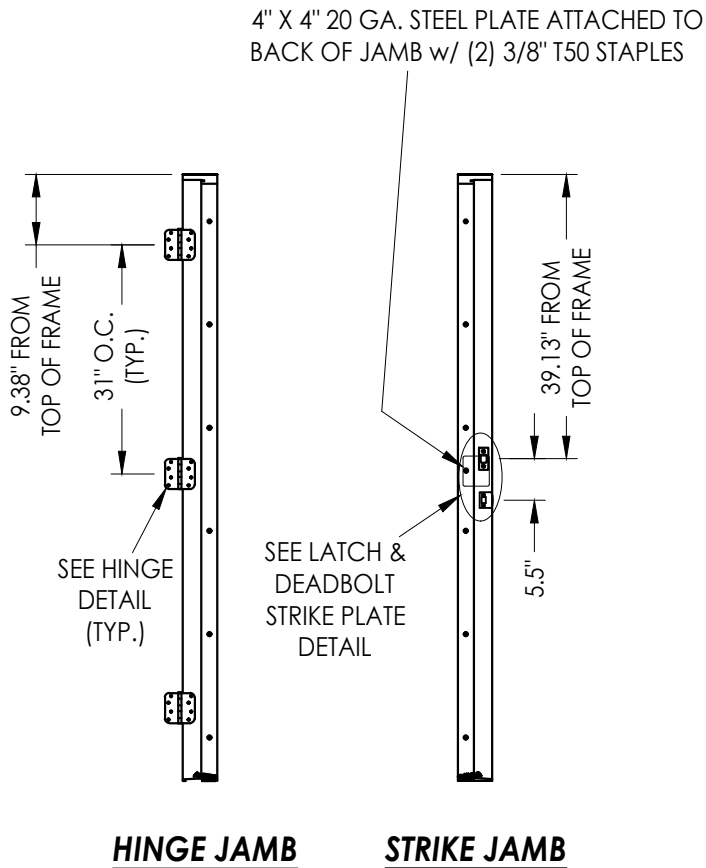
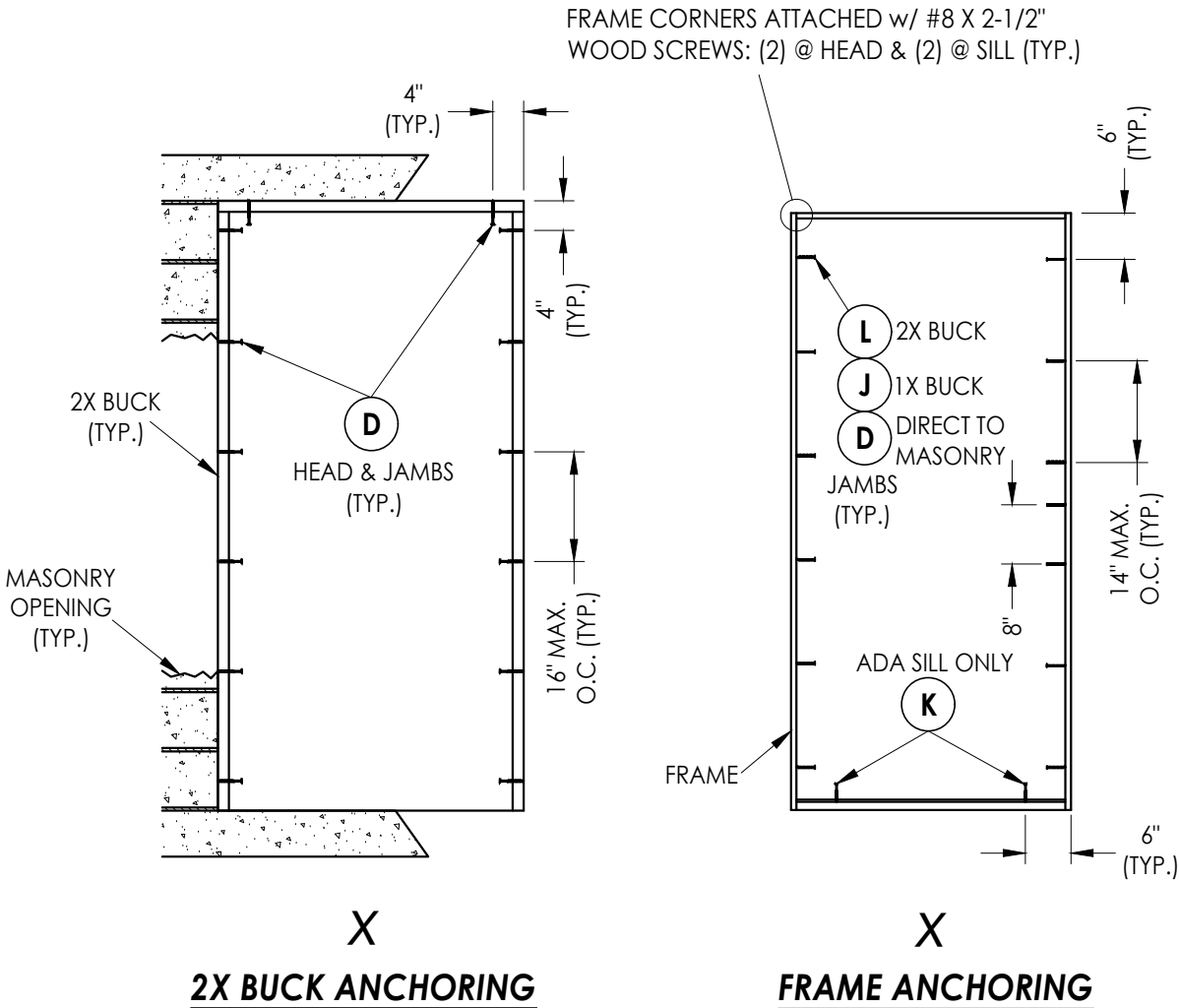
3
6 VERTICAL CROSS SECTION
ADA Threshold

Documents Prepared By:
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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:		VERTICAL CROSS SECTIONS (THRESHOLDS)	
NO.	DATE	REVISIONS	
		FOR NEW TESTING	BY
1	4/21/25	REVISE	LFS
DATE		REVISIONS	
4/02/25		DATE	
N.T.S.		SCALE	
RW		DWG. BY	
LFS		CHK. BY	
FL-46830.1		DRAWING NO.	
6 OF 8		SHEET	

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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 & HARDWARE DETAILS			
					LFS	BY	
					1	4/21/25	REVISE FOR NEW TESTING
					NO.	DATE	REVISIONS
DATE: 4/02/25							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-46830.1							
SHEET 7 OF 8							

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	-

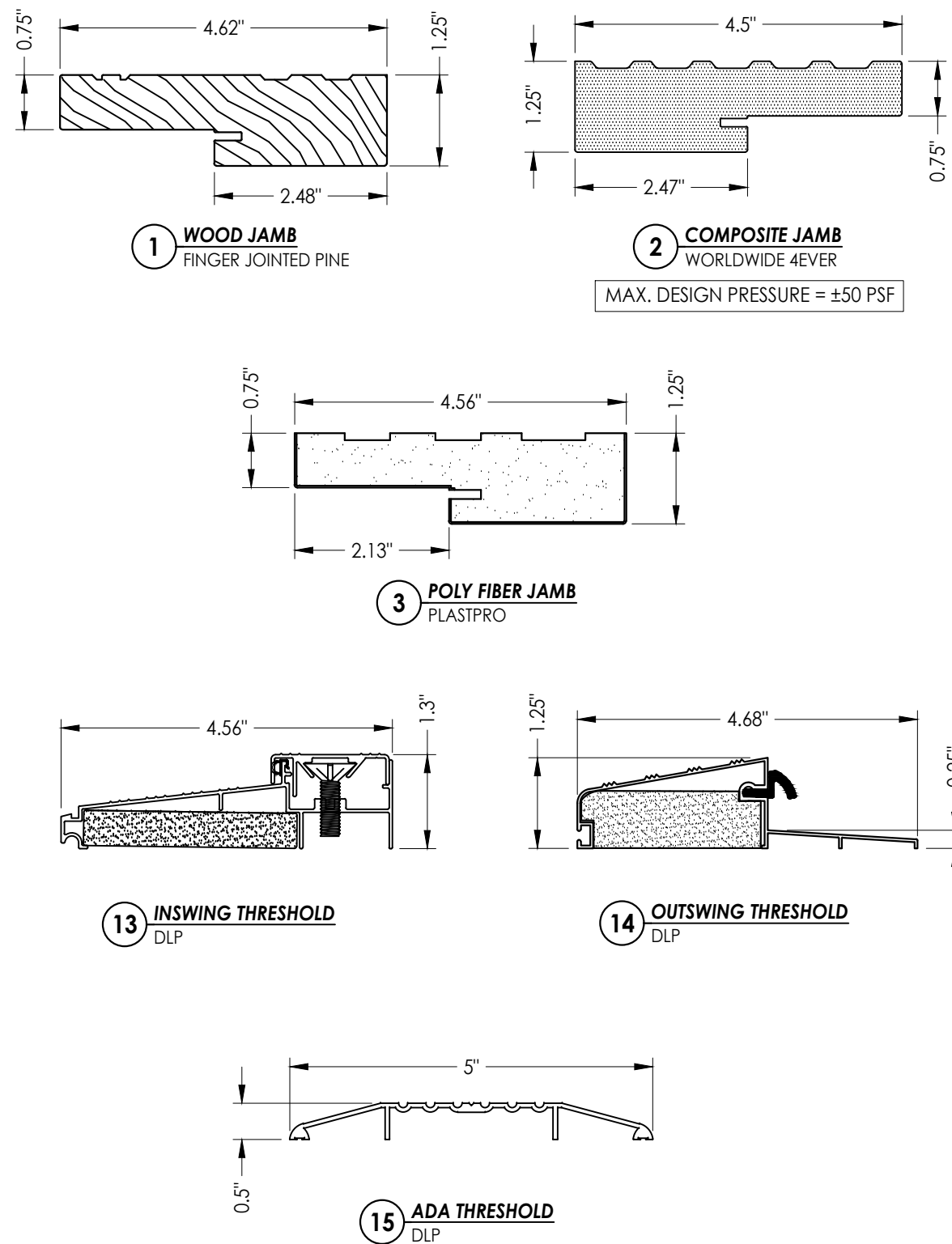
CONCRETE ANCHOR NOTES:

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.



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

**TRIMLITE
FIBERGLASS DOORS**

FOR ASSEMBLY:
**BILL OF MATERIALS
& COMPONENTS**

[illegible]

DATE: 4/02/25

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: *LFS*

DRAWING NO.:

FL-46830.1

SHEET 8 OF 8