

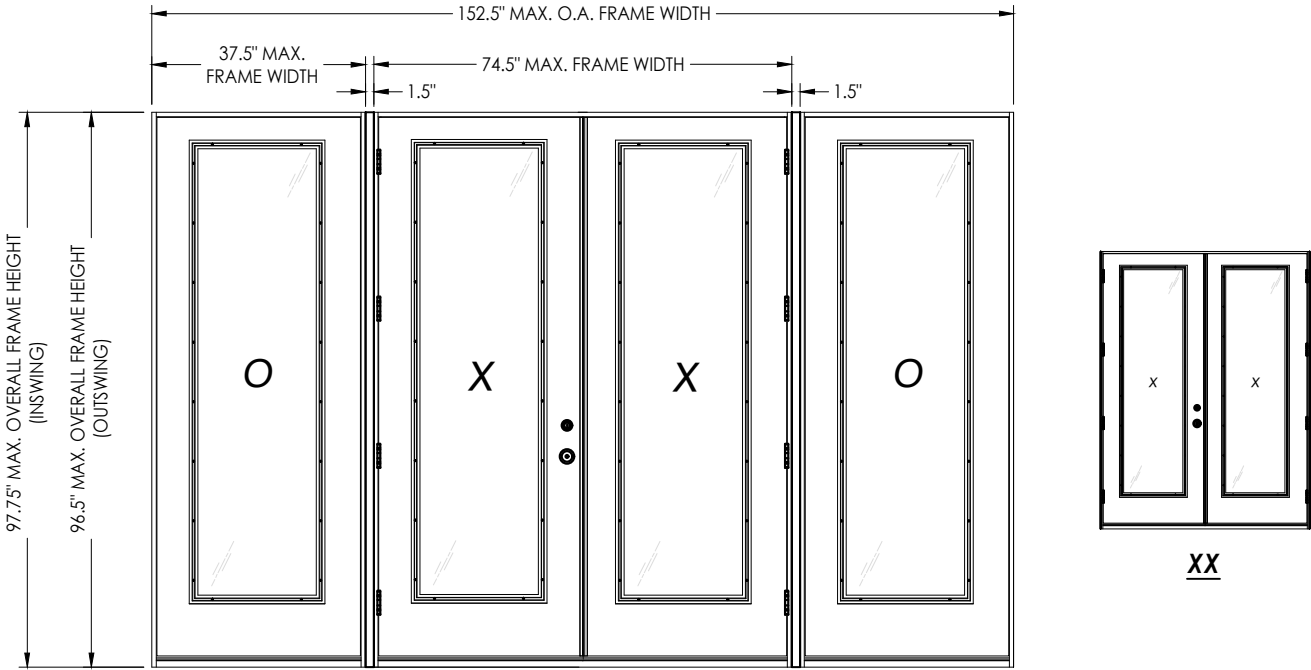
TRIMLITE

GLAZED FIBERGLASS ENTRY DOORS
DOUBLE w/ or w/out SIDELITES
INSWING/OUTSWING
"IMPACT"

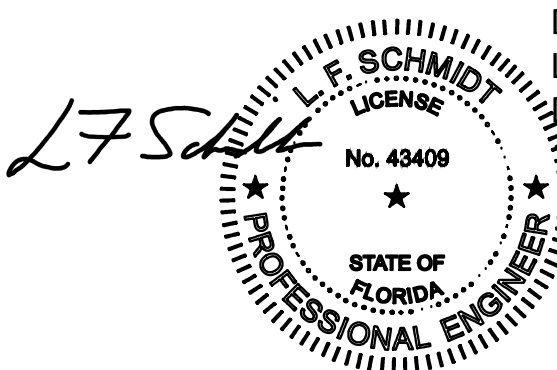
GENERAL NOTES

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 E 1996 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	SHEET #			
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal & Vertical Cross Sections (1X Buck)		
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3	Sidelite Panel Details	10	Vertical Cross Sections (Thresholds)		
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6	Horizontal Cross Sections	13	Bill of Materials & Components		
7	Horizontal & Vertical Cross Sections (2X Buck)				



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 98.0"	+50.0	-50.0	+50.0	-50.0
OXXO	148.5" x 98.0"	+50.0	-50.0	+50.0	-50.0



Digitally signed by
Lyndon F Schmidt
Date: 2025.06.17
16:35:09 -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 DOOR

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

REVISENS

NO. DATE BY

DATE: 5/12/25

SCALE: N.T.S.

DWG. BY: LFS

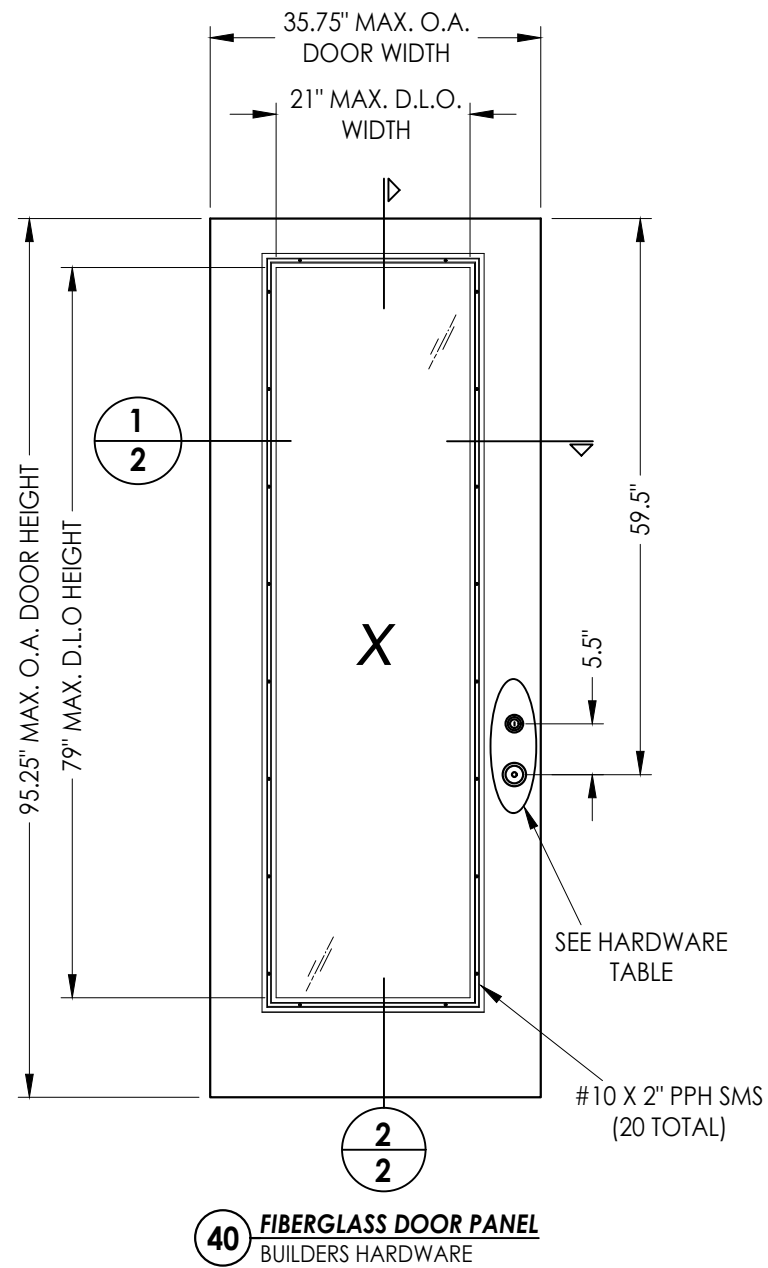
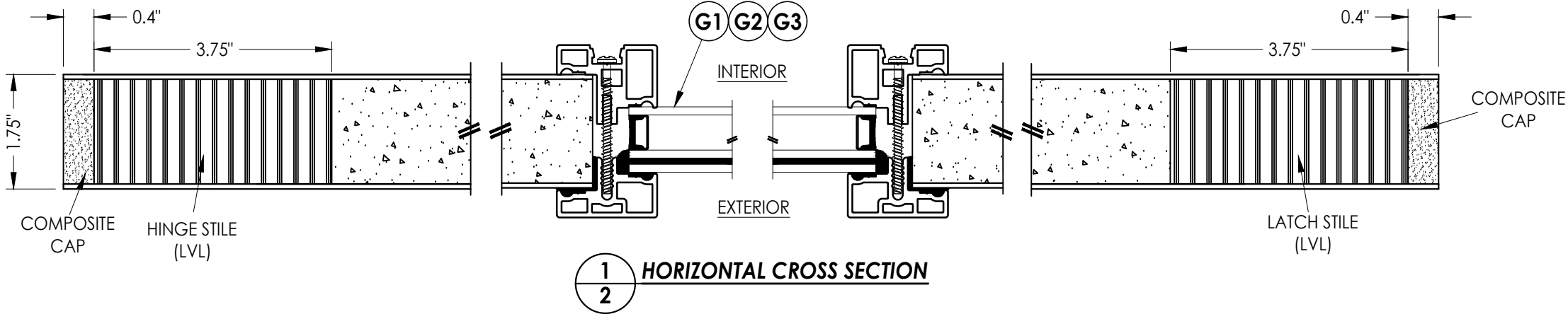
CHK. BY: RW

DRAWING NO.: FL-46830.12

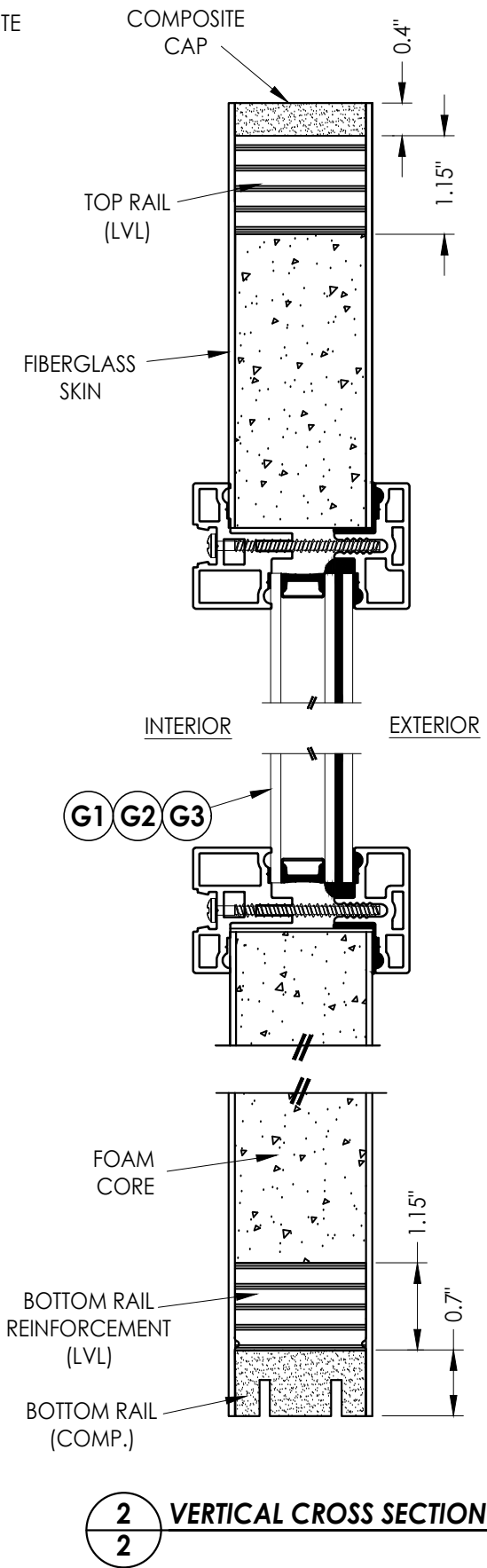
SHEET 1 OF 13

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



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. 0.090" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

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

PRODUCT:	TRIMLITE FIBERGLASS DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS
REVISIONS	
NO.	DATE
BY	

DATE: 5/12/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46830.12

SHEET 2 OF 13

Z:\2023 FBC Drawings\Trimlite\FL-46830\FL-46830.12.dwg

The technical drawings illustrate the construction of the composite cap and hinge stile assembly. The left drawing is a side elevation showing a cross-section of the assembly. It features a central core of vertical LVL (Laminated Veneer Lumber) strips, which are flanked by a composite cap on the left and a hinge stile (LVL) on the right. The total width of the assembly is 3.75 inches, and the height is 1.75 inches. The composite cap is 0.4 inches thick. The right drawing is a cross-section of the hinge stile, showing the internal LVL structure and the hinge mechanism. The hinge is labeled with G1, G2, and G3, indicating the hinge stile (LVL) and the interior and exterior surfaces. The interior and exterior surfaces are labeled as INTERIOR and EXTERIOR, respectively.

COMPOSITE CAP

TOP RAIL (LVL)

FIBERGLASS SKIN

0.4"

1.15"

INTERIOR

EXTERIOR

G1 G2 G3

FOAM CORE

BOTTOM RAIL REINFORCEMENT (LVL)

BOTTOM RAIL (COMP.)

1.15"

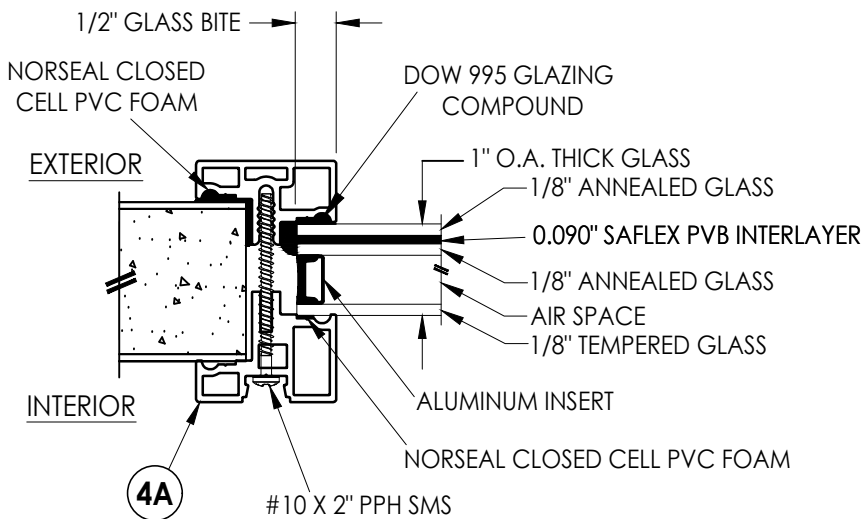
0.7"

[illegible]

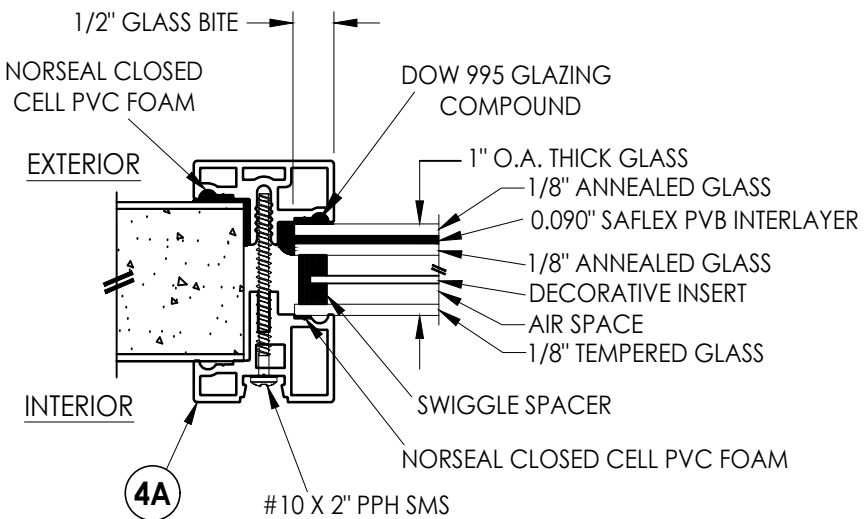
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
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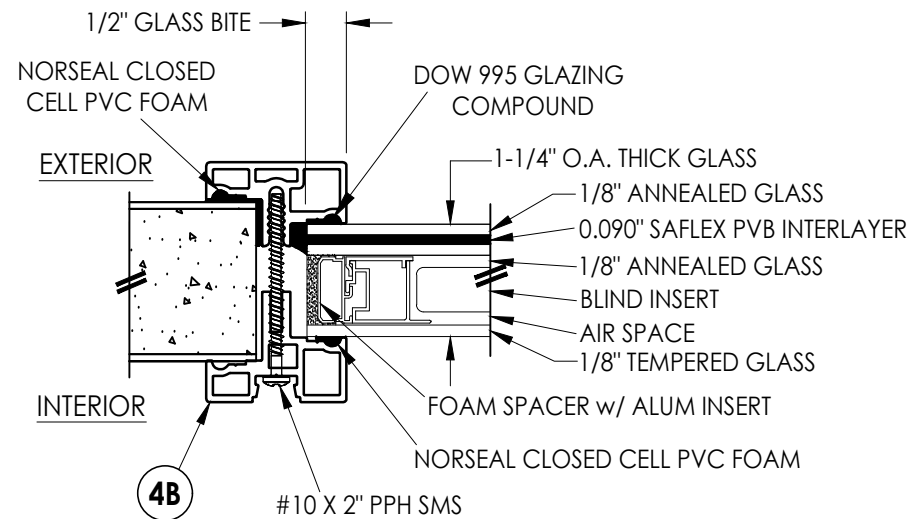
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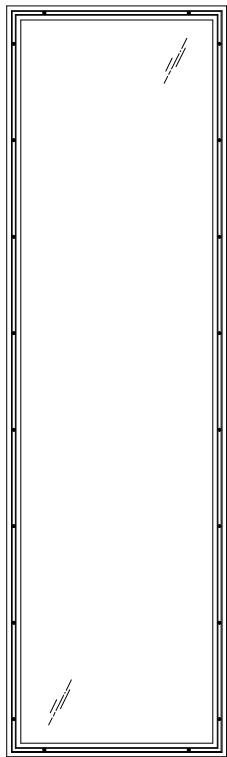
G1 GLAZING DETAIL
CLEAR GLASS



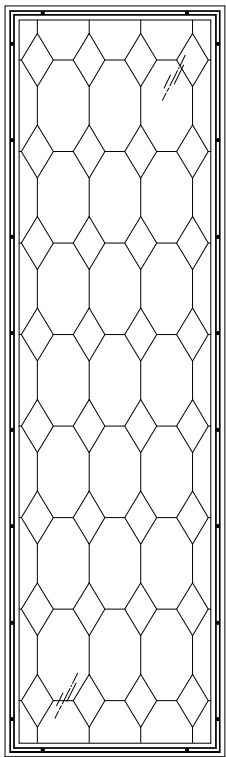
G2 GLAZING DETAIL
DECORATIVE GLASS



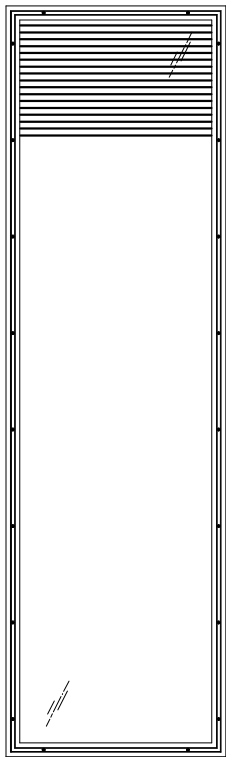
G3 GLAZING DETAIL
BLINDS BETWEEN GLASS



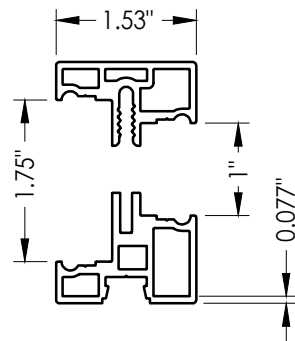
G1 GLAZING DETAIL
CLEAR GLASS



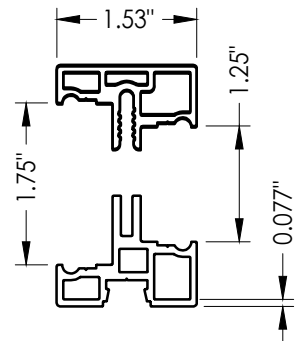
G2 GLAZING DETAIL
DECORATIVE GLASS



G3 GLAZING DETAIL
BLINDS BETWEEN GLASS



4A TRIMLITE "STORM SERIES"
IMPACT ALUMINUM LITE FRAME
1" GLAZING



4B TRIMLITE "STORM SERIES"
IMPACT ALUMINUM LITE FRAME
1-1/4" GLAZING

Documents Prepared By:
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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:
LITE FRAME
& GLAZING DETAILS

DATE: 6/18/24

SCALE: N.T.S.

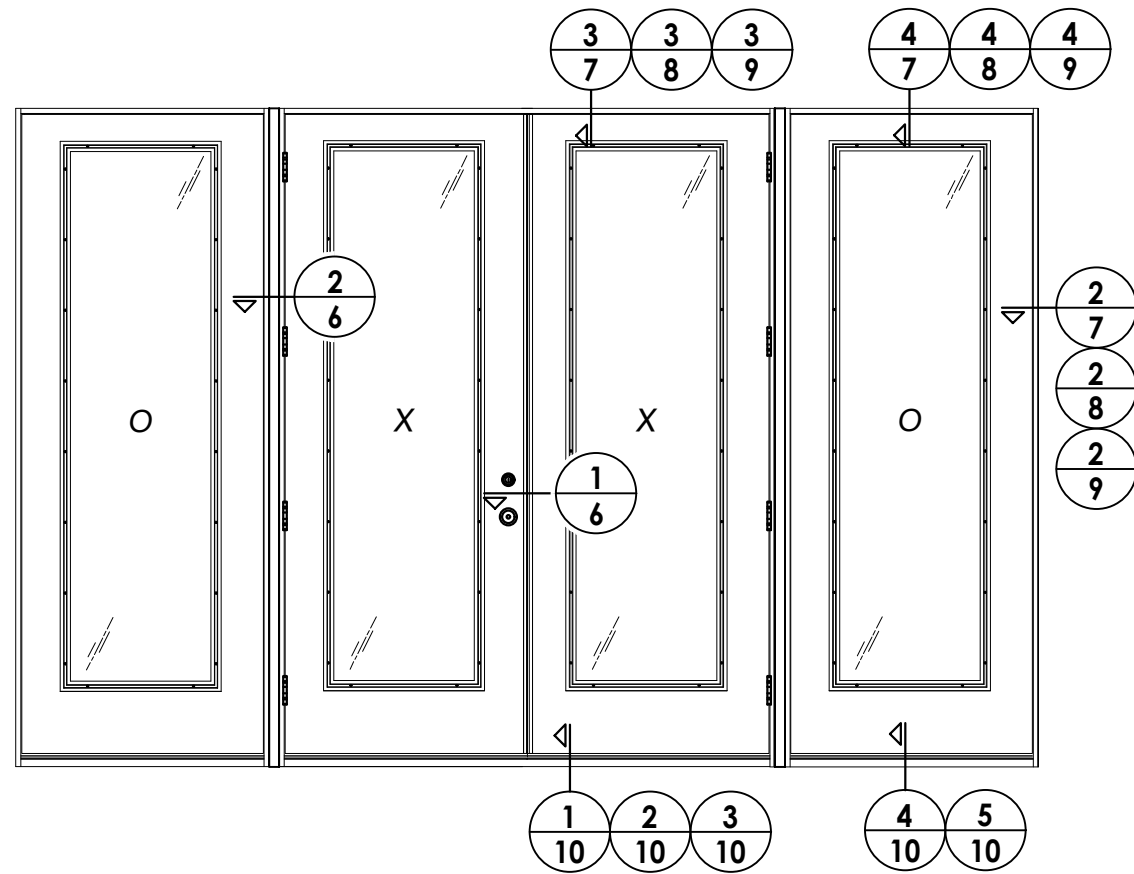
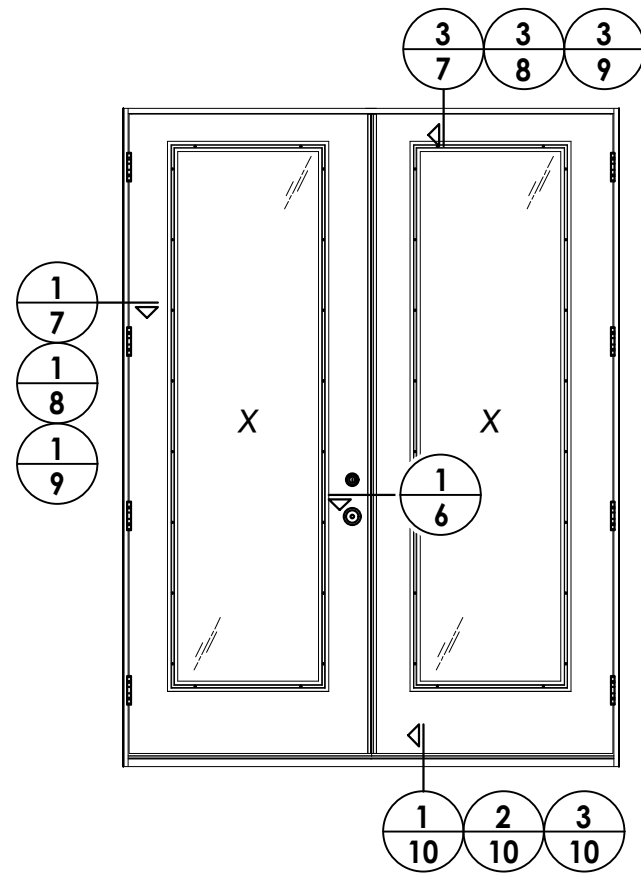
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-46830.12

SHEET 4 OF 13

REVISIONS



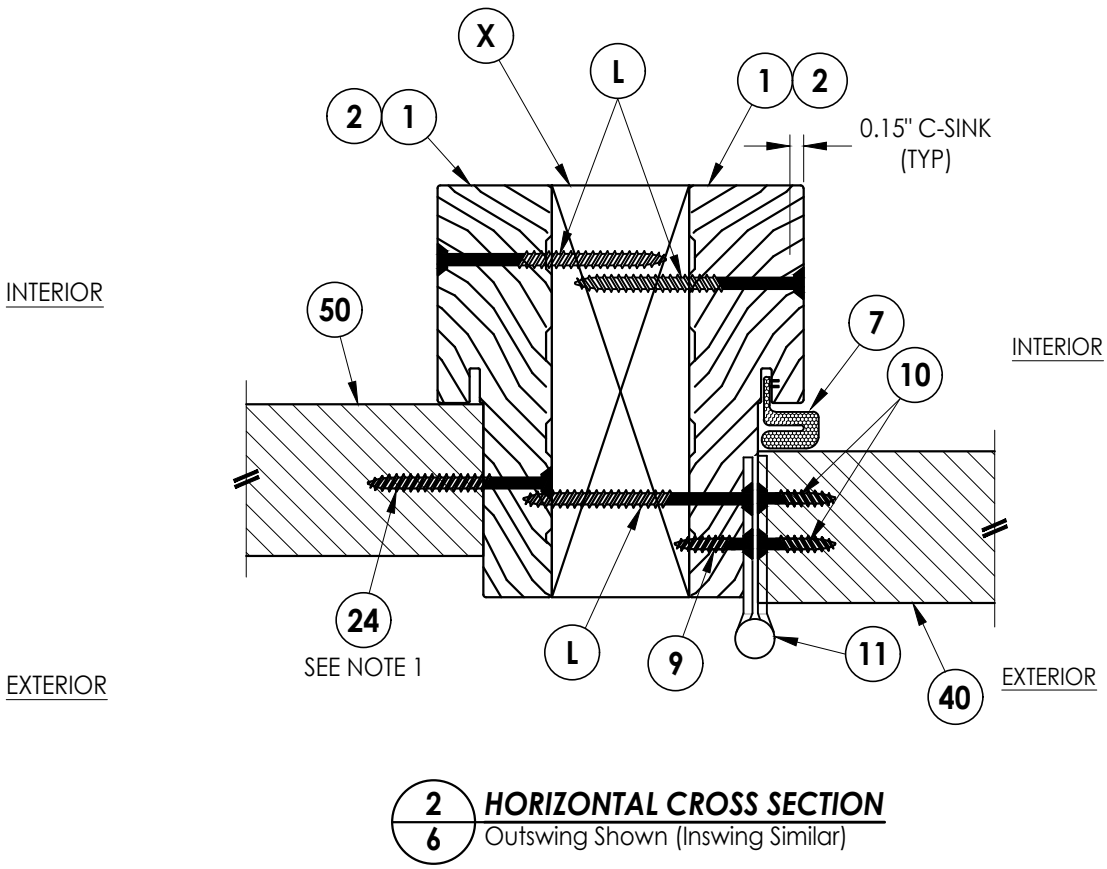
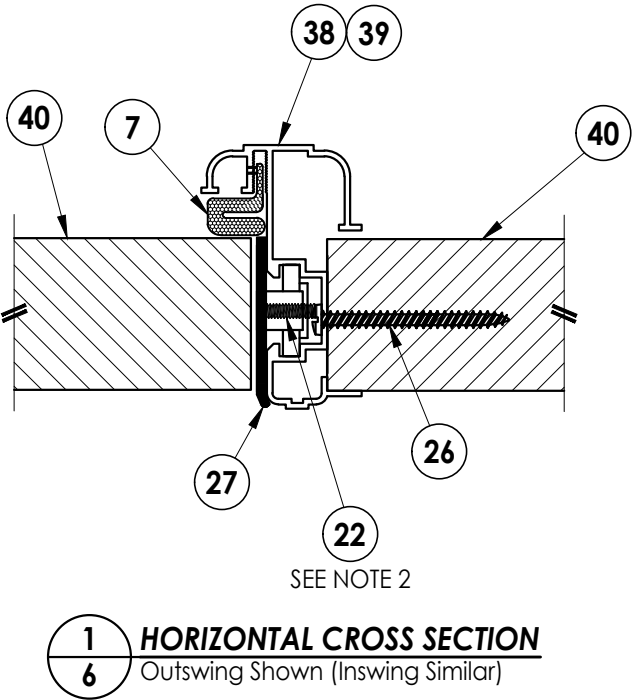
DATE:	5/12/25
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46830.12
SHEET	5 OF 13

[illegible]

PRODUCT:	TRIMLITE FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

Documents Prepared By:
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FBPE Registry No. 9813

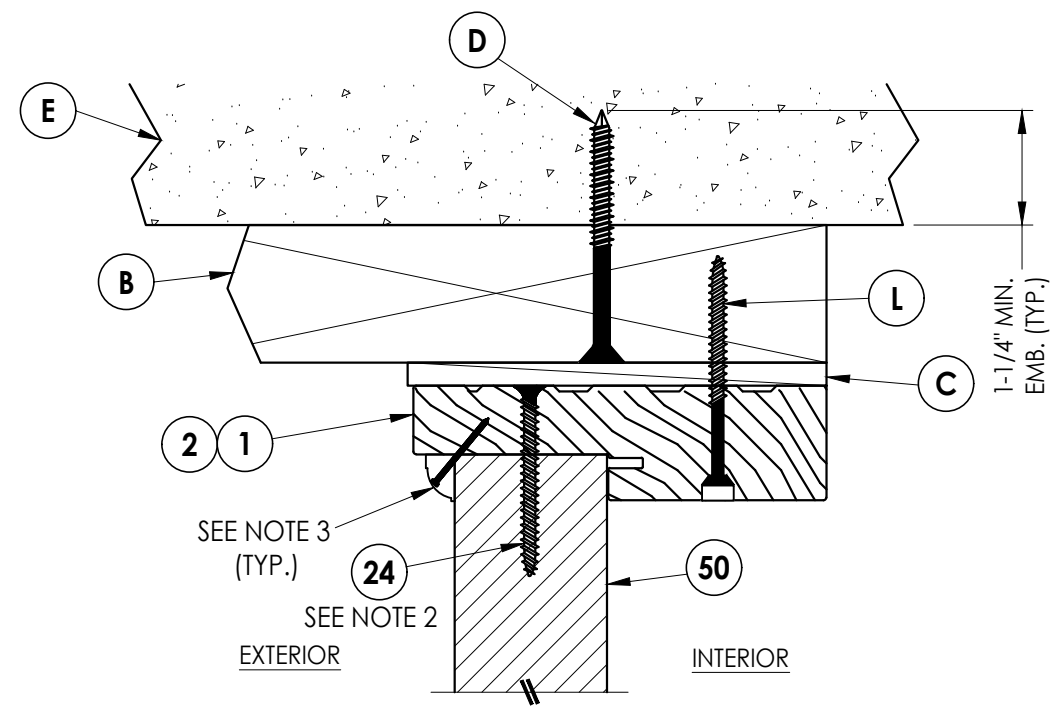
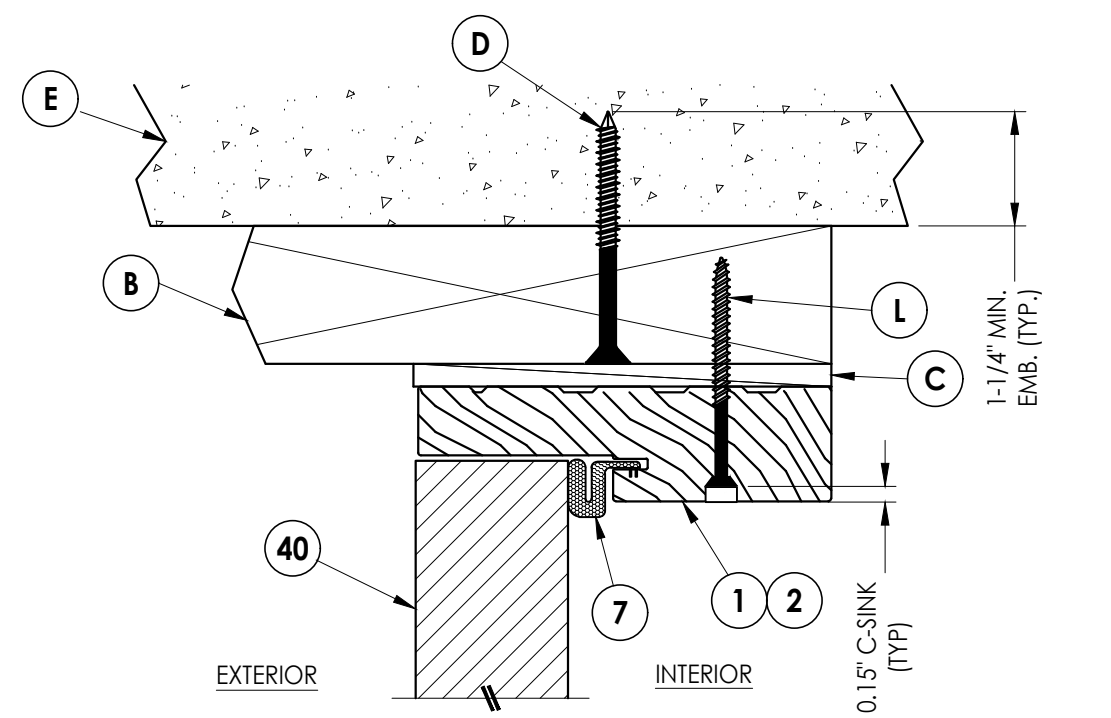
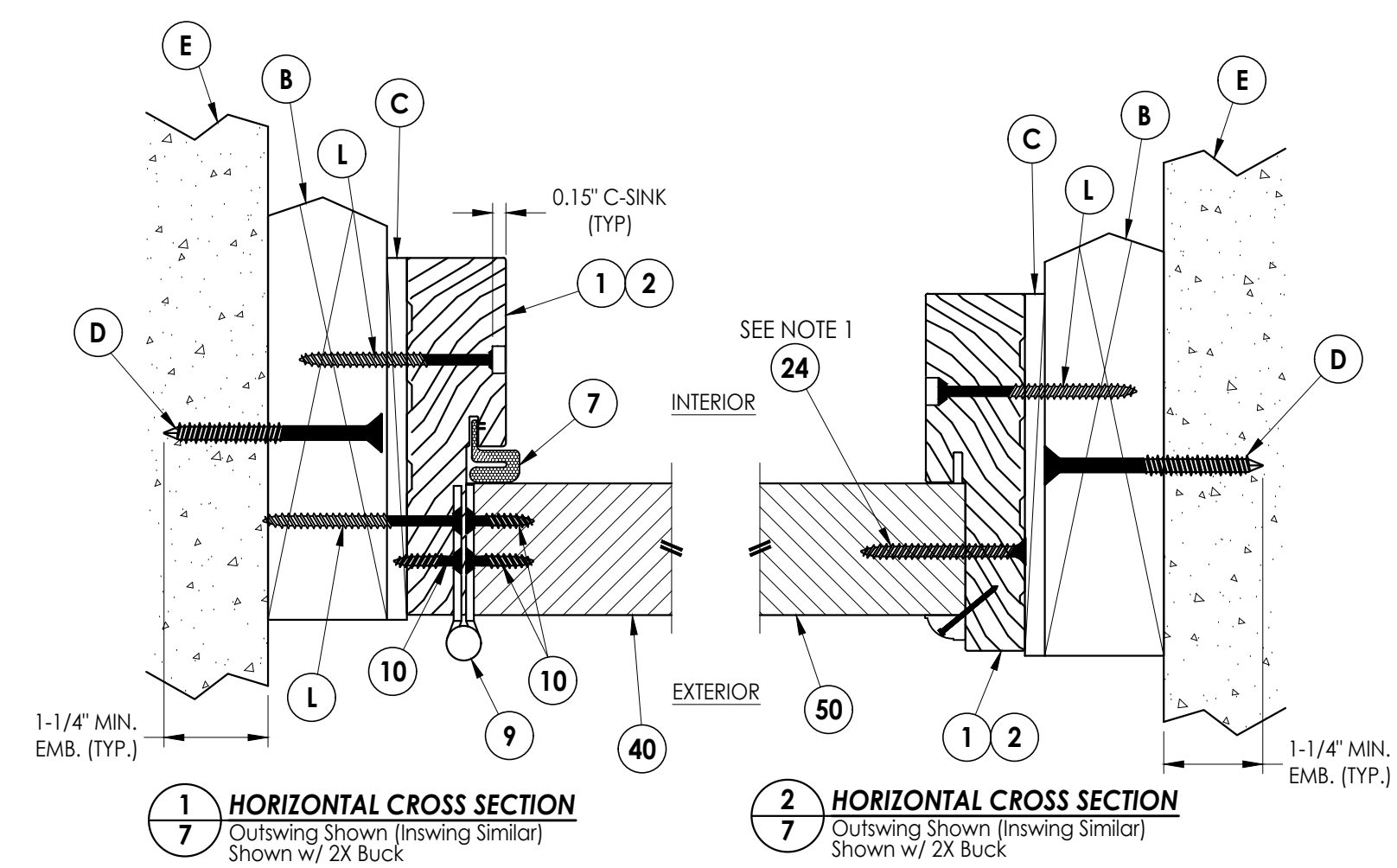


Notes:

1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
2. Latch & deadbolt strike plate machine screws installed through strike plate into astragal plastic receiver.
3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

[illegible]

- Notes:
1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
 2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
 3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

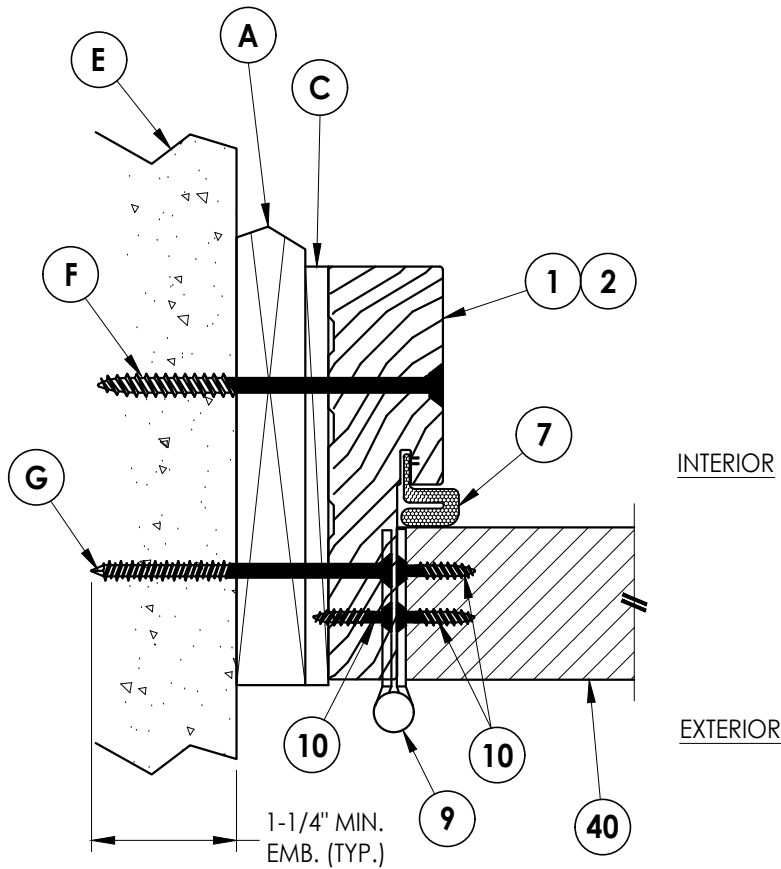


PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	

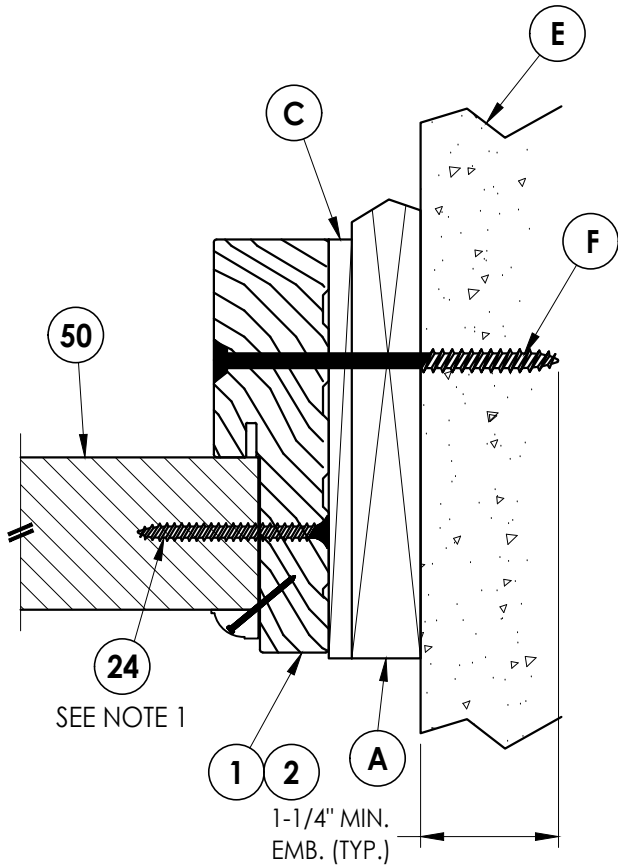
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Notes:

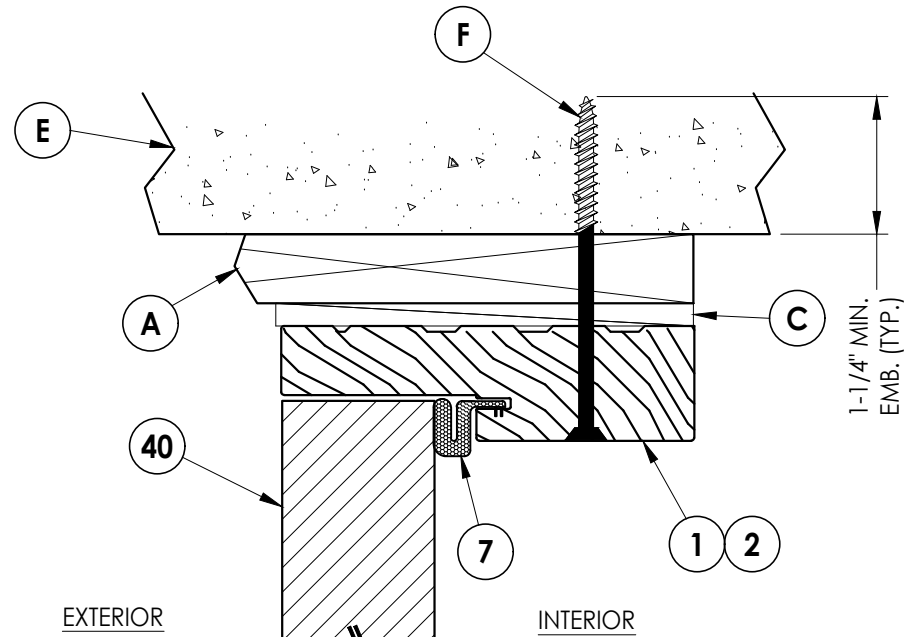
1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



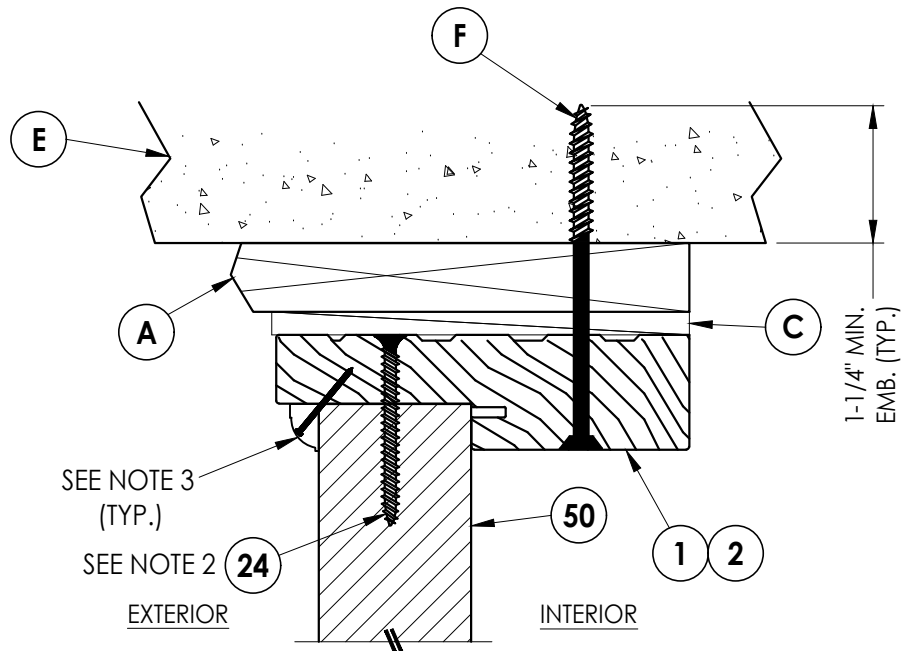
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



2
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



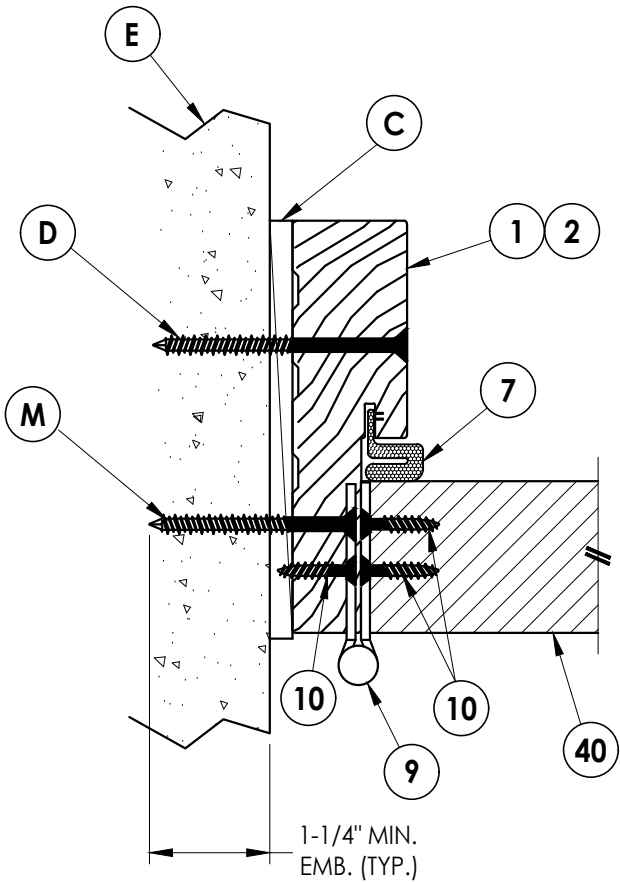
3
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



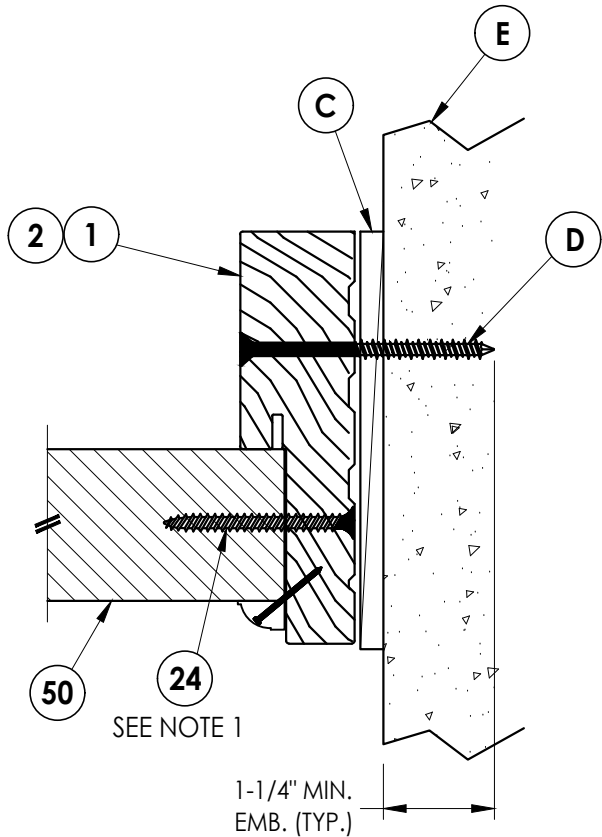
4
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

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PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
		NO.	DATE
		BY	
REVISIONS			
DATE: 5/12/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.12			
SHEET 8 OF 13			

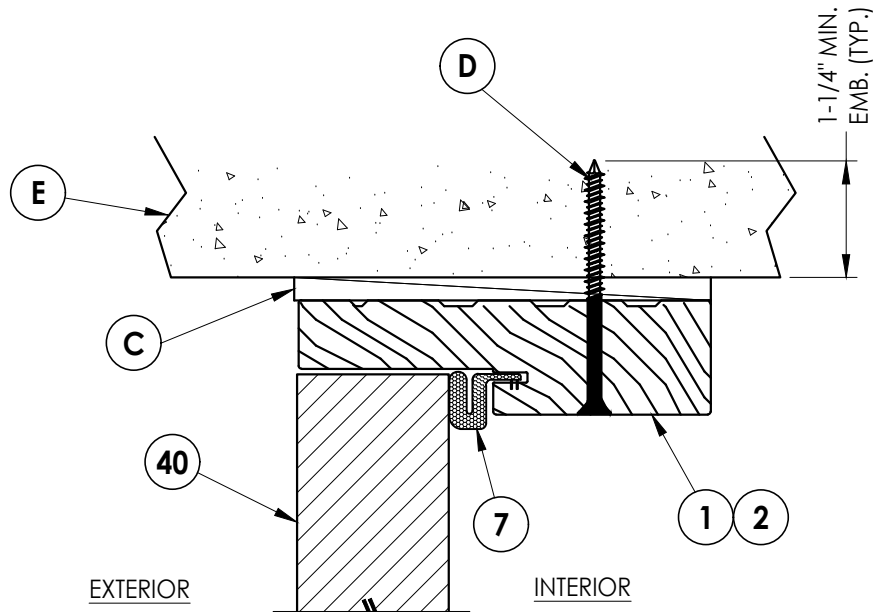
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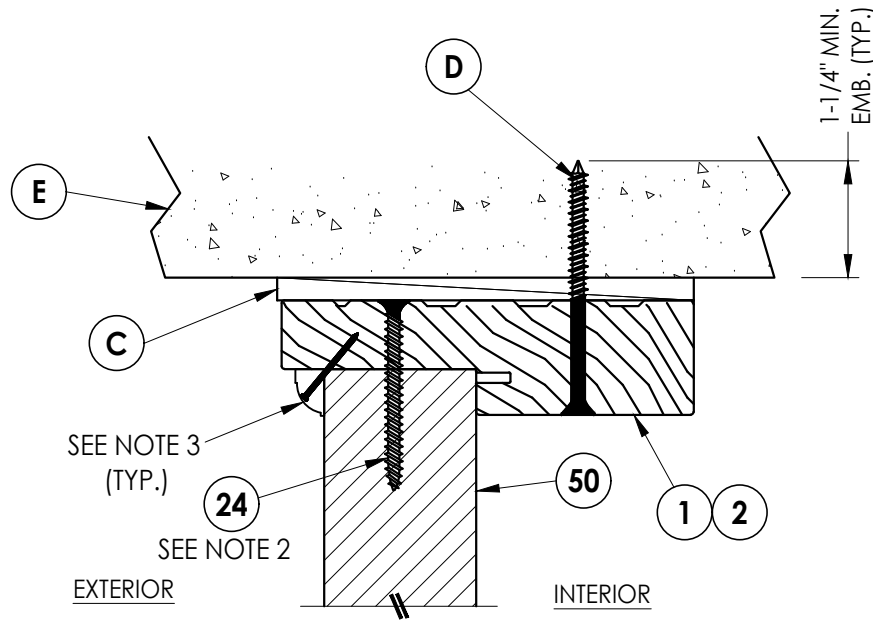
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



2
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



3
9 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



4
9 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

Notes:

1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS	BY

DATE: 5/12/25

SCALE: N.T.S.

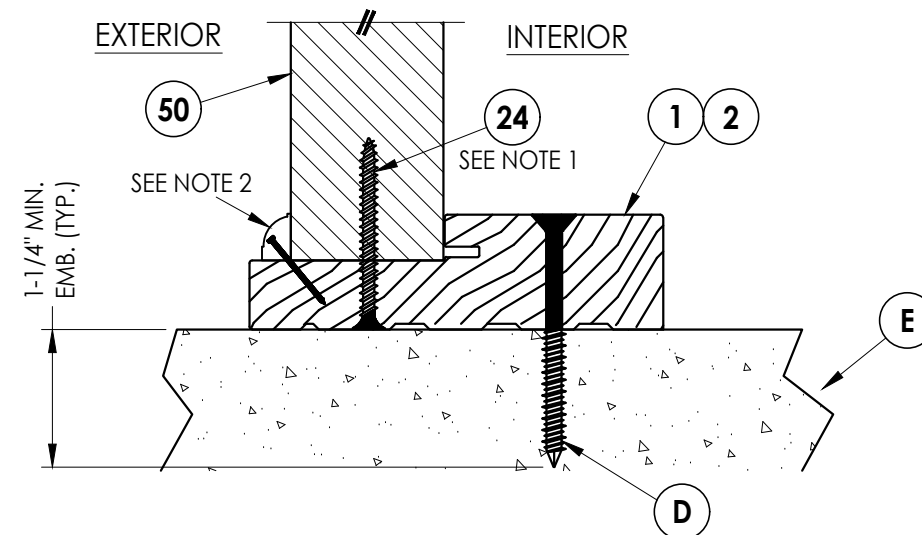
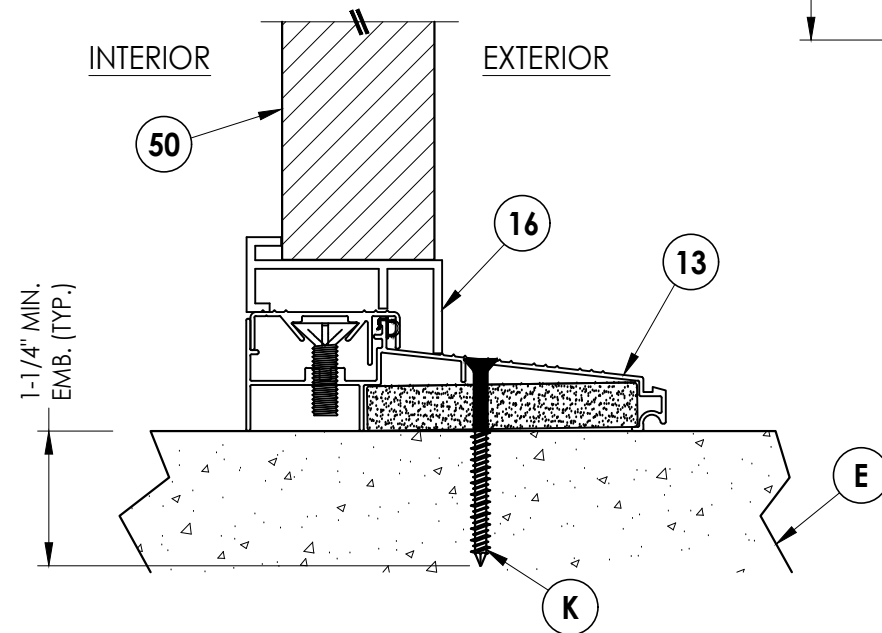
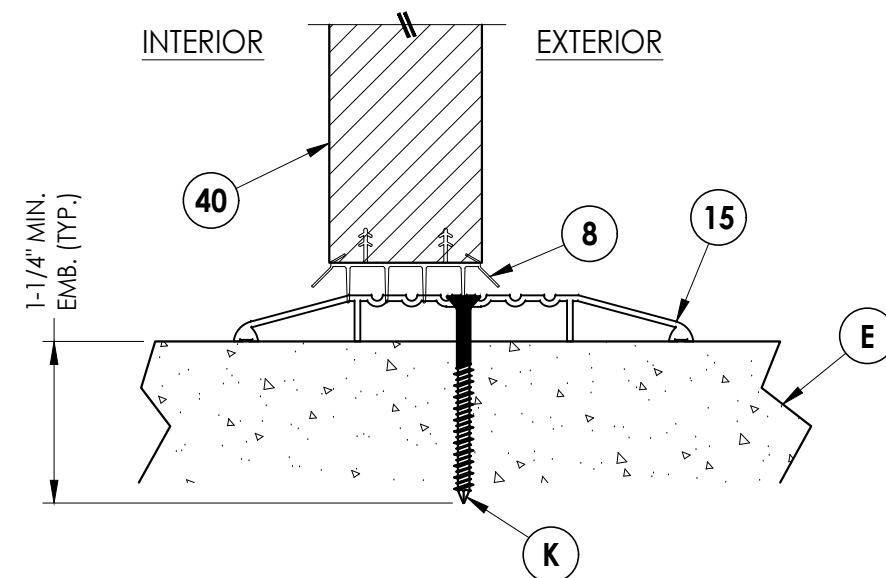
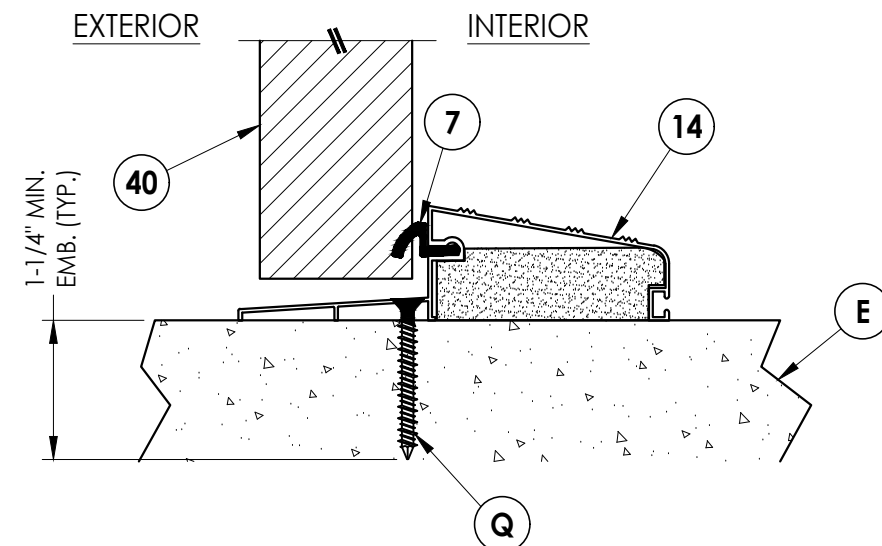
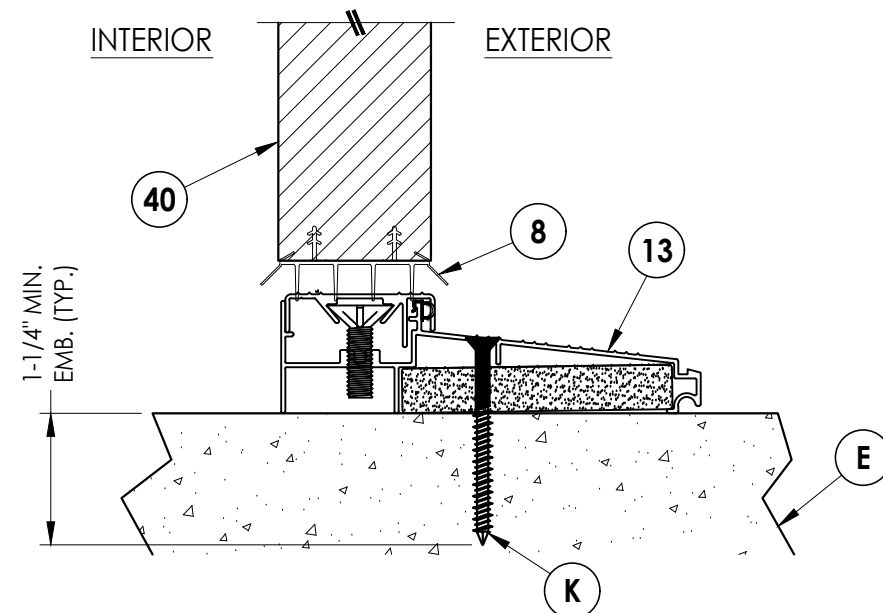
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46830.12

SHEET 9 OF 13



Notes:

1. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along sill).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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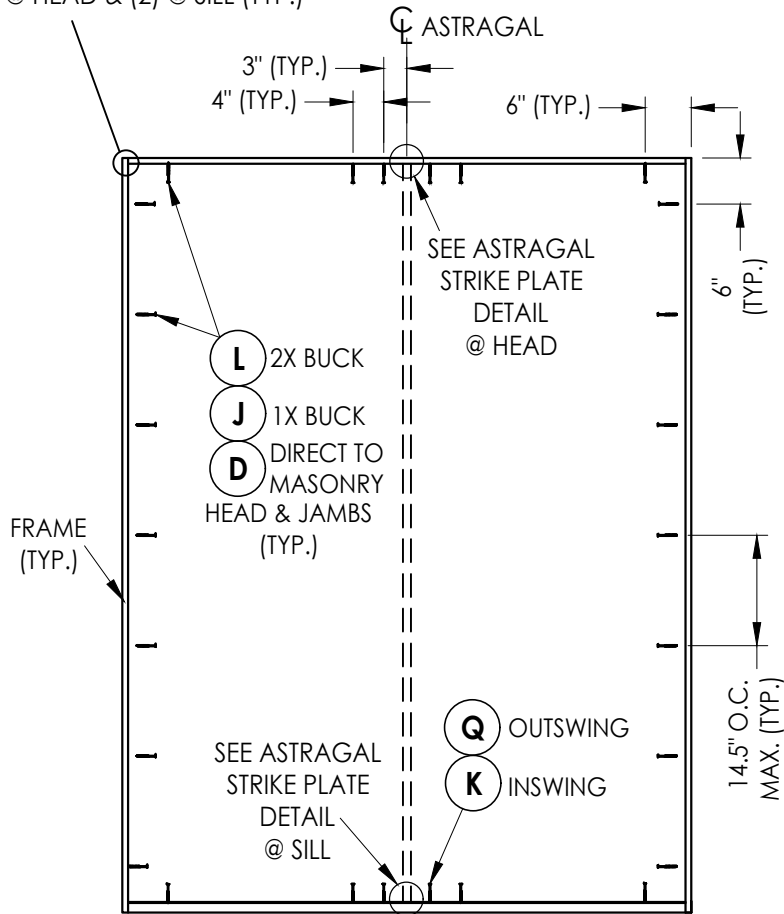
DATE: 5/12/25		REVISIONS NO. DATE BY	
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.12			
SHEET 10 OF 13			

Technical drawing of a window frame assembly, showing cross-sections and dimensions. The drawing includes the following details:

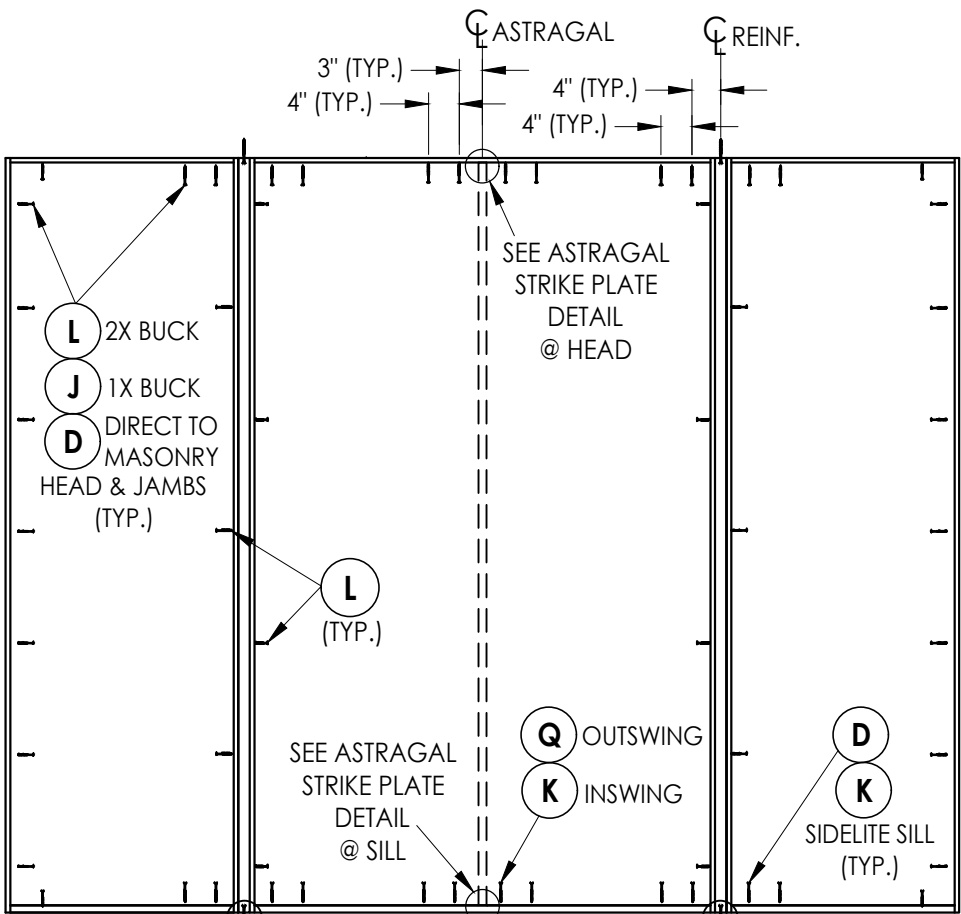
- Top Section:**
 - REINF.** (Reinforcement) with dimensions: 2" (TYP.) and 4" (TYP.).
 - ASTRAGAL** with dimensions: 2" (TYP.) and 4" (TYP.).
 - 4" (TYP.)** dimension for the top right corner.
- Left Section:**
 - HEAD & JAMBS (TYP.)** (Typical Head and Jambs) with a dimension of **4" (TYP.)**.
- Right Section:**
 - 16" O.C. MAX. (TYP)** (Typical Maximum Overlap) dimension.
- Bottom Section:**
 - OXXO** (Typical) dimension.

[illegible]

FRAME CORNERS ATTACHED w/
#7 X 2" DRYWALL SCREWS:
(2) @ HEAD & (2) @ SILL (TYP.)

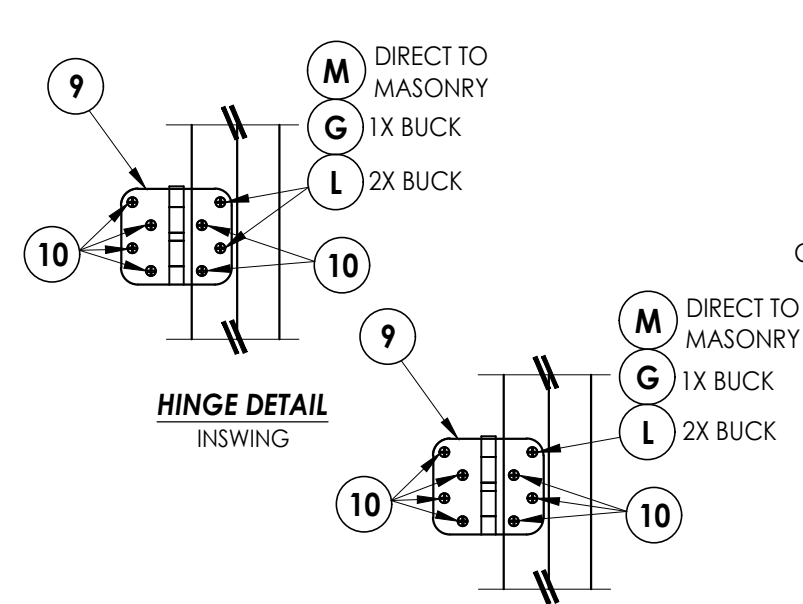


XX

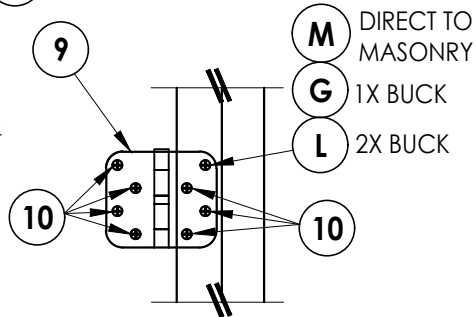


OXXO

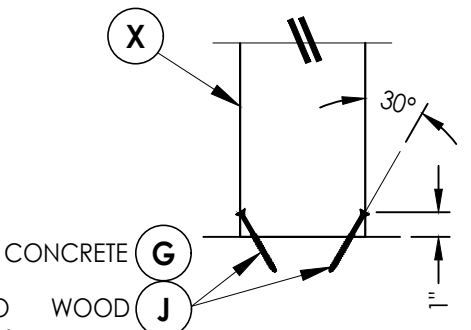
FRAME ANCHORING



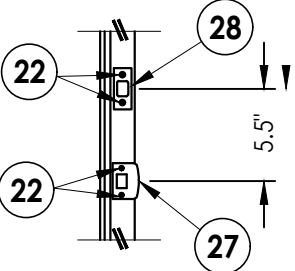
HINGE DETAIL
INSWING



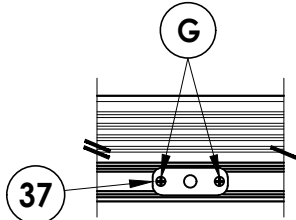
HINGE DETAIL
OUTSWING



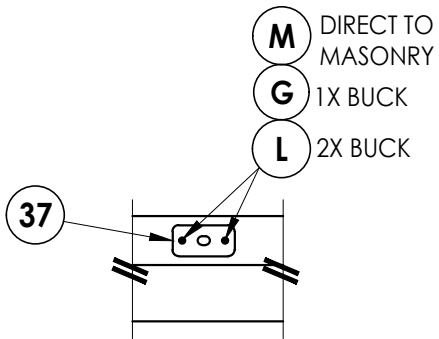
TOE-NAIL DETAIL
TYPICAL @ EACH 2X REINFORCEMENT
(SHOWN @ SILL - HEAD SIMILAR)



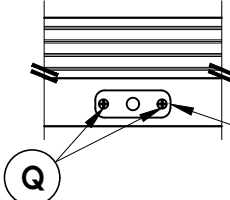
LATCH & DEADBOLT STRIKE PLATE DETAILS



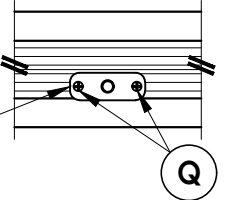
ASTRAGAL STRIKE PLATE DETAIL
INSWING THRESHOLD



ASTRAGAL STRIKE PLATE DETAIL
STRIKE PLATE @ HEAD

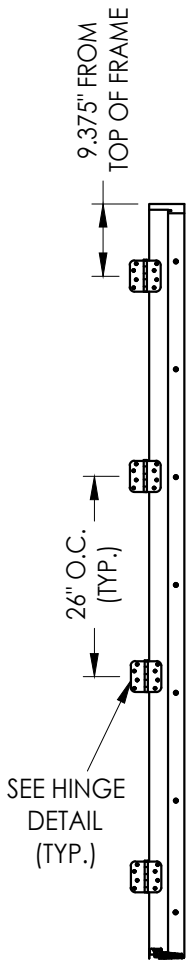


ASTRAGAL STRIKE PLATE DETAIL
OUTSWING THRESHOLD

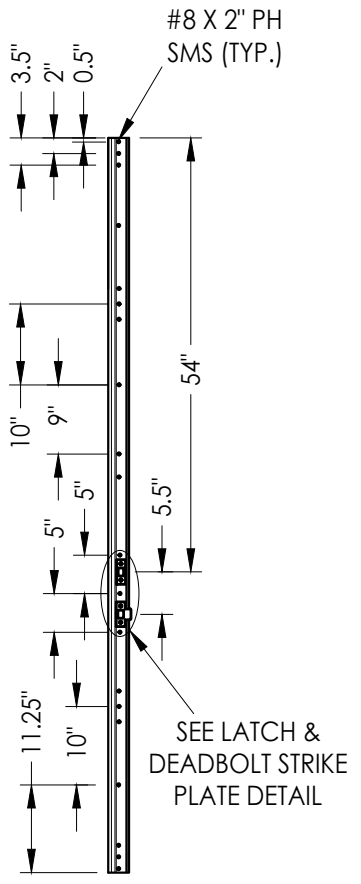


ASTRAGAL STRIKE PLATE DETAIL
ADA THRESHOLD

HARDWARE DETAILS



HINGE JAMB



ASTRAGAL

ASTRAGAL SCREWS LOCATED AS SHOWN w/
(3) LOCATED ON EACH SIDE OF LOCK &
DEADBOLT STRIKE PLATES (20 SCREWS TOTAL)

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PRODUCT:	TRIMLITE FIBERGLASS DOOR	PART OR ASSEMBLY:	FRAME ANCHORING & HARDWARE DETAILS
		NO.	DATE
		BY	
REVISIONS			
DATE: 5/12/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.12			
SHEET 12 OF 13			

Z:\2023 FBC Drawings\Trimlite\FL-46830\FL-46830.12.dwg

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
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH 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
Q	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (FINGER JOINTED PINE)	WOOD
2	COMPOSITE 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
16	INSWING SIDELITE ADAPTER	PVC
22	#8 X 5/8" FH MACHINE SCREW	STEEL
23	#8 X 2" FH SMS	STEEL
24	#8 X 2-1/2" PFH DEEP THREAD WOOD SCREW	STEEL
26	#8 X 2" PH SMS	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
37	ASTRAGAL STRIKE PLATE (1.19" X 3.25" X 0.075" THICK)	STEEL
38	ALUMINUM ASTRAGAL	ALUM
39	ALUMINUM ASTRAGAL	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-

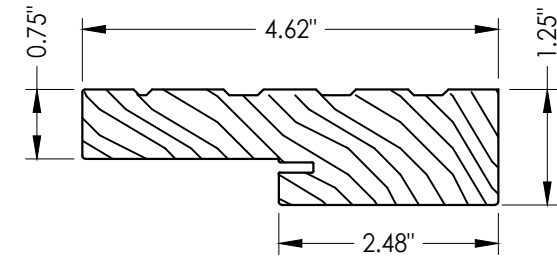
CONCRETE ANCHOR NOTES:

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

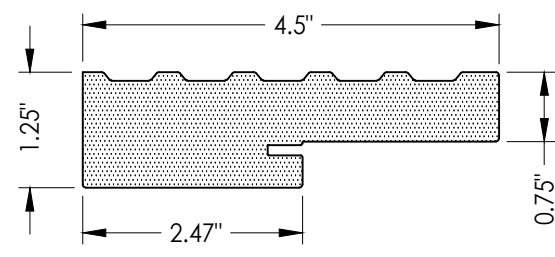
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

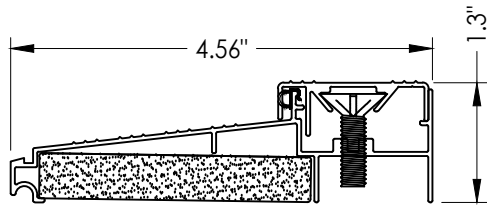
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



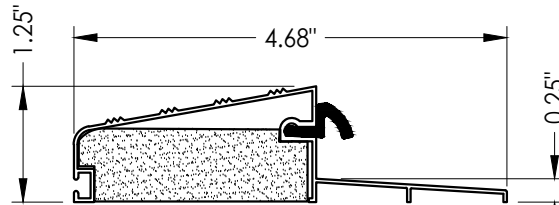
1 WOOD JAMB
FINGER JOINTED PINE



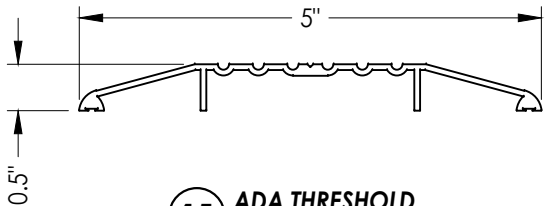
2 COMPOSITE JAMB
WORLDWIDE 4EVER



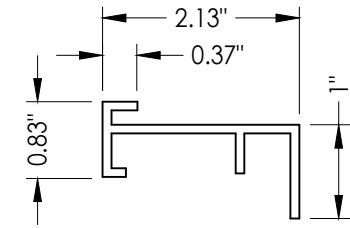
13 INSWING THRESHOLD
DLP



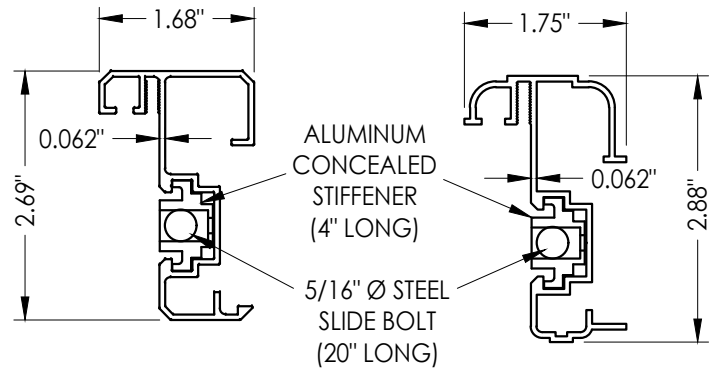
14 OUTSWING THRESHOLD
DLP



15 ADA THRESHOLD
DLP



16 INSWING SIDELITE ADAPTER



38 ALUMINUM ASTRAGAL
DLP

39 ALUMINUM ASTRAGAL
DLP

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FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 5/12/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46830.12

SHEET 13 OF 13