

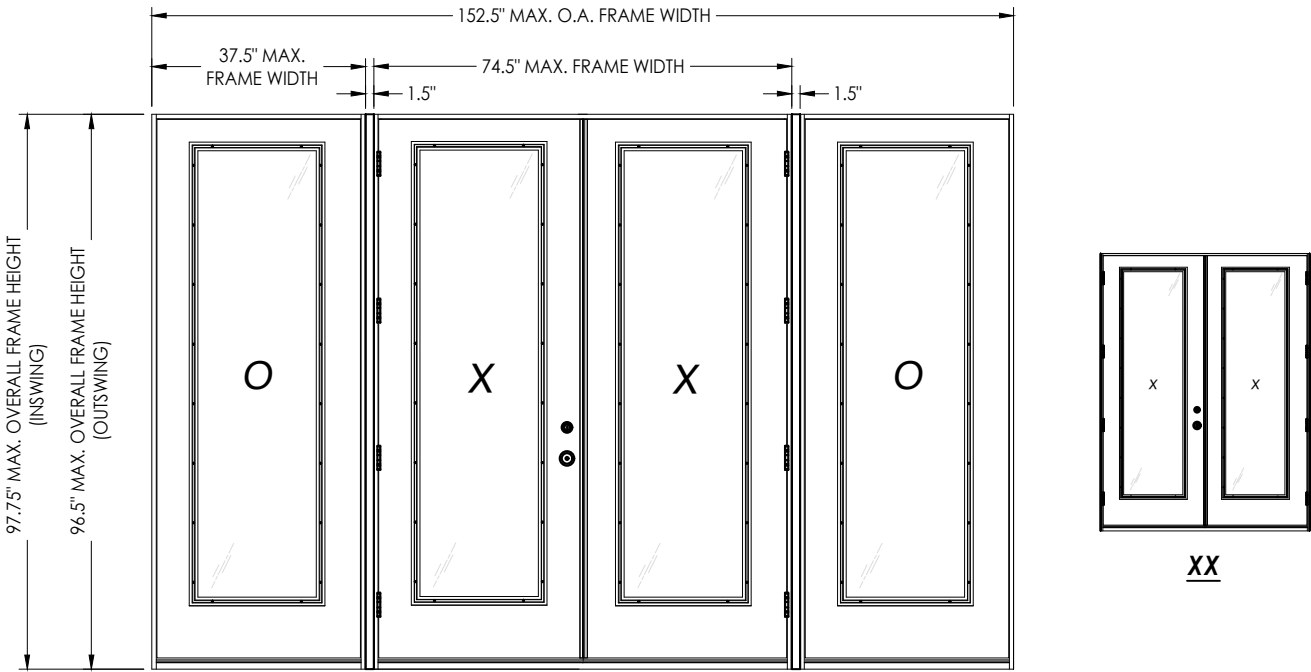
TRIMLITE

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

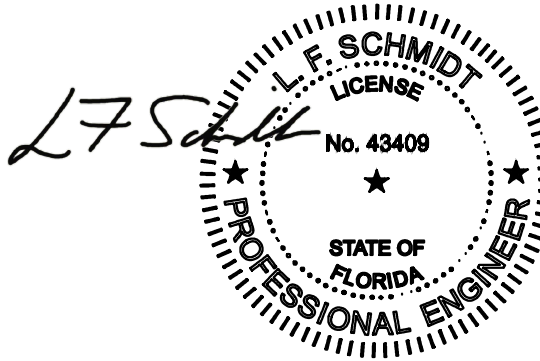
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 includes Wind Zone 3 as defined in ASTM E1996.
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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5	Elevations	12	Frame Anchoring & Hardware Details		
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: 2026.07.20
09:47:18 -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

DATE: 5/12/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46830.12

SHEET 1 OF 13

17/01/26
NO. DATE

UPDATE TO 9TH ED. (2026) FBC

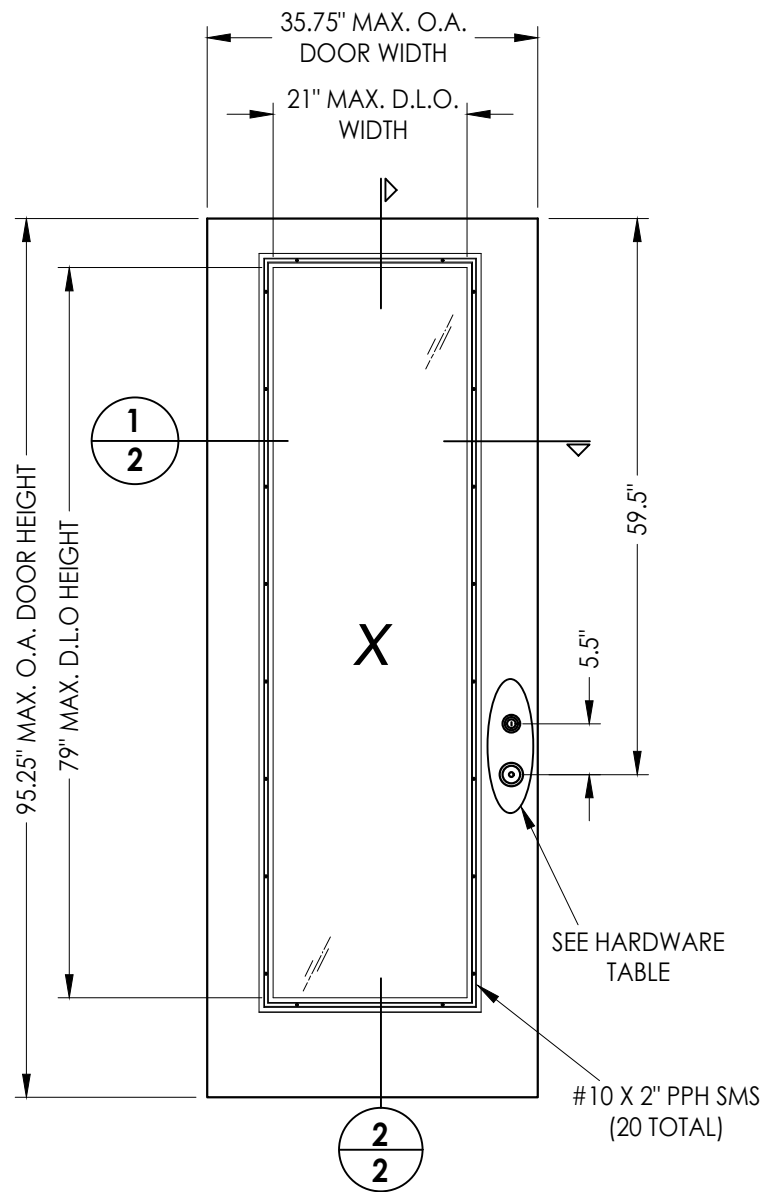
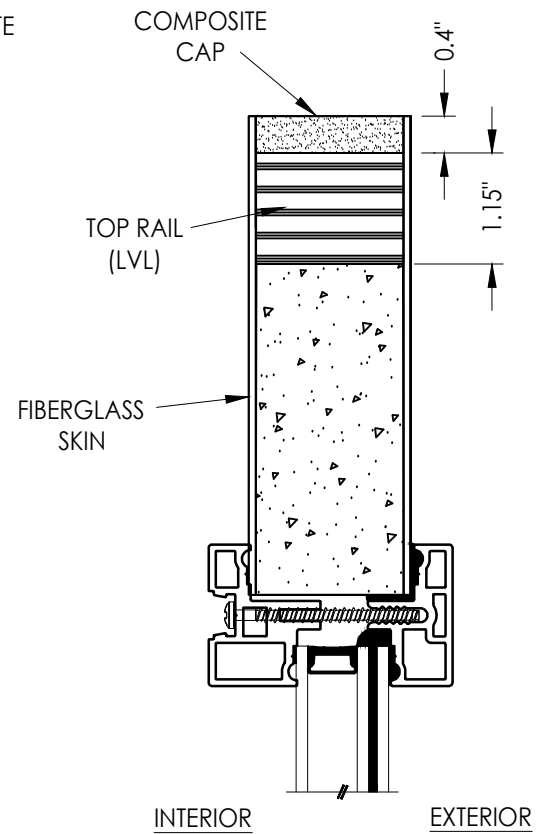
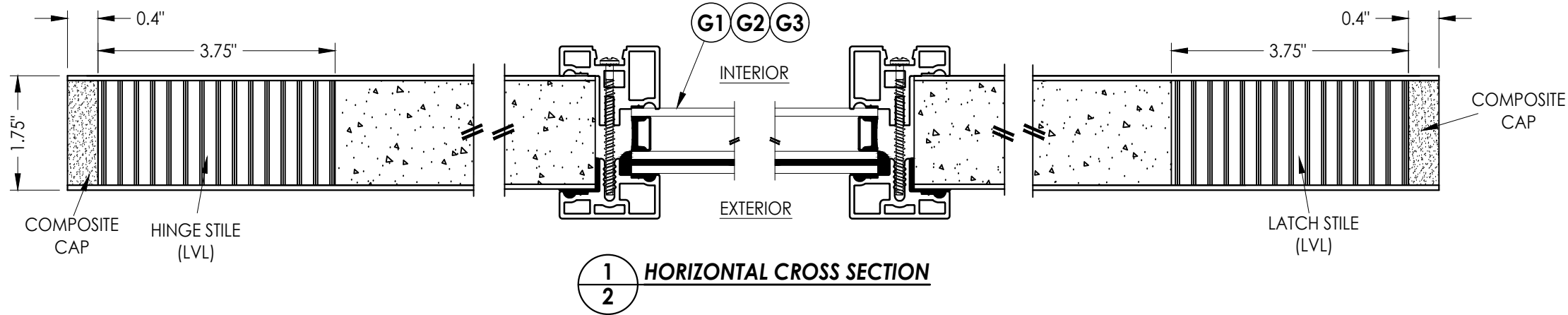
LFS
BY

REVISIONS

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

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

40 FIBERGLASS DOOR PANEL
BUILDERS HARDWARE

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

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

RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

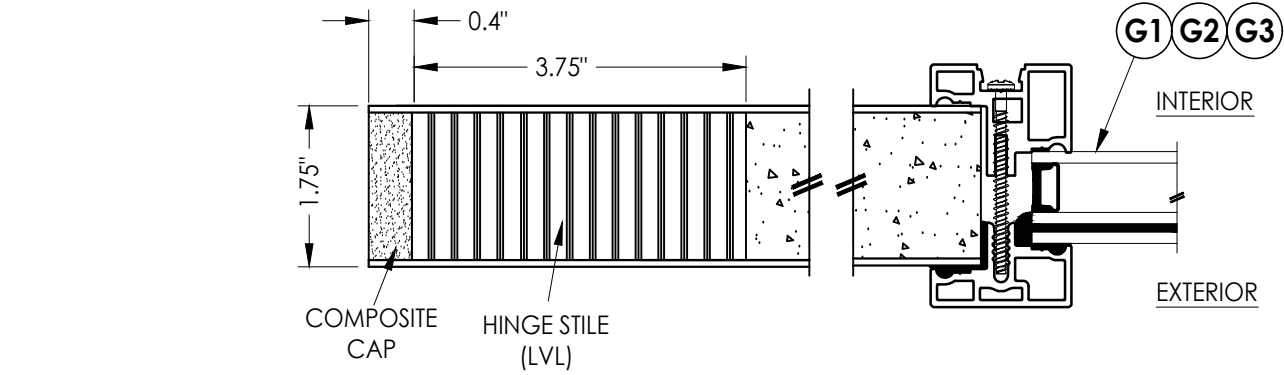
PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

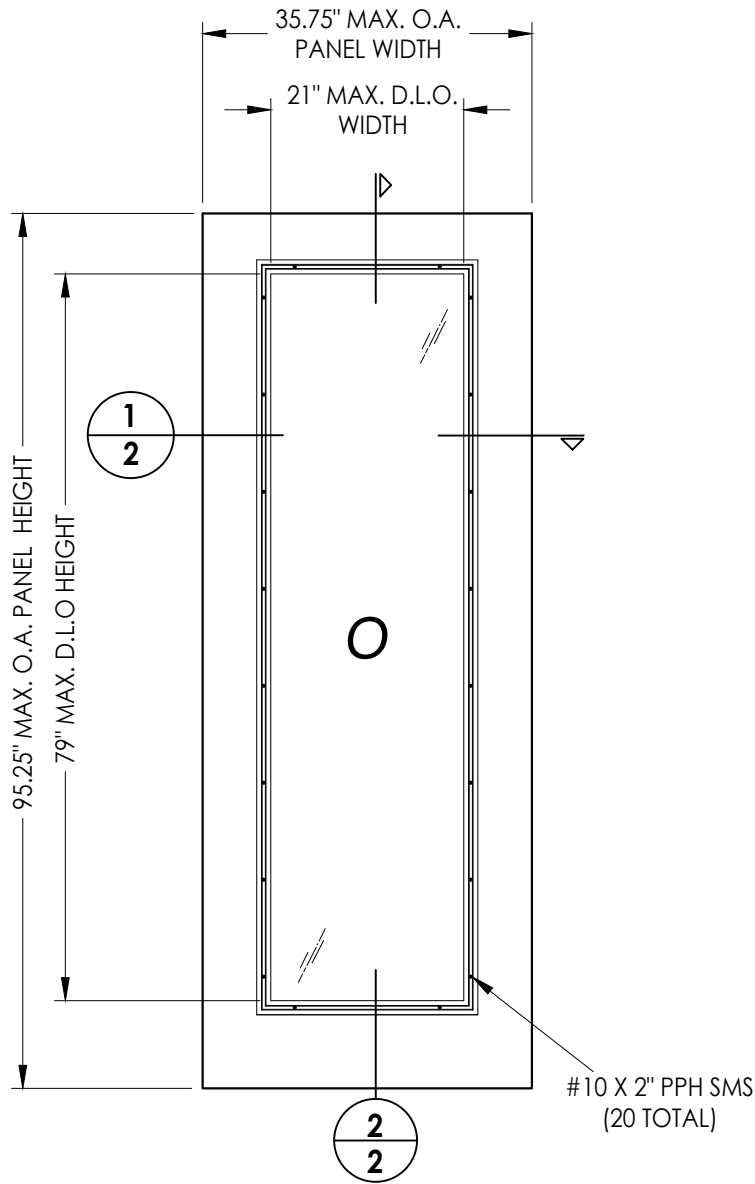
NO.	DATE	REVISIONS
1	7/01/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

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 R3\FL-46830.12.dwg

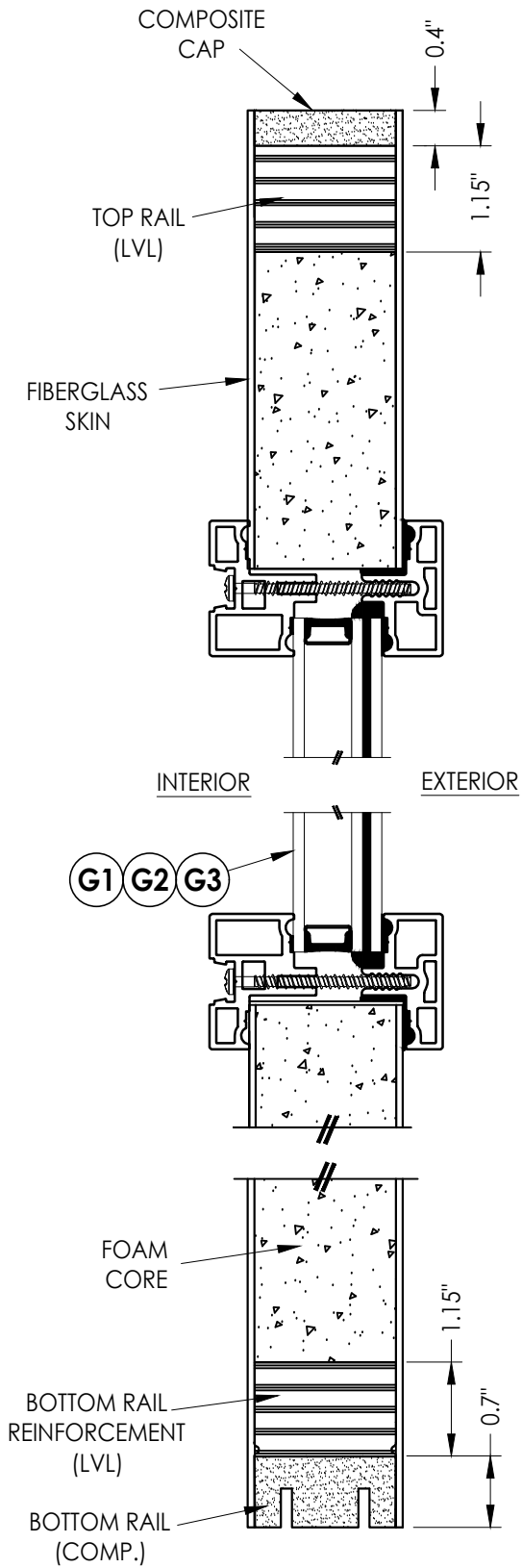


1
3 HORIZONTAL CROSS SECTION



50 FIBERGLASS SIDELITE PANELS
BUILDERS HARDWARE

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



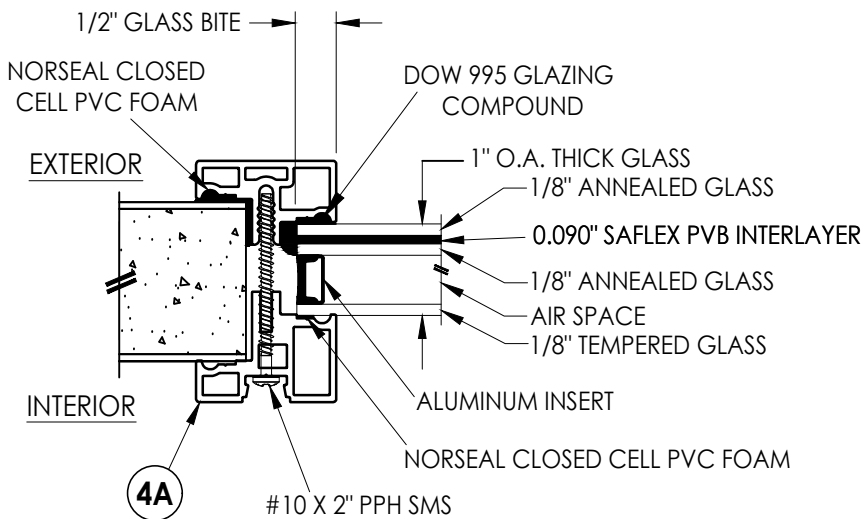
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3 VERTICAL CROSS SECTION

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

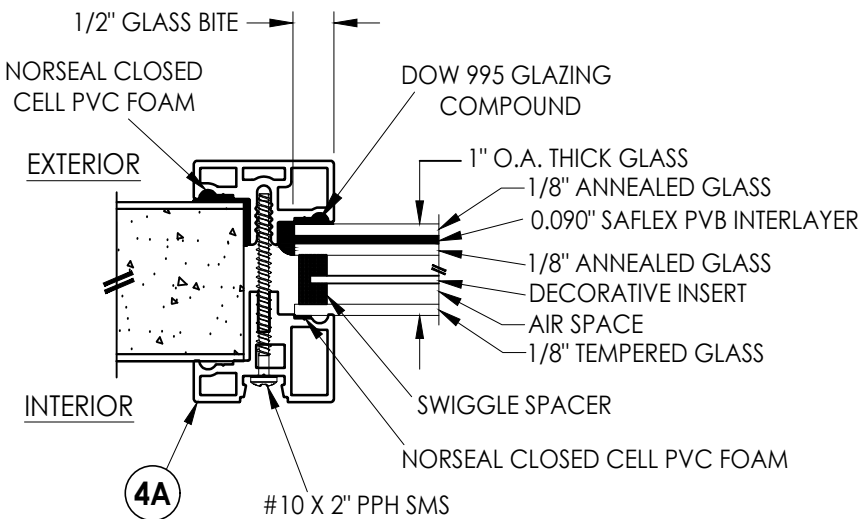
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		TRIMLITE FIBERGLASS DOOR	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
DATE		REVISIONS	
1	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
NO.	DATE	BY	LFS
DATE: 5/12/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.12			
SHEET 3 OF 13			

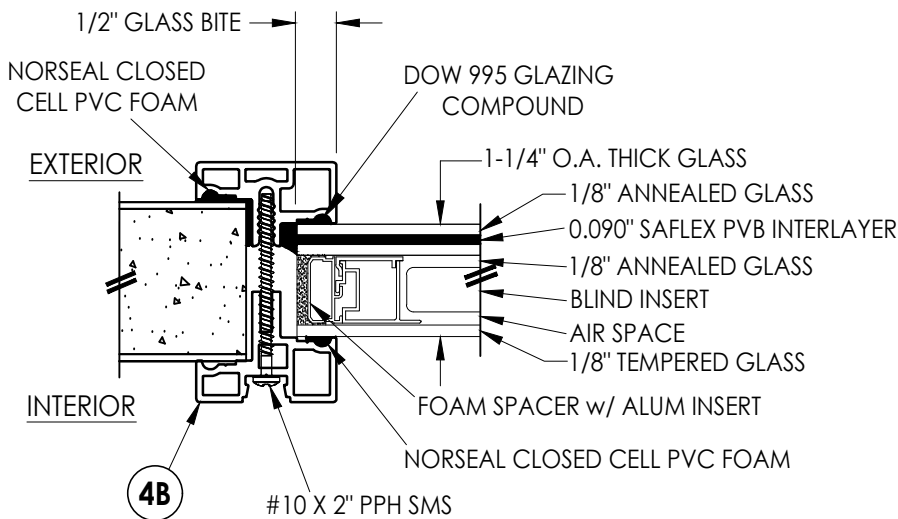
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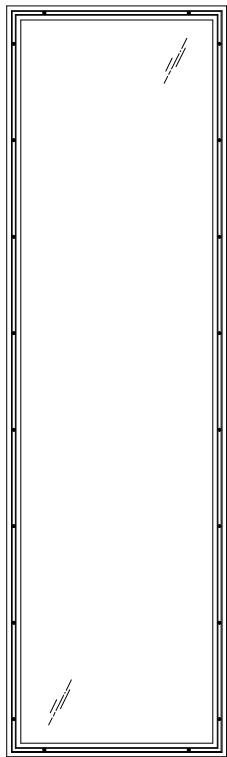
G1 GLAZING DETAIL
CLEAR GLASS



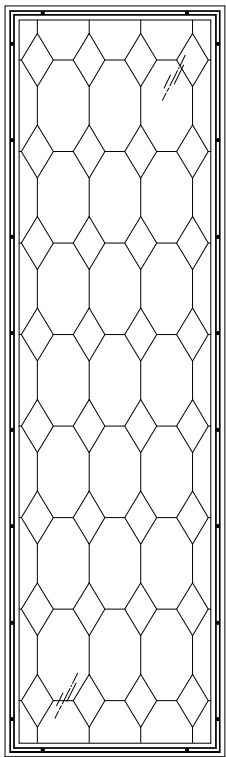
G2 GLAZING DETAIL
DECORATIVE GLASS



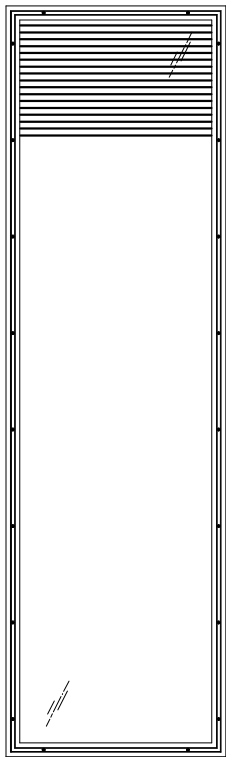
G3 GLAZING DETAIL
BLINDS BETWEEN GLASS



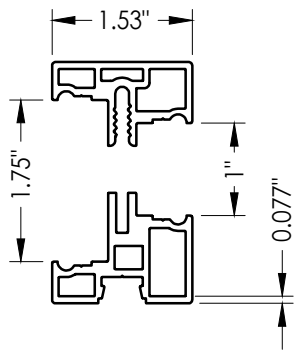
G1 GLAZING DETAIL
CLEAR GLASS



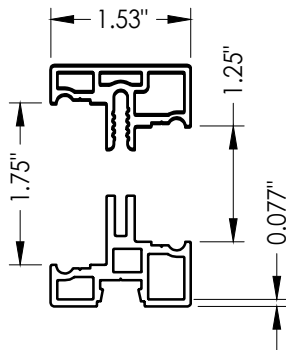
G2 GLAZING DETAIL
DECORATIVE GLASS



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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PRODUCT:
TRIMLITE
FIBERGLASS DOORS

PART OR ASSEMBLY:
LITE FRAME
& GLAZING DETAILS

NO.	DATE	REVISIONS
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LFS	BY	

DATE: 6/18/24

SCALE: N.T.S.

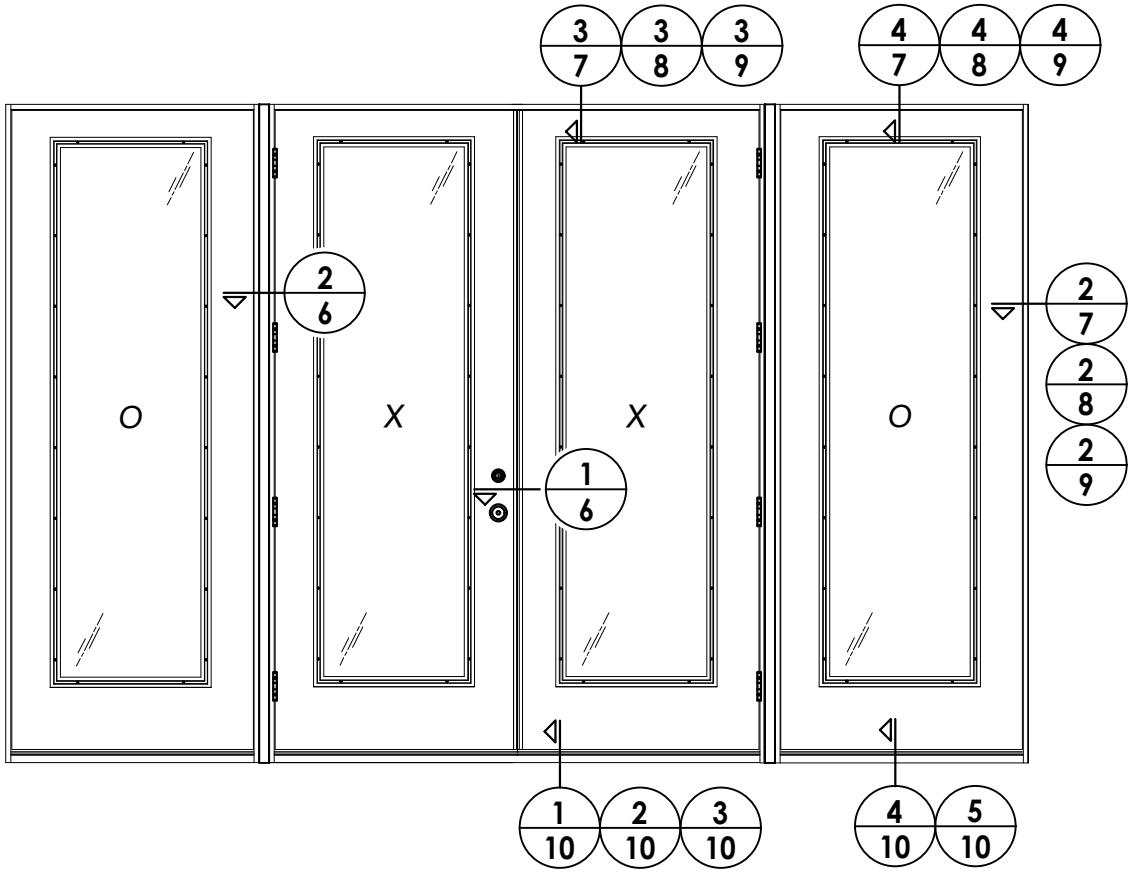
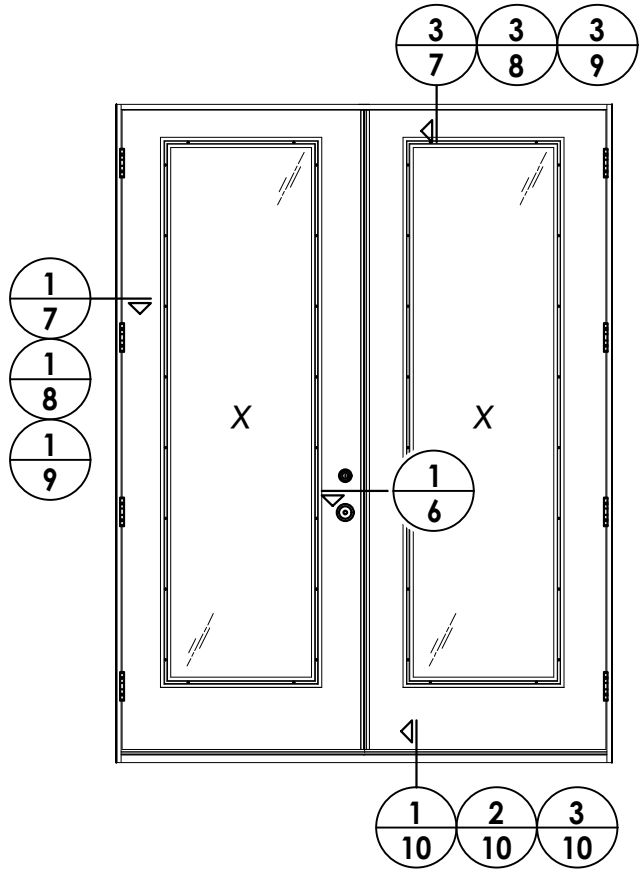
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-46830.12

SHEET 4 OF 13



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

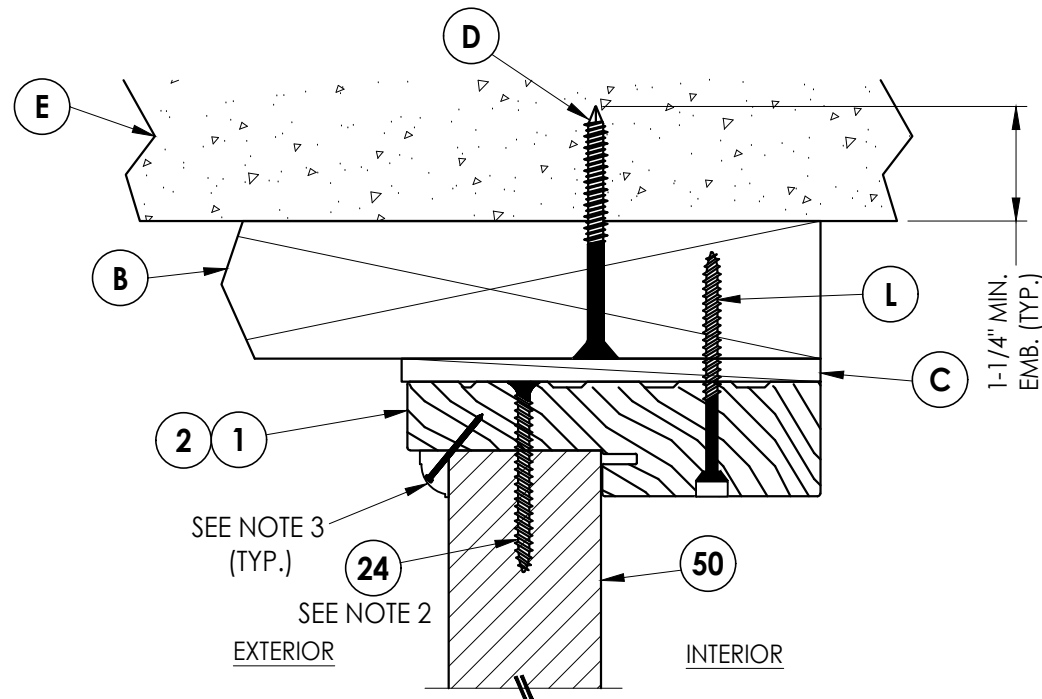
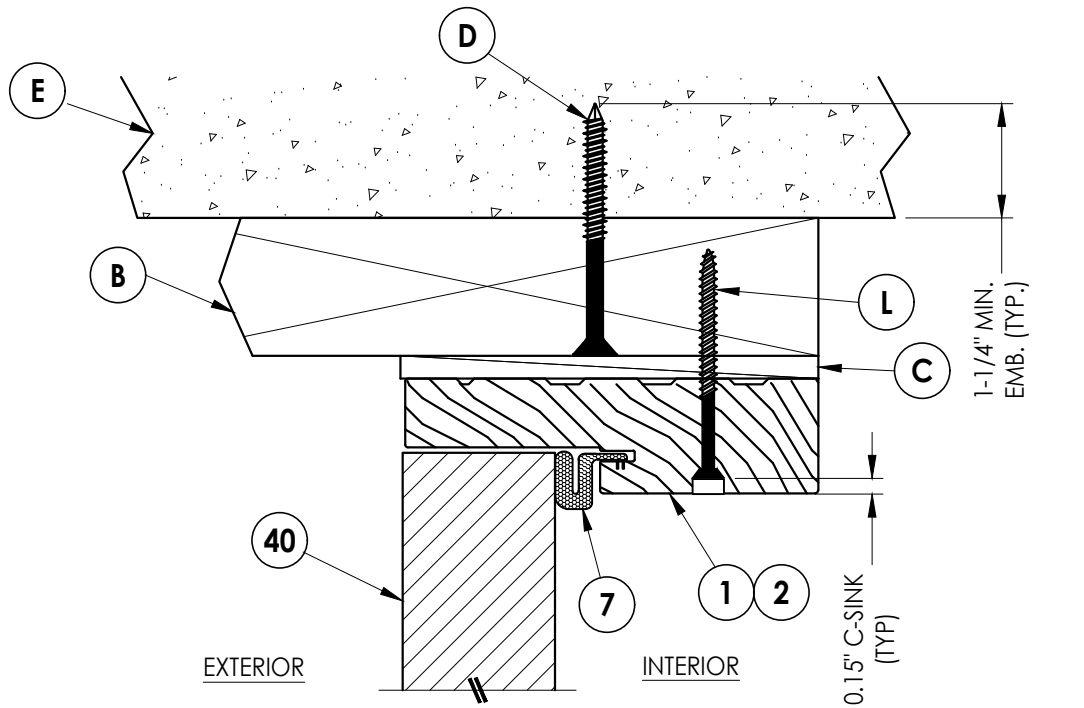
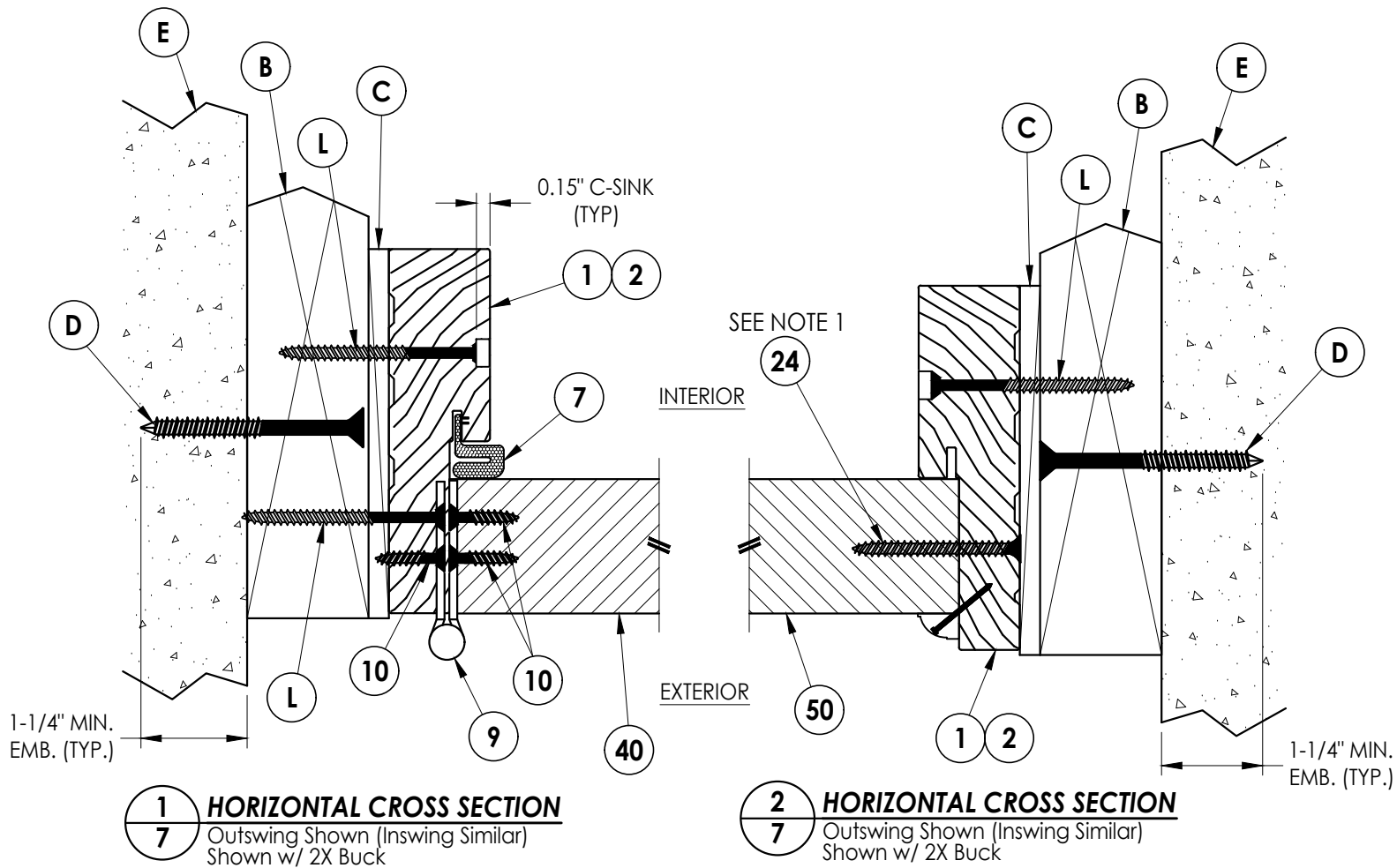
NO	DATE	DESCRIPTION	BY
1	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS

PRODUCT:	TRIMLITE FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

Documents Prepared By:
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FBPE Registry No. 9813

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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.

Documents Prepared By:
Lyndon F. Schmidt
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	BY
1	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS

DATE: 5/12/25

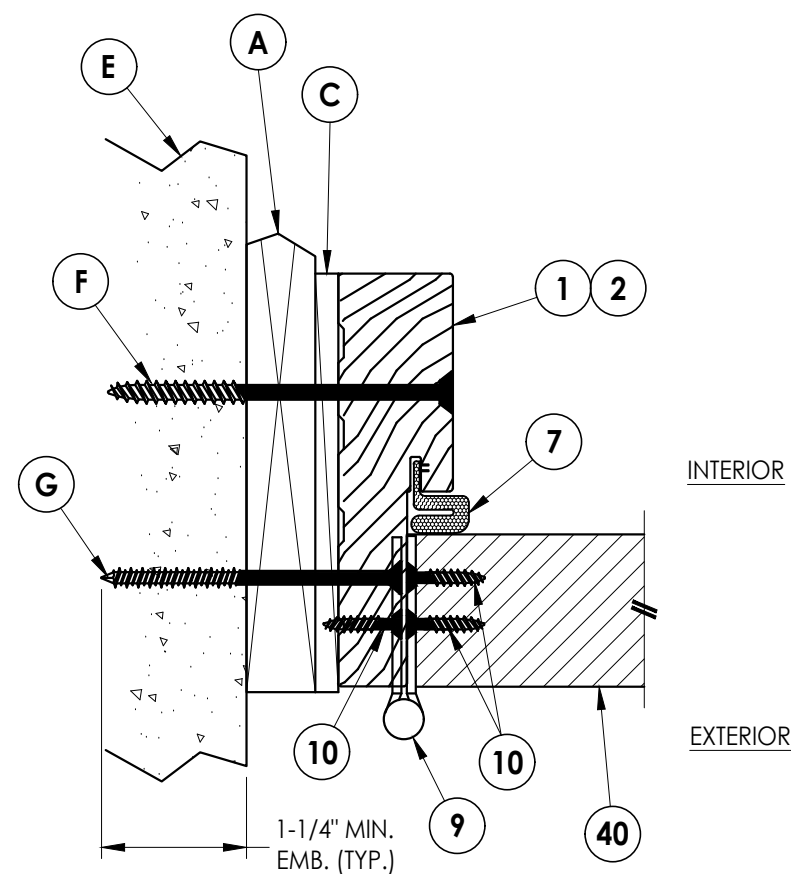
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DWG. BY: LFS

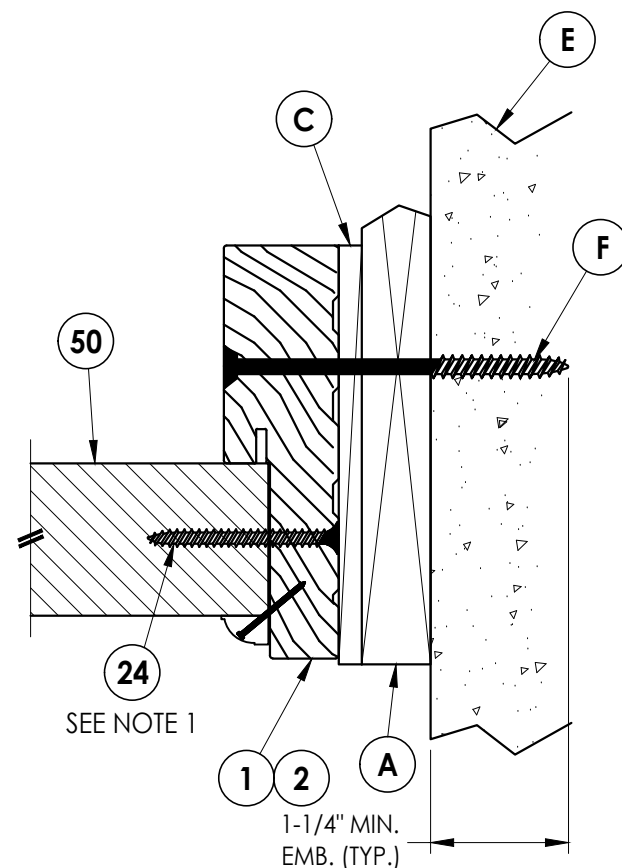
CHK. BY: RW

DRAWING NO.: FL-46830.12

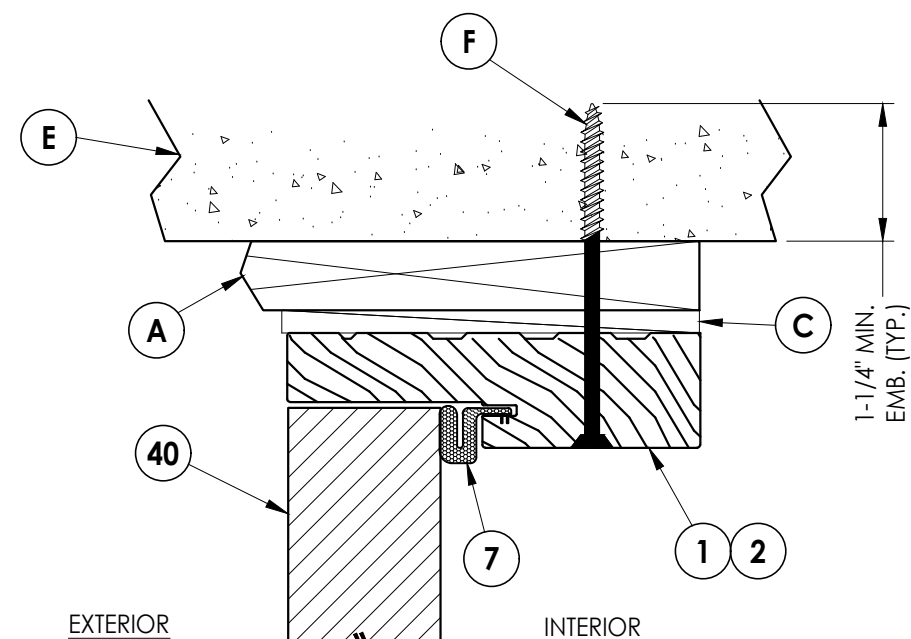
SHEET 7 OF 13



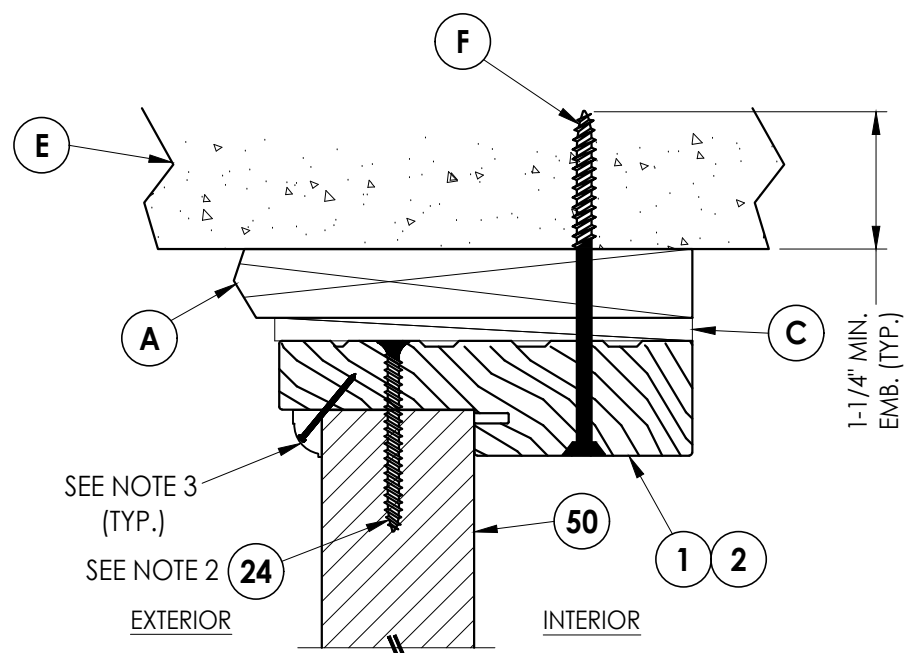
1 **HORIZONTAL CROSS SECTION**
8 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck



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



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



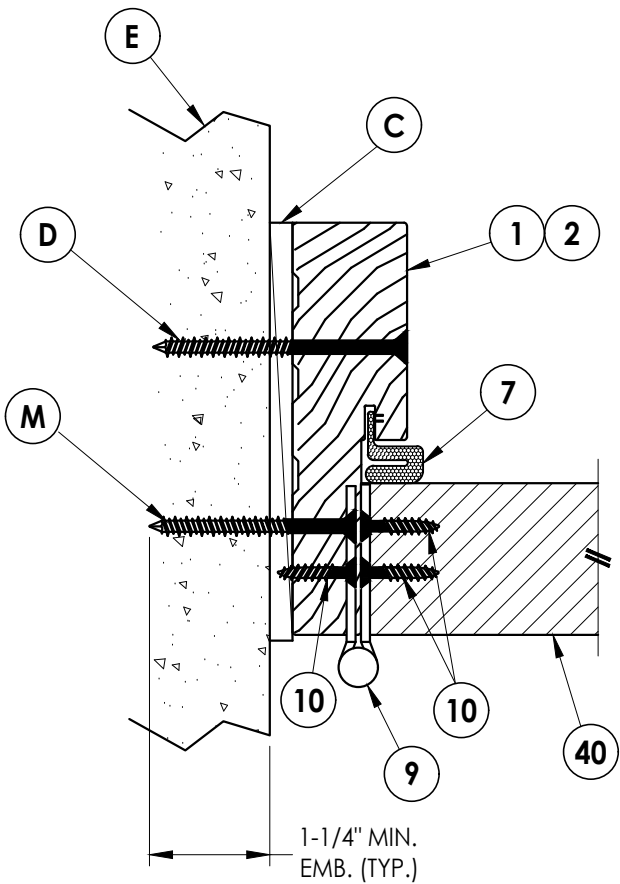
4 **VERTICAL CROSS SECTION**
8 Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

Notes:

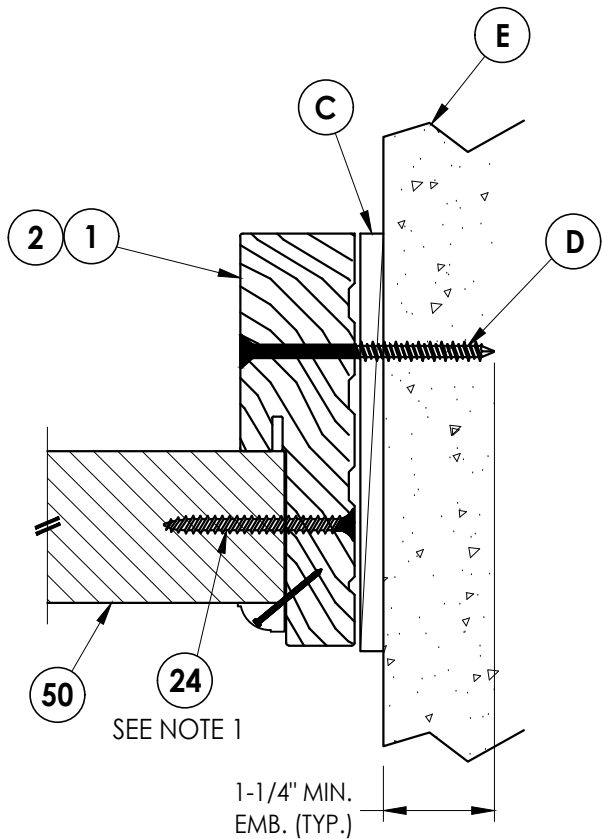
1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
3. PVC Moulding secured w/ 16 GA. X 1" brad nails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

[illegible]

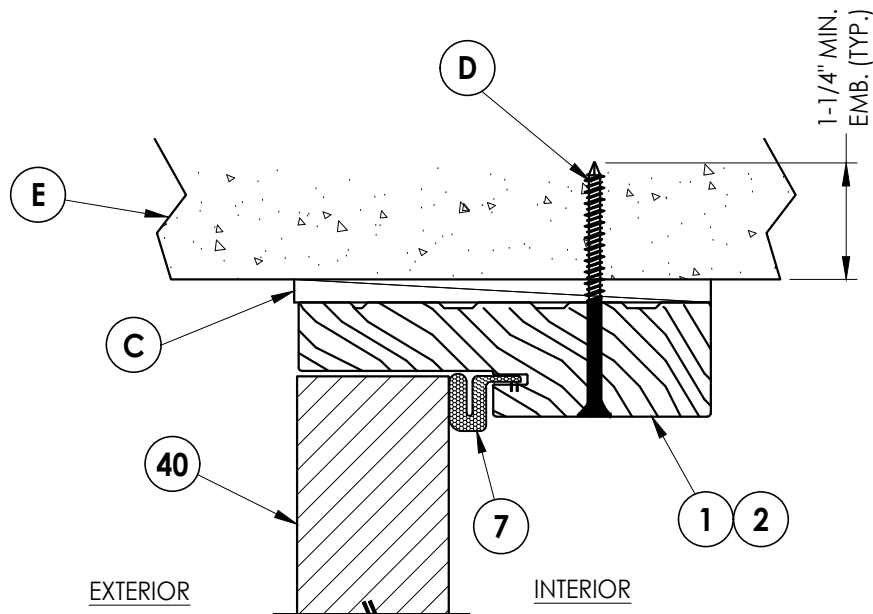
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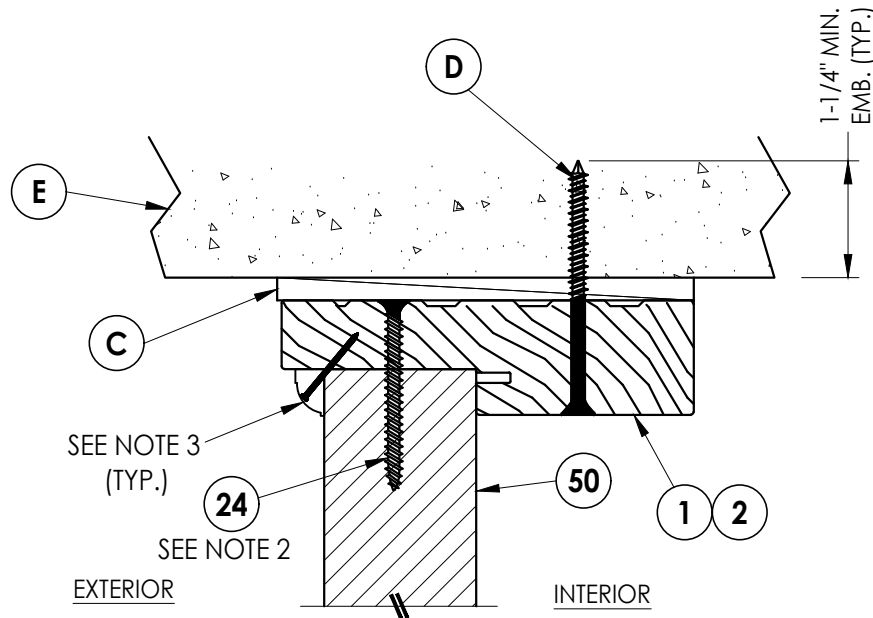
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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:
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RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	BY	LFS
1	7/01/26	UPDATE TO 9TH ED. (2026) FBC		

DATE: 5/12/25

SCALE: N.T.S.

DWG. BY: LFS

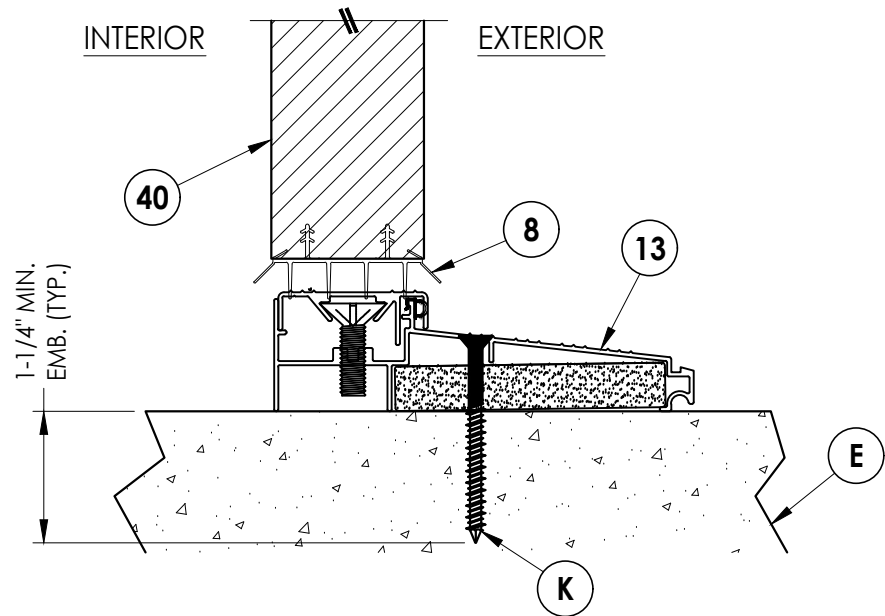
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DRAWING NO.:

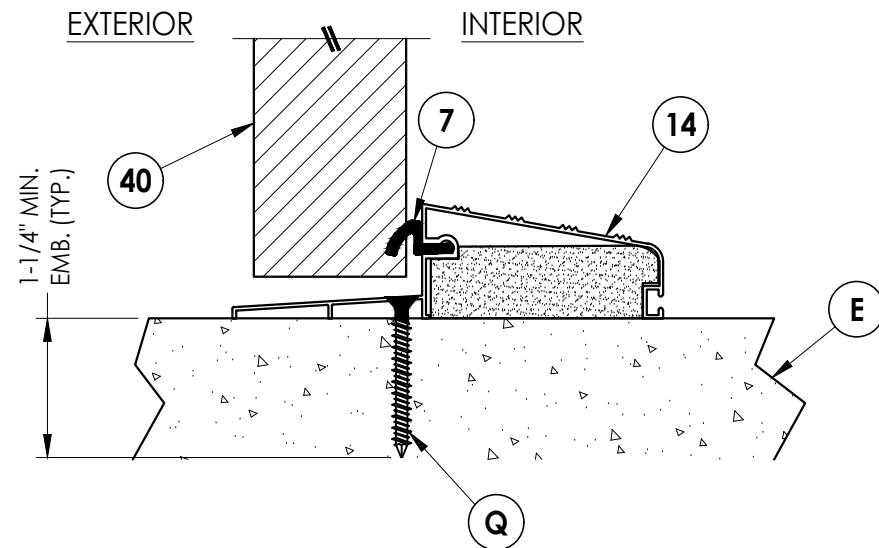
FL-46830.12

SHEET 9 OF 13

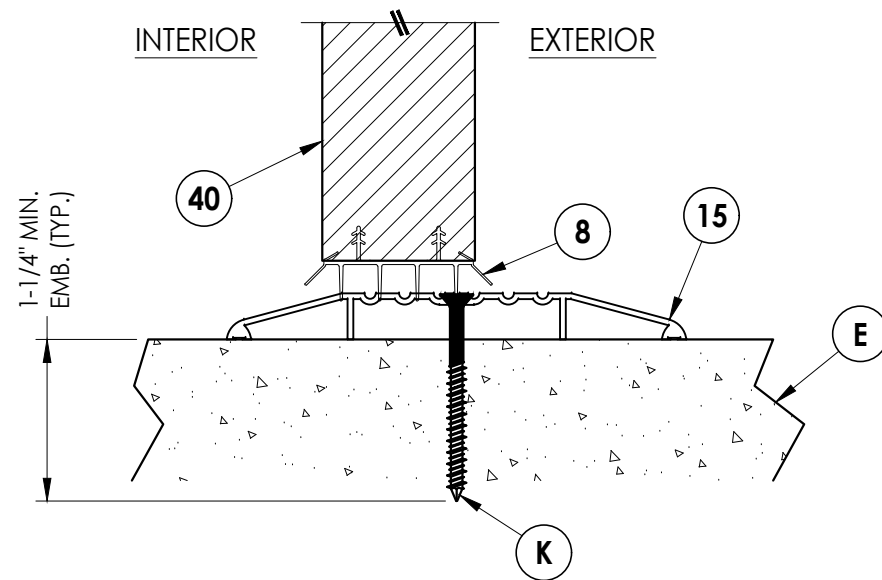
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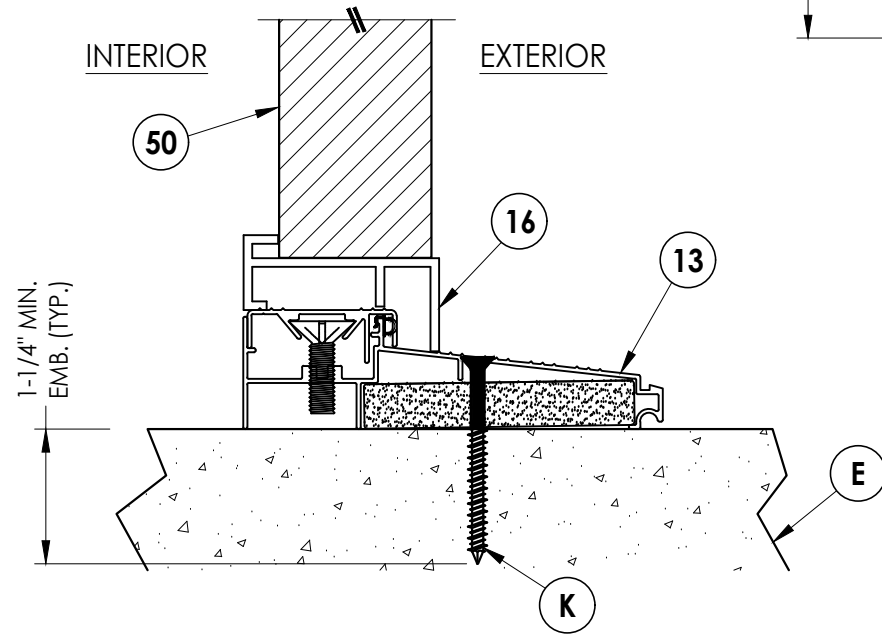
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10 **VERTICAL CROSS SECTION**
Inswing Threshold



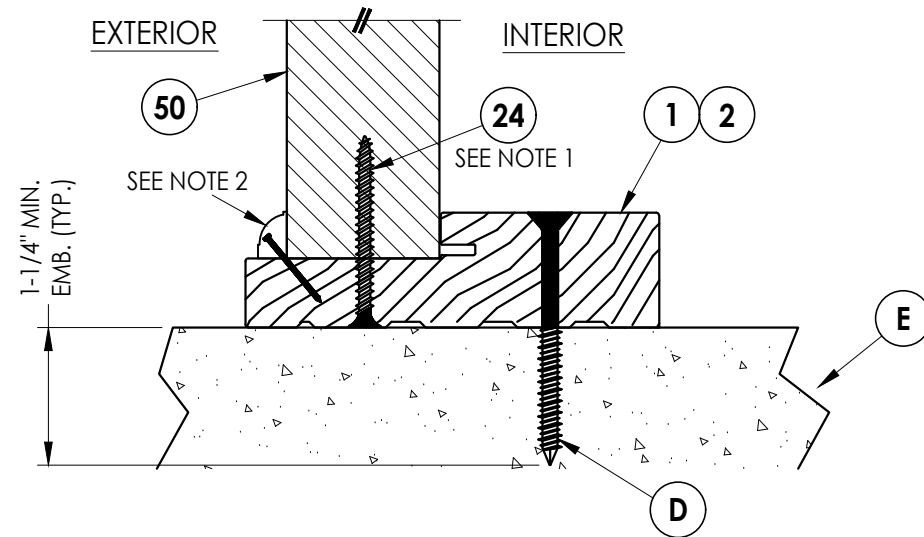
2
10 **VERTICAL CROSS SECTION**
Outswing Threshold



3
10 **VERTICAL CROSS SECTION**
ADA Threshold



4
10 **VERTICAL CROSS SECTION**
Inswing Threshold



5
10 **VERTICAL CROSS SECTION**
Outswing Threshold

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.

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:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
1	7/01/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 5/12/25

SCALE: N.T.S.

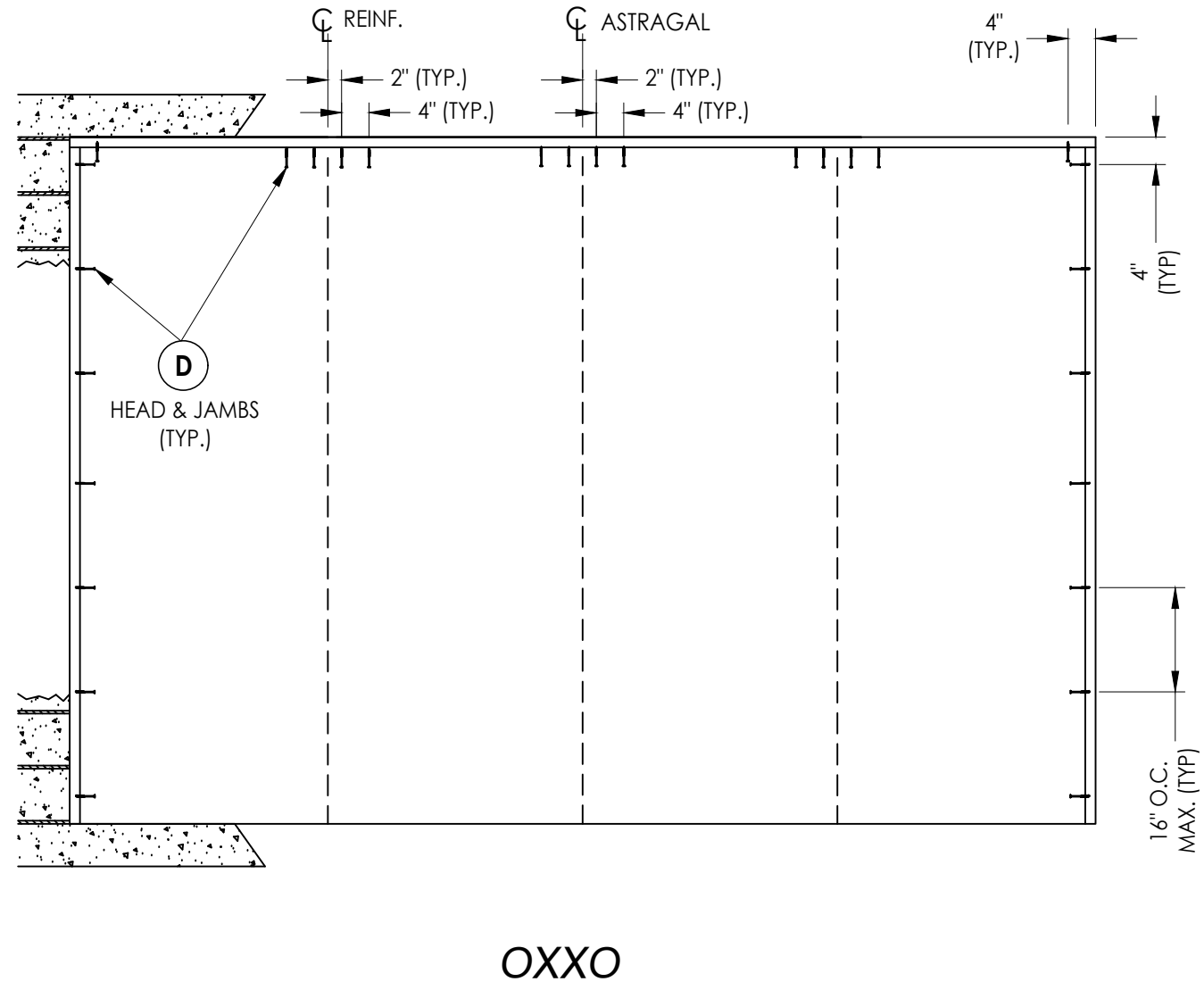
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CHK. BY: RW

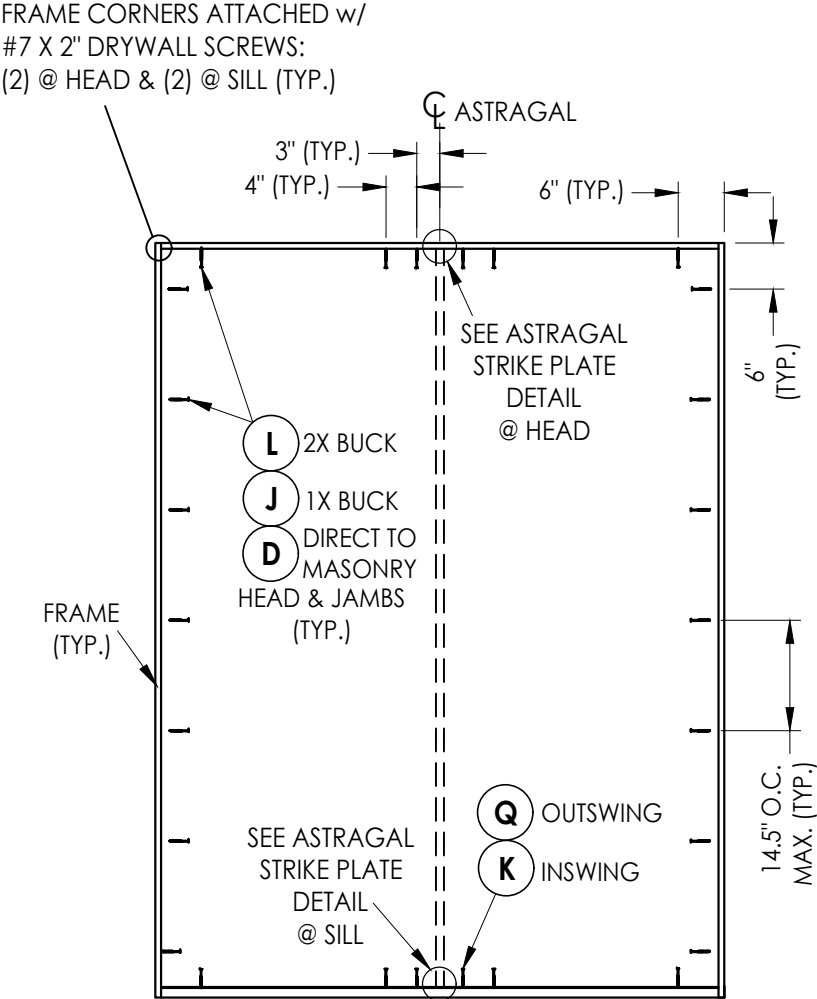
DRAWING NO.: FL-46830.12

SHEET 10 OF 13

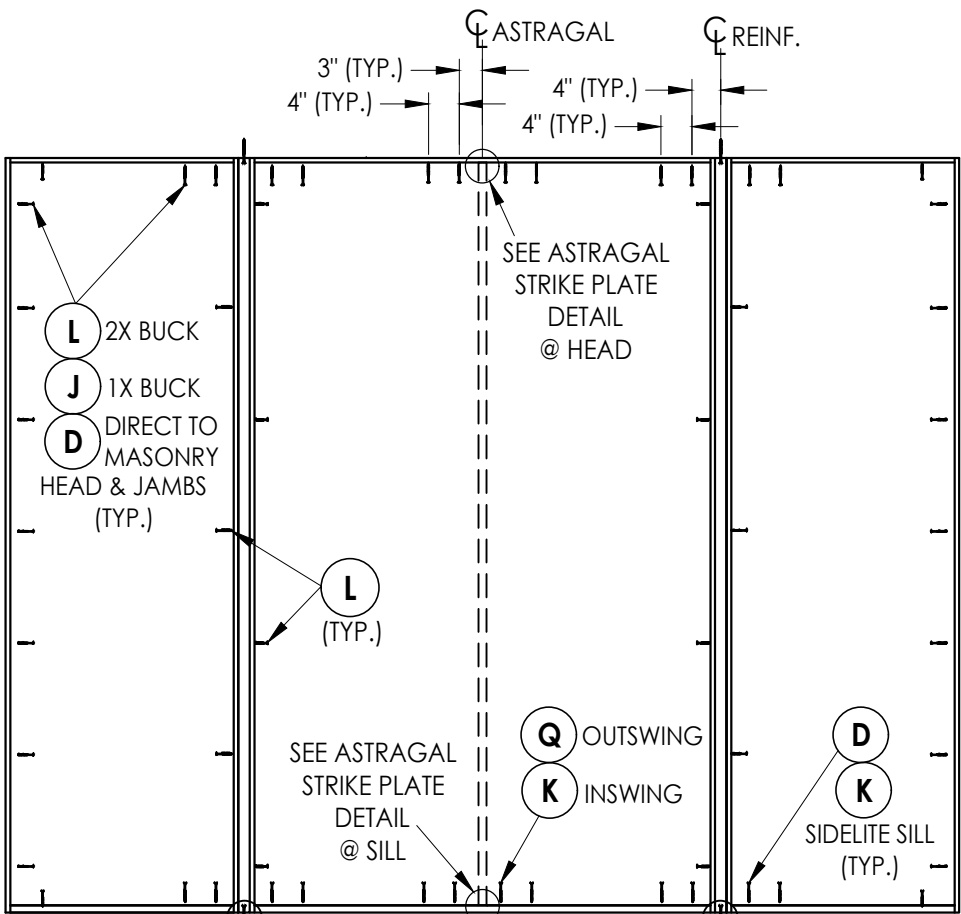
2X BUCK ANCHORING

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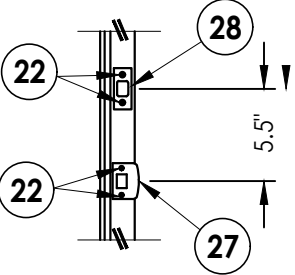
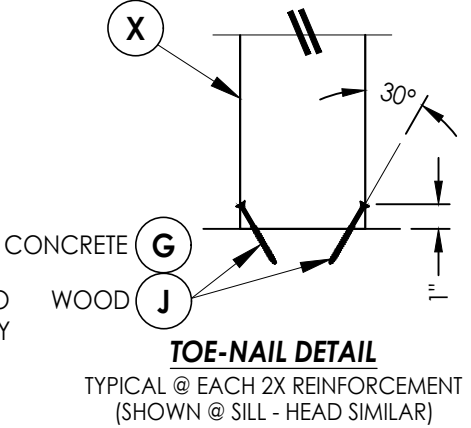
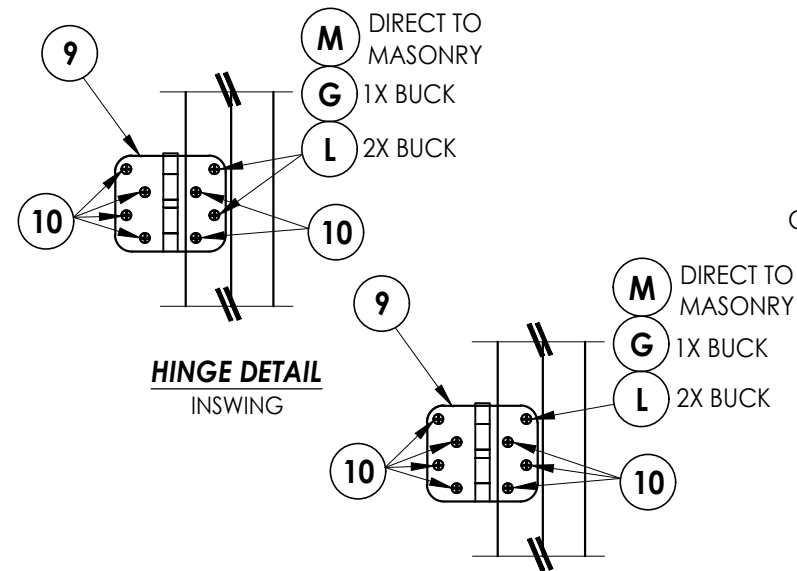
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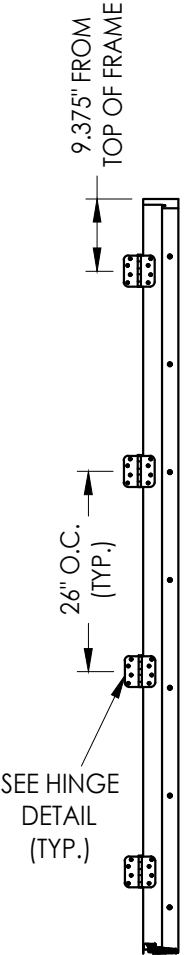
OXXO

FRAME ANCHORING

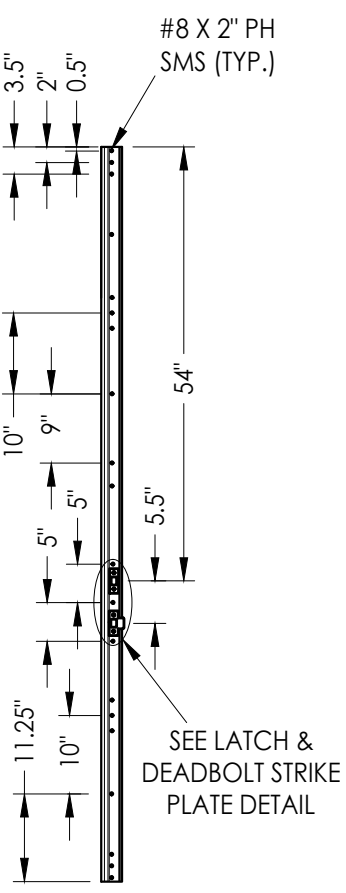
SEE MULLION TOENAIL DETAIL (TYP.)



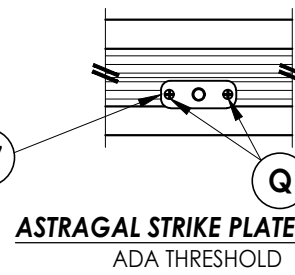
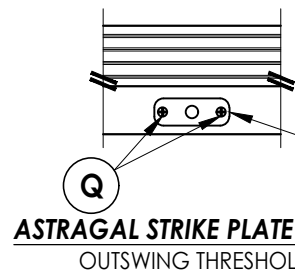
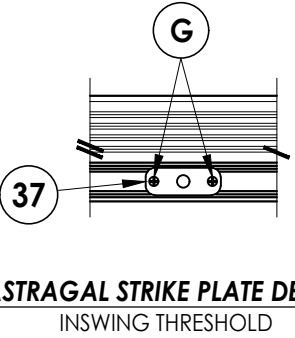
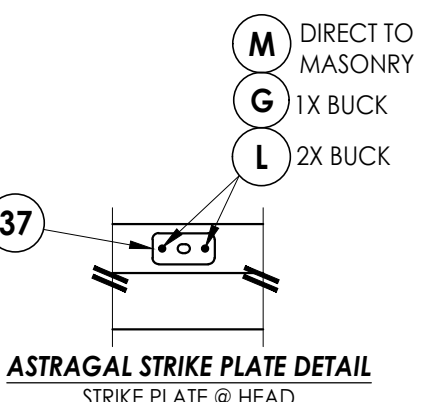
LATCH & DEADBOLT STRIKE PLATE DETAILS



HINGE JAMB



ASTRAGAL



HARDWARE DETAILS

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

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

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FBPE Registry No. 9813

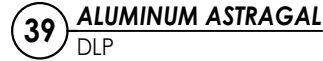
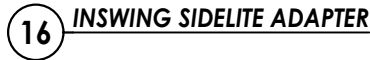
PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS	
		LFS	BY
		1	7/01/26
		NO.	DATE
		REVISIONS	
DATE: 5/12/25		UPDATE TO 9TH ED. (2026) FBC	
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.12			
SHEET 12 OF 13			

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	-

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"

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



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PART OR ASSEMBLY:

1	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
NO.	DATE			BY	
					REVISIONS

FL-46830.12