

TRIMLITE

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

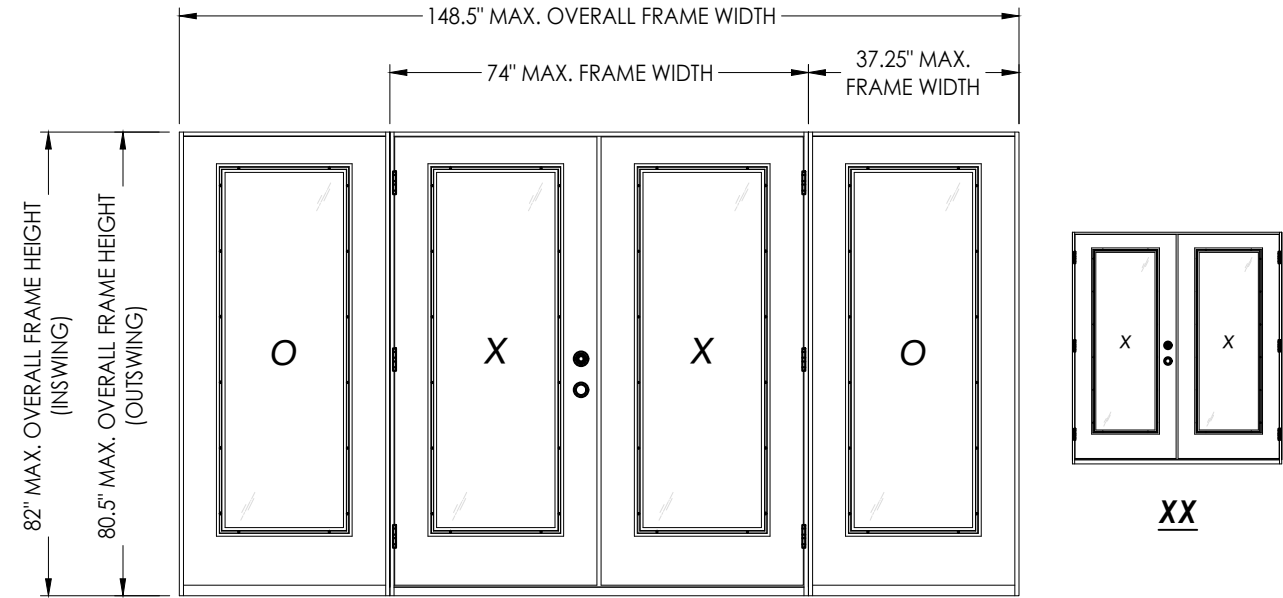
GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

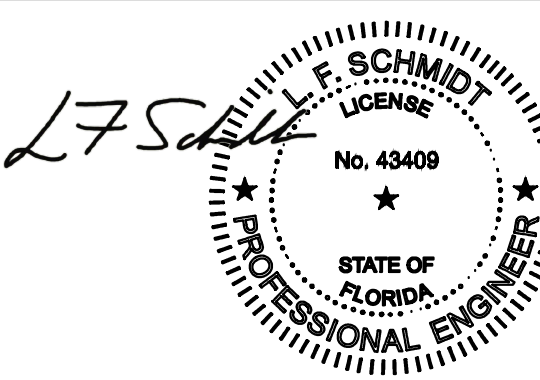
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7	Horizontal & Vertical Cross Sections (2X Buck)				

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	+50.0	-50.0	+50.0	-50.0
OXXO	148.5" x 82.0"	+50.0*	-50.0	+50.0	-50.0

*NOTE: INSWING DESIGN PRESSURE IS LIMITED TO +45.0 PSF FOR OXXO CONFIGURATION USING WOOD JAMBS & SIDELITES > 14" NOMINAL WIDTH.



OXXO



Digitally signed by
Lyndon F Schmidt
Date: 2026.07.20
09:49:46 -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
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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: 4/02/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-46830.6

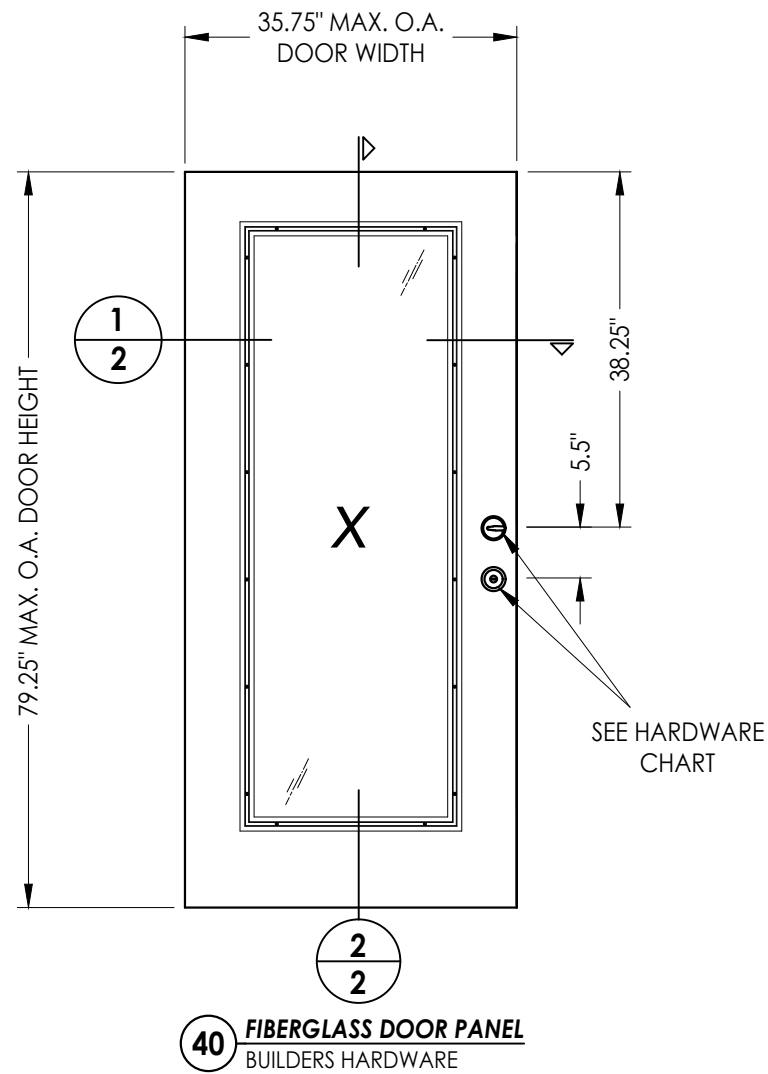
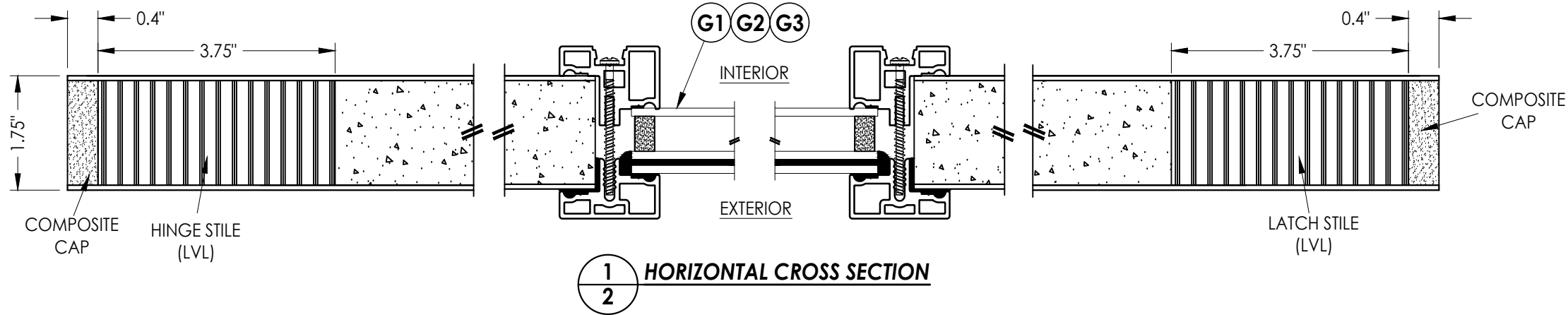
SHEET 1 OF 13

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

REVISIONS

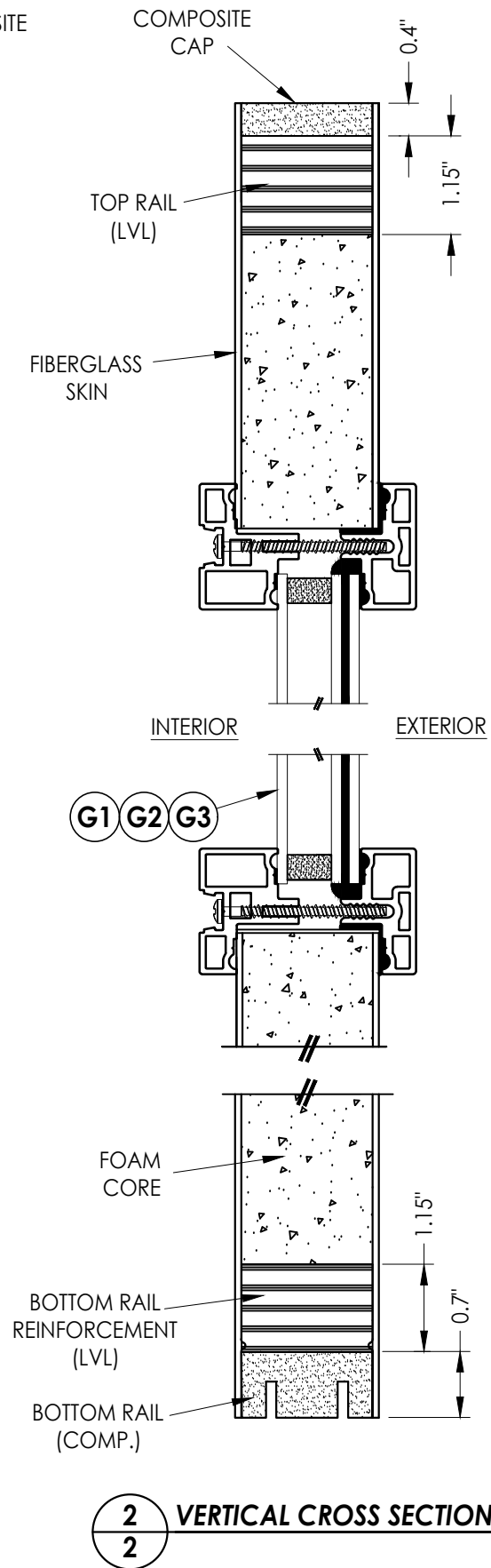
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FIBERGLASS DOOR SKIN: MIN. 0.080" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

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



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PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

REVISIONS		DATE		BY	
1	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	BY

DATE: 4/02/25

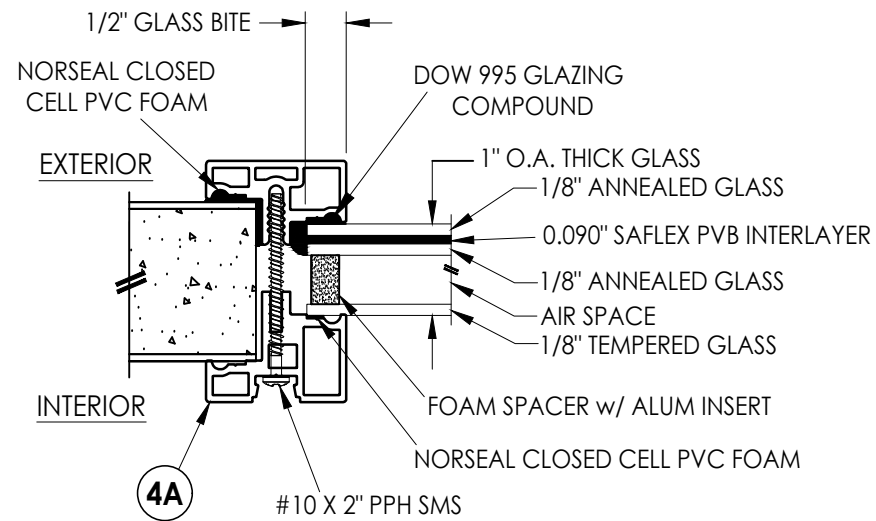
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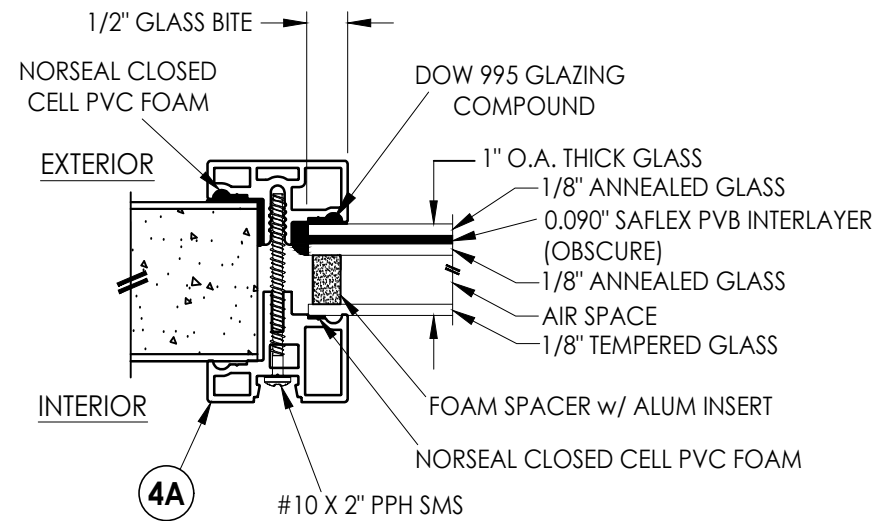
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FL-46830.6

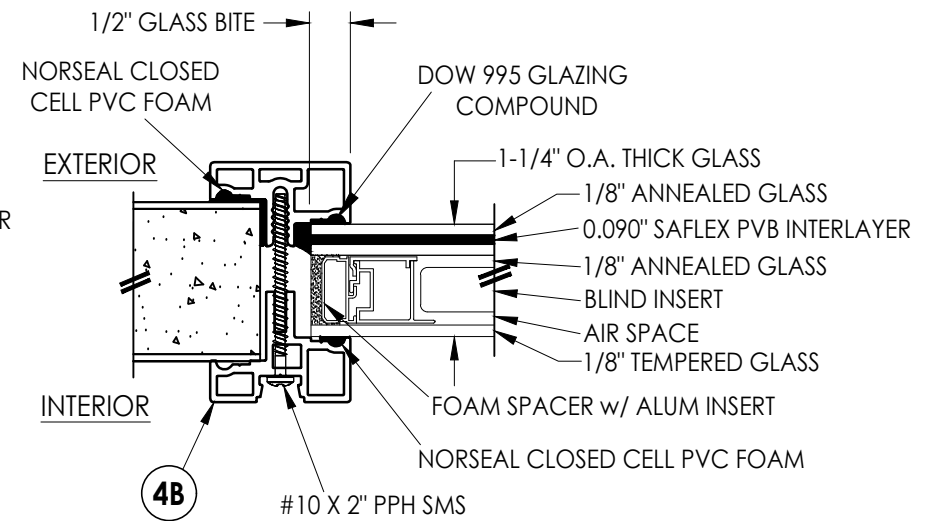
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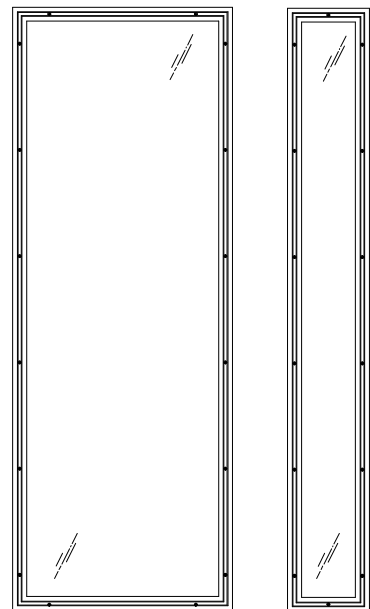
G1 **GLAZING DETAIL**
CLEAR GLASS



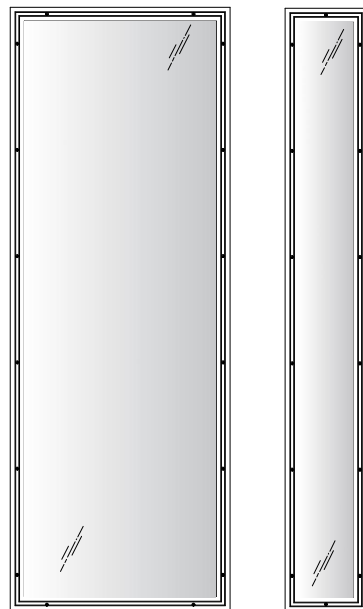
G2 **GLAZING DETAIL**
OBSCURE GLASS



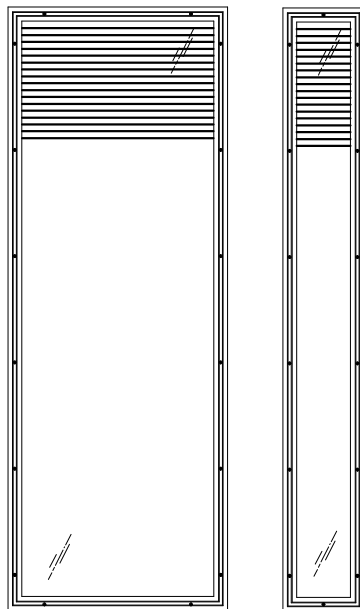
G3 GLAZING DETAIL BLINDS BETWEEN GLASS



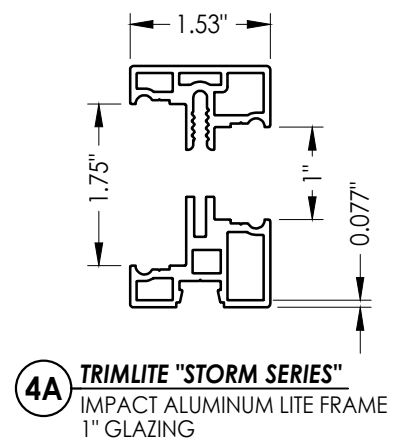
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CLEAR GLASS



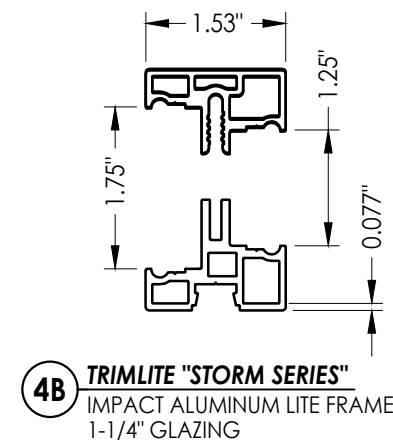
G2 **GLAZING DETAIL**
OBSCURE GLASS



G3 GLAZING DETAIL BLINDS BETWEEN GLASS



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



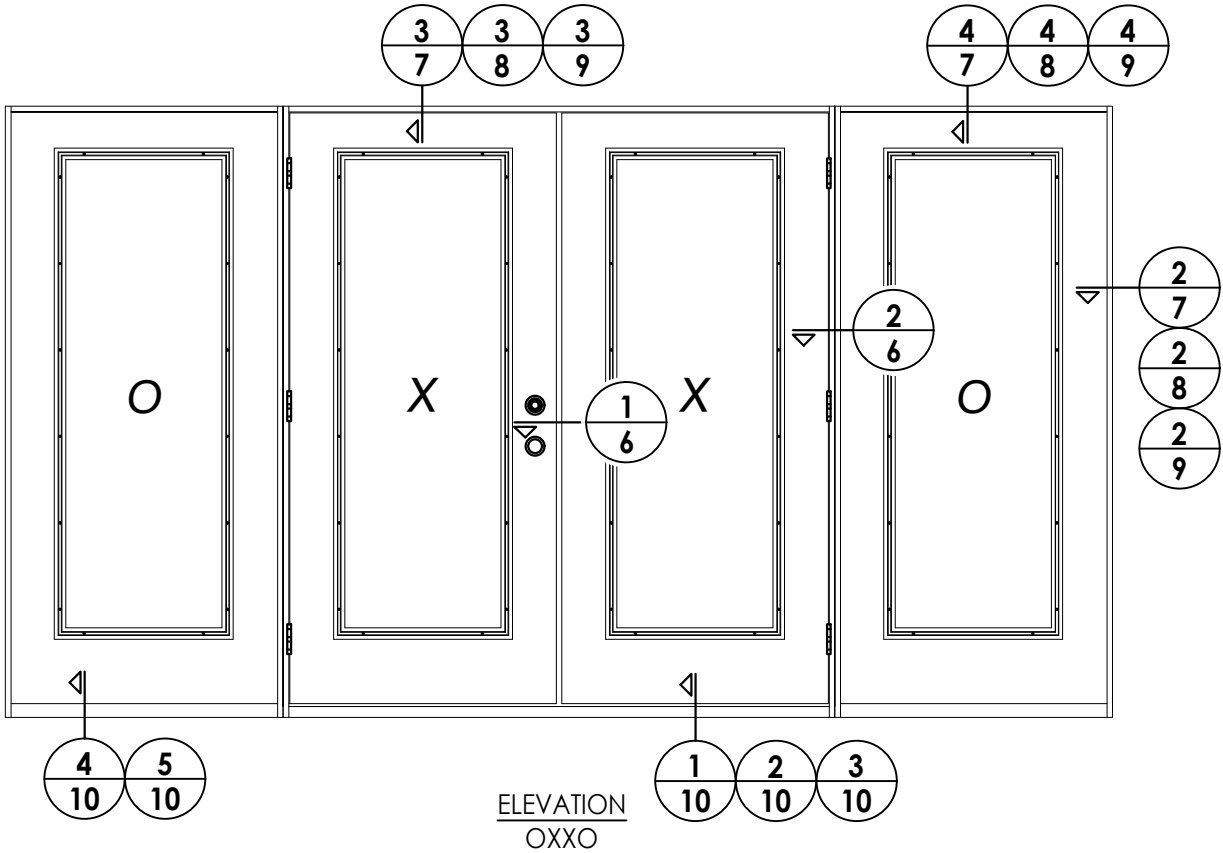
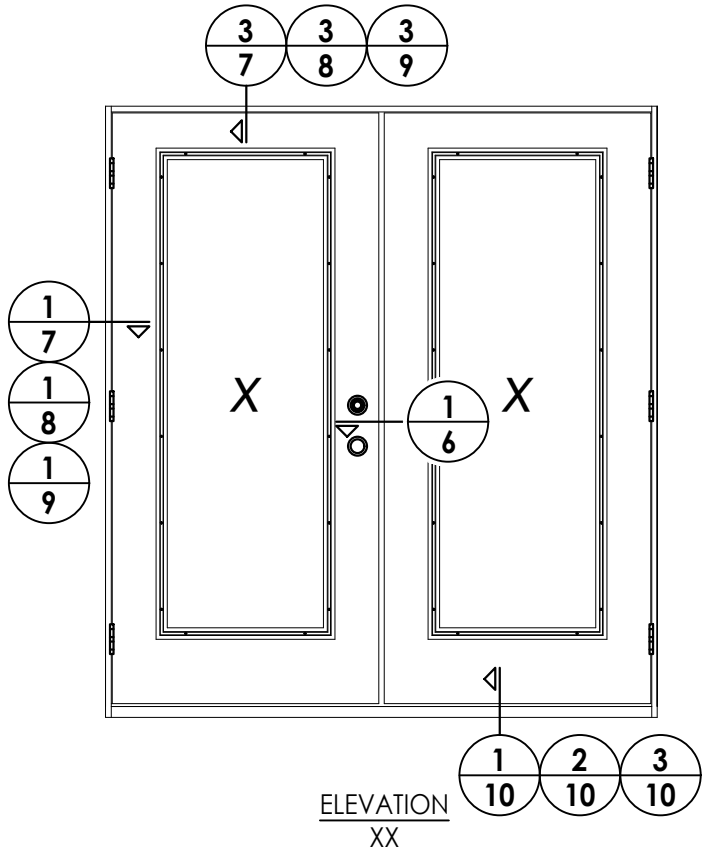
4B TRIMLITE "STORM SERIES"
IMPACT ALUMINUM LITE FRAME
1-1/4" GLAZING

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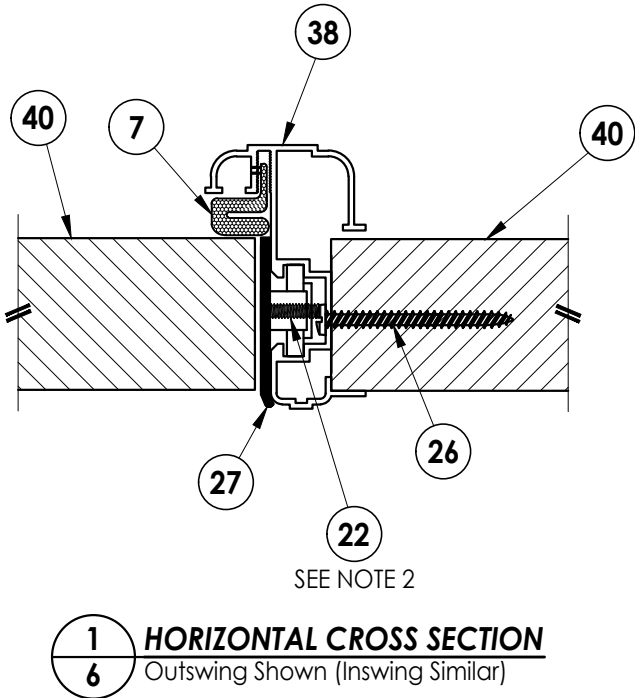
DATE: 4/02/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46830.6
SHEET 5 OF 13

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

PRODUCT:	TRIMLITE FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

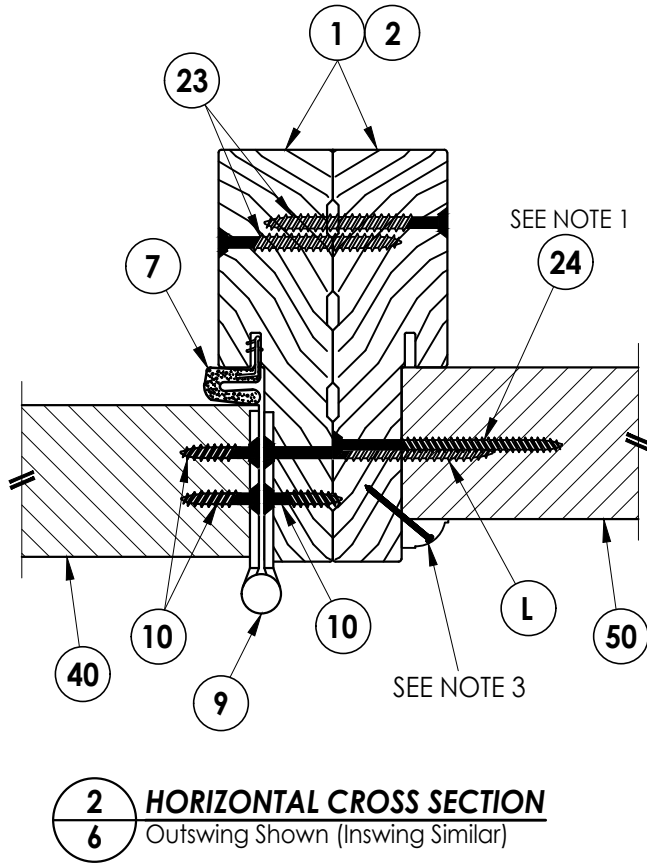
Documents Prepared By:
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FBPE Registry No. 9813



INTERIOR

EXTERIOR



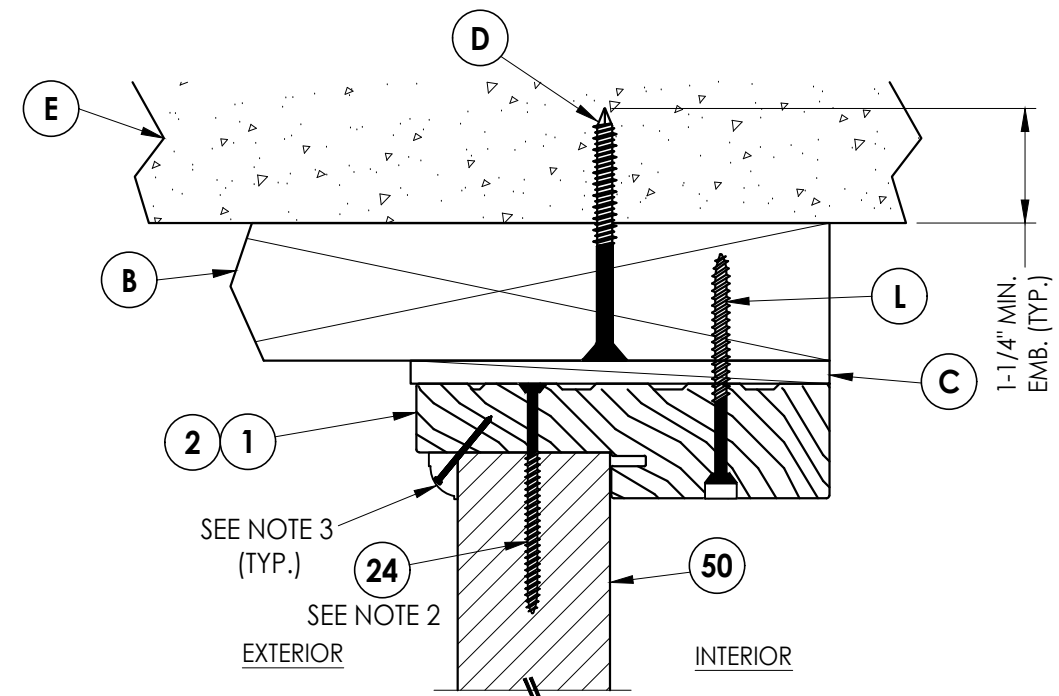
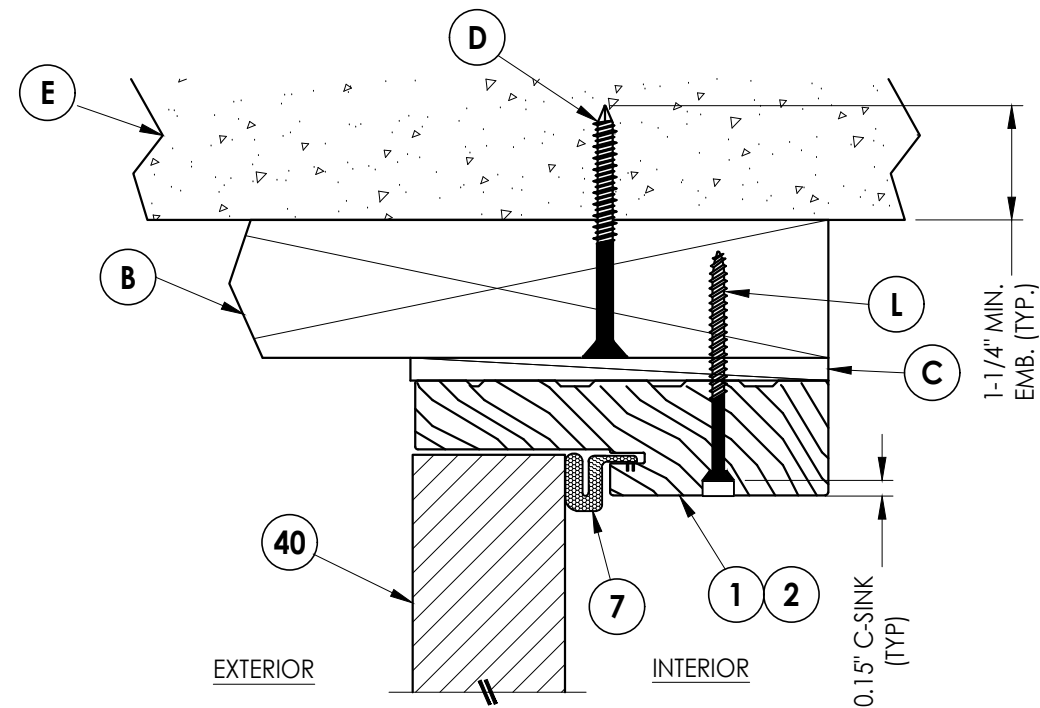
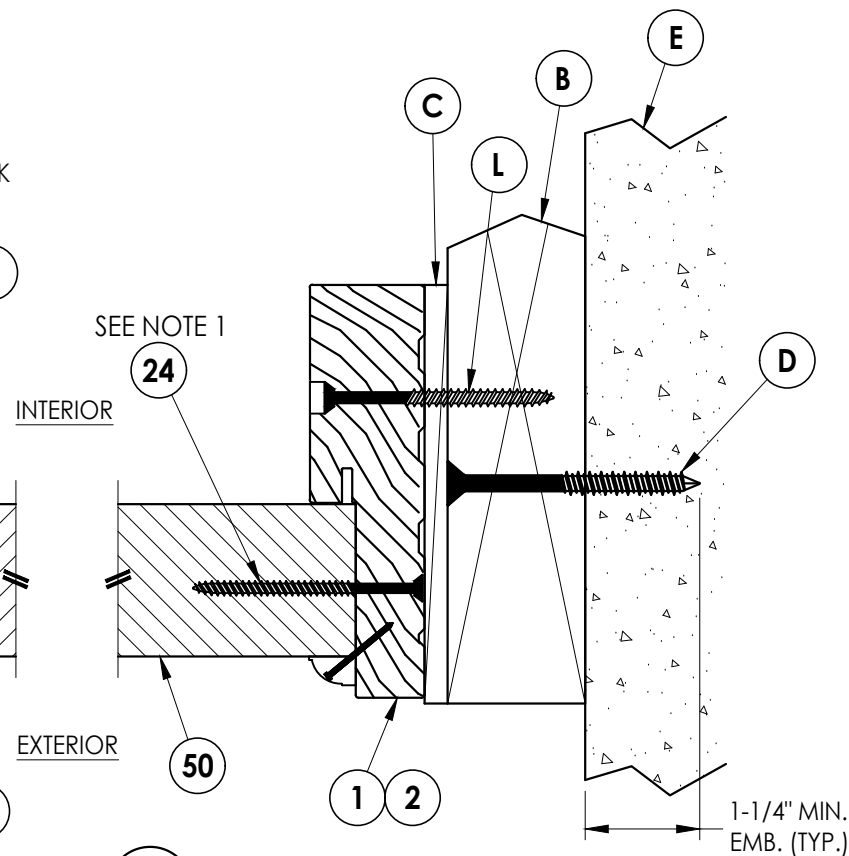
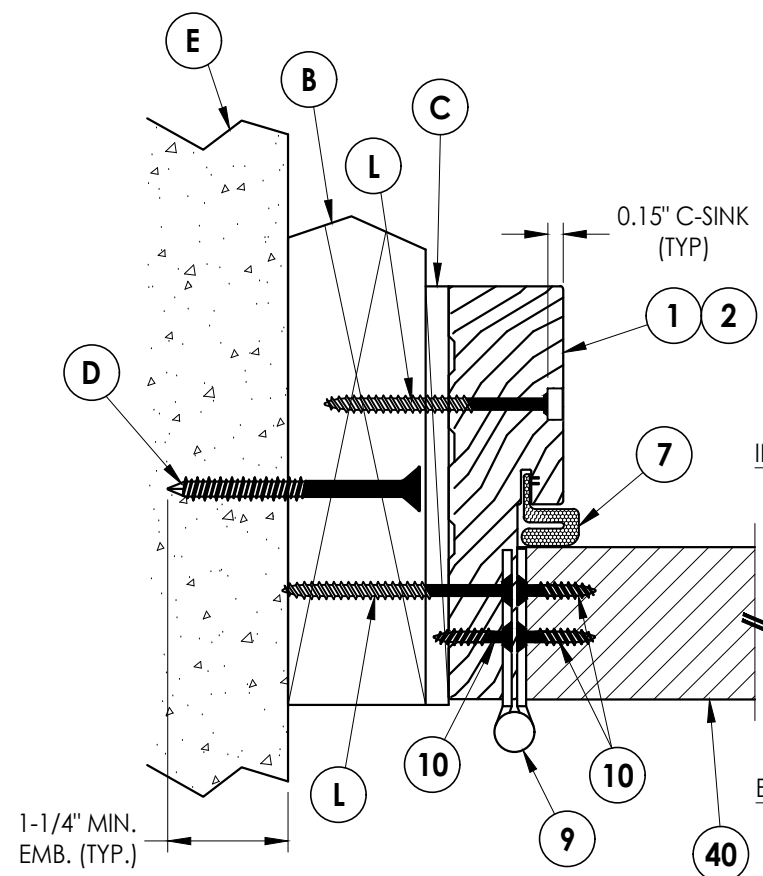
SEE NOTE 1

SEE NOTE 3

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)	
1	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
NO.	DATE		BY
REVISIONS			
DATE: 4/02/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.6			
SHEET 7 OF 13			

Documents Prepared By:

Lyndon F. Schmidt

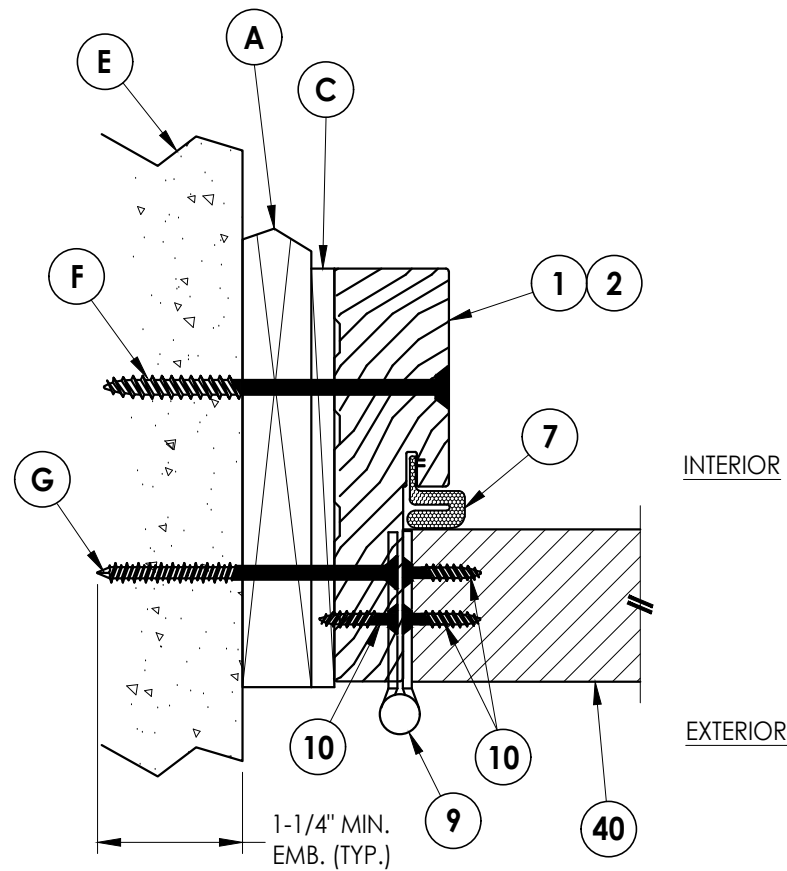
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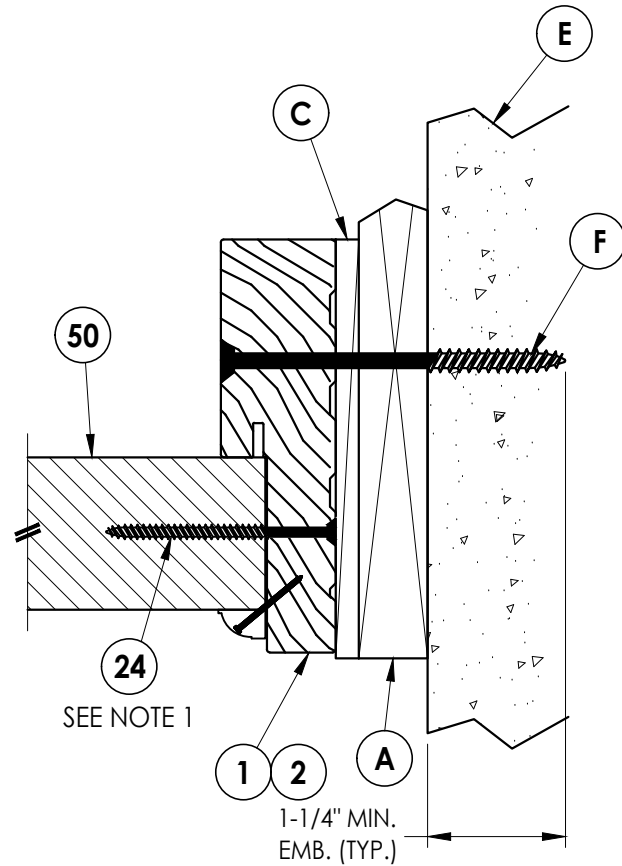
Phone No.: 813.659.9197

FBPE Registry No. 9813

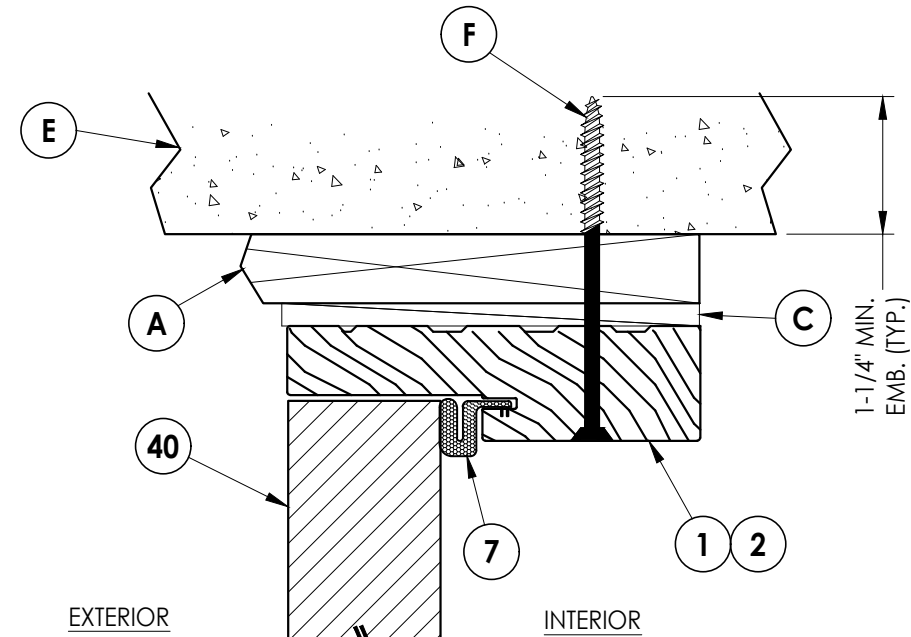


1 **HORIZONTAL CROSS SECTION**

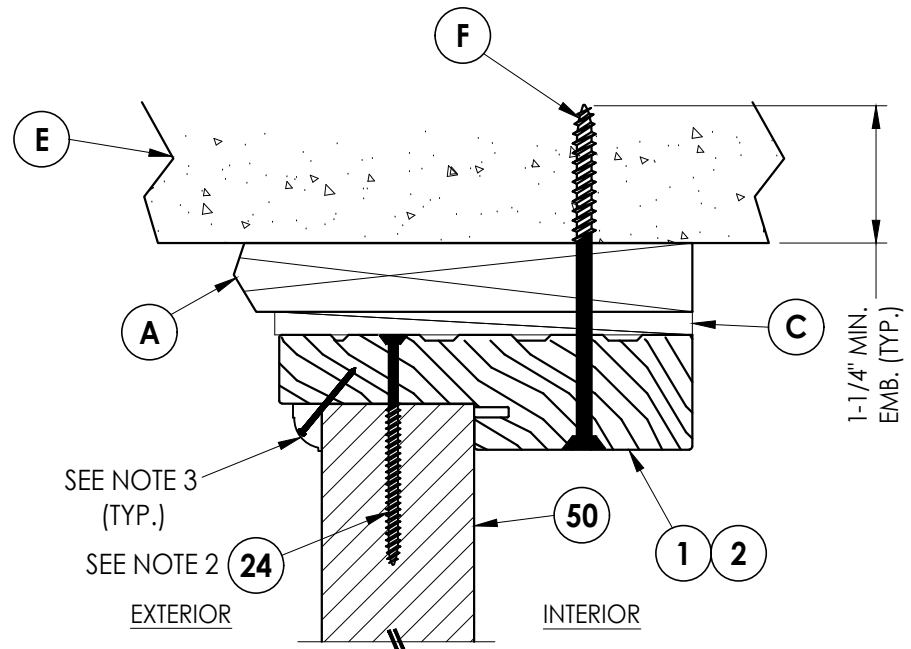
8 Outswing Shown (Inswing Similar) Shown w/ 1X Buck



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

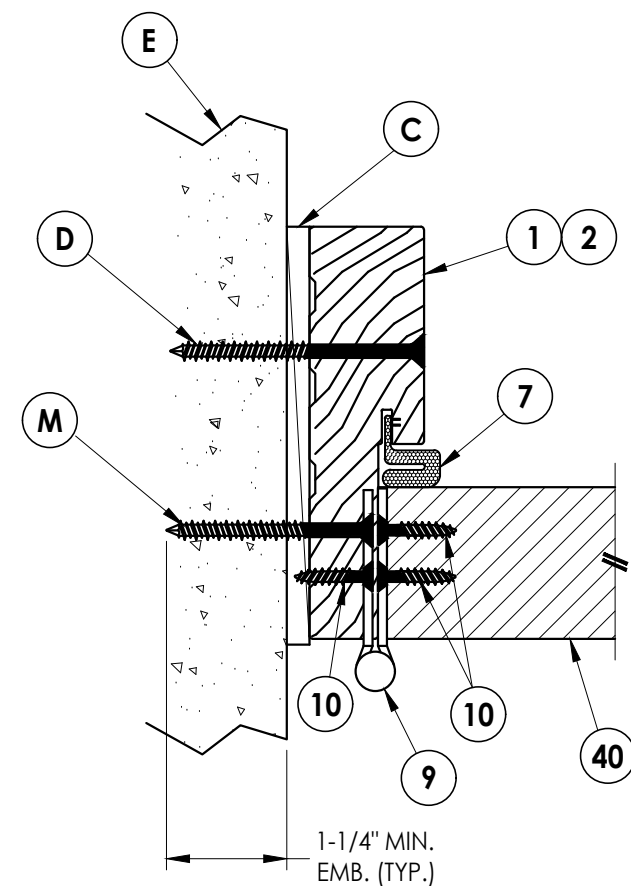


4 VERTICAL CROSS SECTION
8 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck

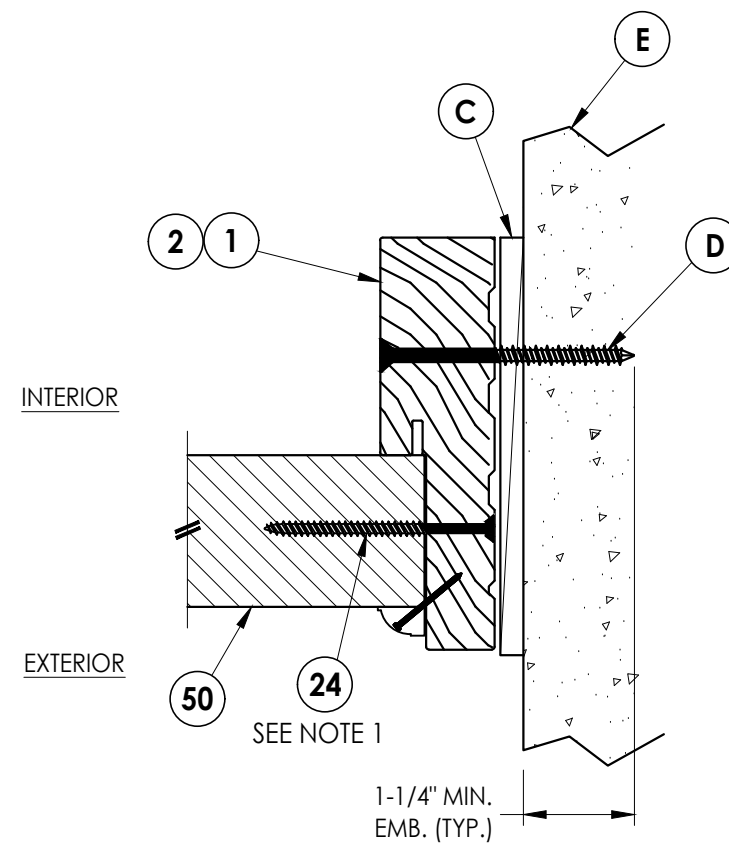
Notes:

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.

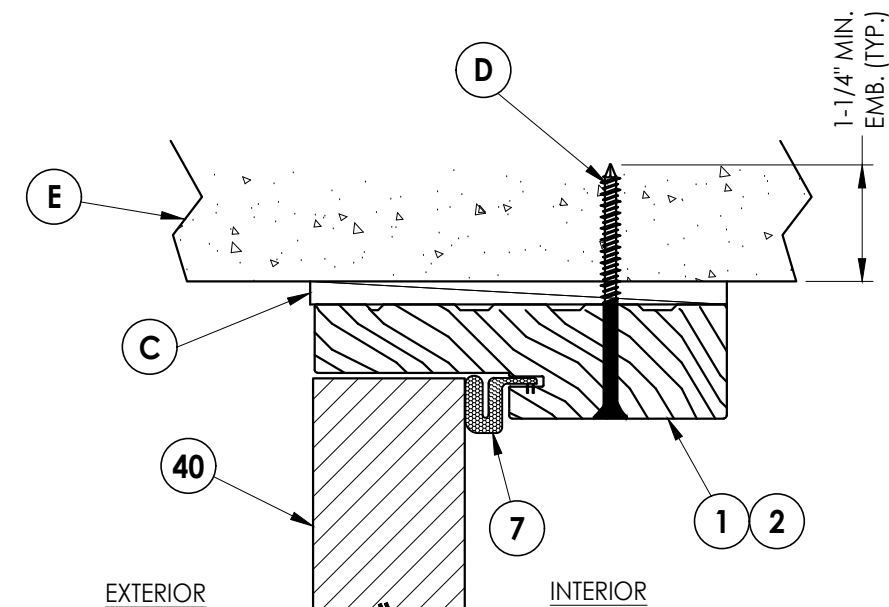
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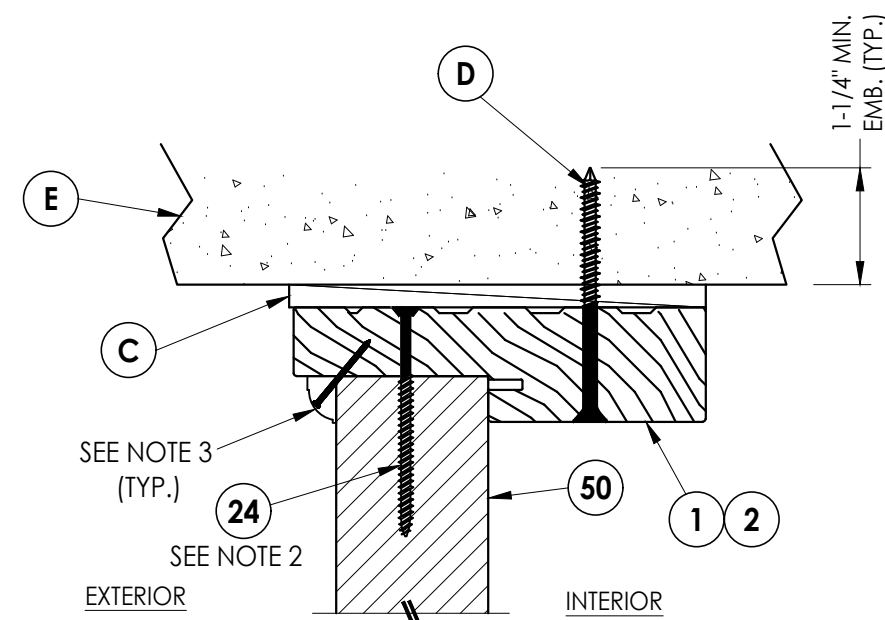
1 9 **HORIZONTAL CROSS SECTION** Outswing Shown (Inswing Similar) Shown Direct to Masonry



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



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



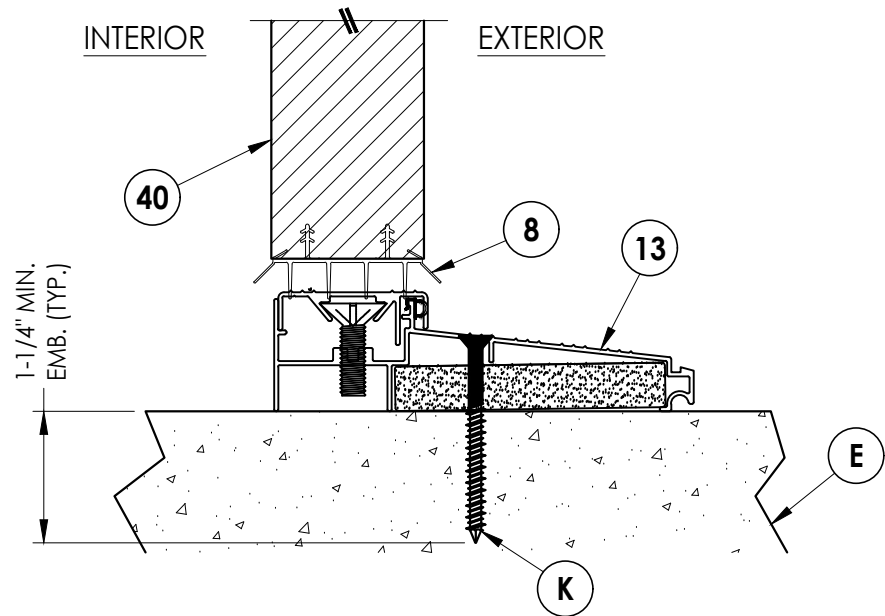
4 VERTICAL CROSS SECTION
9 Outswing Shown (Inswing Similar)
Shown Direct to Masonry

Notes:

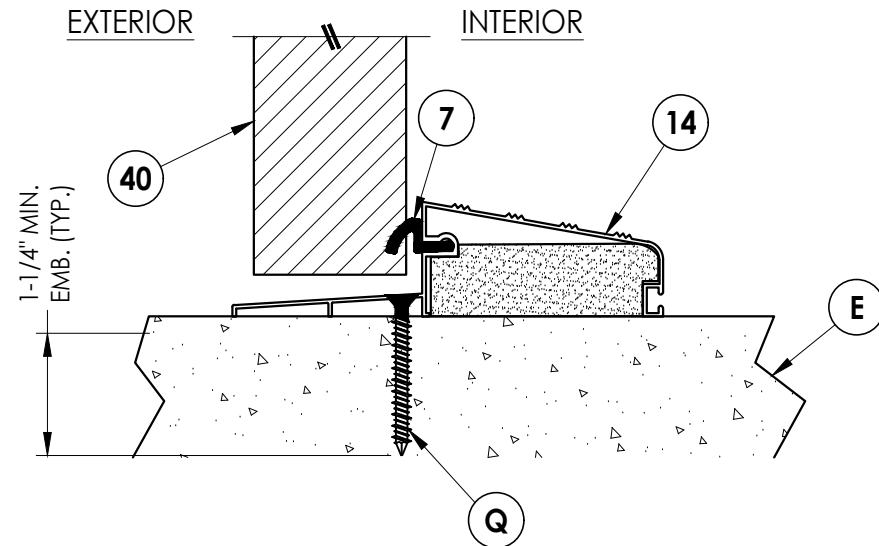
1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
3. PVC Moulding secured w/ 16 GA. X 1" brad nails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

[illegible]

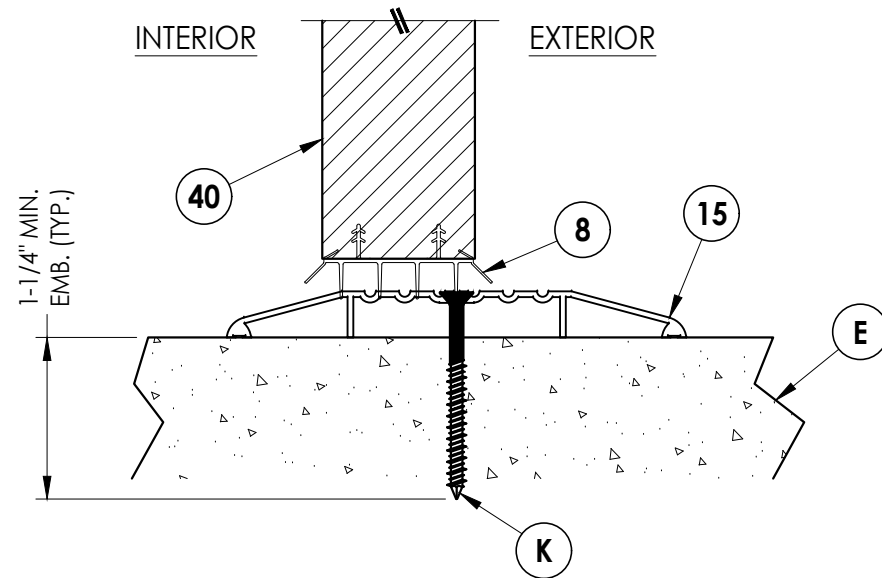
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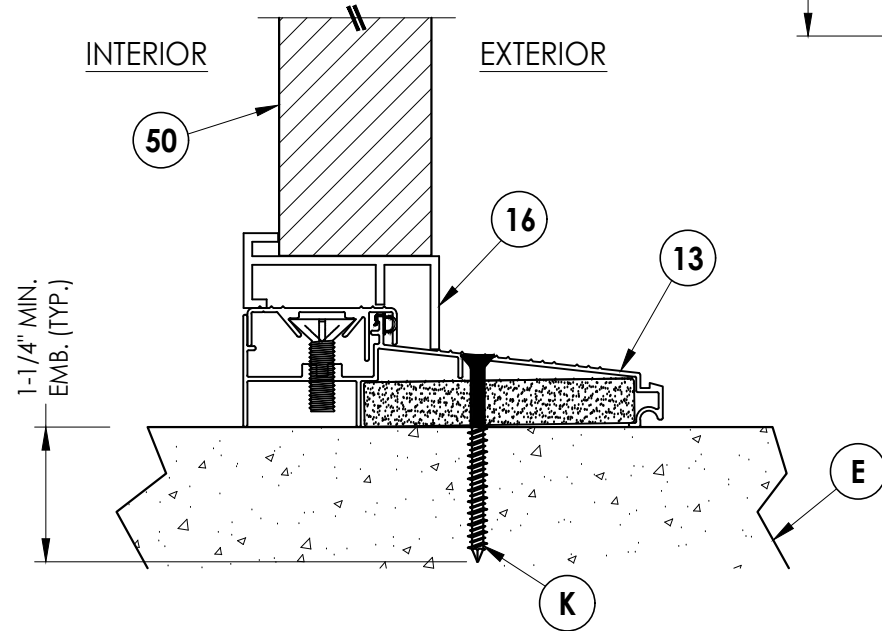
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10 **VERTICAL CROSS SECTION**
Inswing Threshold



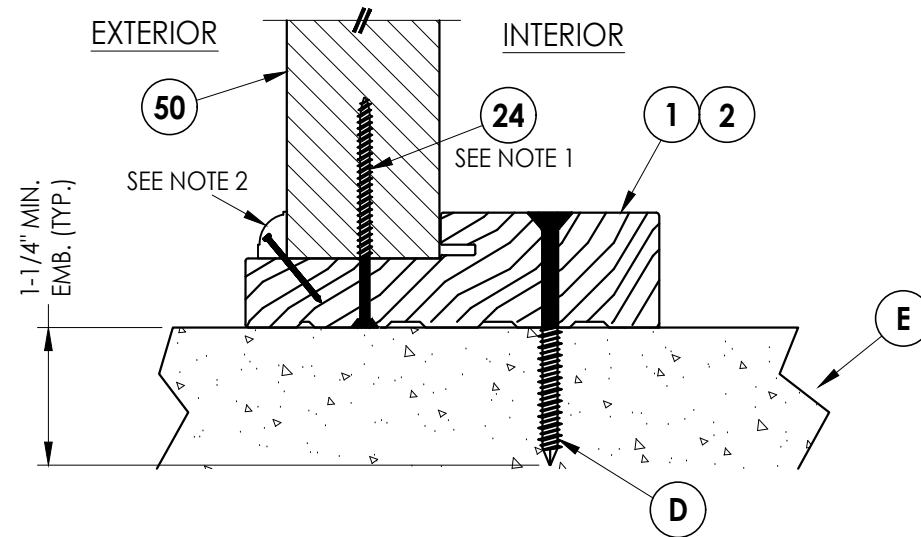
2
10 **VERTICAL CROSS SECTION**
Outswing Threshold



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:
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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: 4/02/25

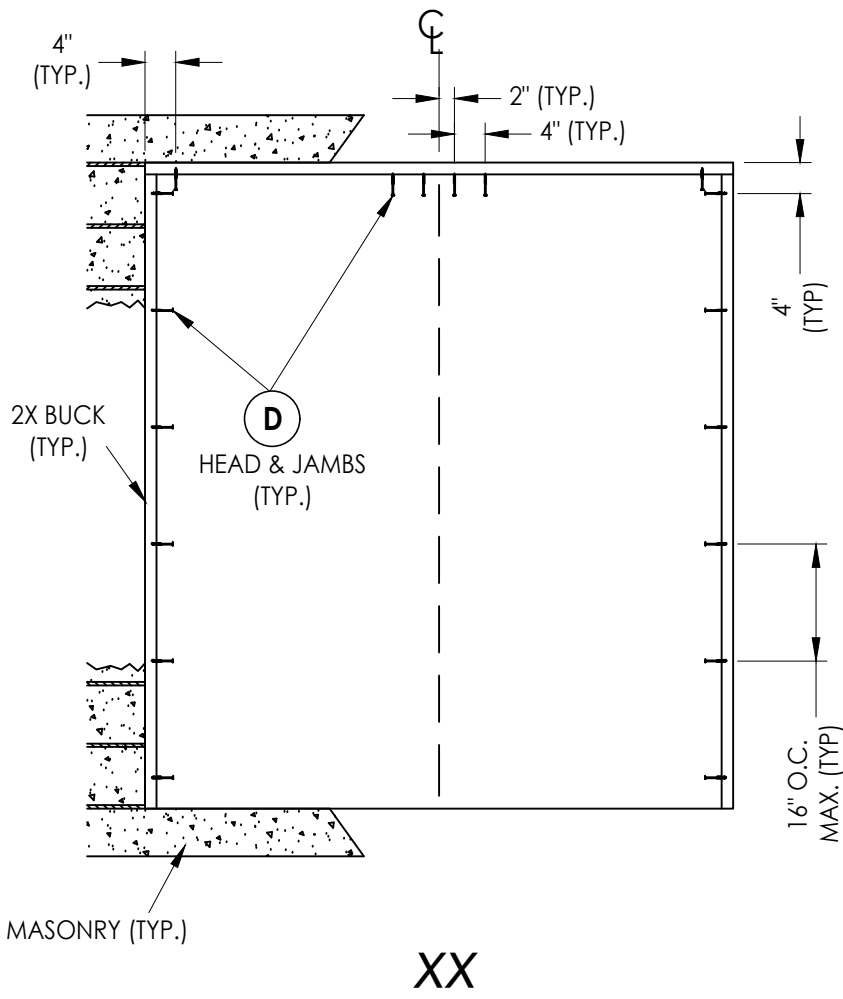
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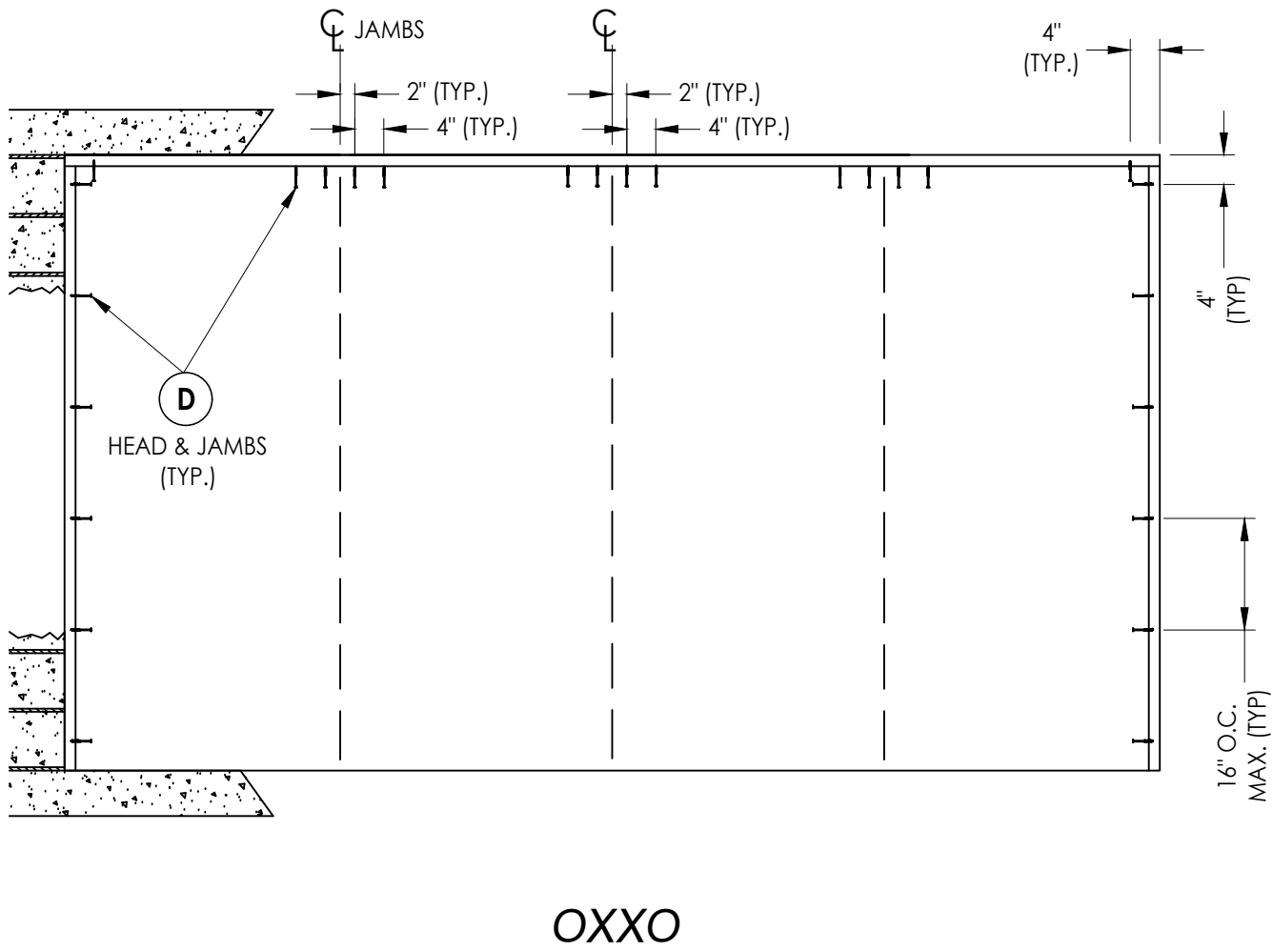
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DRAWING NO.: FL-46830.6

SHEET 10 OF 13

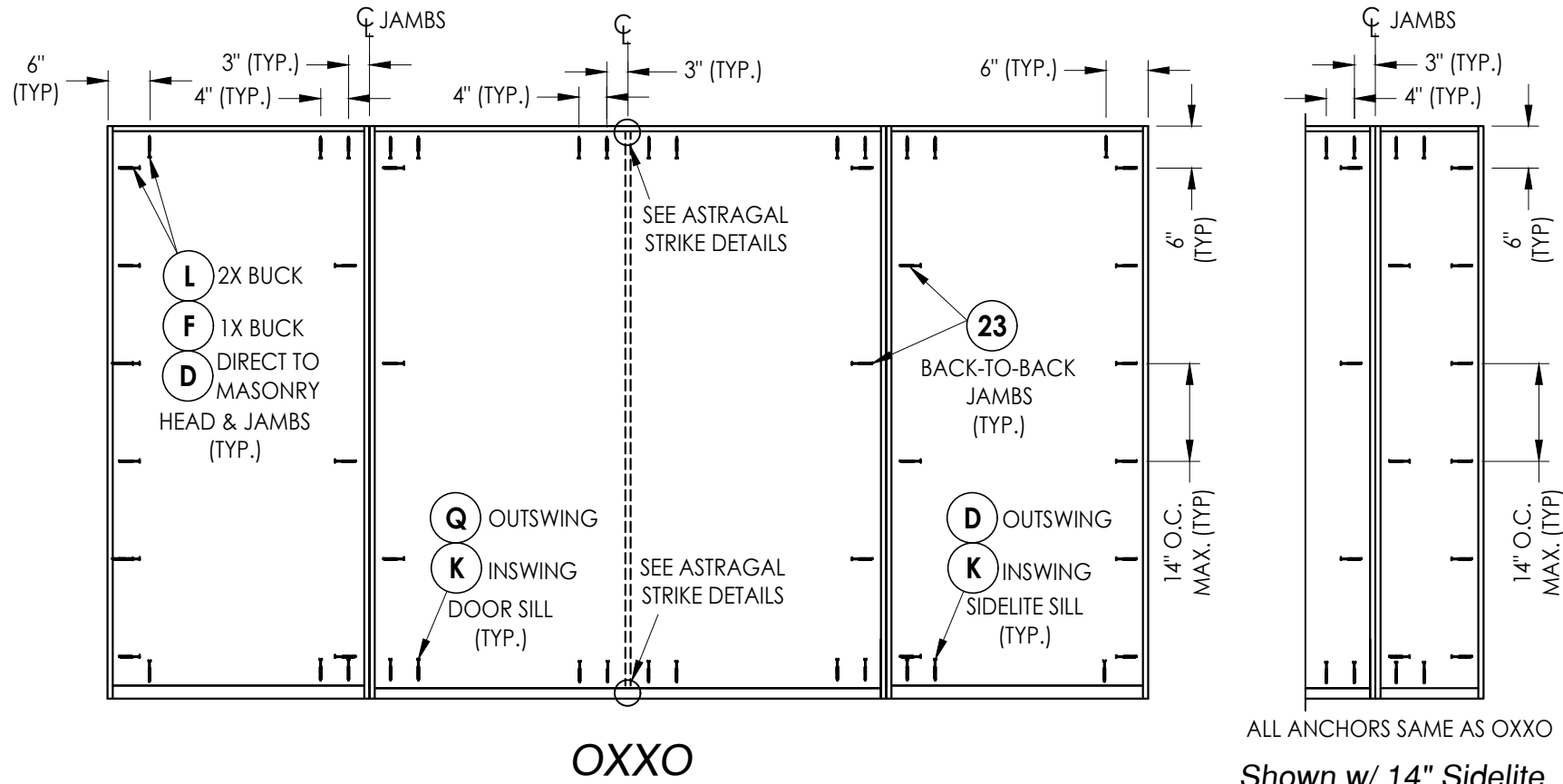
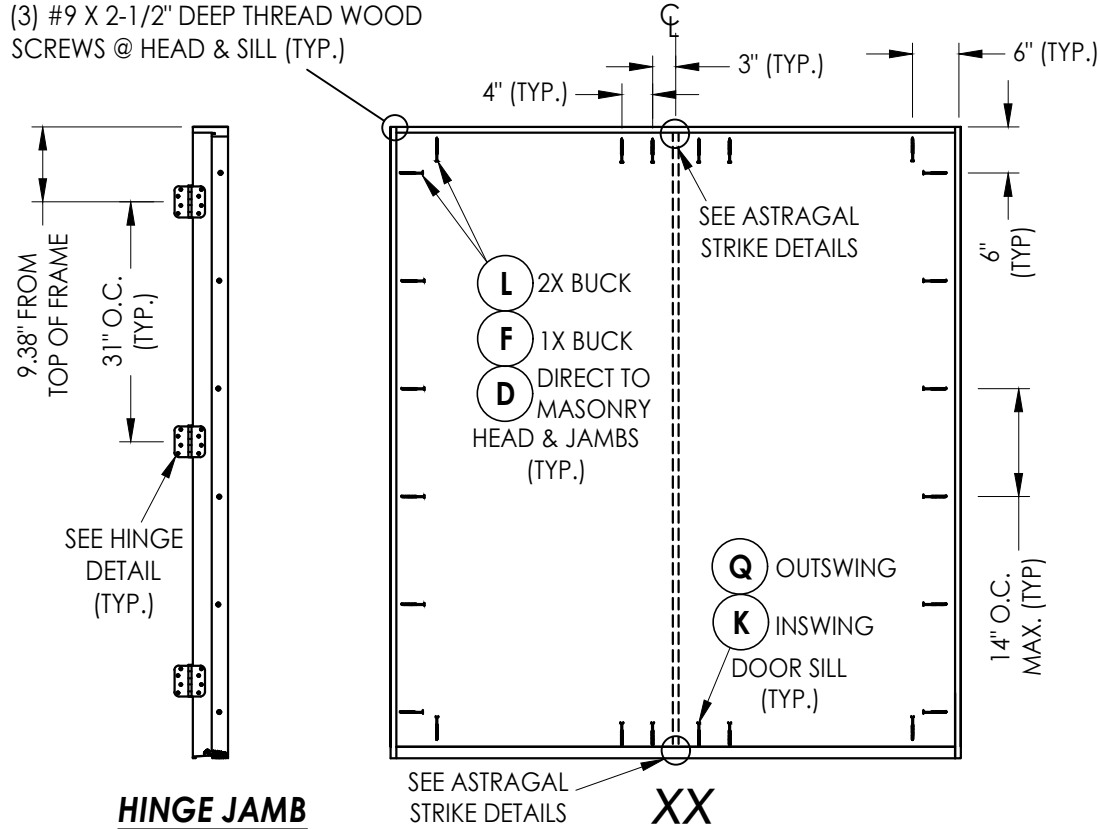


2X BUCK ANCHORING

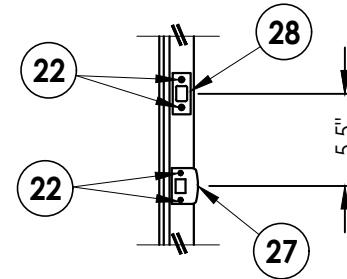
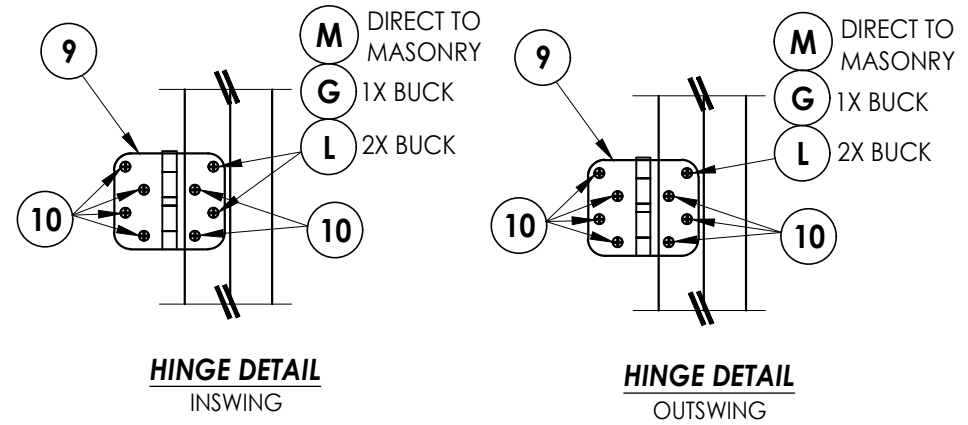
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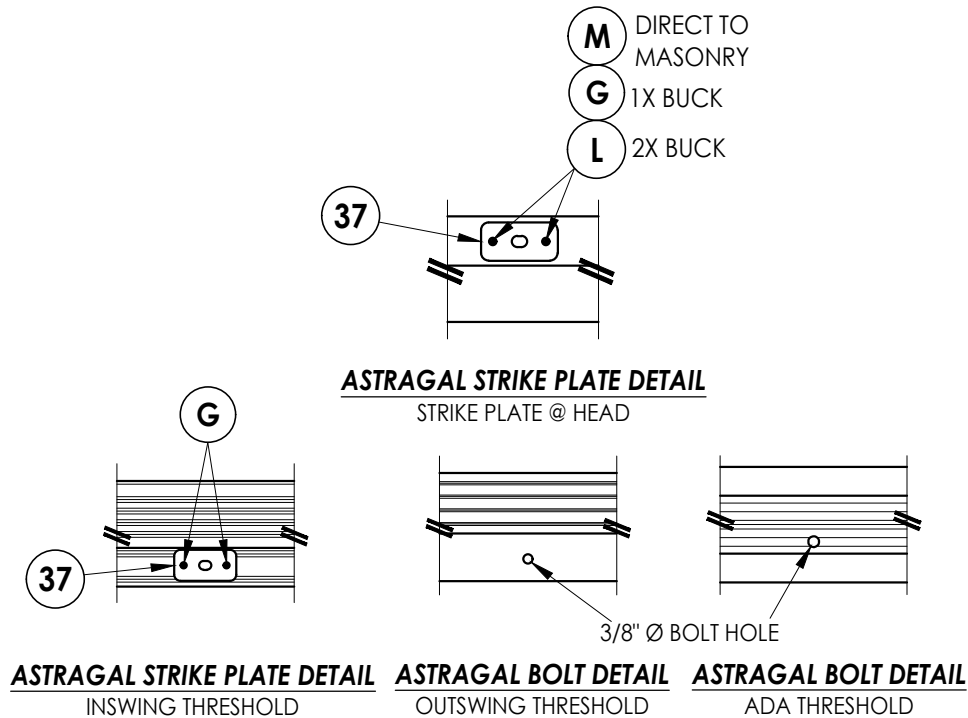
FRAME CORNERS ATTACHED w/
(3) #9 X 2-1/2" DEEP THREAD WOOD
SCREWS @ HEAD & SILL (TYP.)



FRAME ANCHORING



LATCH & DEADBOLT STRIKE PLATE DETAILS



HARDWARE DETAILS

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:
FRAME ANCHORING
& HARDWARE DETAILS

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

DATE: 4/02/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46830.6

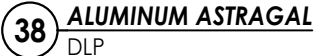
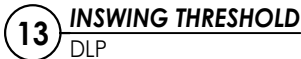
SHEET 12 OF 13

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
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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R ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

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