

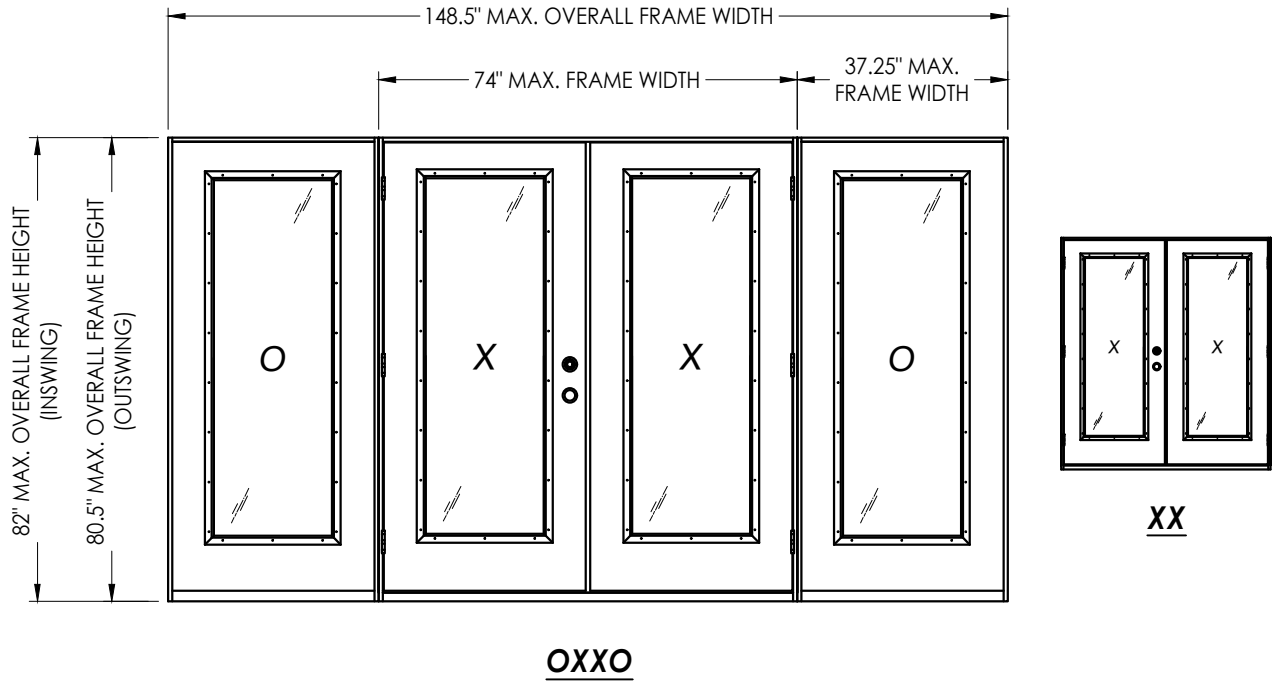
TRIMLITE

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

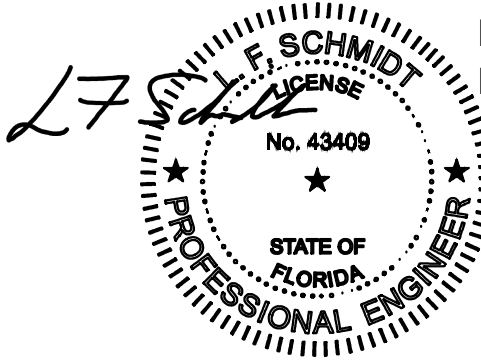
GENERAL NOTES

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 of the FBC.
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.

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SHEET #	DESCRIPTION	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal & Vertical Cross Sections (1X Buck)
2	Door Panel Details	9	Horizontal & Vertical Cross Sections (Direct to Masonry)
3	Sidelite Panel Details	10	Vertical Cross Sections (Thresholds)
4	Lite Frame & Glazing Details	11	Buck Anchoring
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)		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

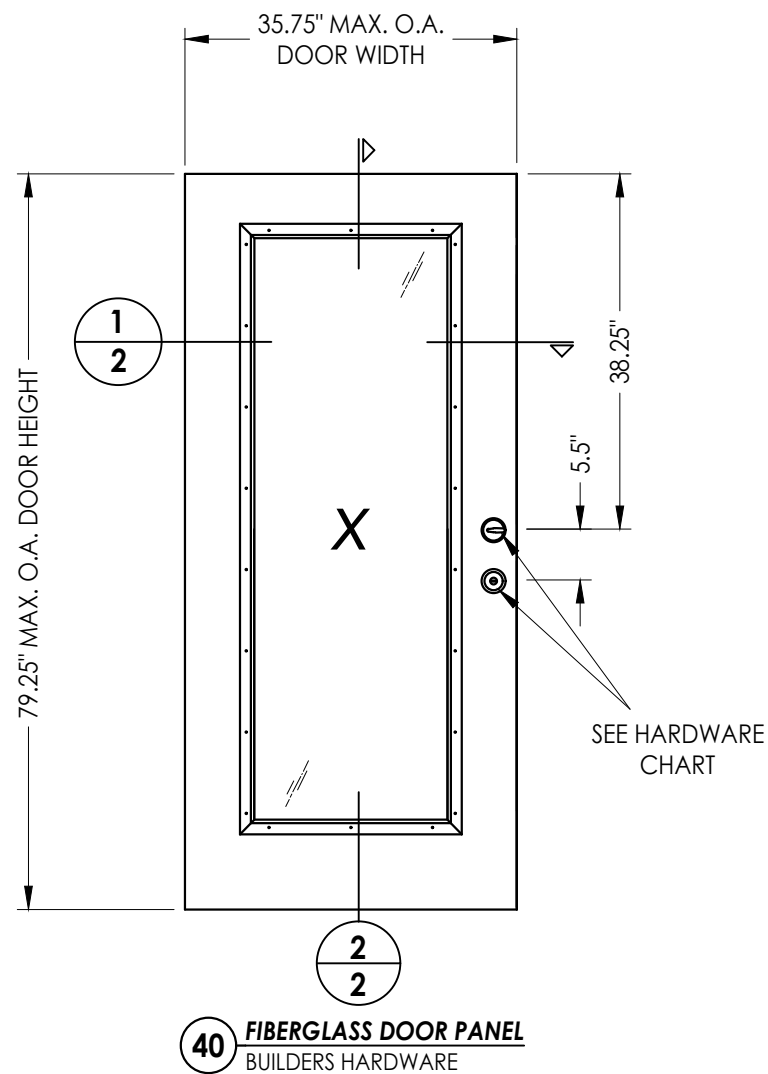
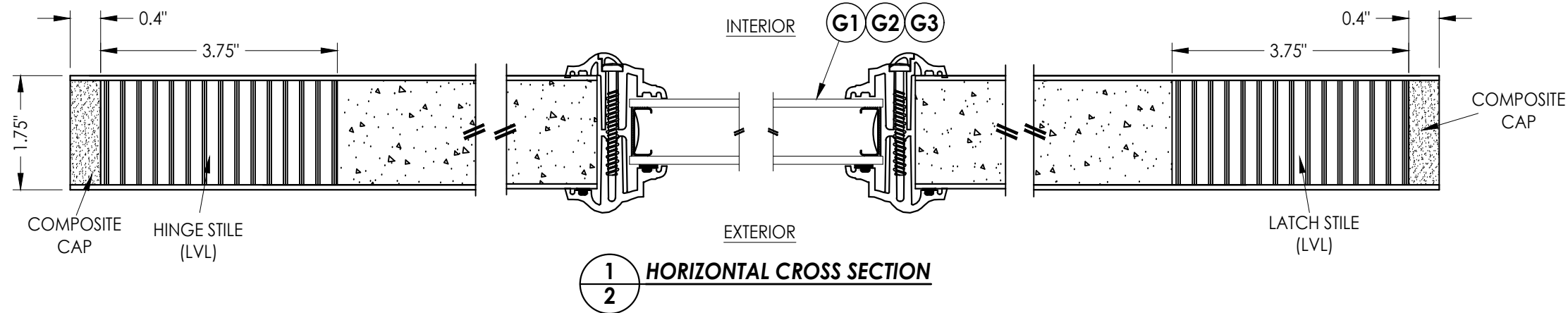


Digitally signed by
Lyndon F Schmidt
Date: 2025.04.23
7:20:26 -04'00'

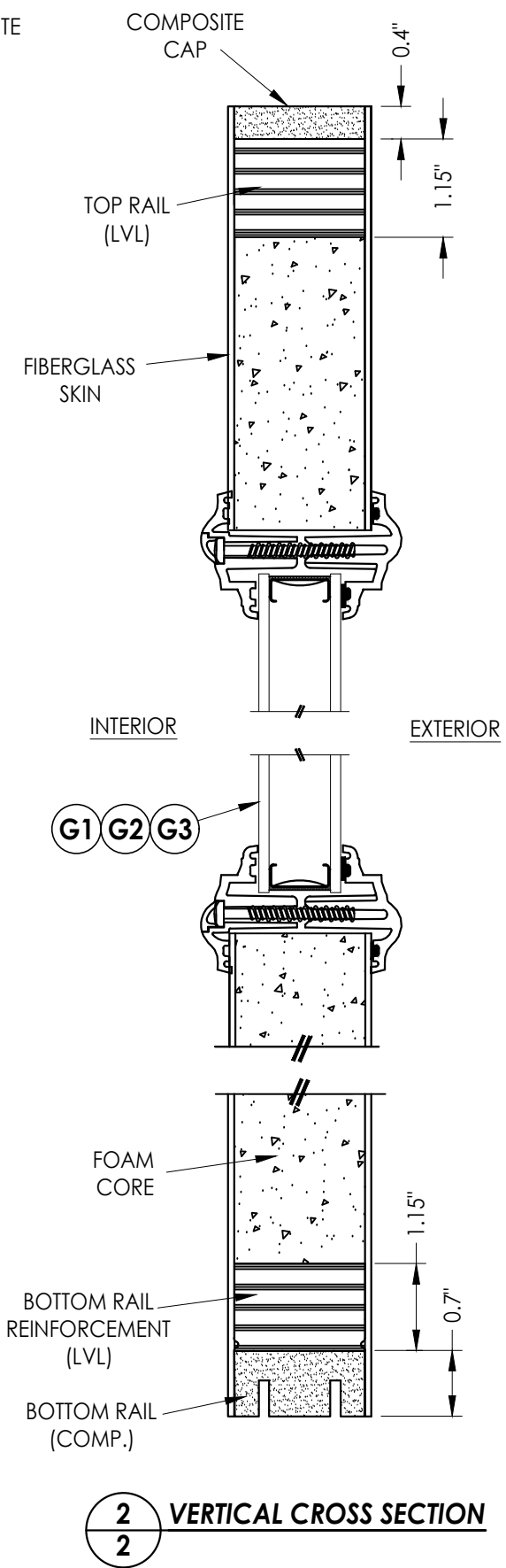
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

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



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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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:
DOOR
PANEL DETAILS

[illegible]

DATE: 6/20/24

SCALE: N.T.S.

DWG. BY: *LFS*

CHK. BY: *RW*

DRAWING NO.:

FL-46831.6



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

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 DOOR

PART OR ASSEMBLY:

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

DATE: 6/20/24

SCALE: *N.T.S.*

DWG. BY: *LFS*

CHK. BY: *RW*

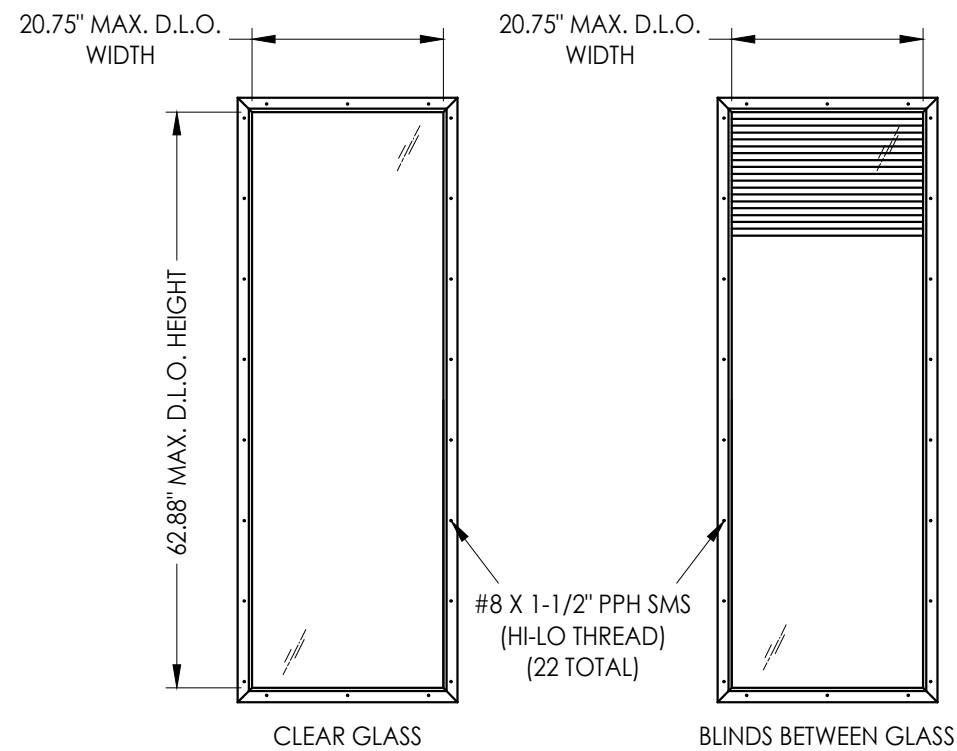
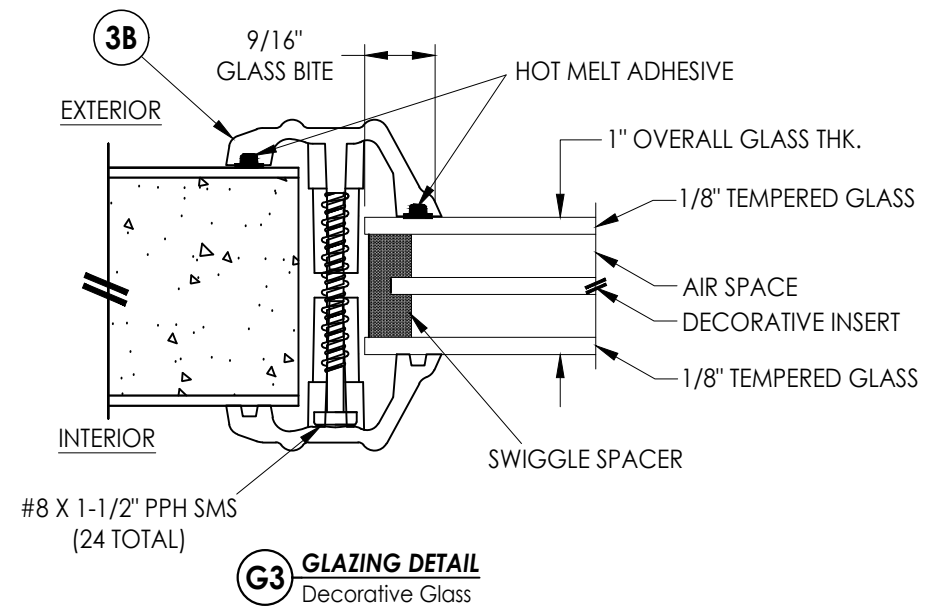
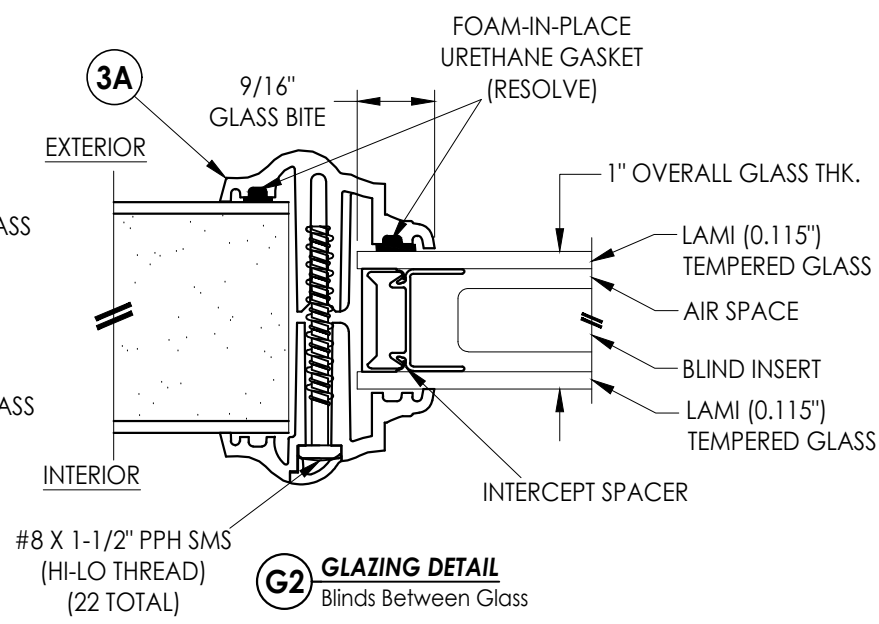
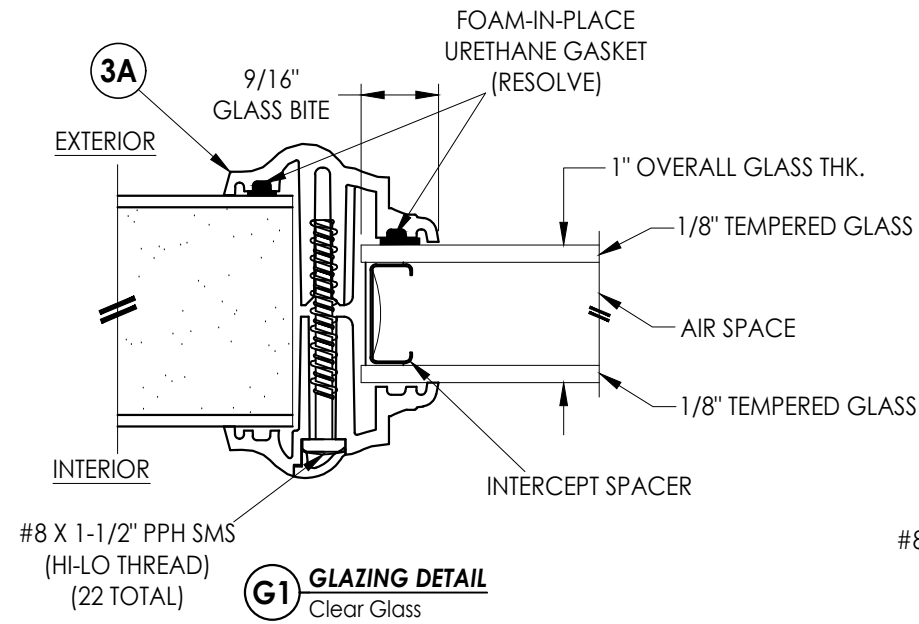
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FL-46831.6

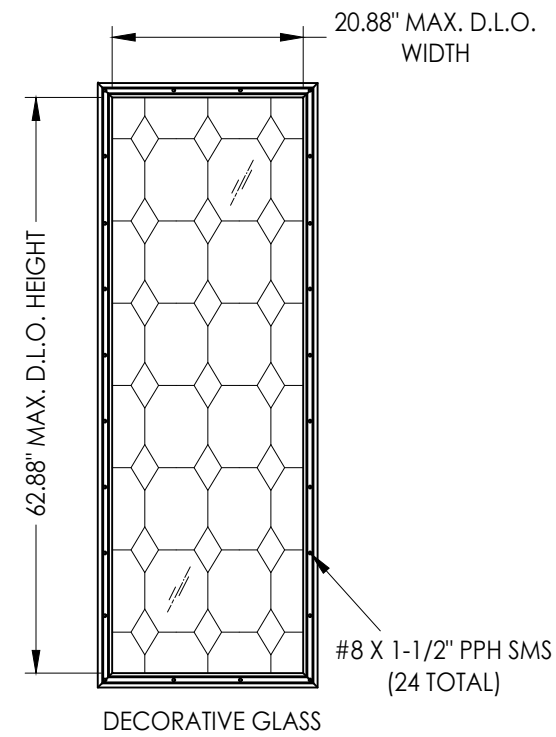
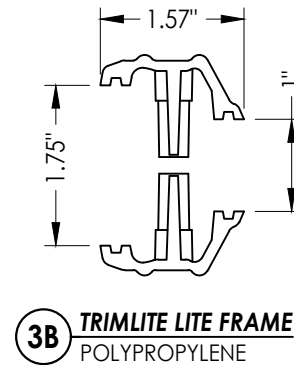
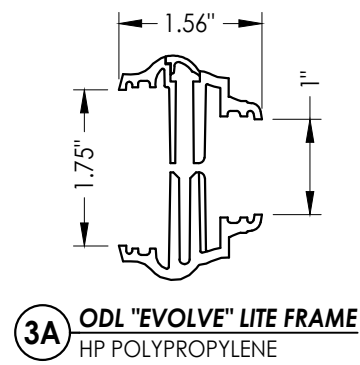
SHEET 3 OF 13

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OLD "EVOLVE" LITE FRAME



TRIMLITE LITE FRAME

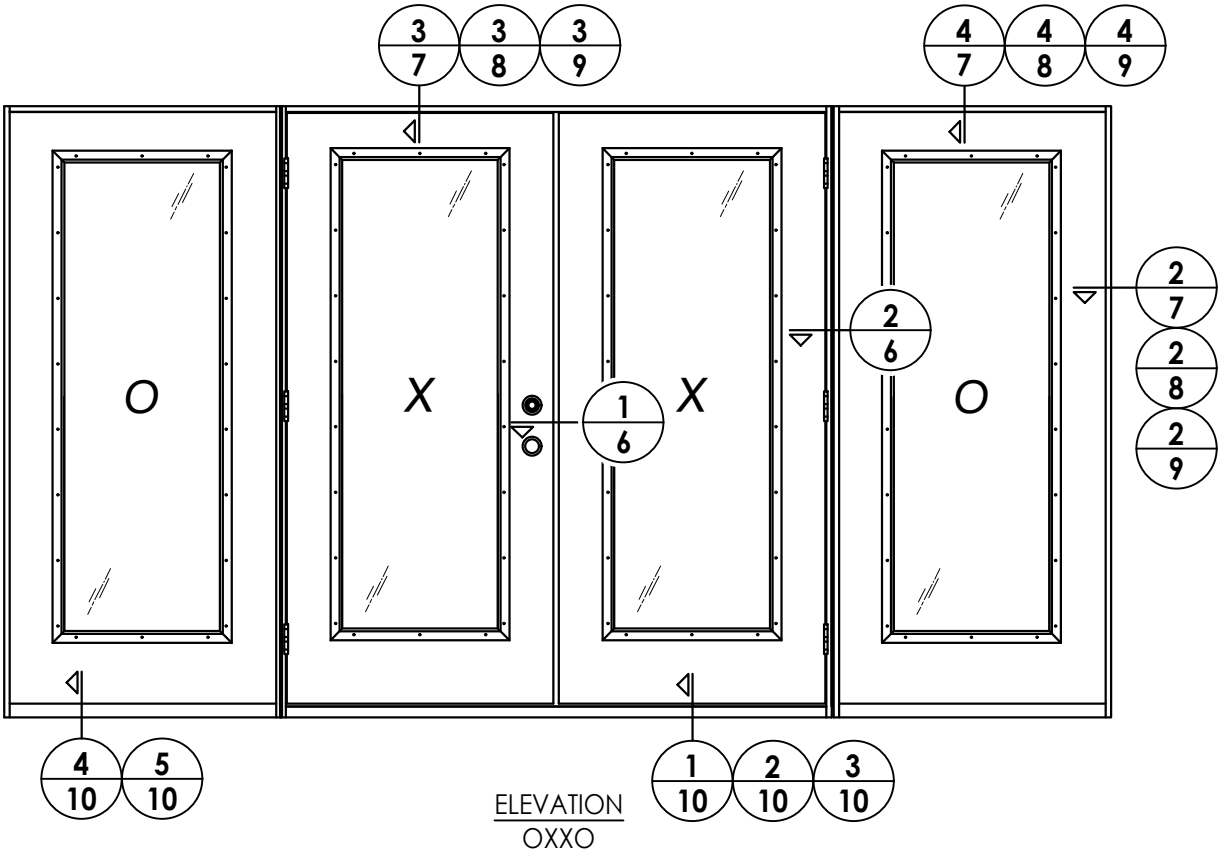
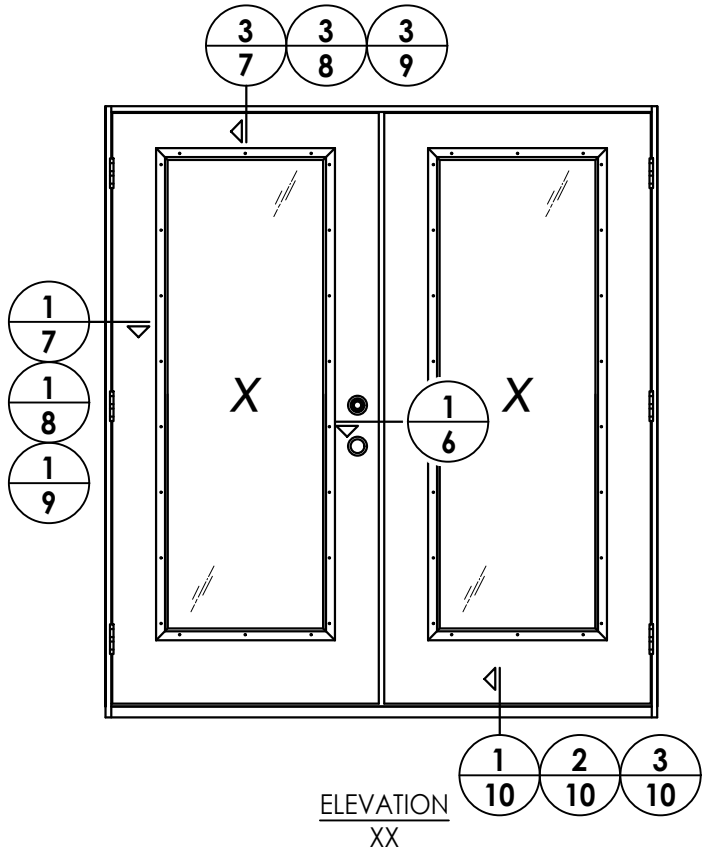
Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOORS
PART OR ASSEMBLY: LITE FRAME
& GLAZING DETAILS

NO.	DATE	REVISIONS	BY	LFS
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-46831.6
SHEET 4 OF 13



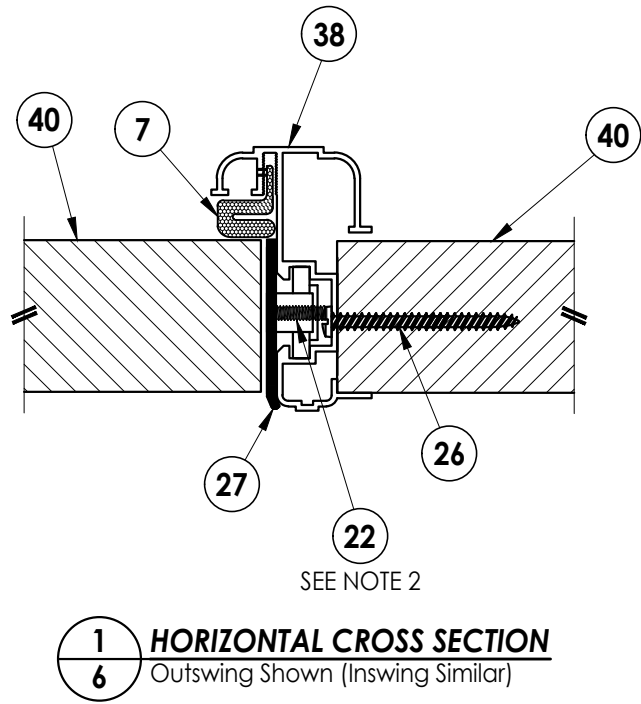
DATE: 6/20/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46831.6
SHEET 5 OF 13

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

PRODUCT:	TRIMLITE FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

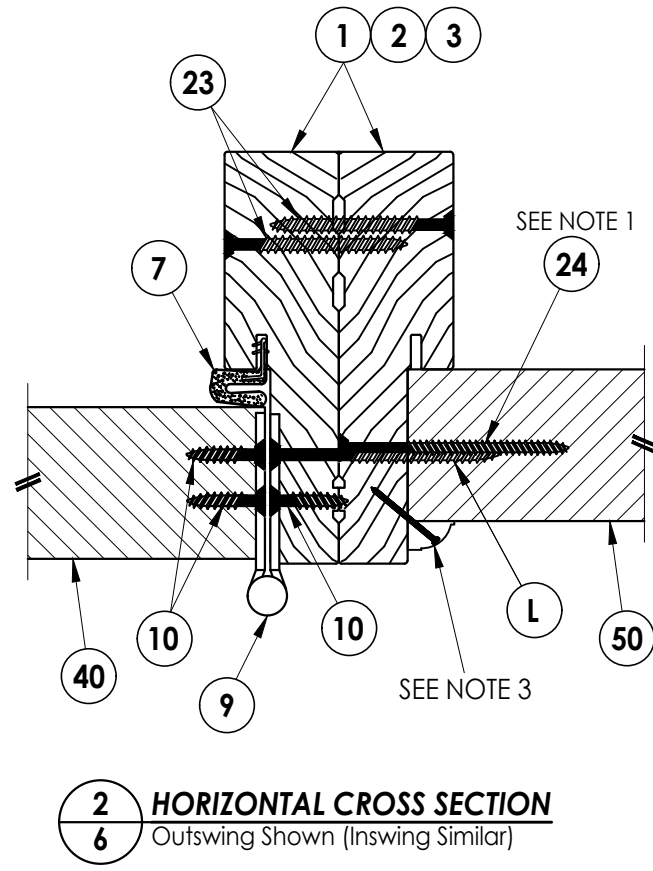
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813



INTERIOR

EXTERIOR



DATE: 6/20/24

SCALE: N.T.S.

DWG. BY: *LFS*

CHK. BY: *RW*

DRAWING NO.:
FL-46831.6

SHEET 6 OF 13

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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 CROSS SECTIONS

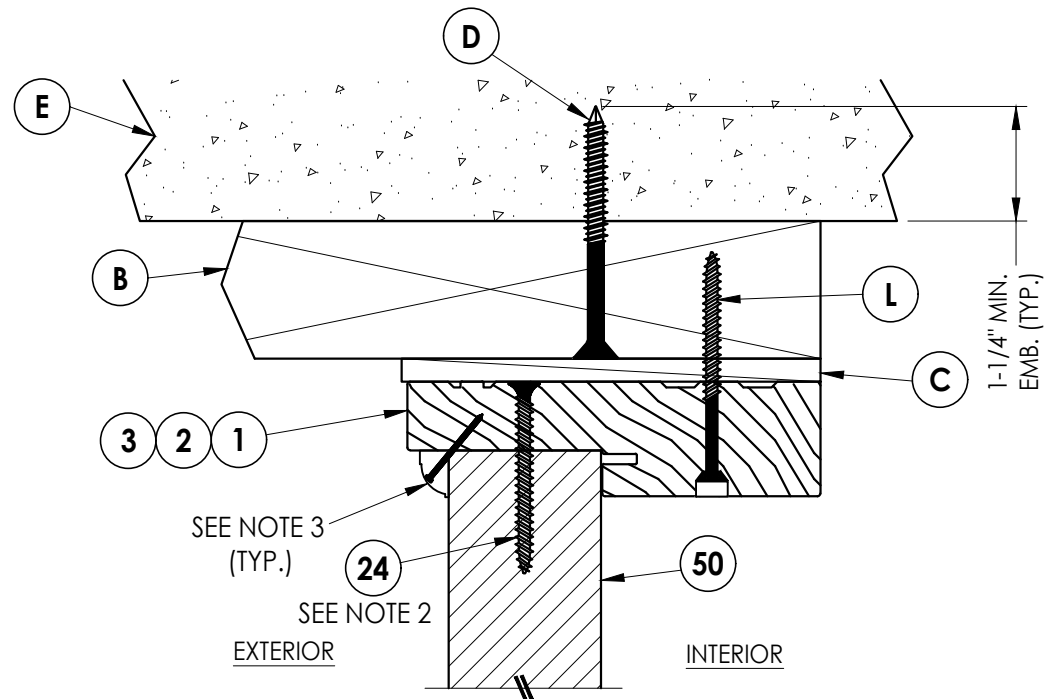
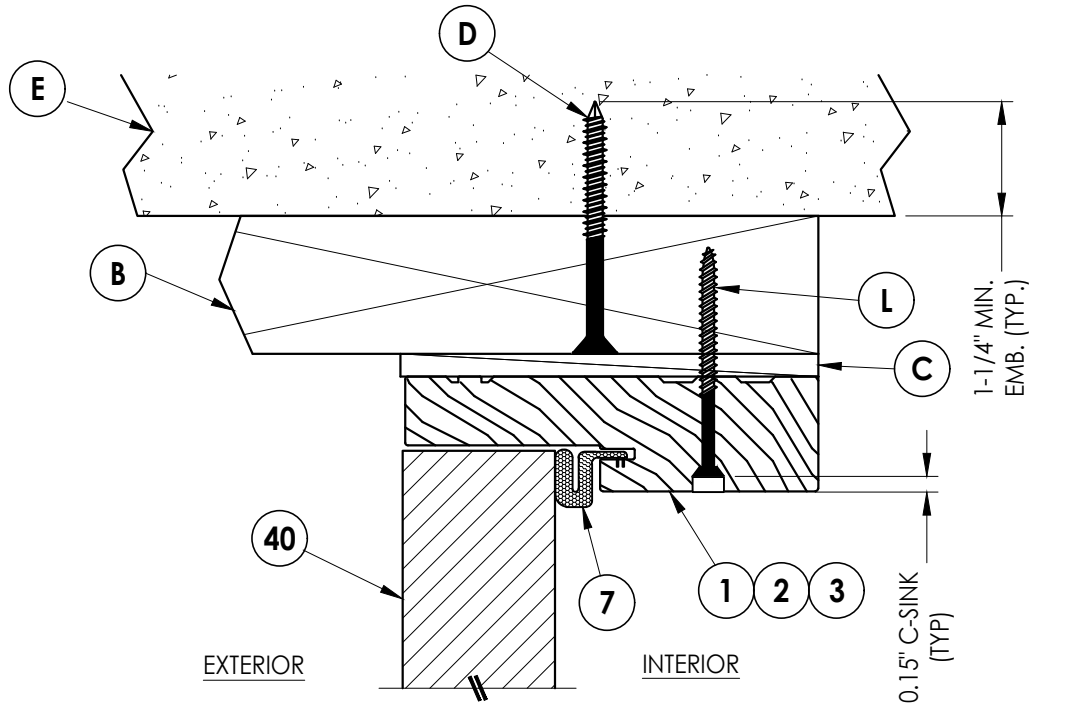
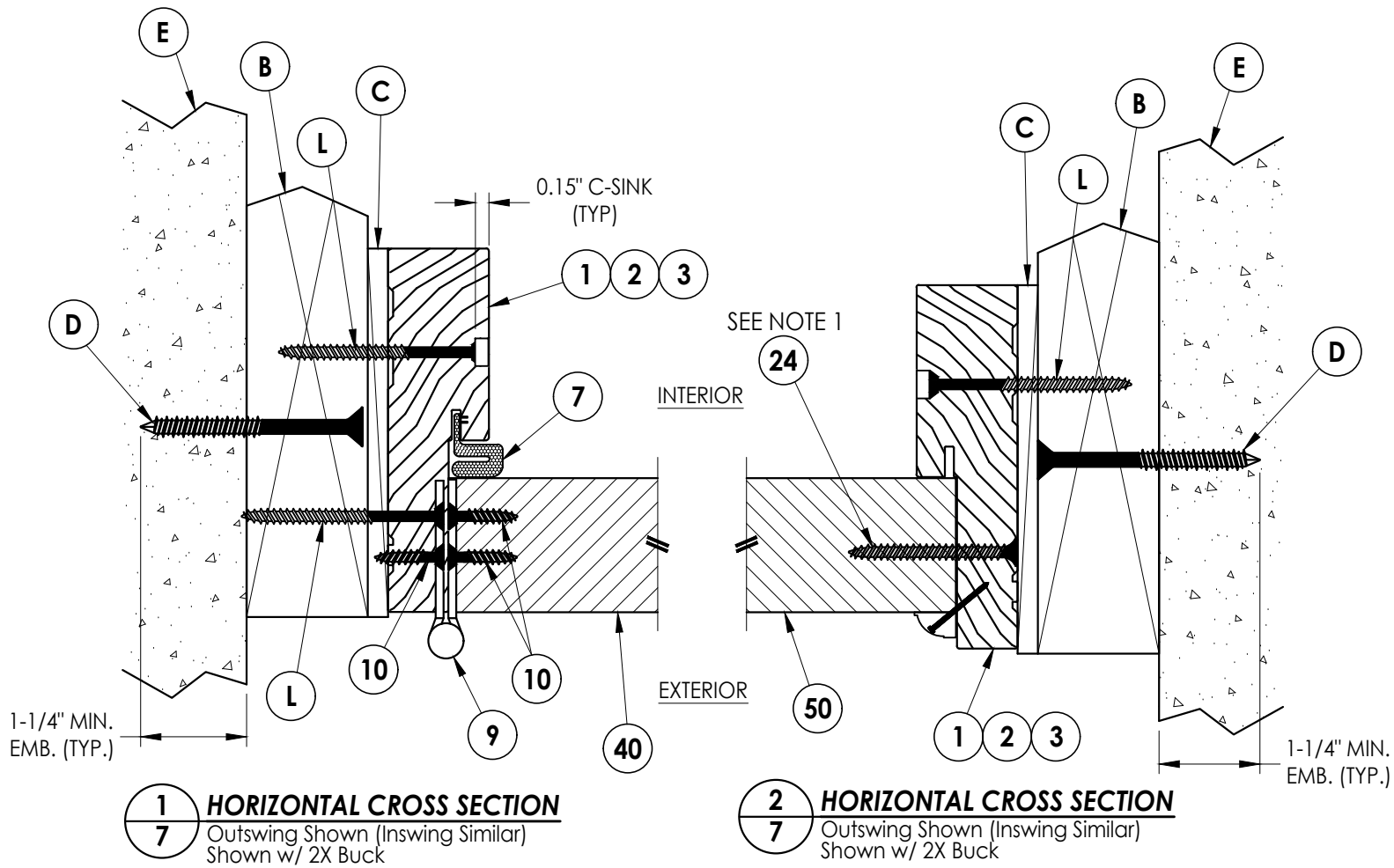
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Notes:

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:
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RW BUILDING CONSULTANTS, INC.
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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	4/21/25	REVISE FOR NEW TESTING	LFS

DATE: 6/20/24

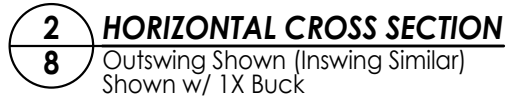
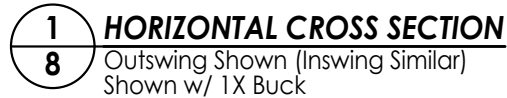
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DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46831.6

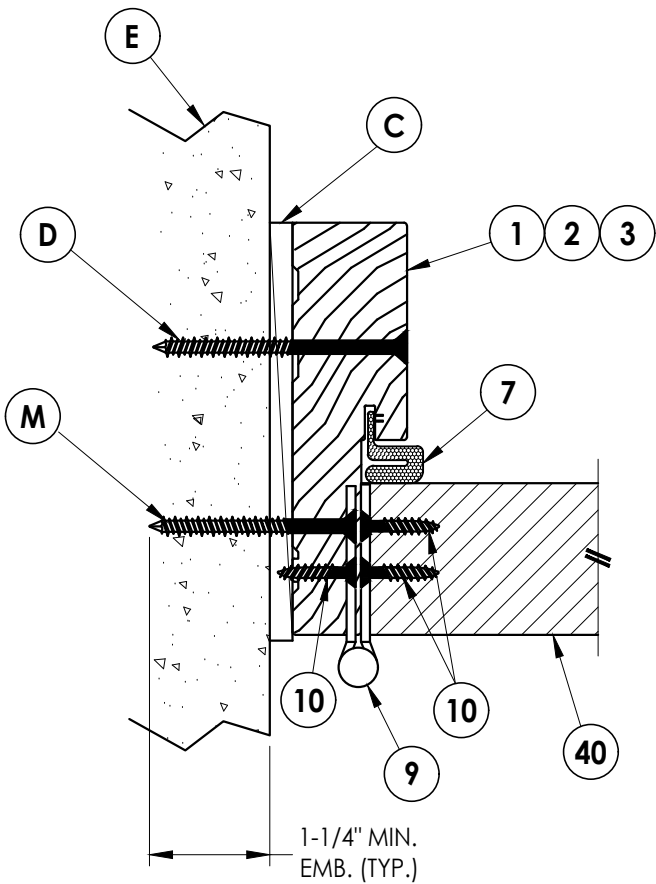
SHEET 7 OF 13



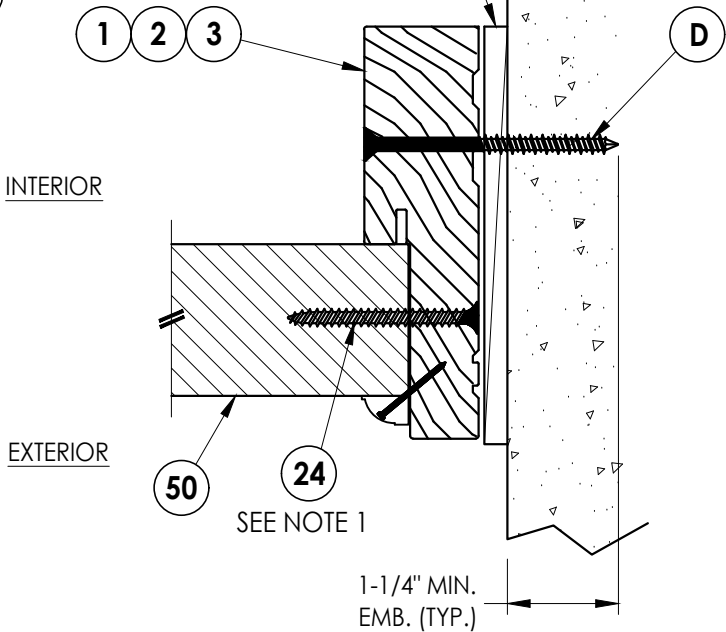
1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
3. PVC Moulding secured w/ 16 GA. X 1" brad nails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

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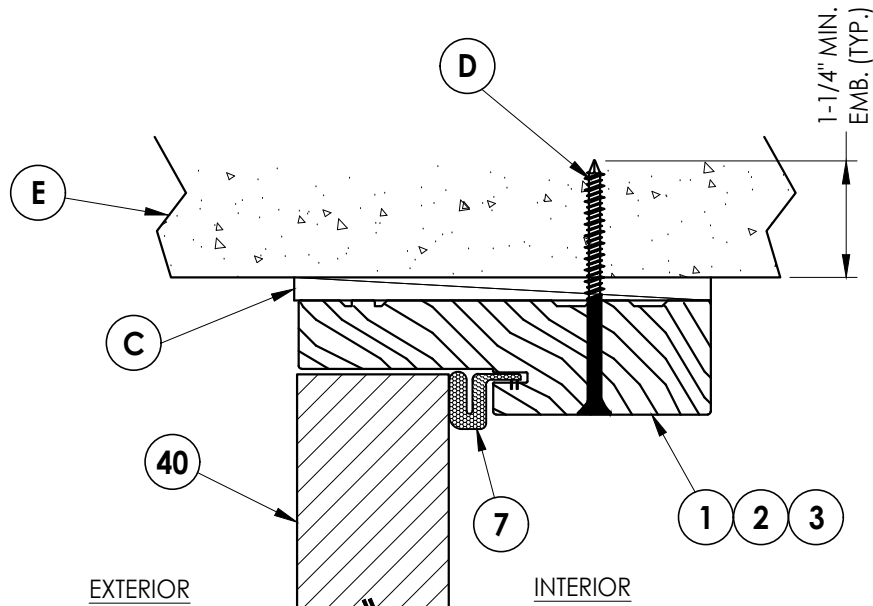
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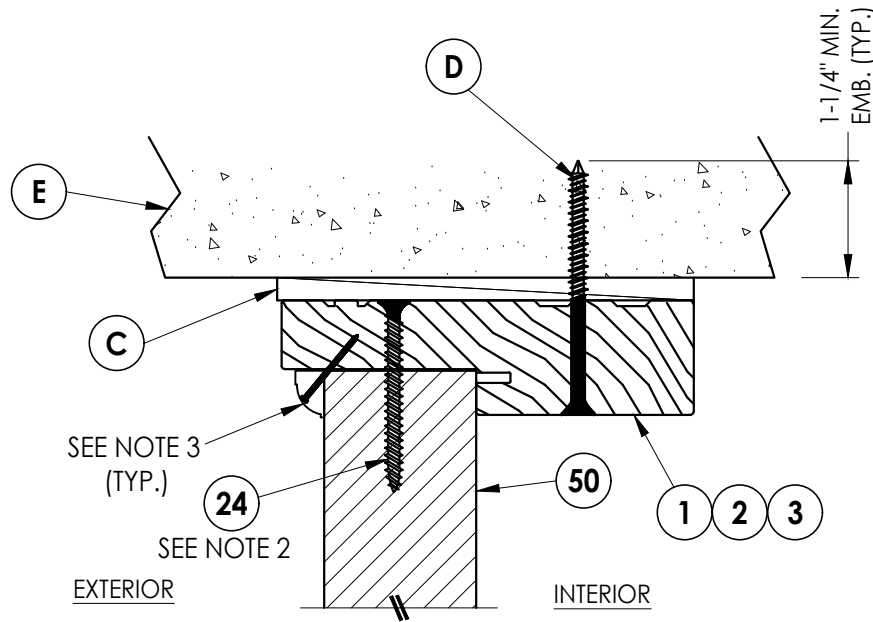
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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.

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P.E. No. 43409

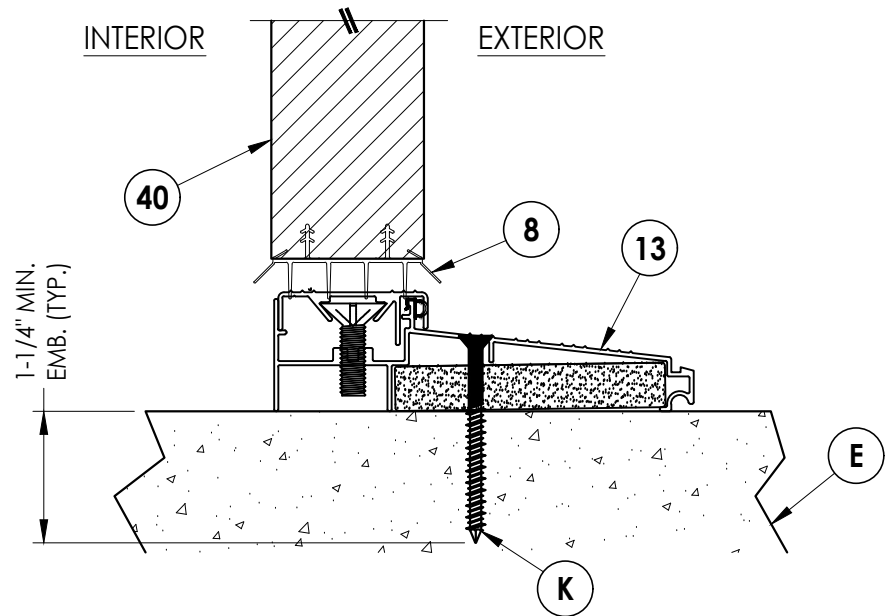
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	TRIMLITE FIBERGLASS DOOR
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

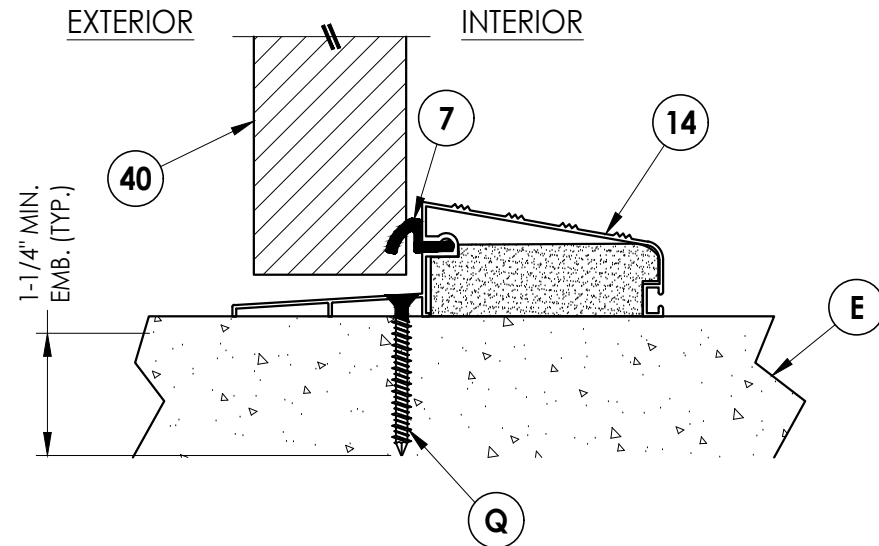
NO.	DATE	REVISIONS	LFS	BY
1	4/21/25	REVISE FOR NEW TESTING		

DATE:	6/20/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46831.6
SHEET	9 OF 13

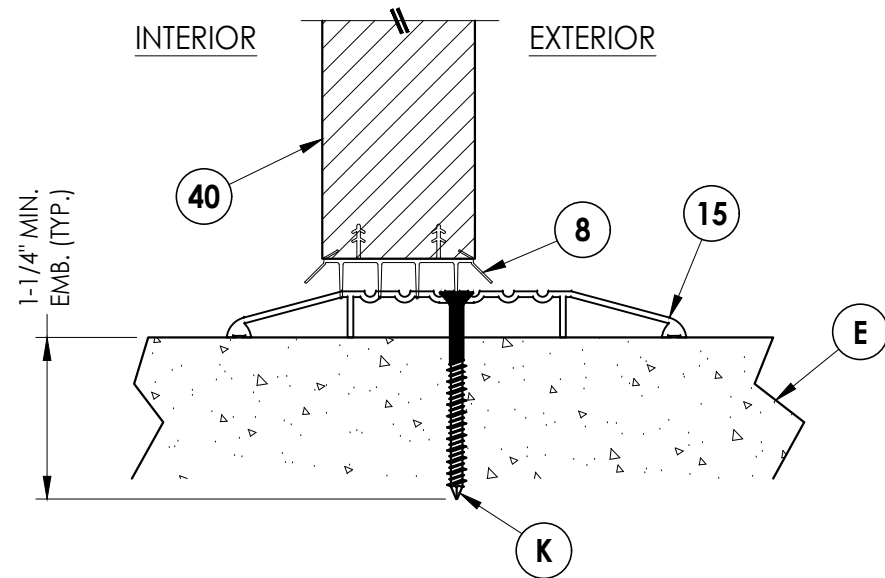
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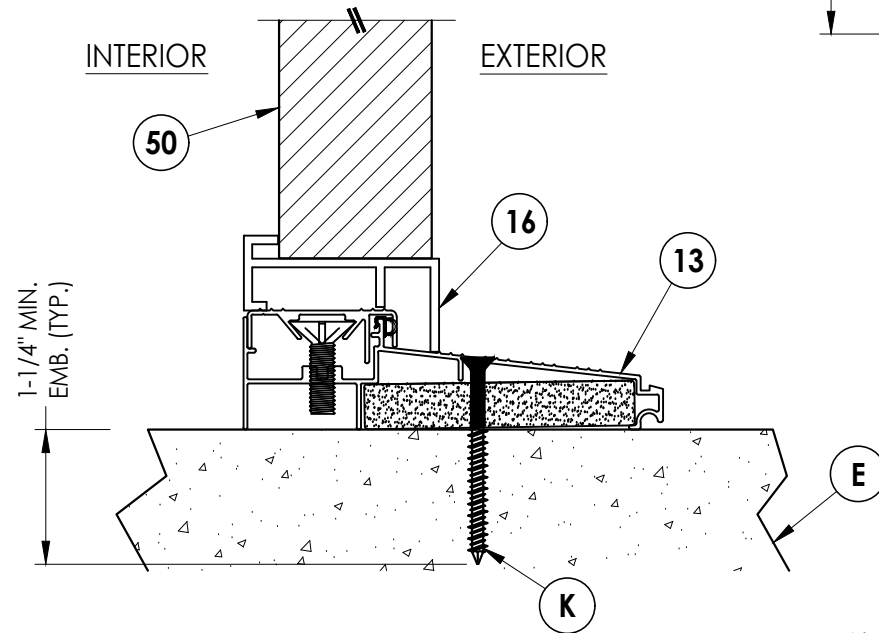
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10 **VERTICAL CROSS SECTION**
Inswing Threshold



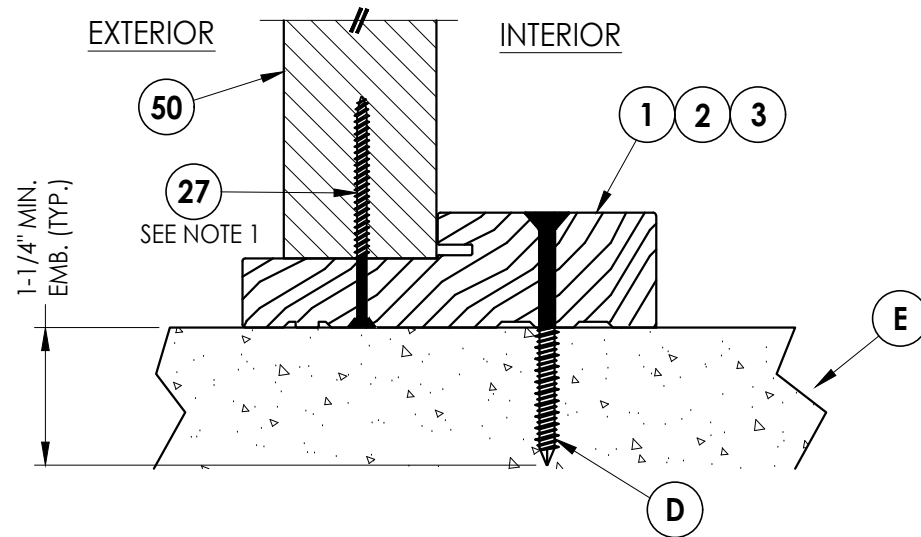
2
10 **VERTICAL CROSS SECTION**
Outswing Threshold



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:
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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	4/21/25	REVISE FOR NEW TESTING
LFS	BY	

DATE: 6/20/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46831.6

SHEET 10 OF 13

Technical drawing of a window or door assembly. The drawing includes a cross-section view on the left and an elevation view on the right.

Cross-section View (Left):

- Shows the assembly of the head and jamb.
- Labels: "HEAD & JAMBS (TYP.)" and "D" (indicating a detail callout).
- Dimensions: "2" (TYP.)" and "4" (TYP.)" are shown for the head and jamb thicknesses.

Elevation View (Right):

- Shows the overall dimensions of the assembly.
- Labels: "JAMBS" and "4" (TYP.)" are shown for the jamb thickness.
- Dimensions: "4" (TYP.)" is shown for the head thickness, and "16" O.C. MAX. (TYP)" is shown for the maximum opening height.

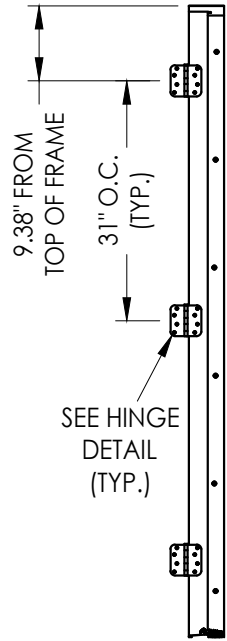
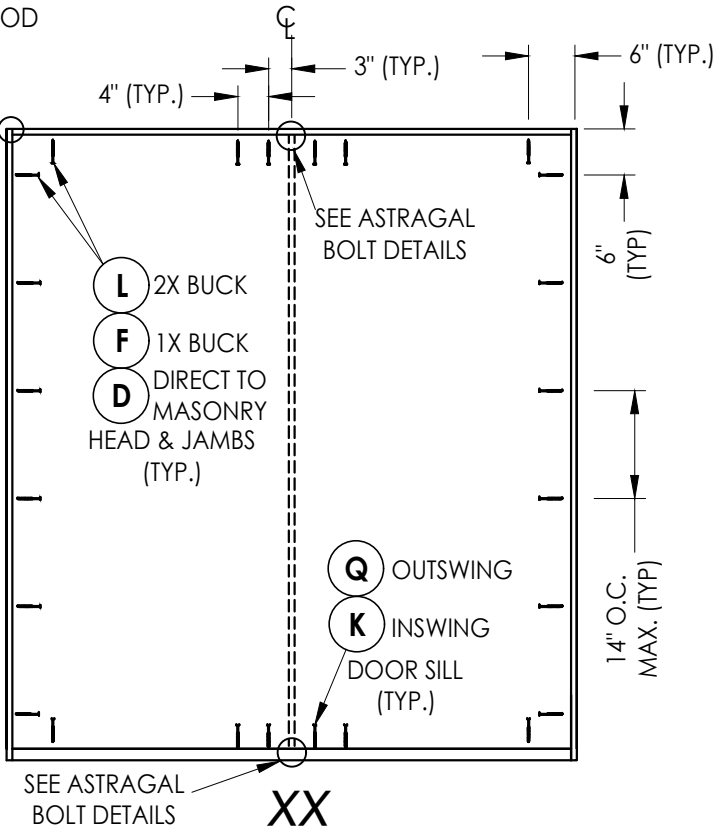
Notes:

- "2" (TYP.)" and "4" (TYP.)" are shown for the head and jamb thicknesses.
- "4" (TYP.)" is shown for the head thickness.
- "16" O.C. MAX. (TYP)" is shown for the maximum opening height.

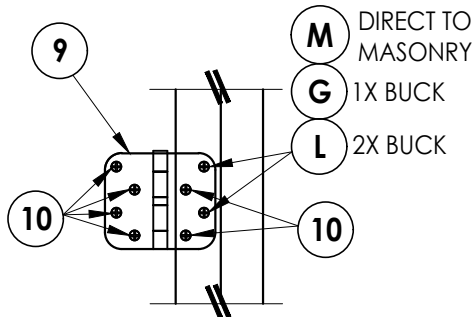
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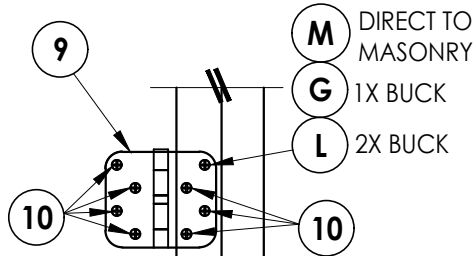
FRAME CORNERS ATTACHED w/
(3) #9 X 2-1/2" DEEP THREAD WOOD
SCREWS @ HEAD & SILL (TYP.)



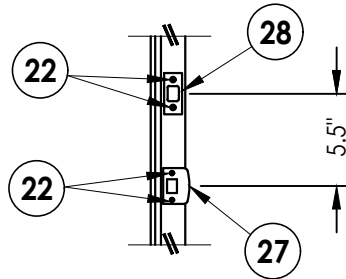
HINGE JAMB



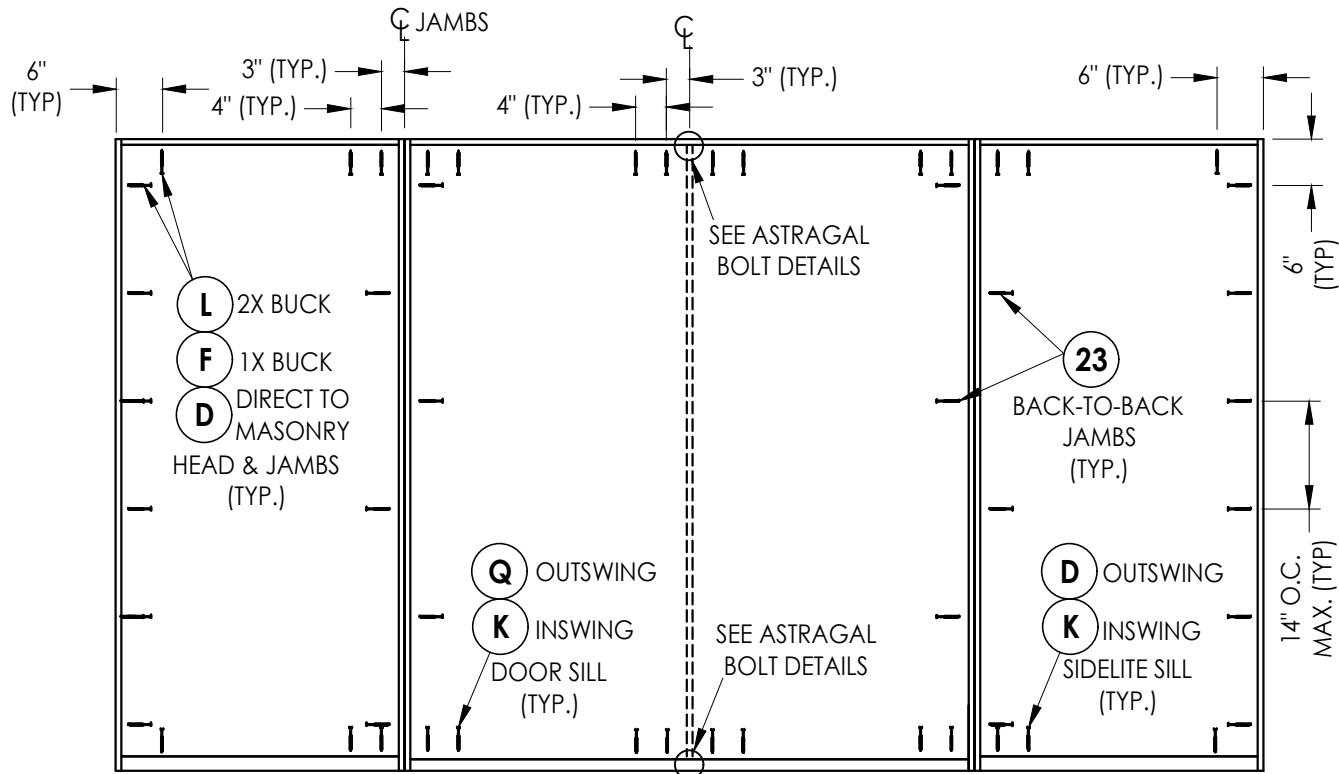
HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING

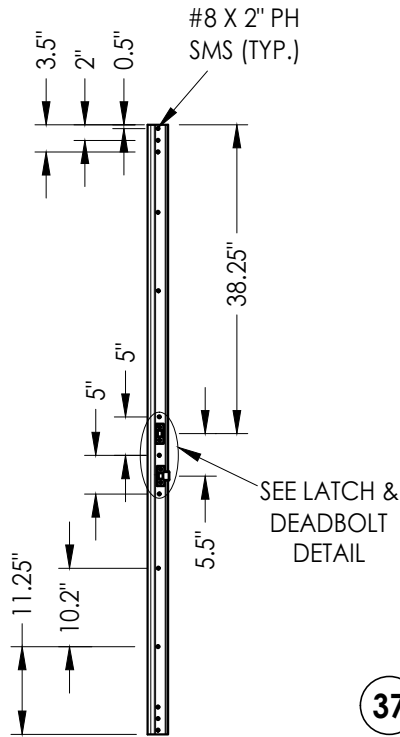


LATCH & DEADBOLT STRIKE PLATE DETAILS

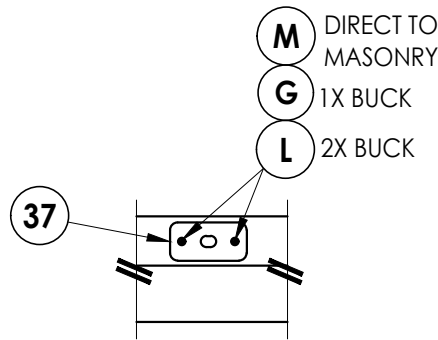


OXXO

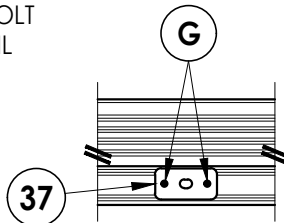
FRAME ANCHORING



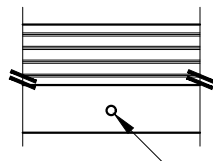
ASTRAGAL



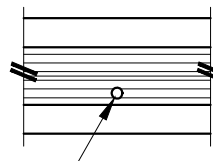
ASTRAGAL BOLT DETAIL
STRIKE PLATE @ HEAD



ASTRAGAL BOLT DETAIL
INSWING THRESHOLD



ASTRAGAL BOLT DETAIL
OUTSWING THRESHOLD



ASTRAGAL BOLT DETAIL
ADA THRESHOLD

HARDWARE DETAILS

Documents Prepared By:
Lyndon F. Schmidt
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 DOOR

PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

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

DATE: 6/20/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46831.6

SHEET 12 OF 13

Z:\2023 FBC Drawings\Trimlite\FL-46831\FL-46831.6.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
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
16	INSWING SIDELITE ADAPTER	PVC
22	#8 X 5/8" FH MACHINE SCREW	STEEL
23	#8 X 2" FH SMS	STEEL
24	#7 X 2" COURSE THREAD DRYWALL 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	-

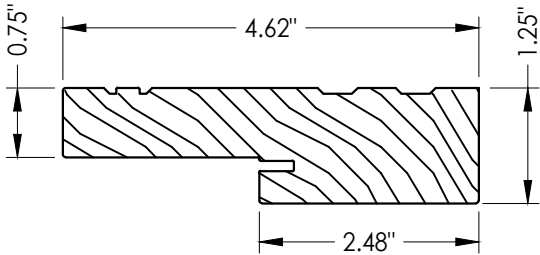
CONCRETE ANCHOR NOTES:

- 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:

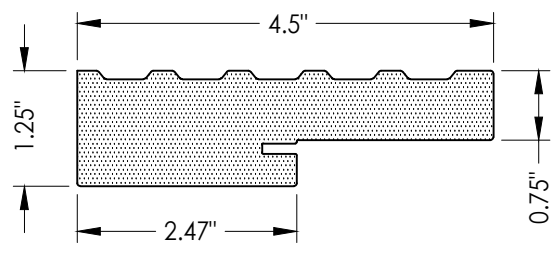
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

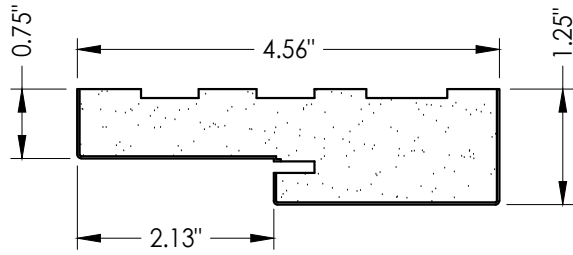
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



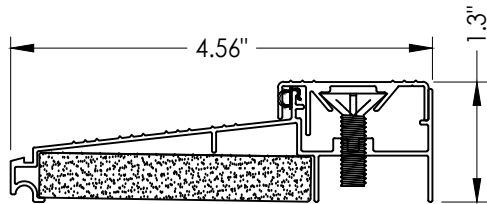
1 WOOD JAMB
FINGER JOINTED PINE



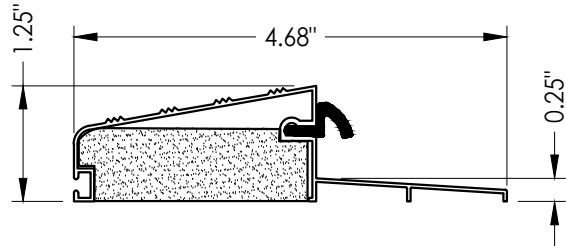
2 COMPOSITE JAMB
WORLDWIDE 4EVER



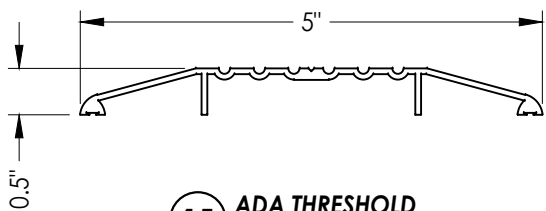
3 POLY FIBER JAMB
PLASTPRO



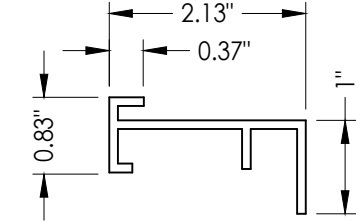
13 INSWING THRESHOLD
DLP



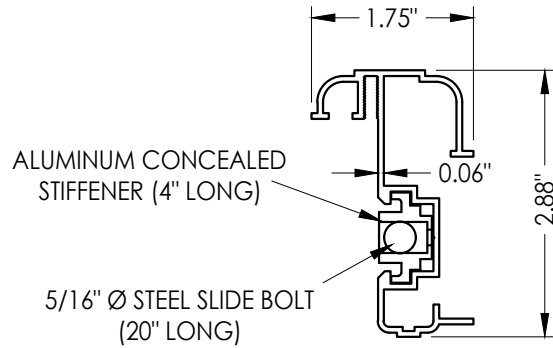
14 OUTSWING THRESHOLD
DLP



15 ADA THRESHOLD
DLP



16 INSWING SIDELITE ADAPTER



38 ALUMINUM ASTRAGAL
DLP

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FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

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

DATE: 6/20/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46831.6

SHEET 13 OF 13