

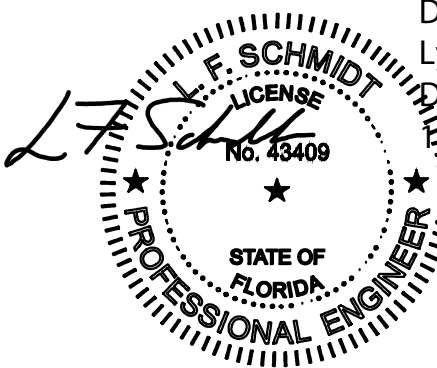
TRIMLITE

OPAQUE 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.

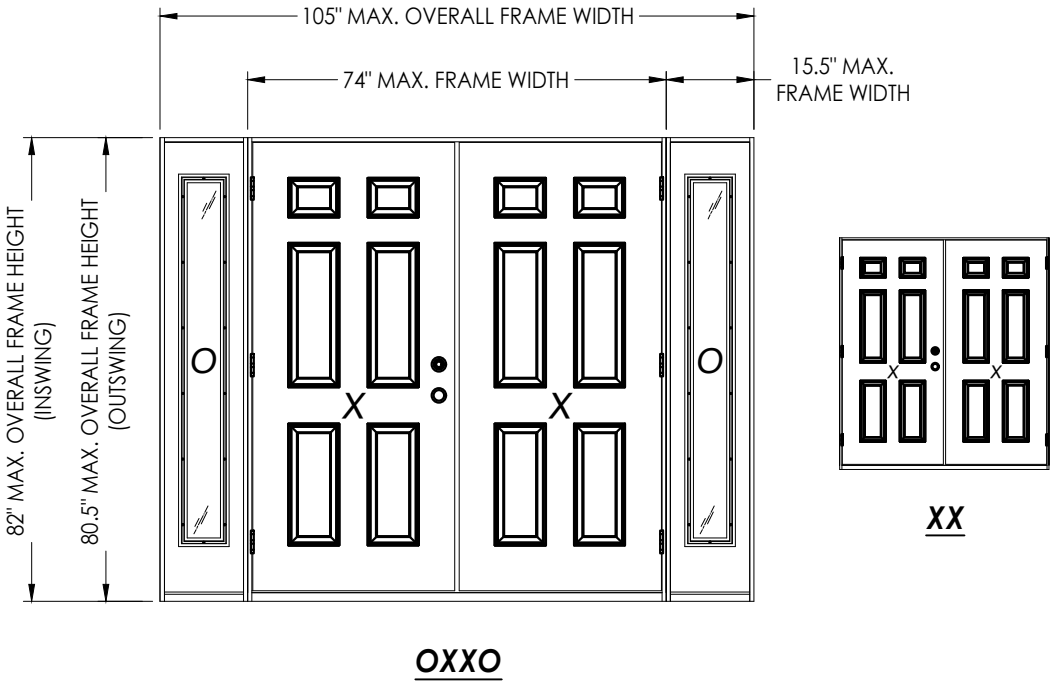
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SHEET #	DESCRIPTION	SHEET #	
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4	Lite Frame & Glazing Details	11	Buck Anchoring
5	Elevations	12	Frame Anchoring & Hardware Details
6	Horizontal Cross Sections	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (2X Buck)		



Digitally signed by
Lyndon F Schmidt
Date: 2025.04.23
17:19:11 -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



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	+50.0	-50.0	+50.0	-50.0
OXXO	105.0" x 82.0"	+50.0	-50.0	+50.0	-50.0

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-46830.3

SHEET 1 OF 13

REVISE FOR NEW TESTING

NO. 1

DATE 4/21/25

BY LFS

REVISIONS

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



FIBERGLASS SKIN: 0.110"
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)



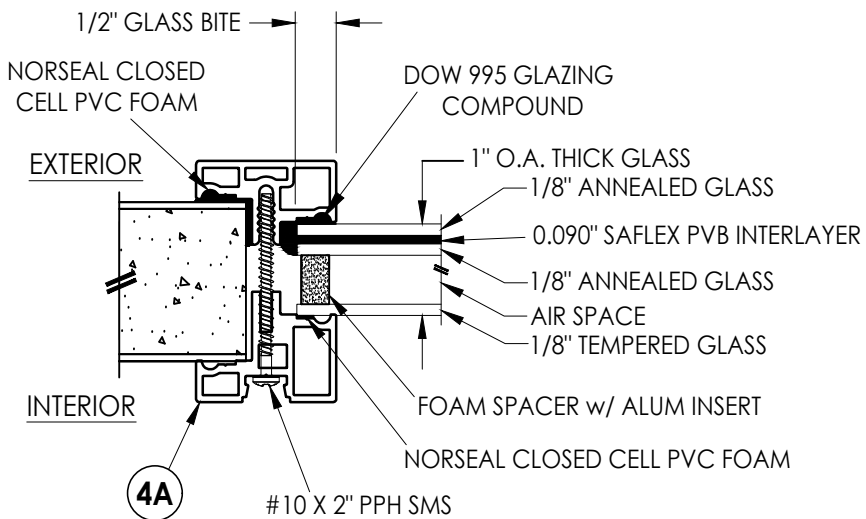
1	4/21/25	REVISE FOR NEW TESTING	LFS		
NO	DATE		BY		
REVISIONS					

DATE:	4/02/25
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46830.3
SHEET	<u>3</u> OF <u>13</u>

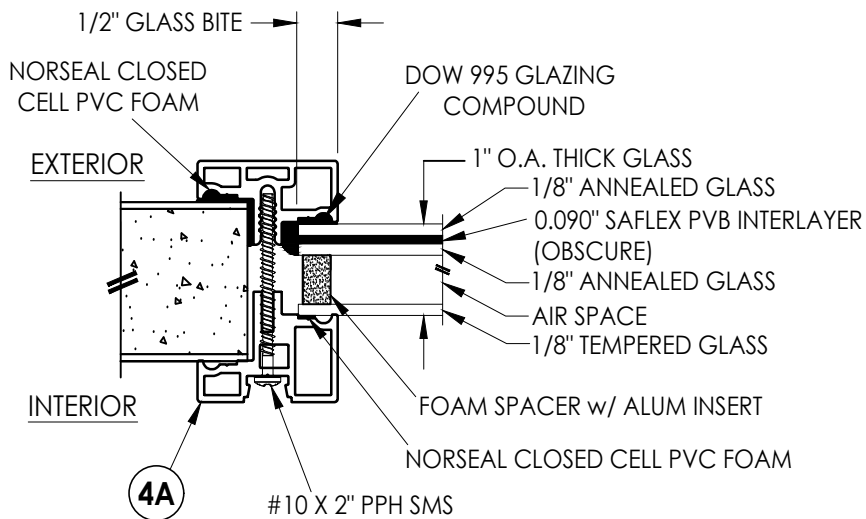
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

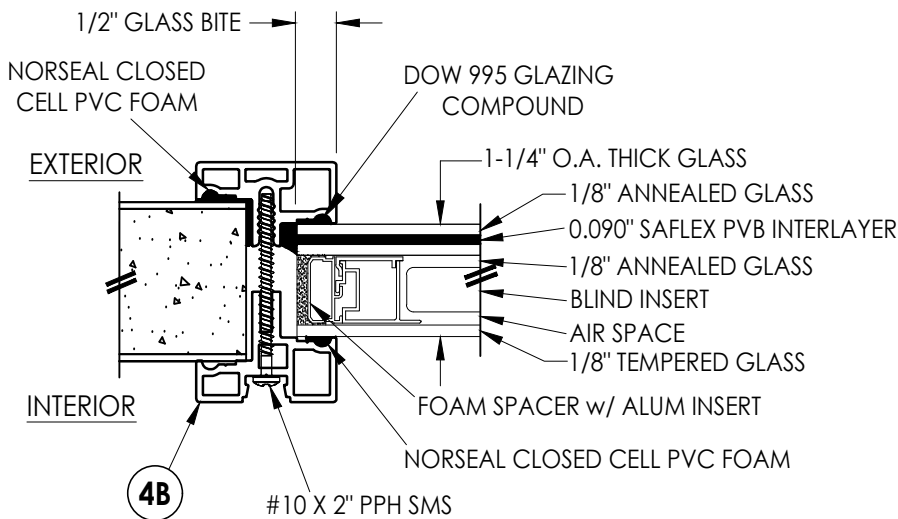
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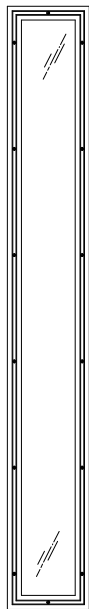
G1 GLAZING DETAIL
CLEAR GLASS



G2 GLAZING DETAIL
OBSCURE GLASS



G3 GLAZING DETAIL
BLINDS BETWEEN GLASS



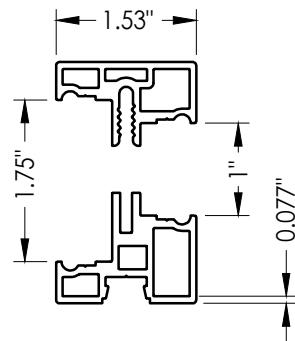
G1 GLAZING DETAIL
CLEAR GLASS



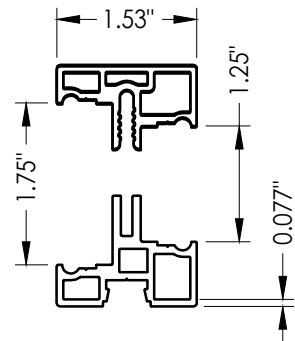
G2 GLAZING DETAIL
OBSCURE GLASS



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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FBPE Registry No. 9813

PRODUCT:
TRIMLITE
FIBERGLASS DOORS

PART OR ASSEMBLY:
LITE FRAME
& GLAZING DETAILS

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

DATE: 6/18/24

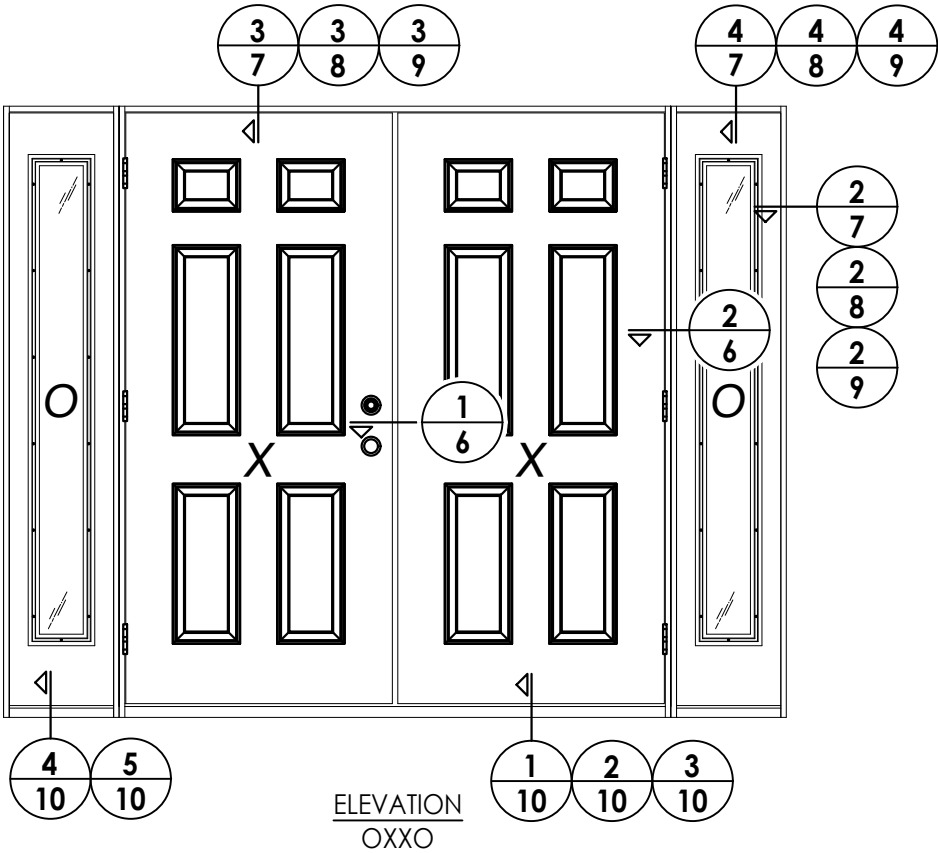
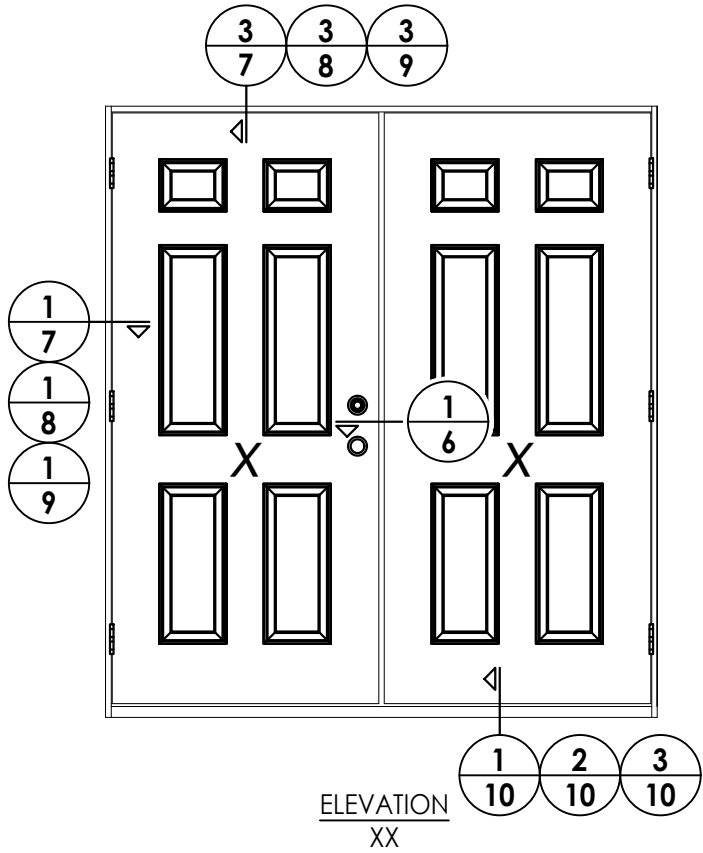
SCALE: N.T.S.

DWG. BY: RW

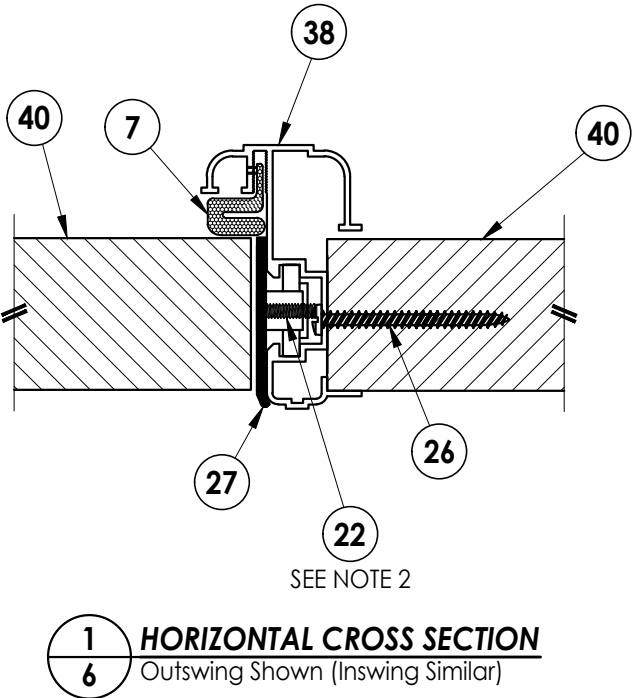
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DRAWING NO.:
FL-46830.3

SHEET 4 OF 13

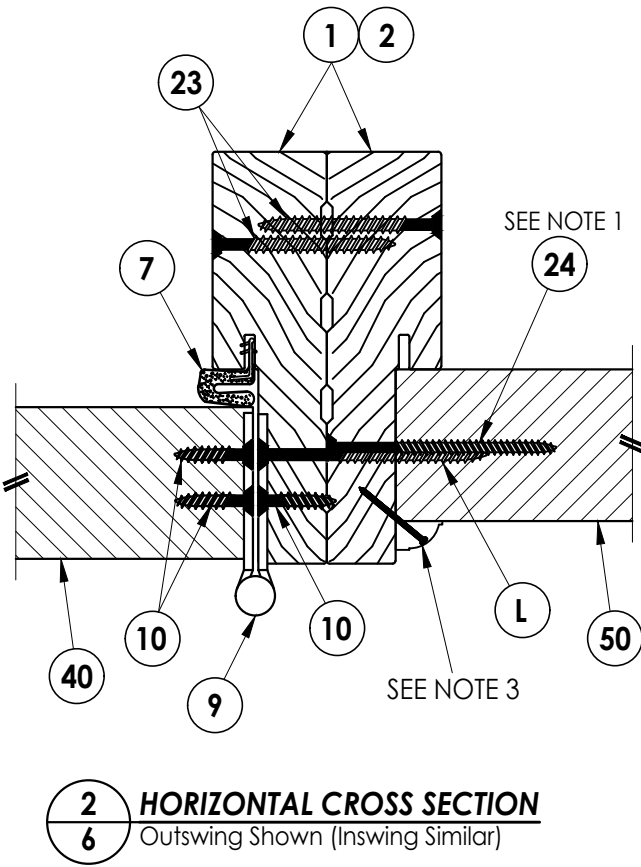


DATE: 4/02/25		DRAWING NO.: FL-46830.3		SHEET 5 OF 13	
SCALE: N.T.S.		CHK. BY: RW		DWG. BY: LFS	
NO.		DATE		REVISE FOR NEW TESTING	
1		4/21/25		LFS	



INTERIOR

EXTERIOR



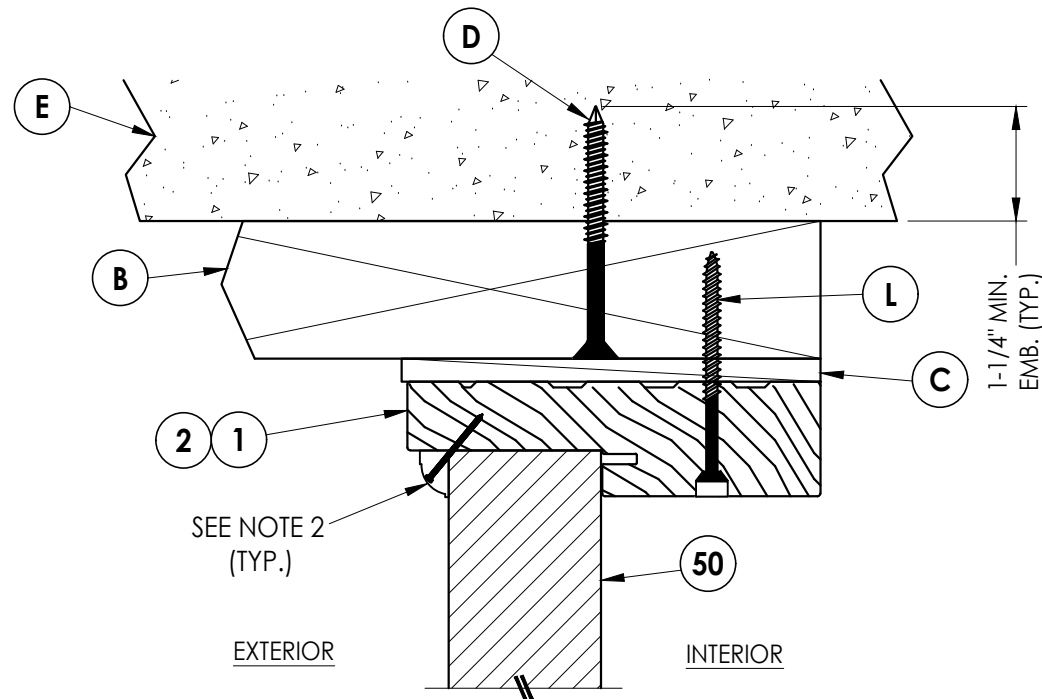
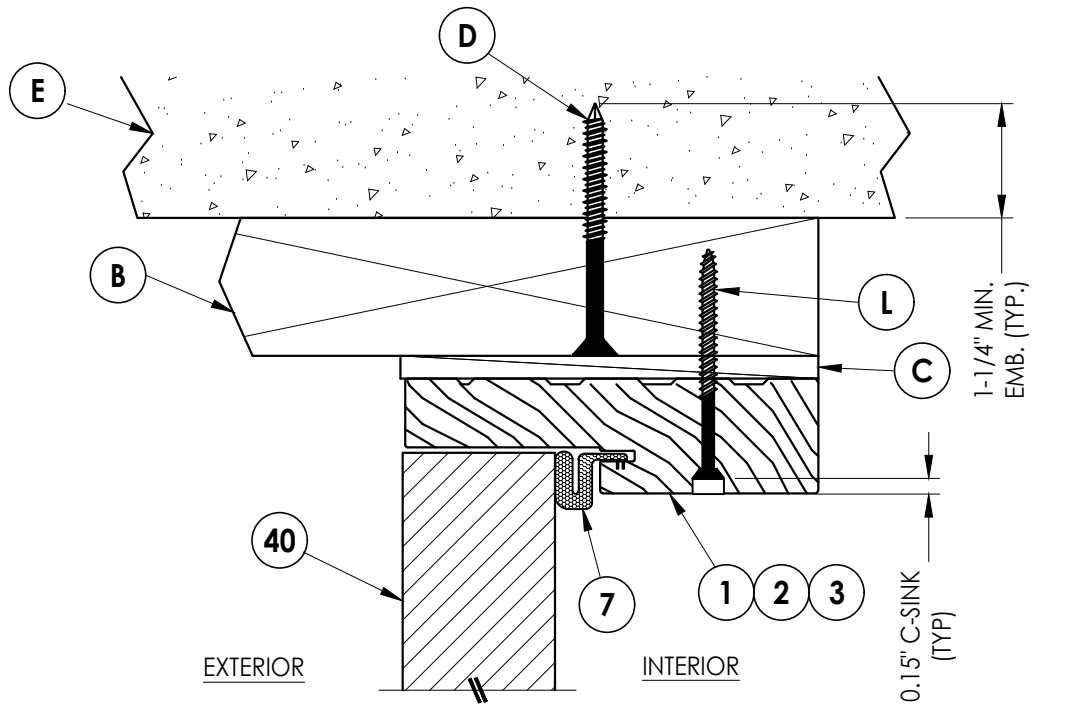
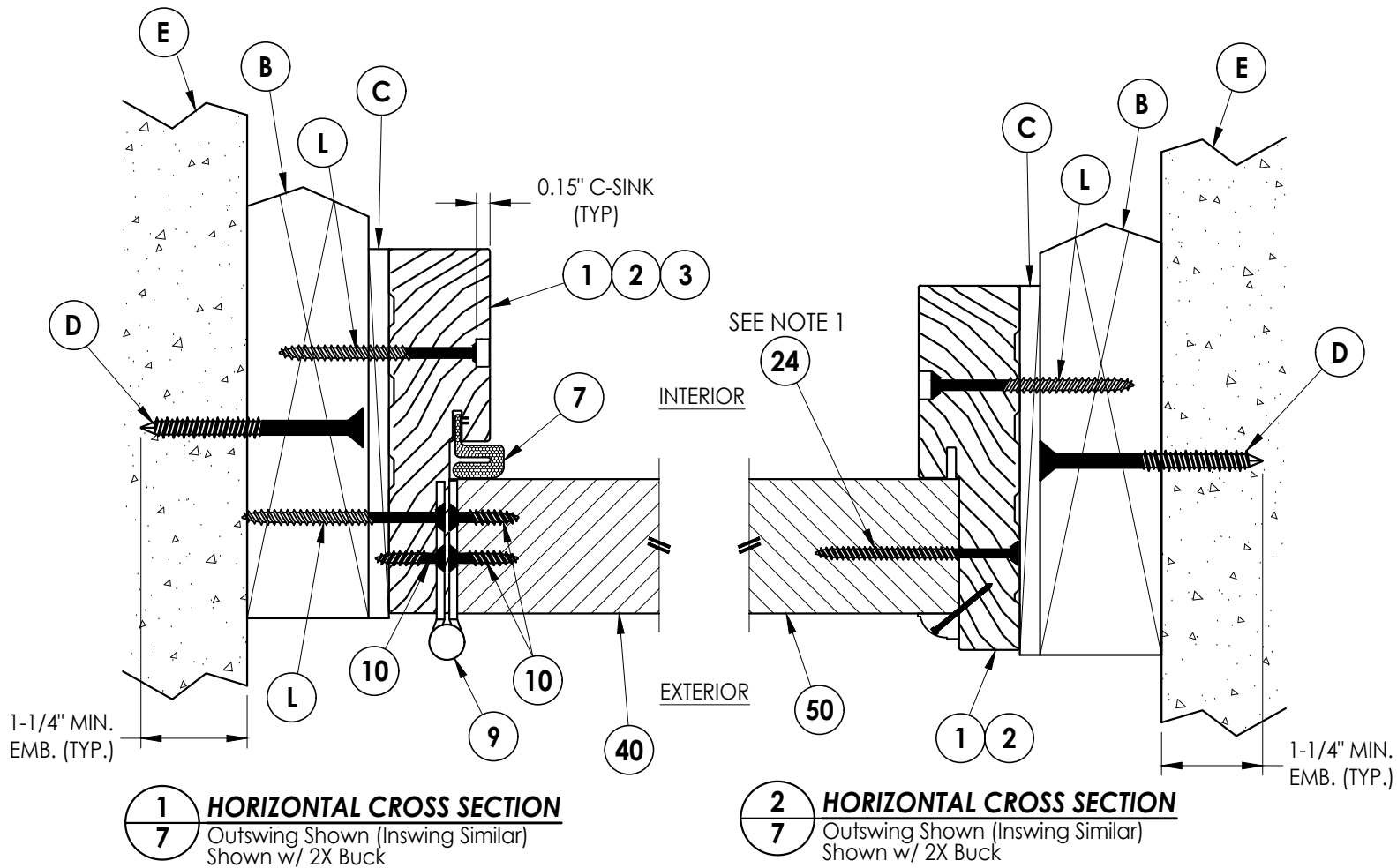
SEE NOTE 1

SEE NOTE 3

- Notes:
1. Sidelite assembly screws located 4" from each end and 5 more screws equally spaced between (7 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]

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Notes:

- Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
- PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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Lyndon F. Schmidt
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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 DOOR

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

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

DATE: 4/02/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

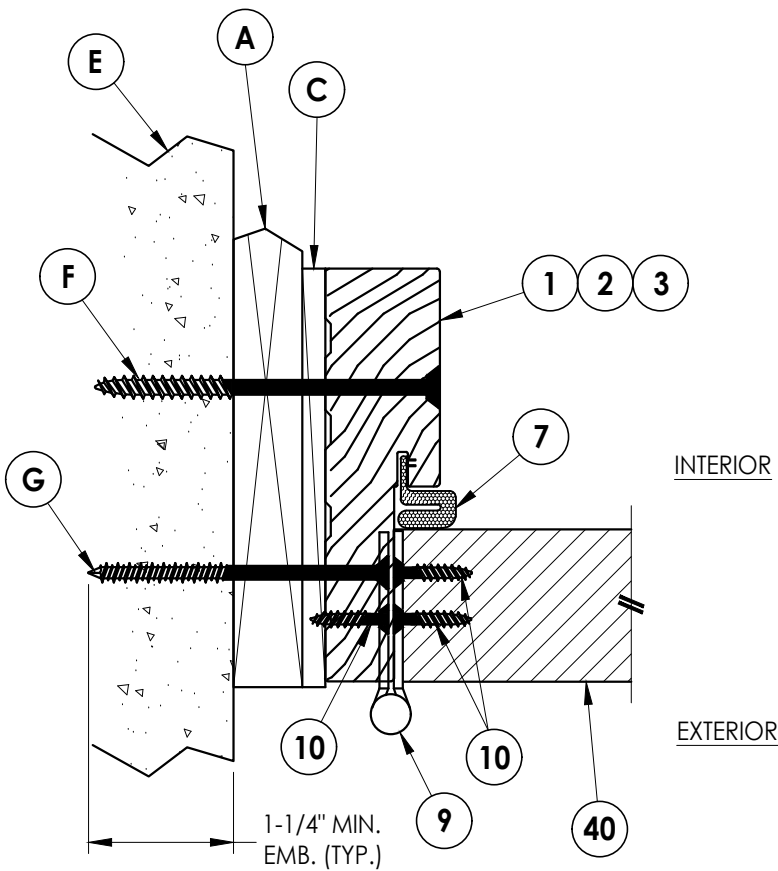
FL-46830.3

SHEET 7 OF 13

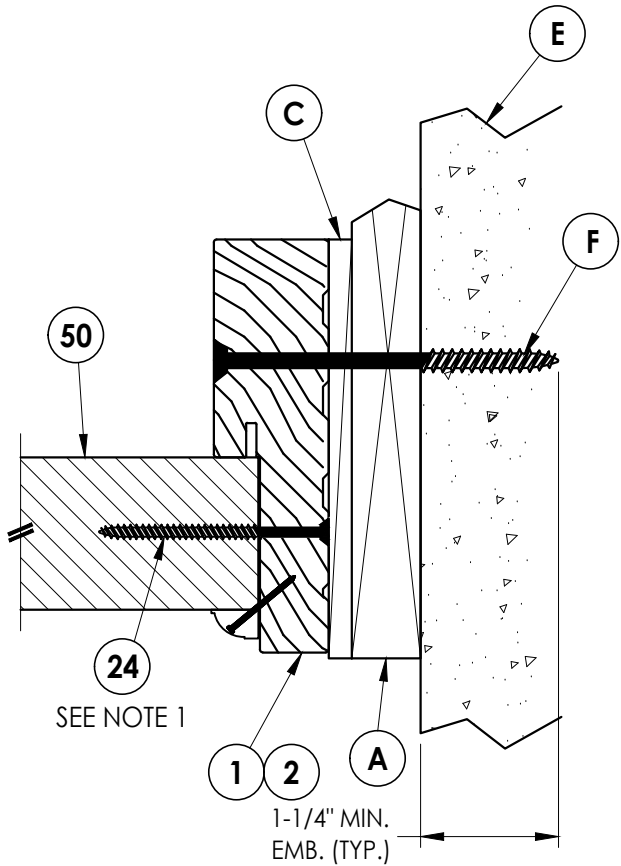
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Notes:

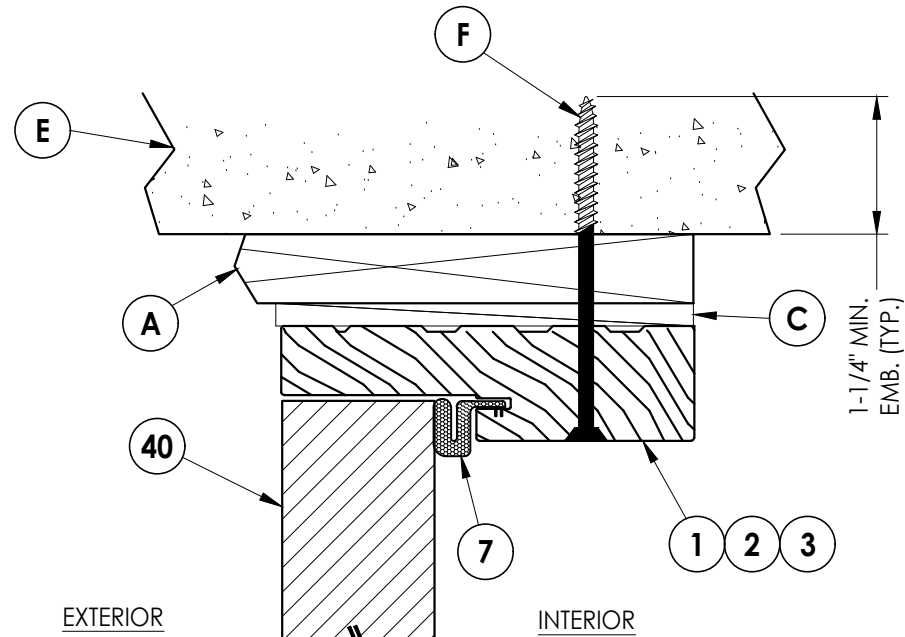
1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



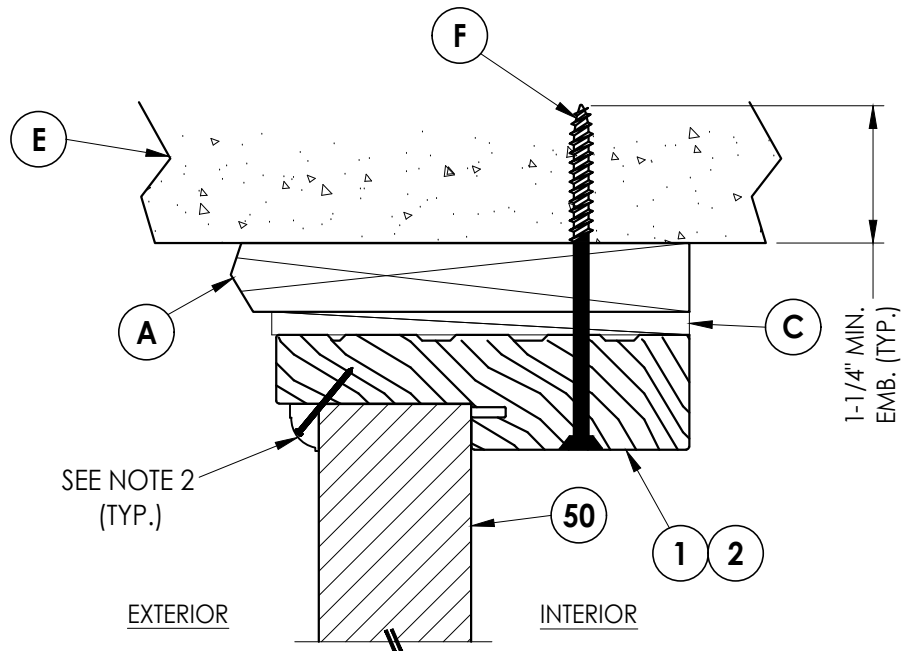
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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



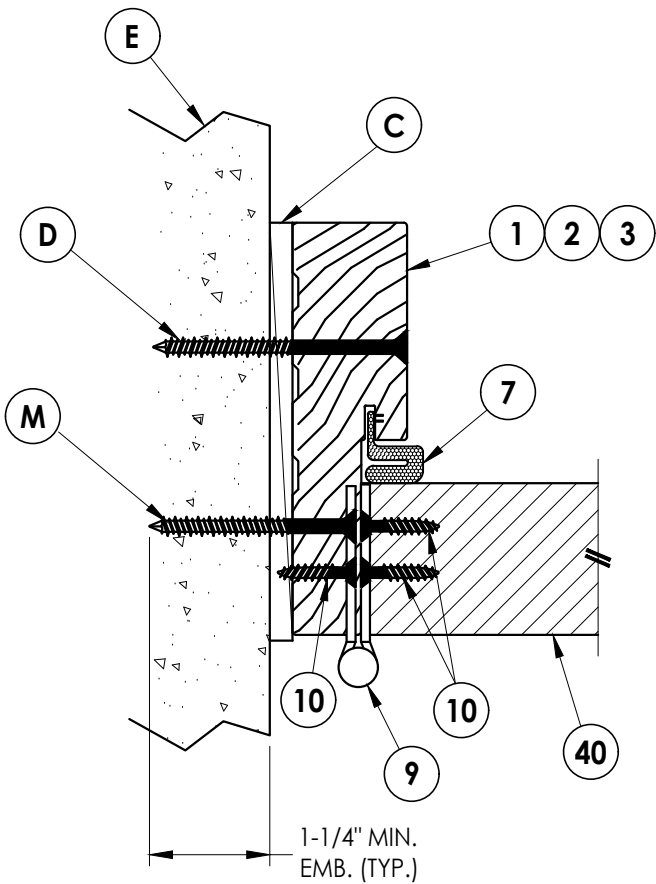
3
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



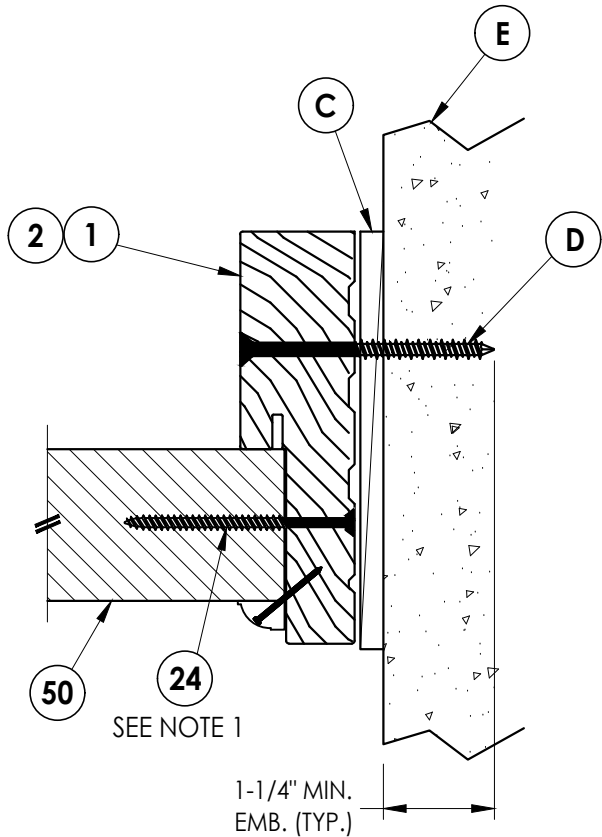
4
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

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: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
		LFS	BY
		4/21/25	REVISIONS
		NO.	DATE
		1	4/21/25
DATE: 4/02/25		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-46830.3		SHEET 8 OF 13	

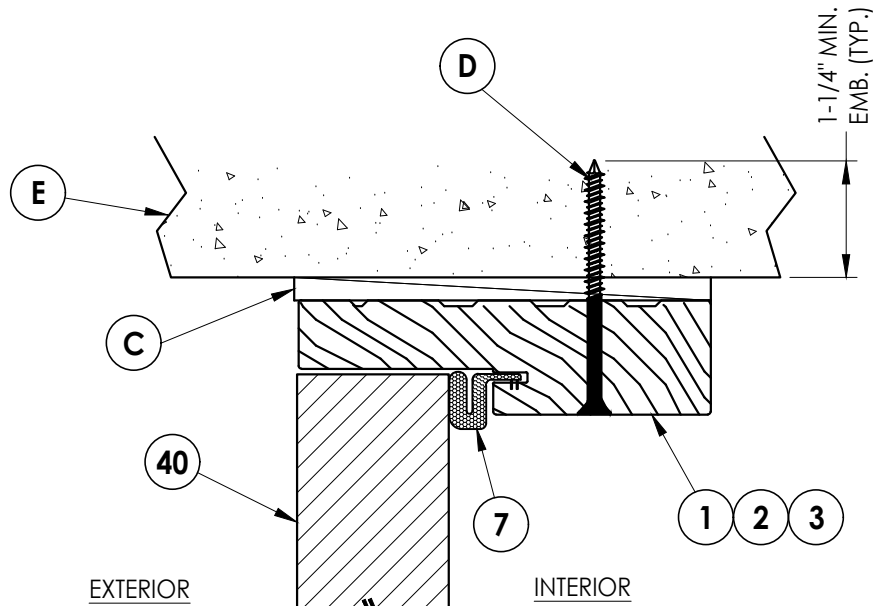
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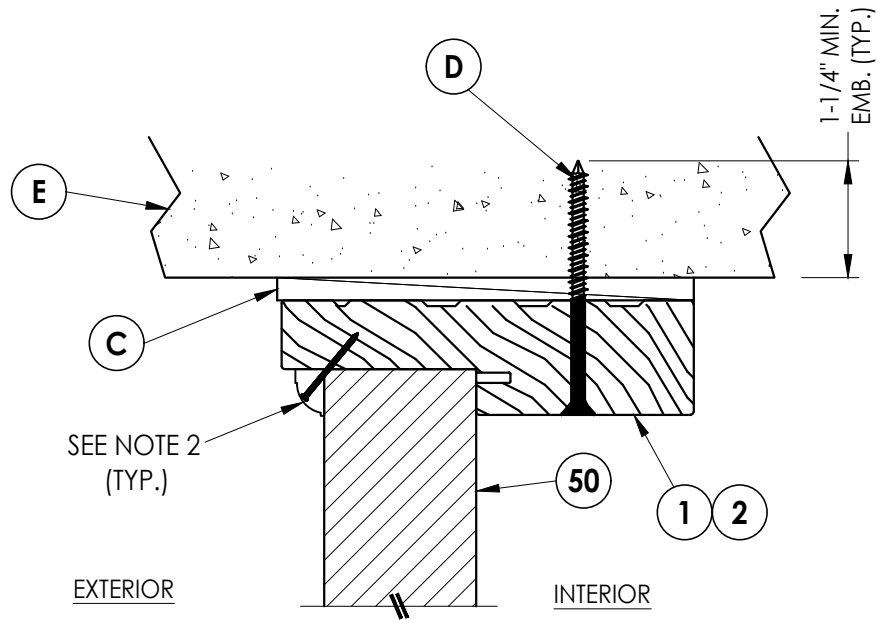
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
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:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

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

DATE: 4/02/25

SCALE: N.T.S.

DWG. BY: LFS

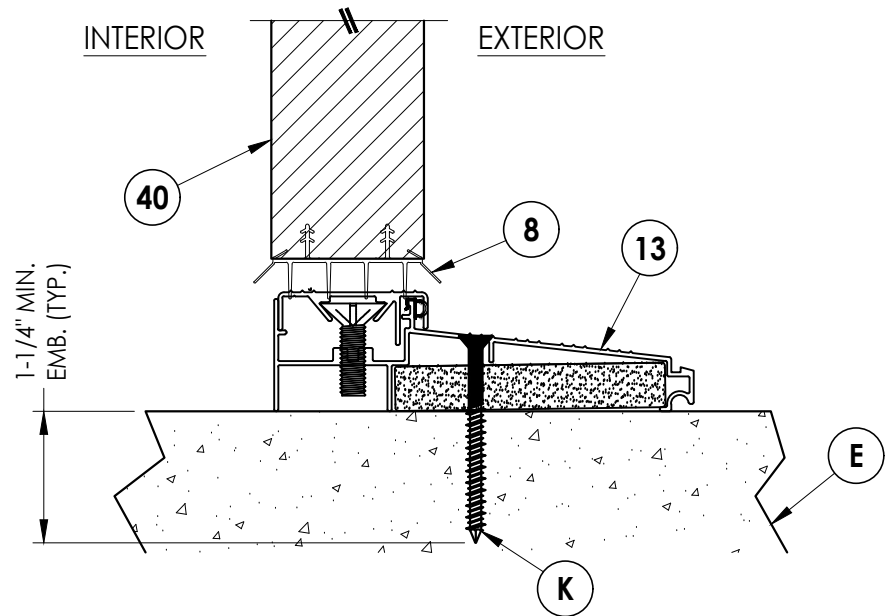
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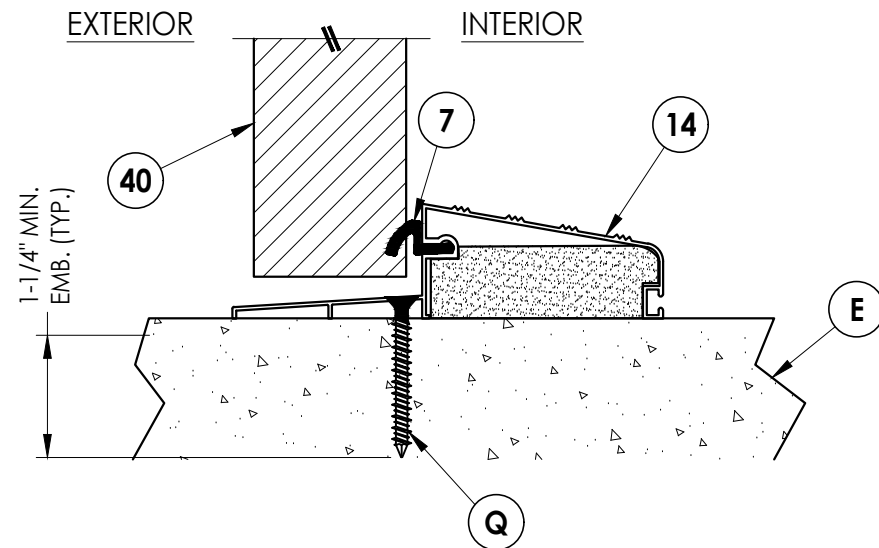
FL-46830.3

SHEET 9 OF 13

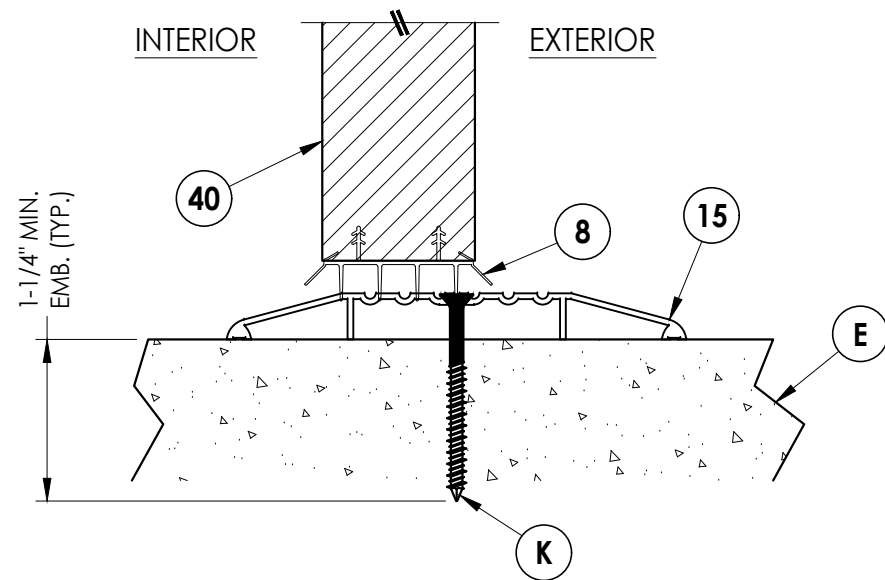
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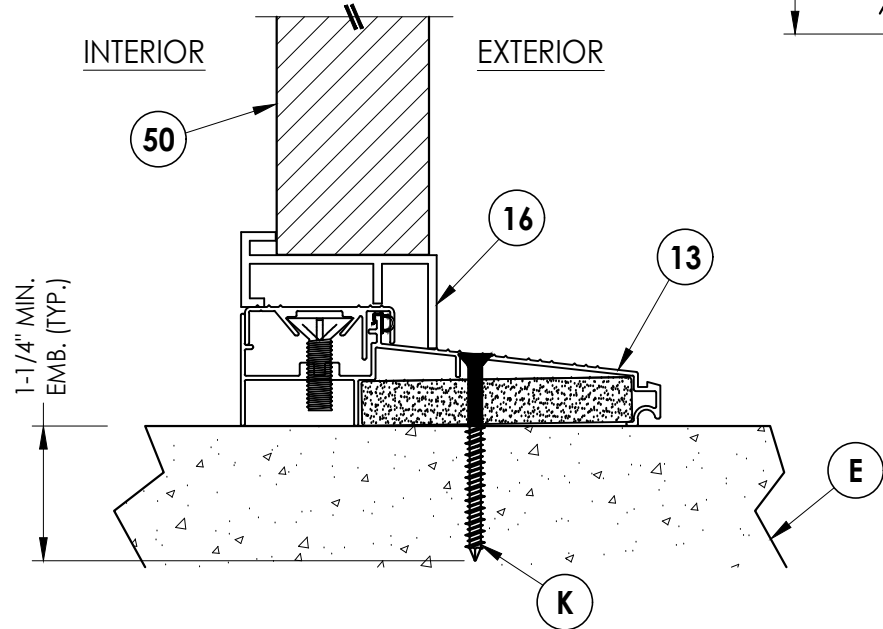
1
10 **VERTICAL CROSS SECTION**
Inswing Threshold



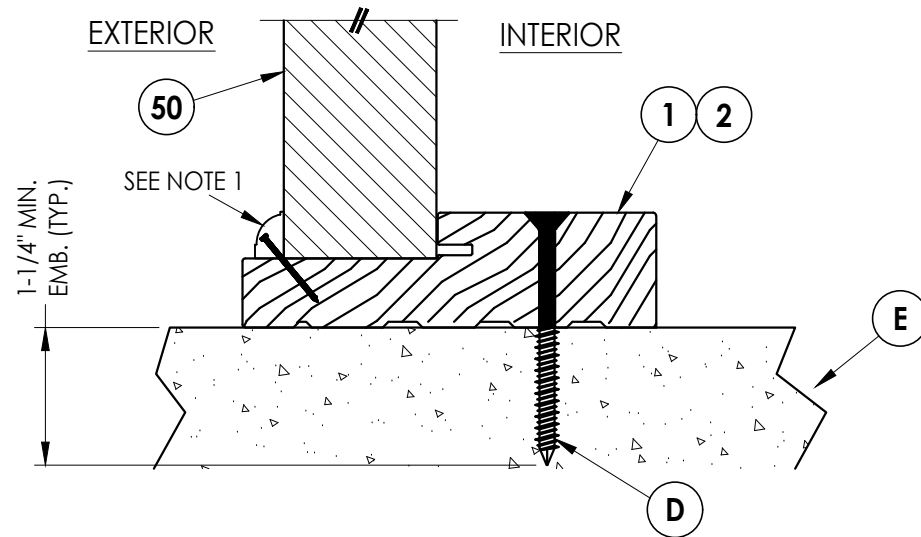
2
10 **VERTICAL CROSS SECTION**
Outswing Threshold



3
10 **VERTICAL CROSS SECTION**
ADA Threshold



4
10 **VERTICAL CROSS SECTION**
Inswing Threshold



5
10 **VERTICAL CROSS SECTION**
Outswing Threshold

Note:
1. 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

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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:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

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

DATE: 4/02/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46830.3

SHEET 10 OF 13

Z:\2023 FBC Drawings\Trimlite\FL-46830\FL-46830.3.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	#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	-

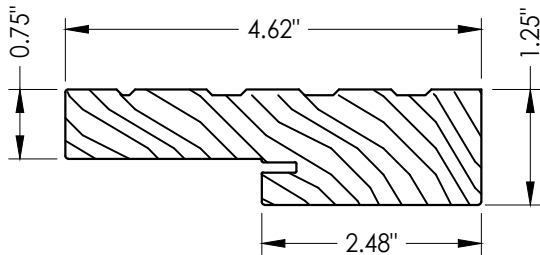
CONCRETE ANCHOR NOTES:

- 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:

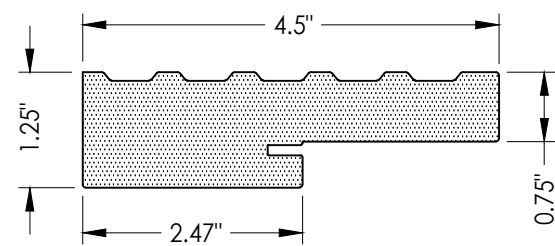
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

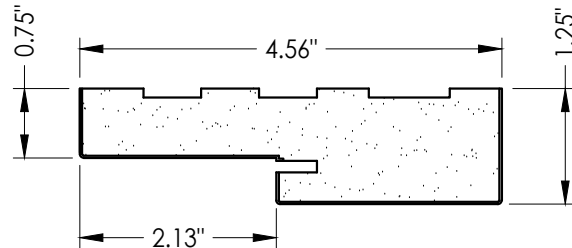
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



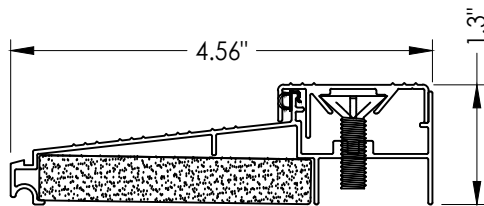
1 WOOD JAMB
FINGER JOINTED PINE



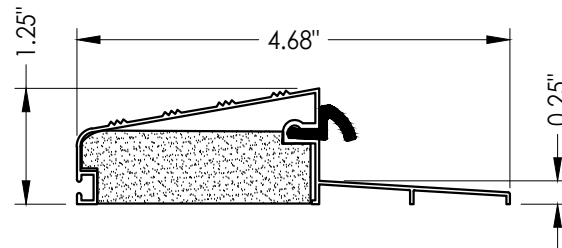
2 COMPOSITE JAMB
WORLDWIDE 4EVER



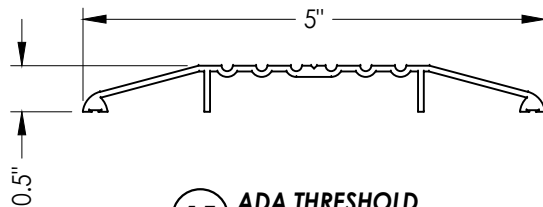
3 POLY FIBER JAMB
PLASTPRO
FOR USE ON DOUBLE DOOR
w/out SIDELITES ONLY



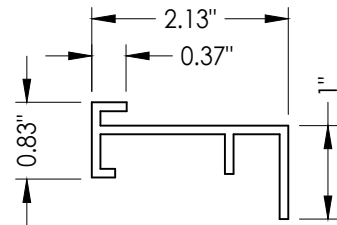
13 INSWING THRESHOLD
DLP



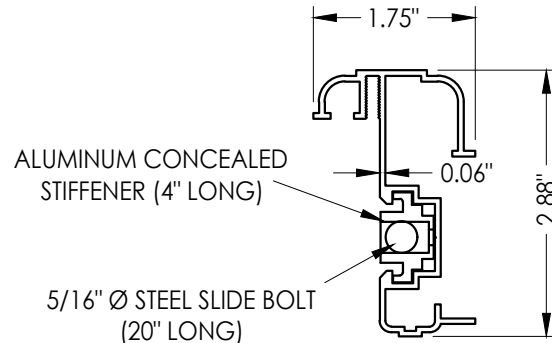
14 OUTSWING THRESHOLD
DLP



15 ADA THRESHOLD
DLP



16 INSWING SIDELITE ADAPTER



38 ALUMINUM ASTRAGAL
DLP

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:
BILL OF MATERIALS
& COMPONENTS

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

DATE: 4/02/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-46830.3

SHEET 13 OF 13