

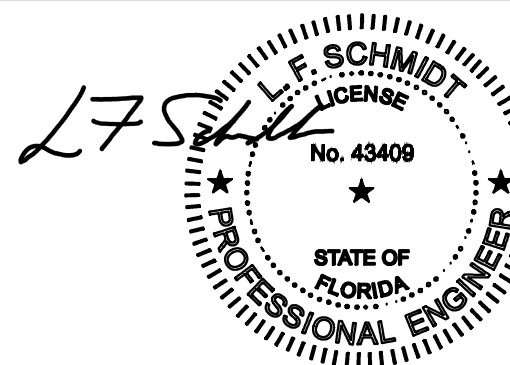


**"Direct Glaze"
Fiberglass Door
Double w/ or w/out Sidelite(s)
INSWING/OUTSWING
"IMPACT"**

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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5	Horizontal Cross Sections	11	Frame Anchoring & Hardware Details
6	Horizontal & Vertical Cross Sections (2X Buck)	12	Bill of Materials & Components

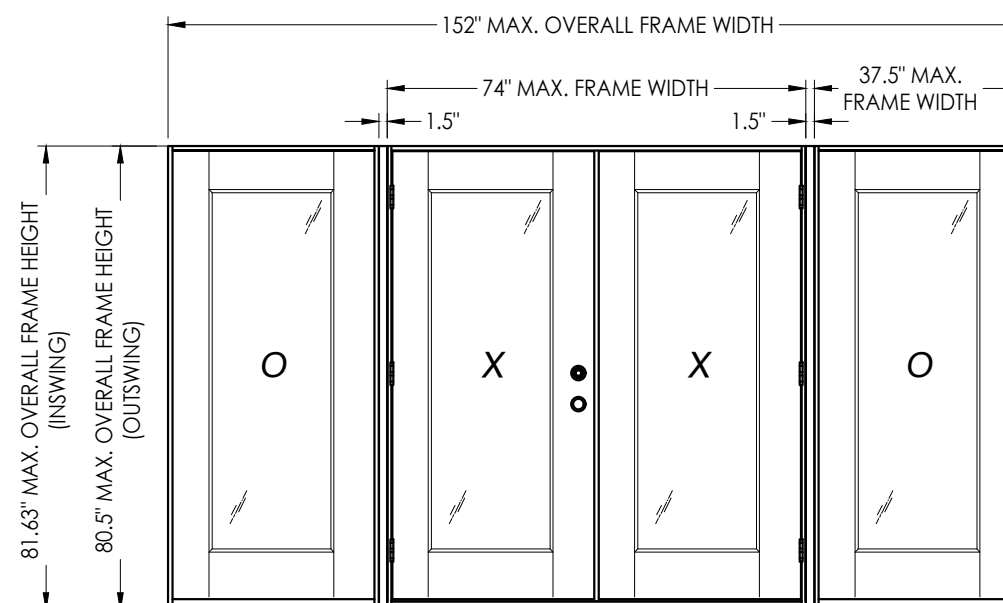


Digitally signed by
Lyndon F Schmidt
Date: 2025.07.02
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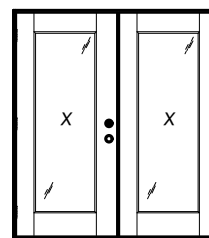
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

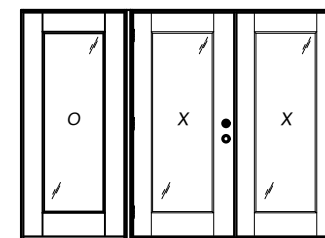
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



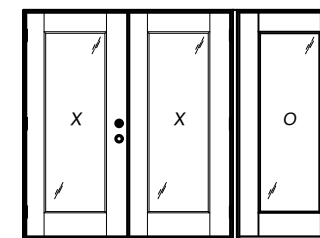
OXXO



XX



OXX, XXO



XXO, OXX

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74" x 81.63"	+50.0	-50.0	+50.0	-50.0
OXX, XXO	113.0" x 81.63"	+50.0	-50.0	+50.0	-50.0
OXXO	152" x 81.63"	+50.0	-50.0	+50.0	-50.0

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

R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRINITY
FIBERGLASS PATIO DOOR

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

[illegible]

DATE: 1/30/25

SCALE: N.T.S.

DWG. BY: *RW*

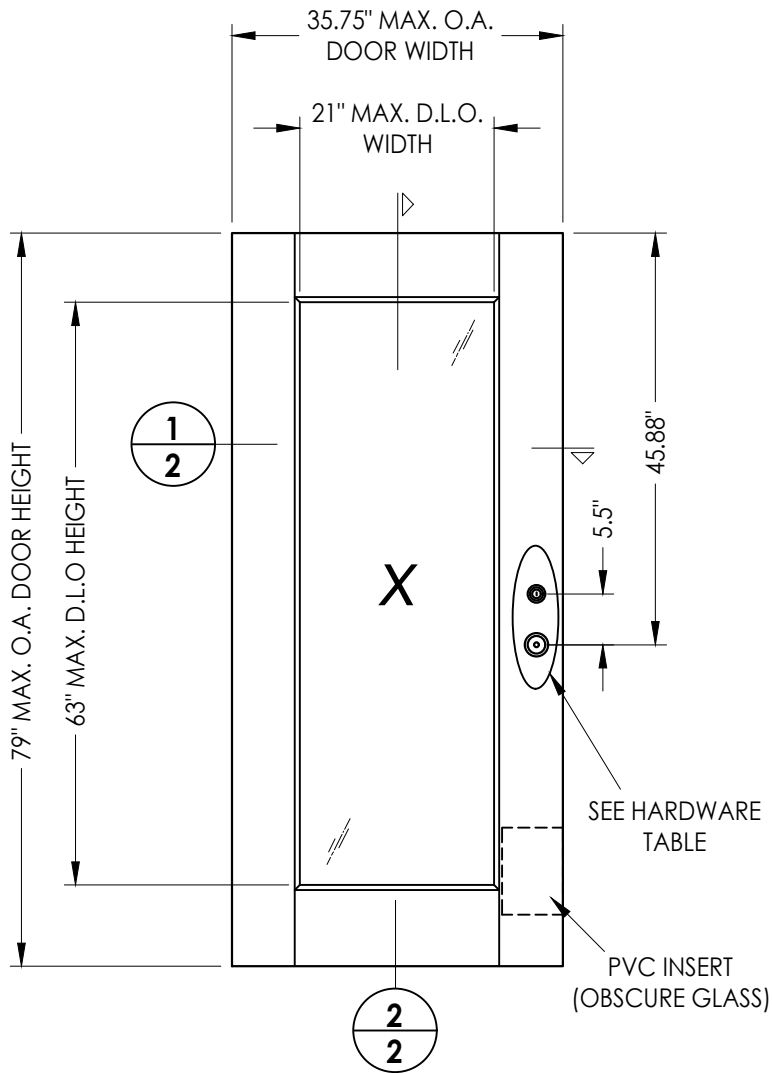
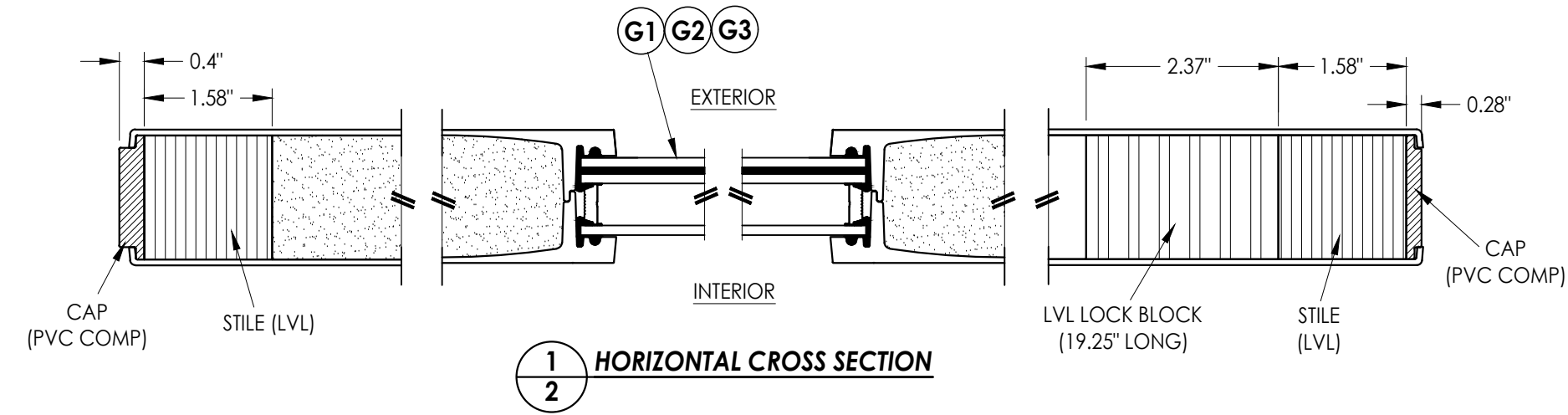
CHK. BY: *LFS*

DRAWING NO.:

FL-47284.8

SHEET 1 OF 12

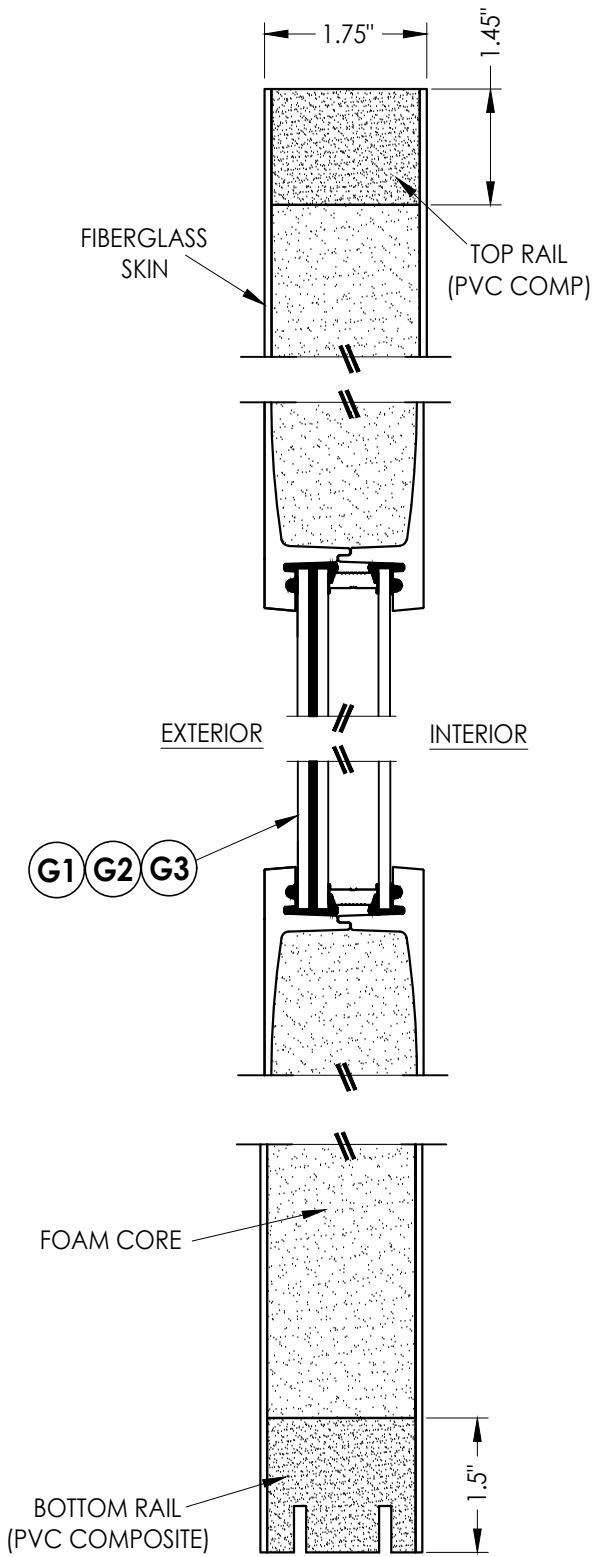
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40 FIBERGLASS DOOR PANEL

HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	Knob:	F SERIES
	DEADBOLT:	B60 SERIES

FIBERGLASS DOOR SKIN: MIN. 0.071" THK.
FOAM CORE MATERIAL: POLYURETHANE



2 VERTICAL CROSS SECTION

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRINITY
FIBERGLASS PATIO DOOR

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

NO.	DATE	REVISIONS	
		BY	DATE
1	6/20/25	LFS	ADD GLAZING DETAIL G3

DATE: 1/30/25

SCALE: N.T.S.

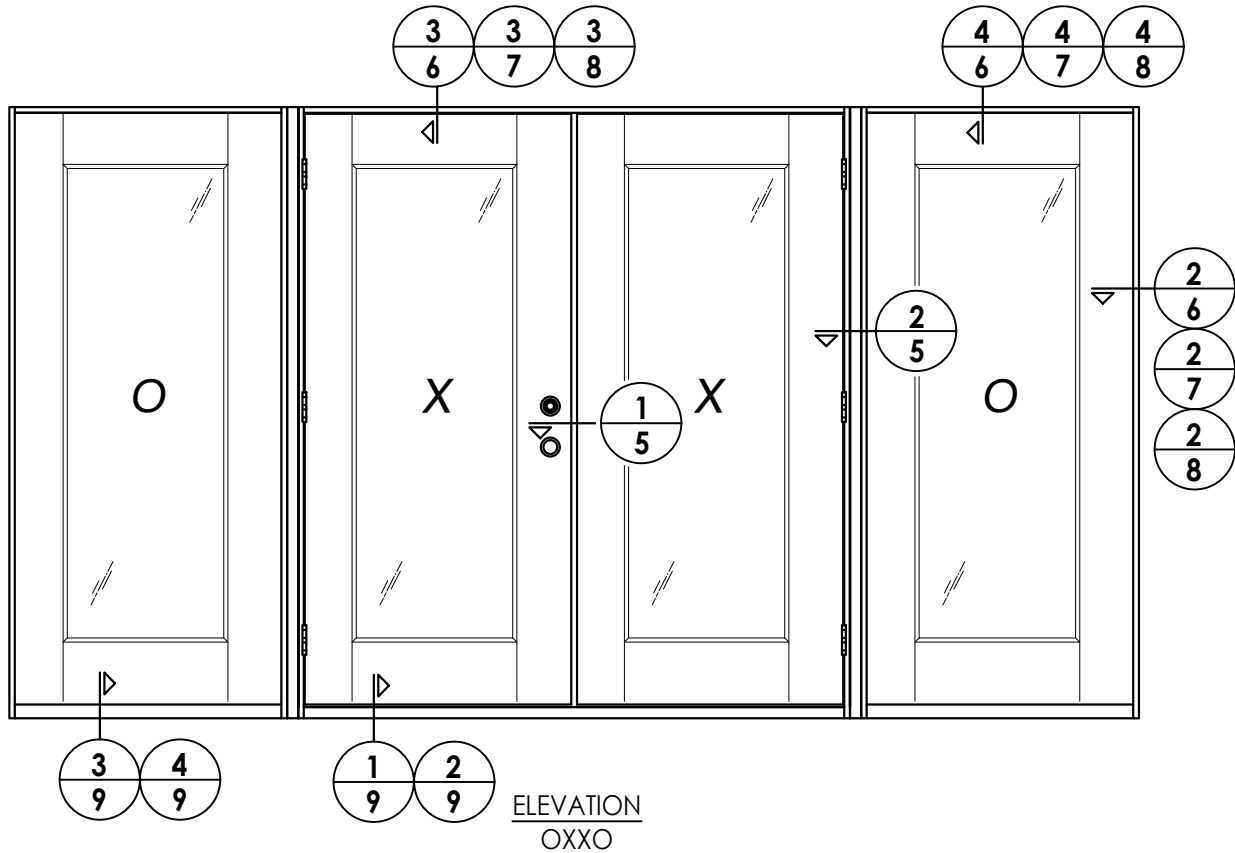
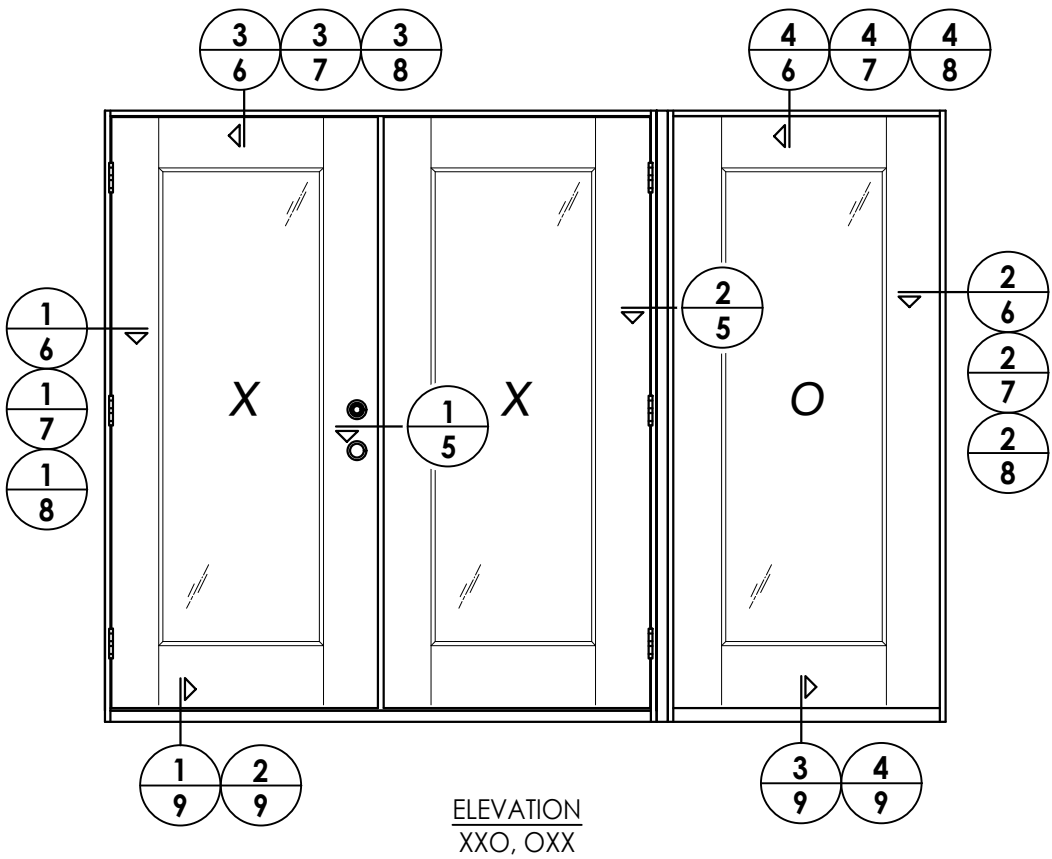
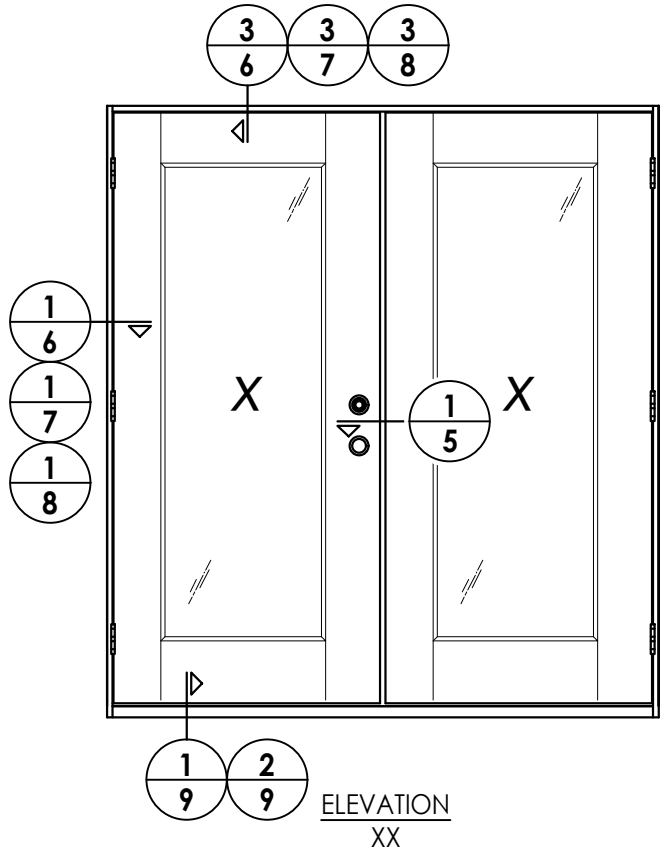
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-47284.8

SHEET 2 OF 12

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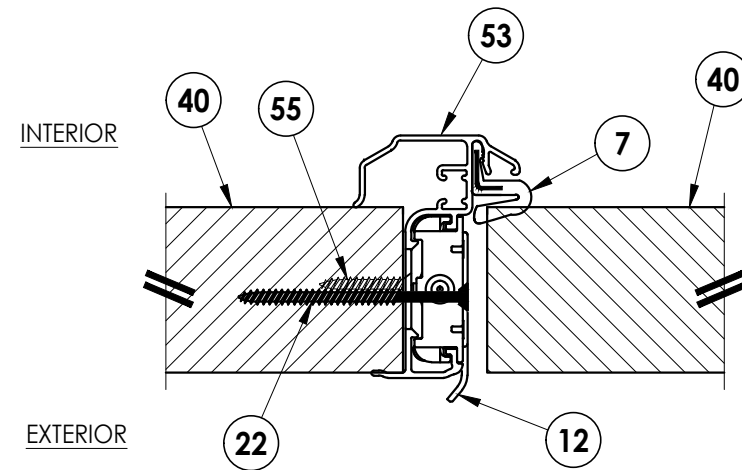
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DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-47284.8
SHEET 4 OF 12

NO	DATE	ADD	GLAZING	DETAIL	G3	LFS	BY
1	6/20/25						

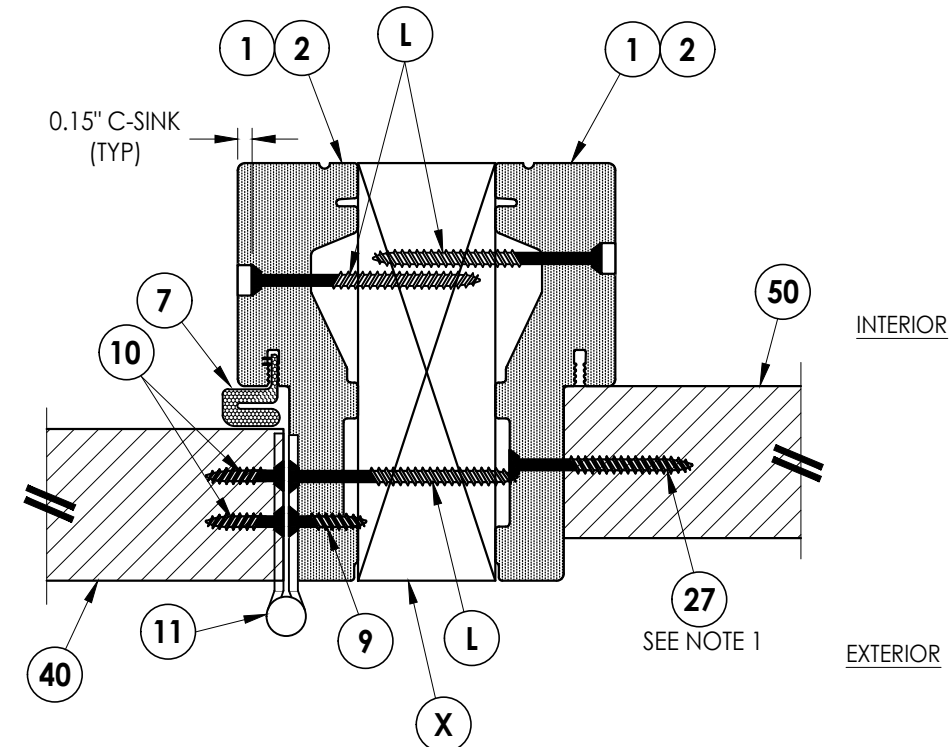
PRODUCT:	TRINITY FIBERGLASS PATIO DOOR "Impact"
PART OR ASSEMBLY:	ELEVATIONS

Documents Prepared By:
Lyndon F. Schmidt
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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



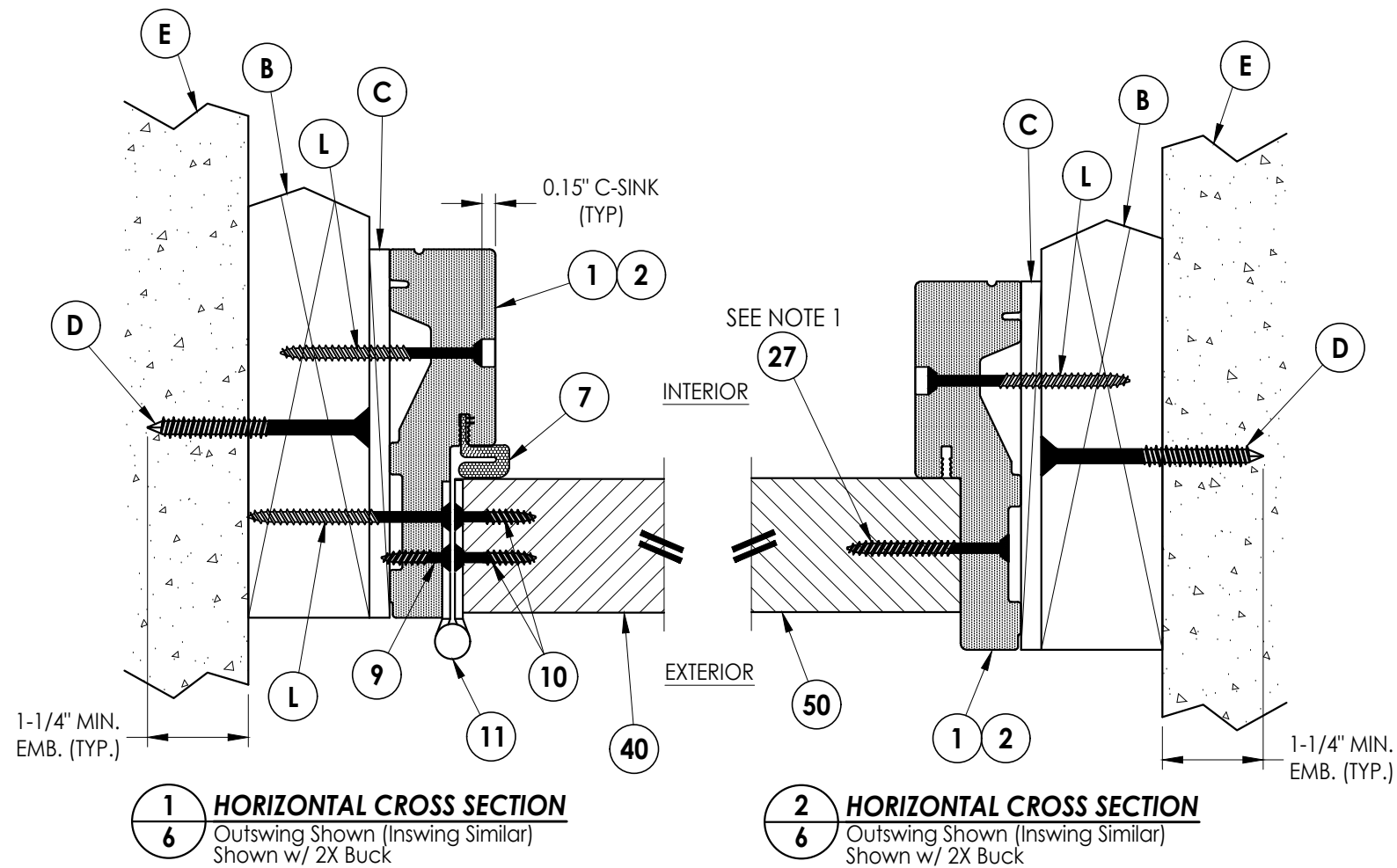
1 **HORIZONTAL CROSS SECTION**
5 Outswing Shown (Inswing Similar)



2 **HORIZONTAL CROSS SECTION**
5 Outswing Shown (Inswing Similar)

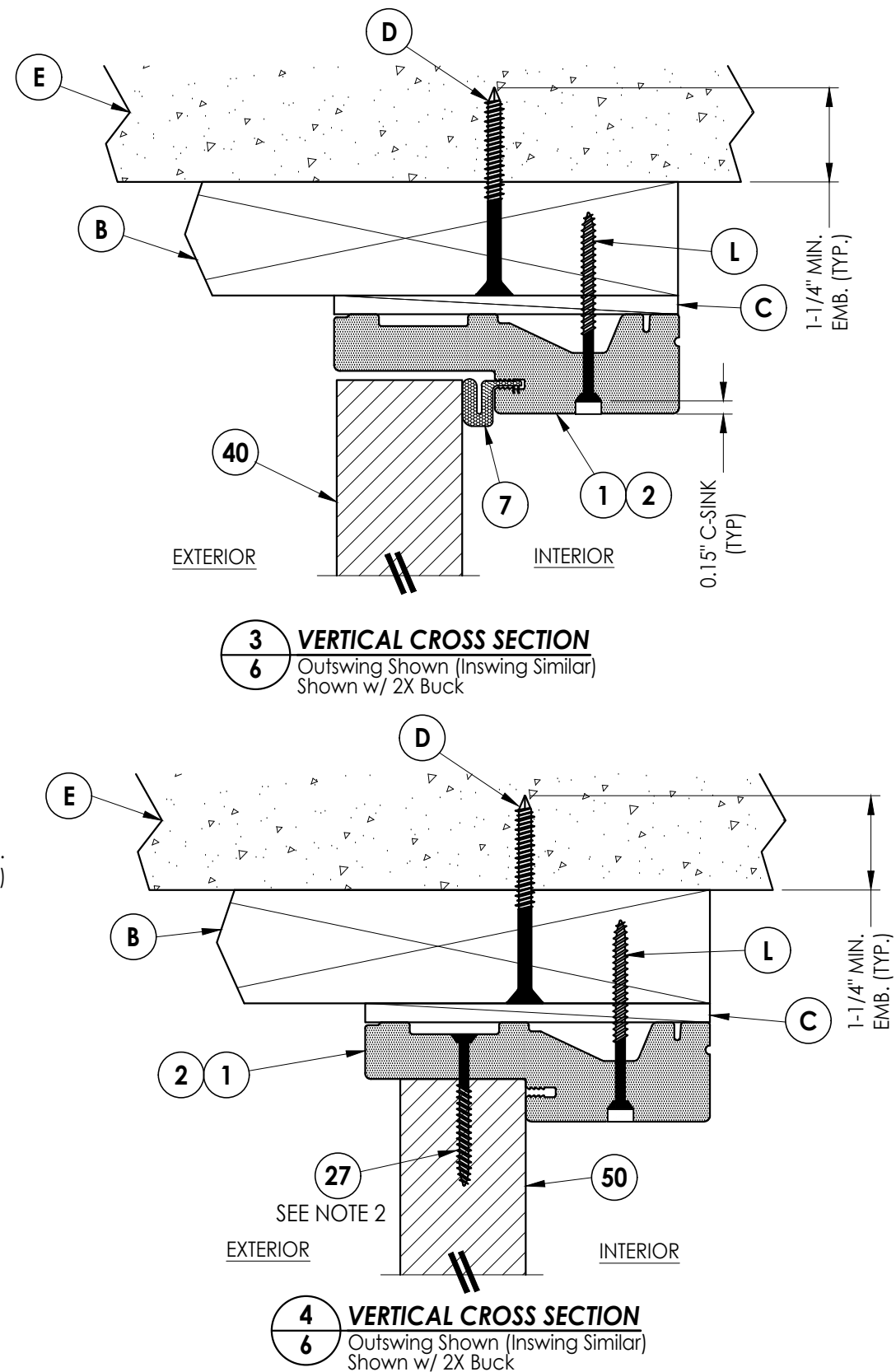
Note:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).

[illegible]



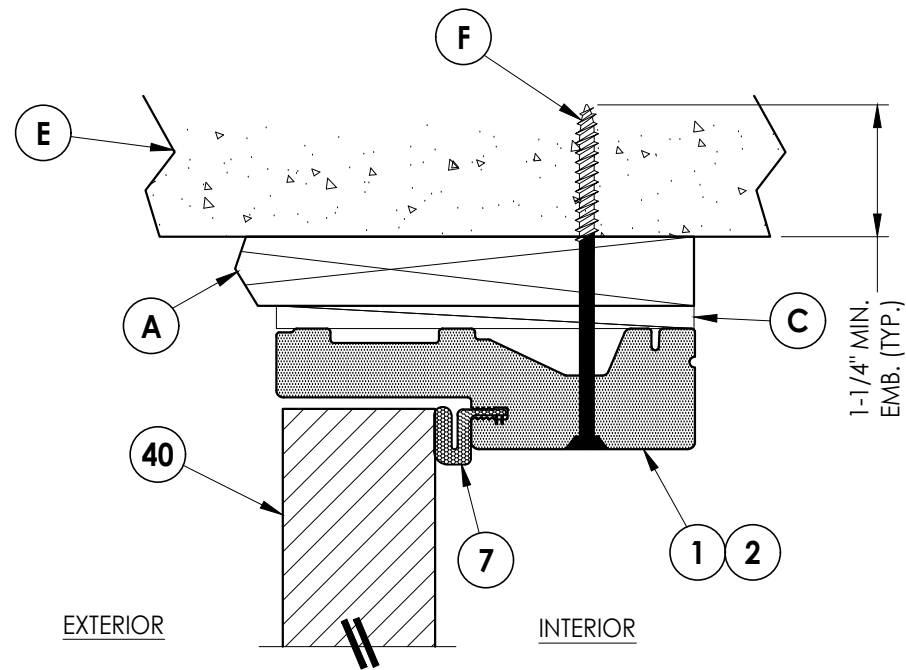
Notes:

1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).

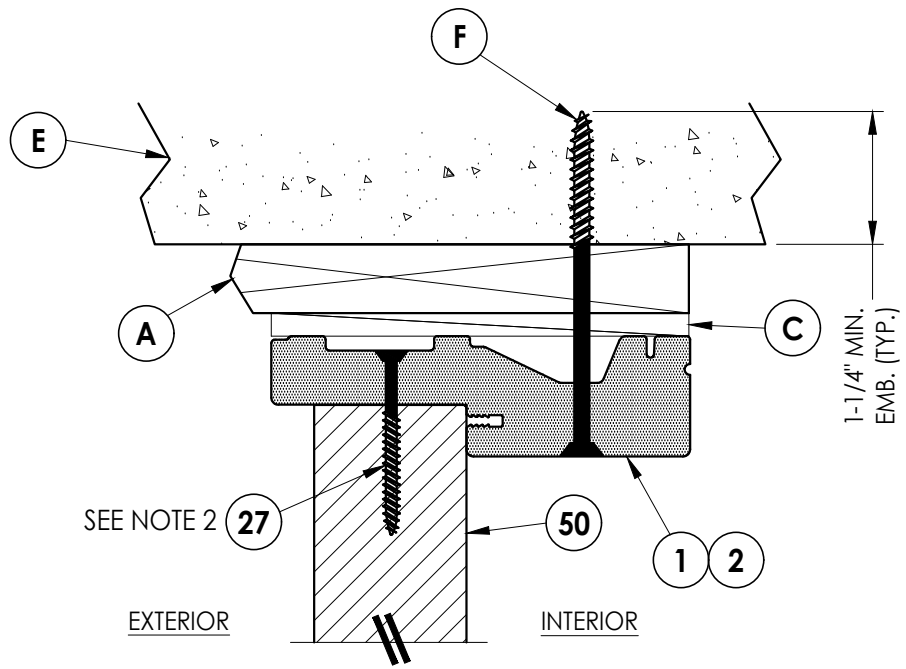


PRODUCT: TRINITY FIBERGLASS PATIO DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
1	6/20/25	ADD GLAZING DETAIL G3	LFS
NO.	DATE		BY
		REVISIONS	
DATE: 1/30/25			
SCALE: N.T.S.			
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.: FL-47284.8			
SHEET 6		OF 12	

1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



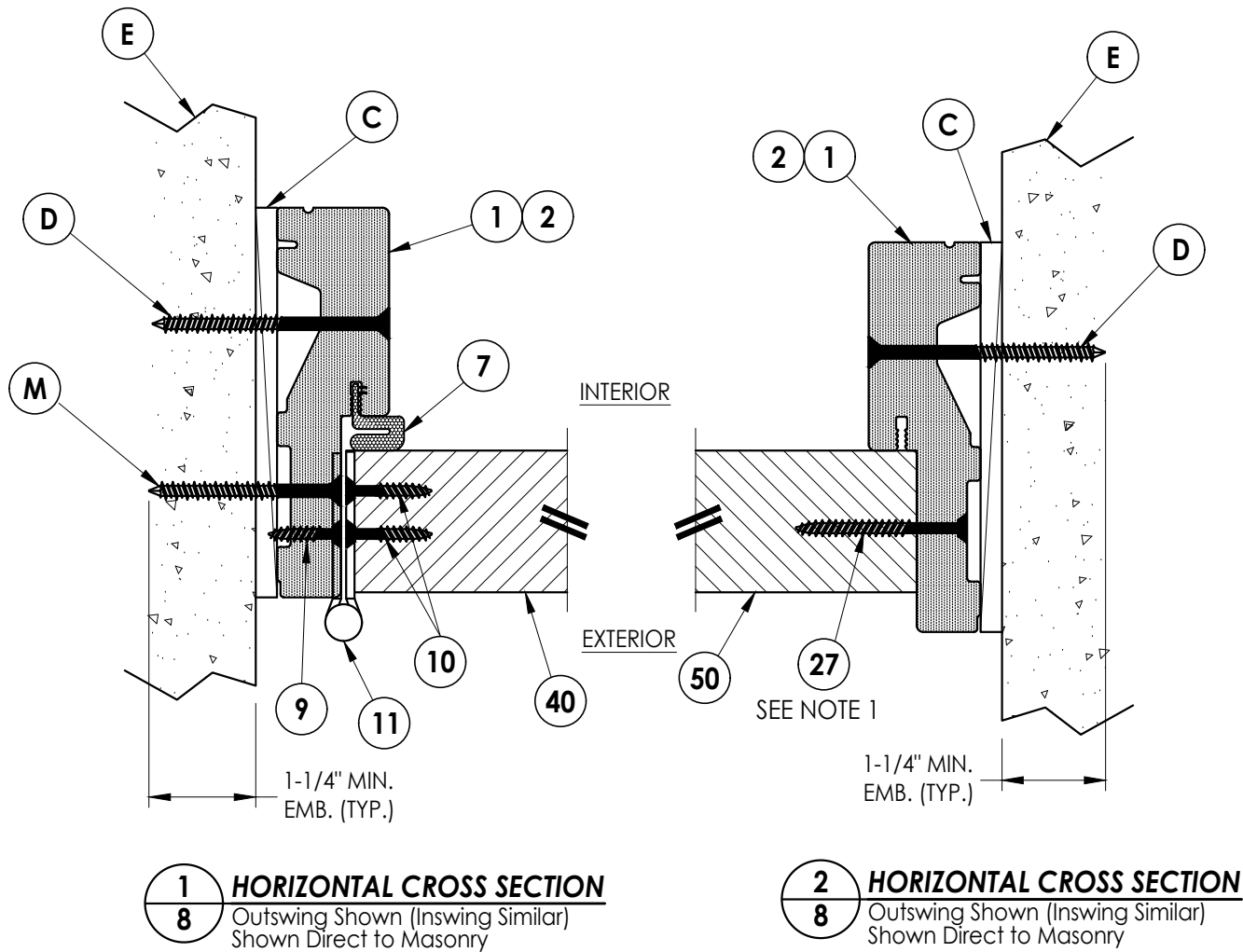
3 VERTICAL CROSS SECTION
7 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck



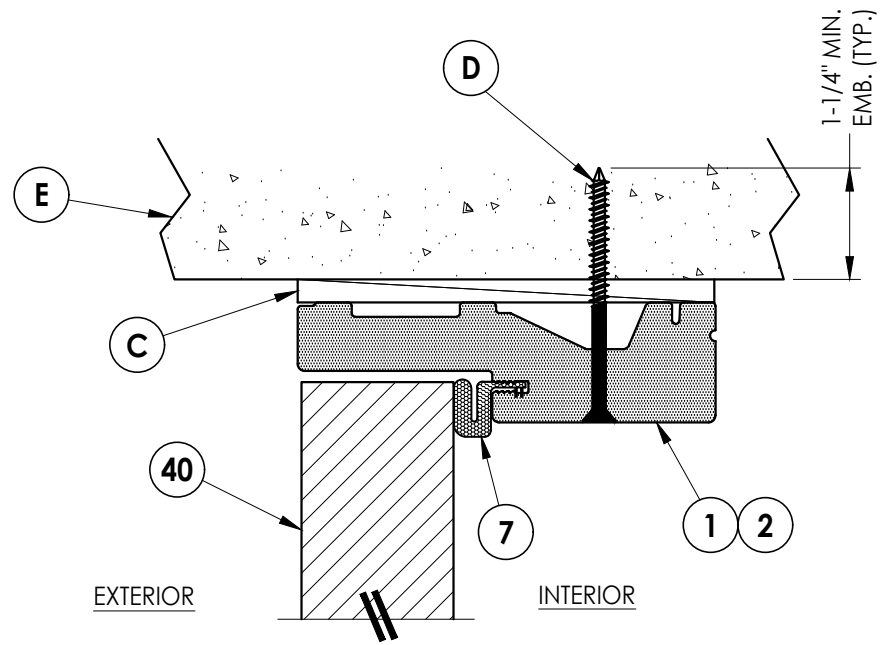
4 **VERTICAL CROSS SECTION**
7 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck

[illegible]

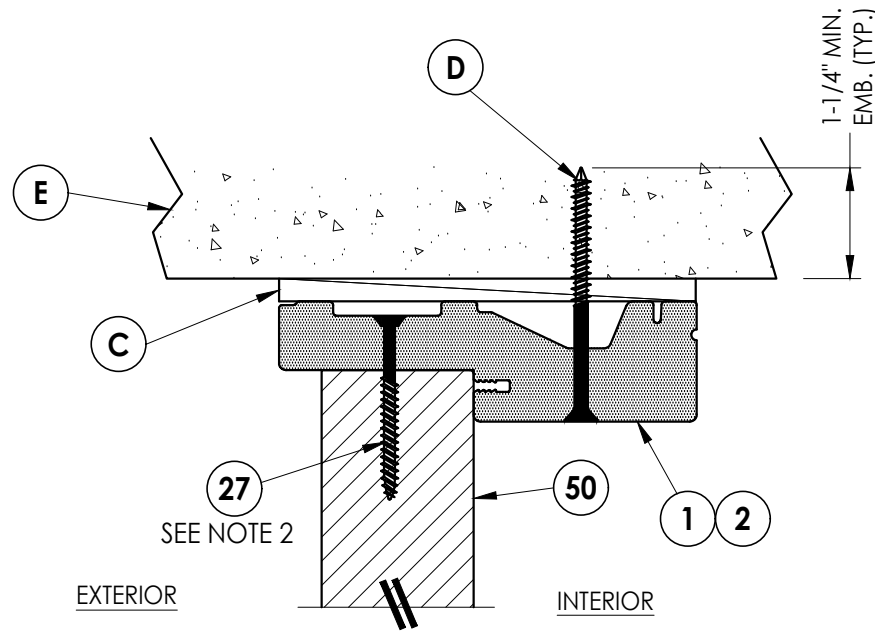
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- Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
 2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



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

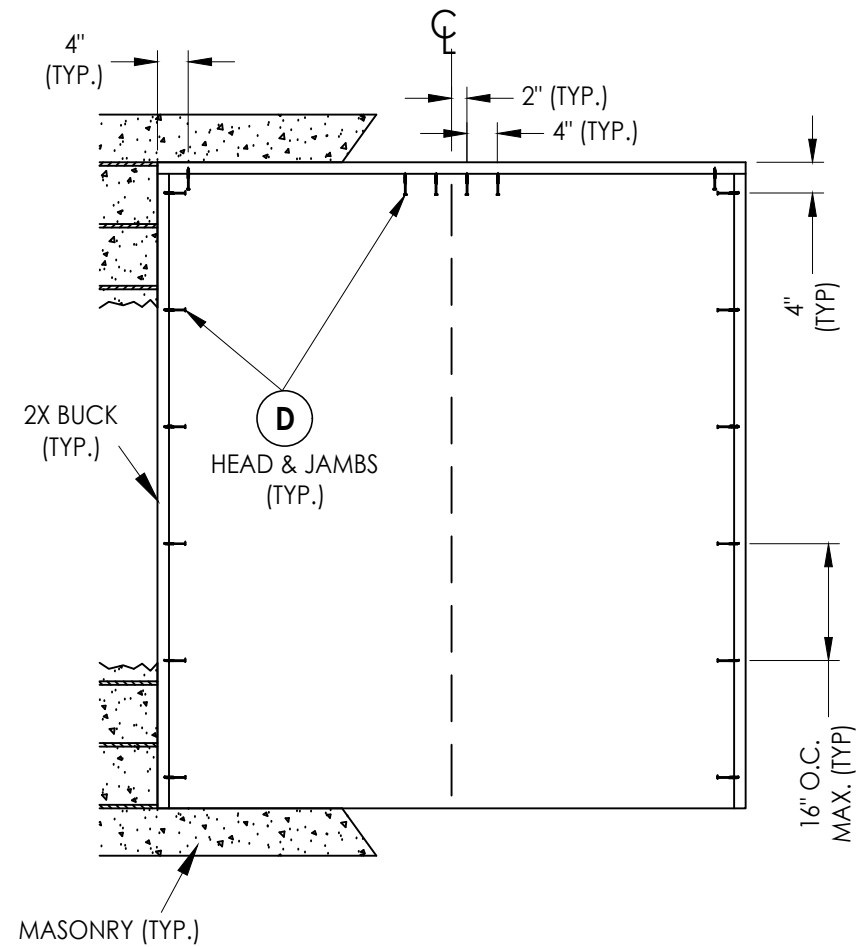


4 VERTICAL CROSS SECTION
8 Outswing Shown (Inswing Similar)
Shown Direct to Masonry

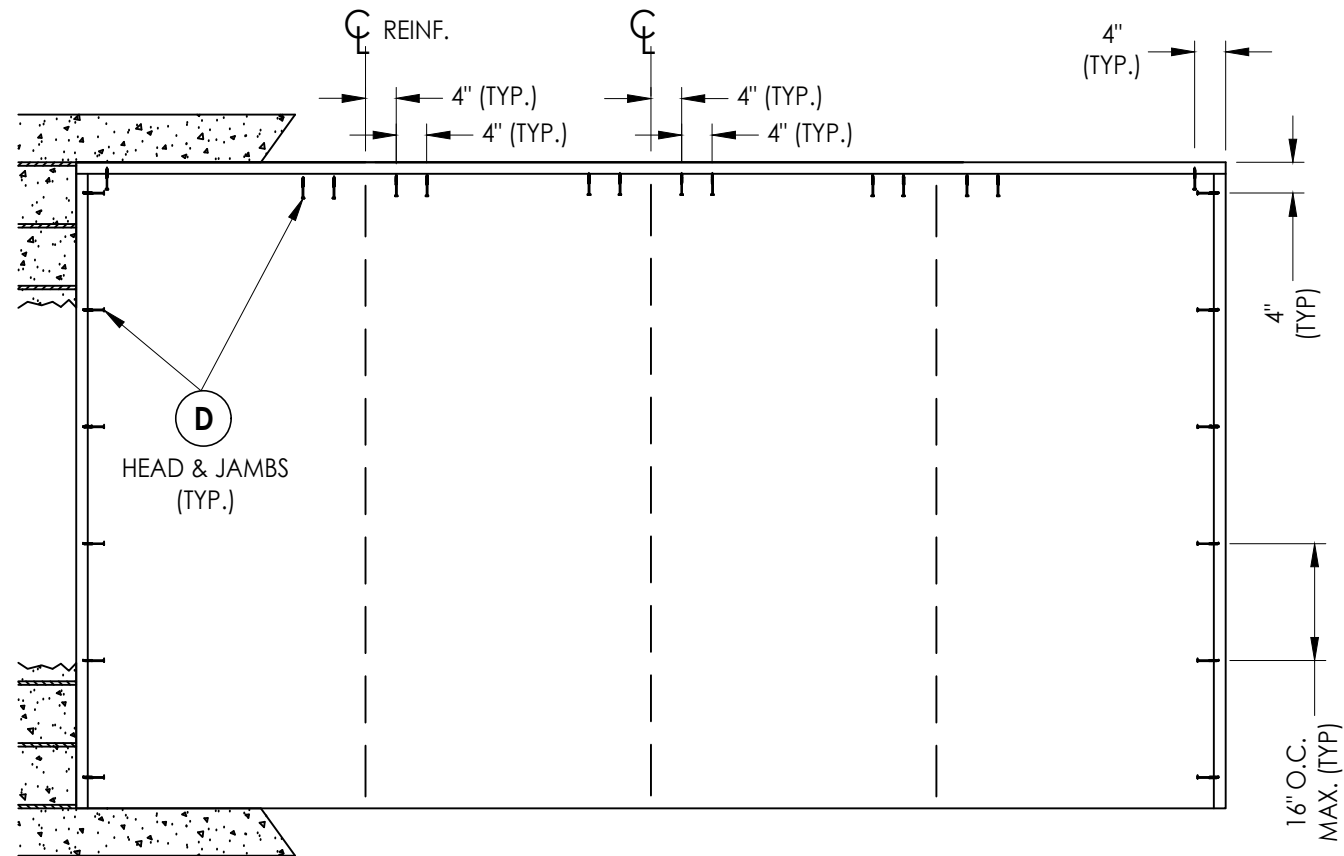
Documents Prepared By:		Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		TRINITY FIBERGLASS PATIO DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
				REVISIONS	
				DATE: 1/30/25	
				SCALE: N.T.S.	
				DWG. BY: RW	
				CHK. BY: LFS	
				DRAWING NO.: FL-47284.8	
				SHEET 8 OF 12	
				NO. DATE	
				1 6/20/25 ADD GLAZING DETAIL G3	
				LFS BY	

1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).

[illegible]



XX



OXXO (Shown)
XXO, OXX (Similar)

2X BUCK ANCHORING

[illegible]

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
J	#10 X 3" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
X	2X REINFORCEMENT (SG = 0.55)	WOOD
1	PVC JAMB	PVC
2	WOOD JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	#9 X 3/4" PFH WOOD SCREW	STEEL
10	#9 X 1" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
16	INSWING SIDELITE ADAPTER	PVC
22	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL
55	#8 X 1" PFH WS	STEEL

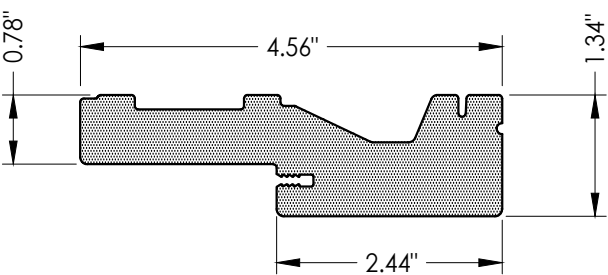
CONCRETE ANCHOR NOTES:

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:

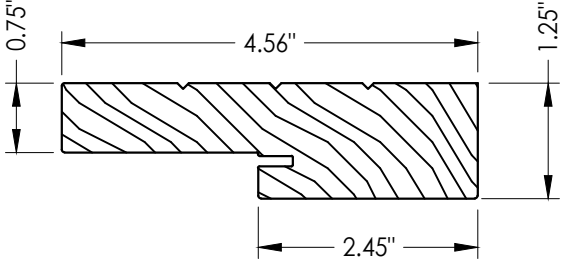
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®+	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

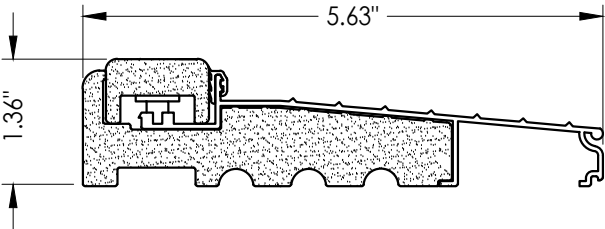
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



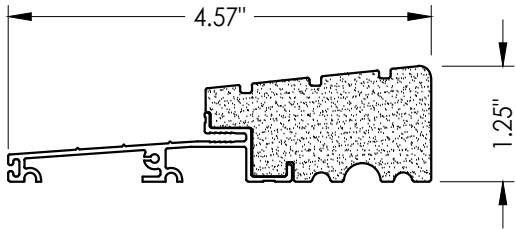
1 PVC JAMB



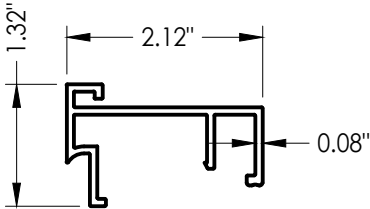
2 WOOD JAMB
FINGER JOINTED PINE



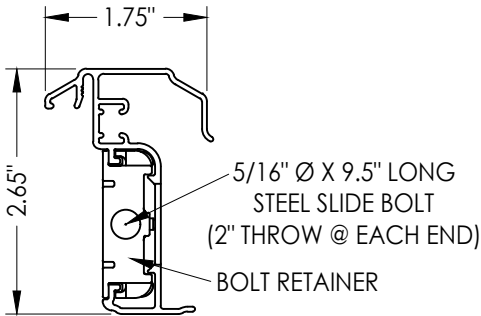
14 INSWING THRESHOLD



15 OUTSWING THRESHOLD



16 INSWING SIDELITE ADAPTER



53 **ENDURA ASTRAGAL** Ultimate Hurricane

[illegible]