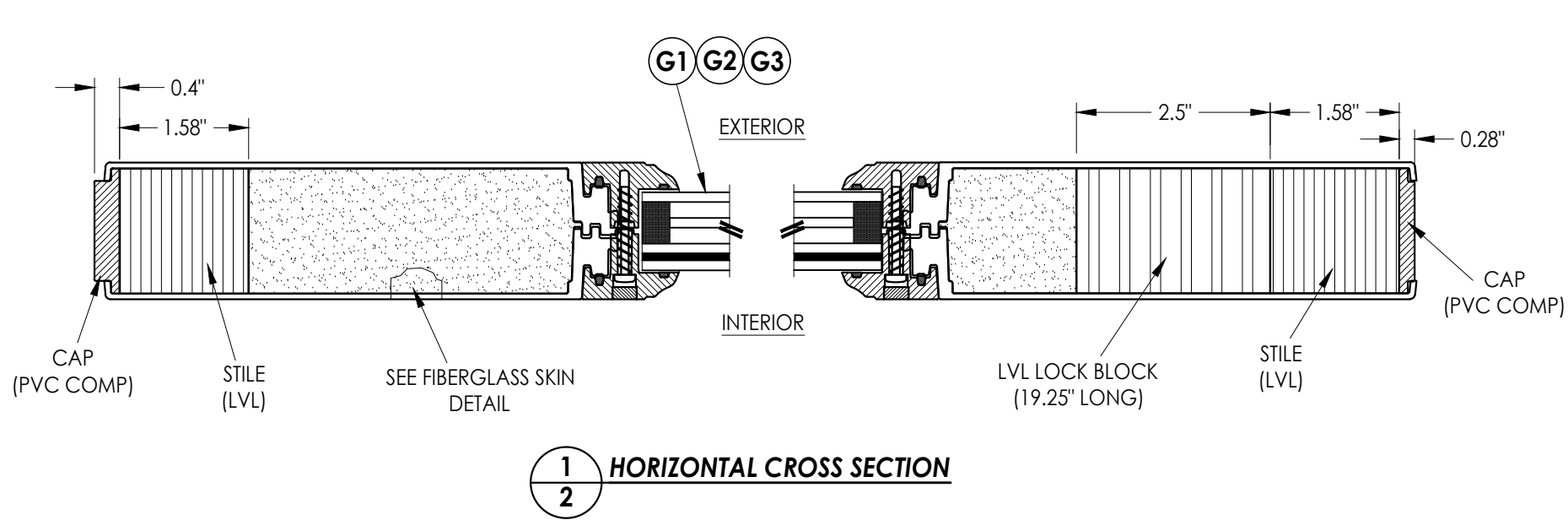
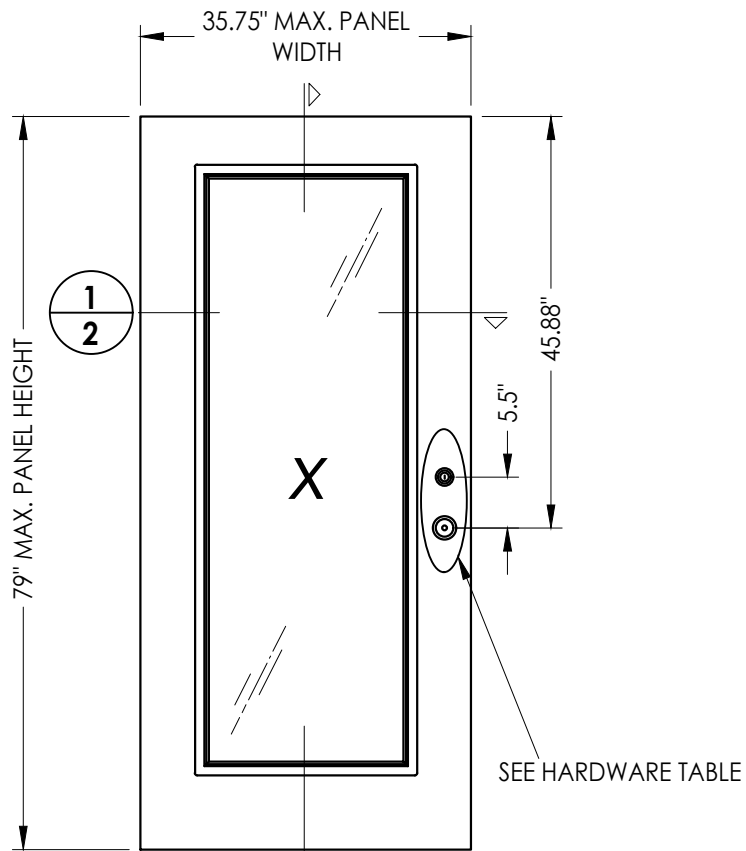


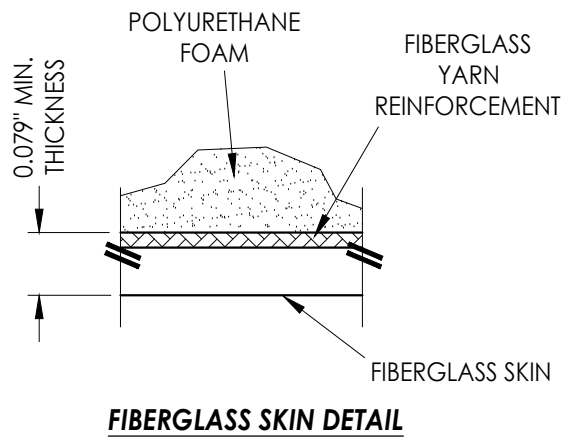
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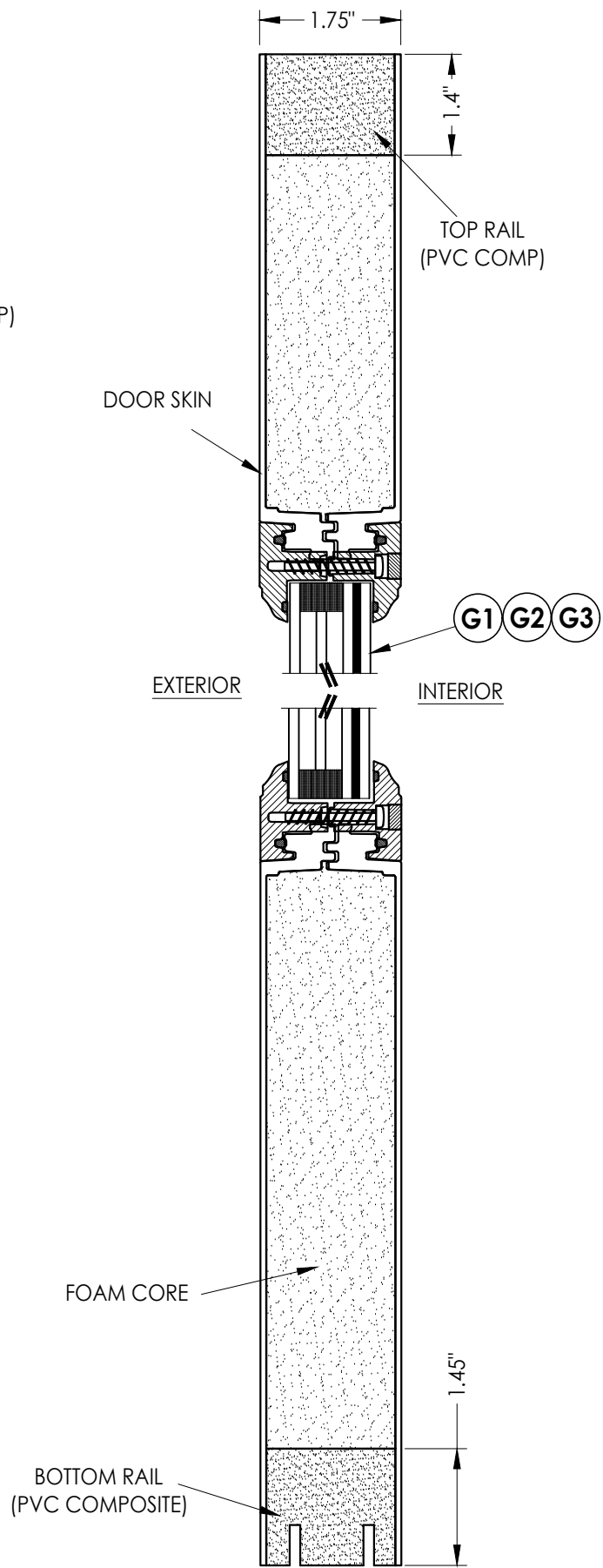
1
2 HORIZONTAL CROSS SECTION



- 40 FIBERGLASS DOOR PANEL
- 50 FIBERGLASS SIDELITE PANEL



HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	Deadbolt:	B60N

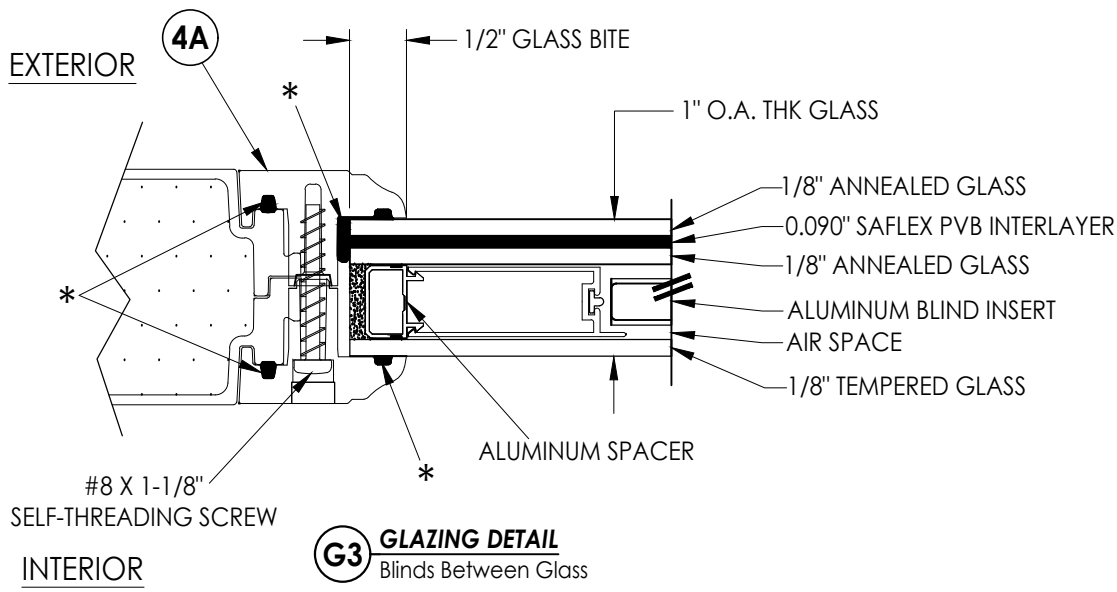
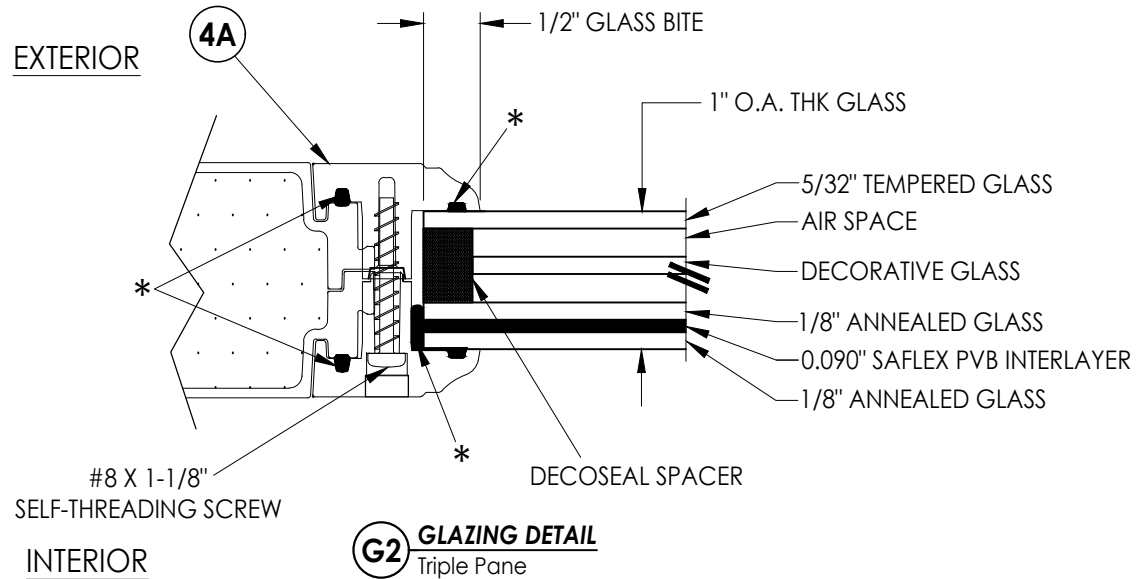
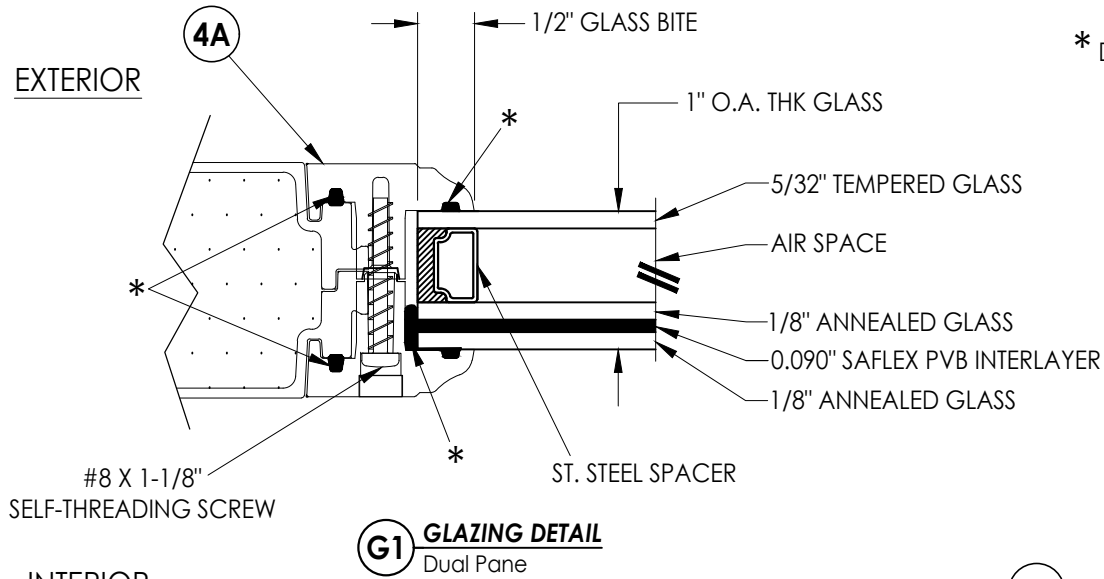
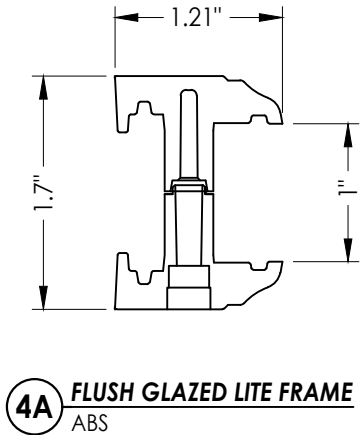
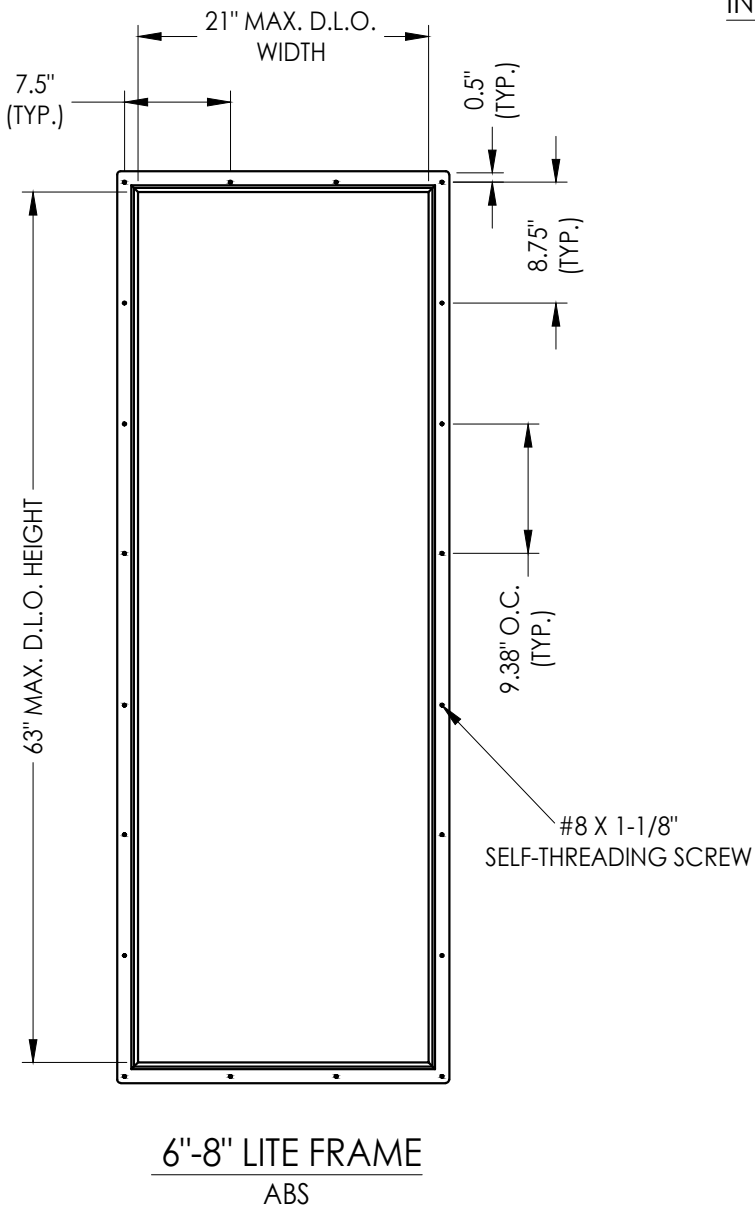


2
2 VERTICAL CROSS SECTION

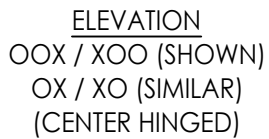
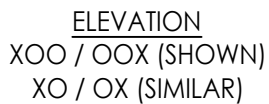
FIBERGLASS SKIN: 0.079" MIN. THK. (Fy = 10,000 PSI MIN.)
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT:		TRINITY FIBERGLASS PATIO DOOR "Impact"		PART OR ASSEMBLY:		DOOR & SIDELITE PANEL DETAILS	
				LFS	FBC	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS		
1	8/01/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS		
NO.	DATE			BY			
DATE: 1/28/21				SCALE: N.T.S.			
DWG. BY: RW				CHK. BY: LFS			
DRAWING NO.: FL-37184.1				SHEET 2 OF 12			

Z:\2023 FBC Drawings\Trinity Glass Int\FL-37184 R2\FL-37184.1.dwg



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 "Impact"	PART OR ASSEMBLY: LITE FRAME GLAZING DETAILS	
		REVISIONS	
		2	7/01/26 UPDATE TO 9TH ED. (2026) FBC
		1	8/01/23 UPDATE TO 8TH ED. (2023) FBC
		NO.	DATE
DATE: 1/28/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37184.1			
SHEET 3 OF 12			

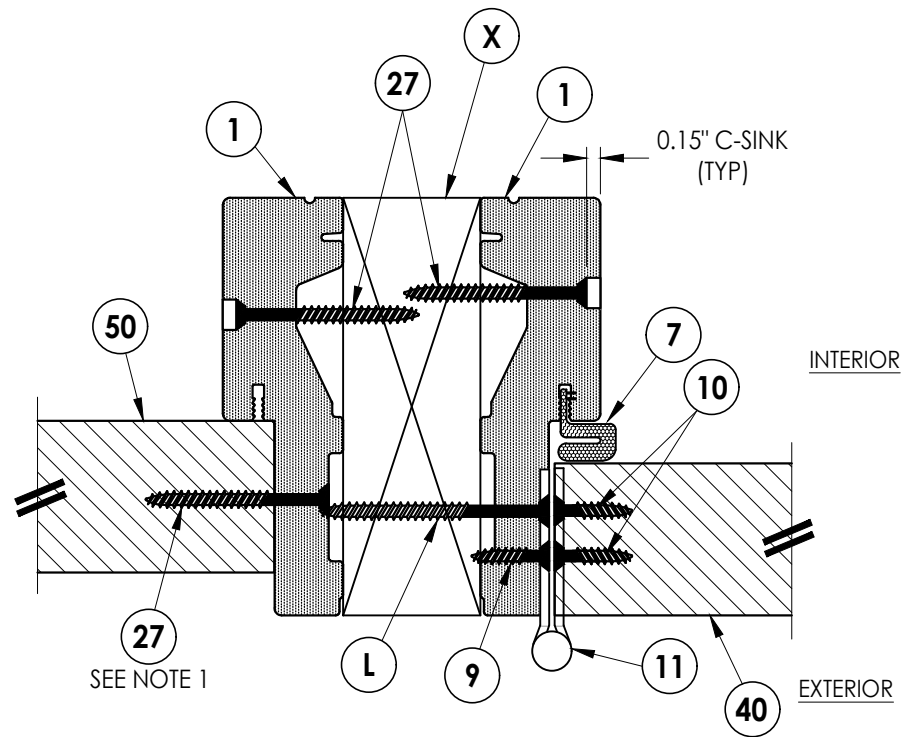
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PRODUCT: TRINITY
FIBERGLASS PATIO DOOR
"Impact"
PART OR ASSEMBLY: ELEVATIONS

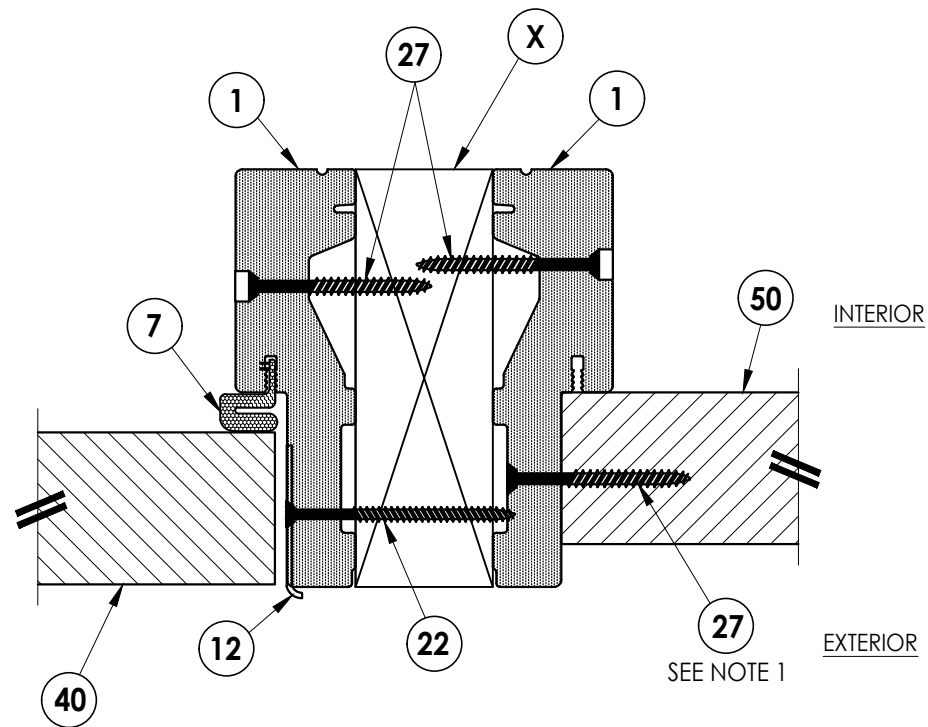
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

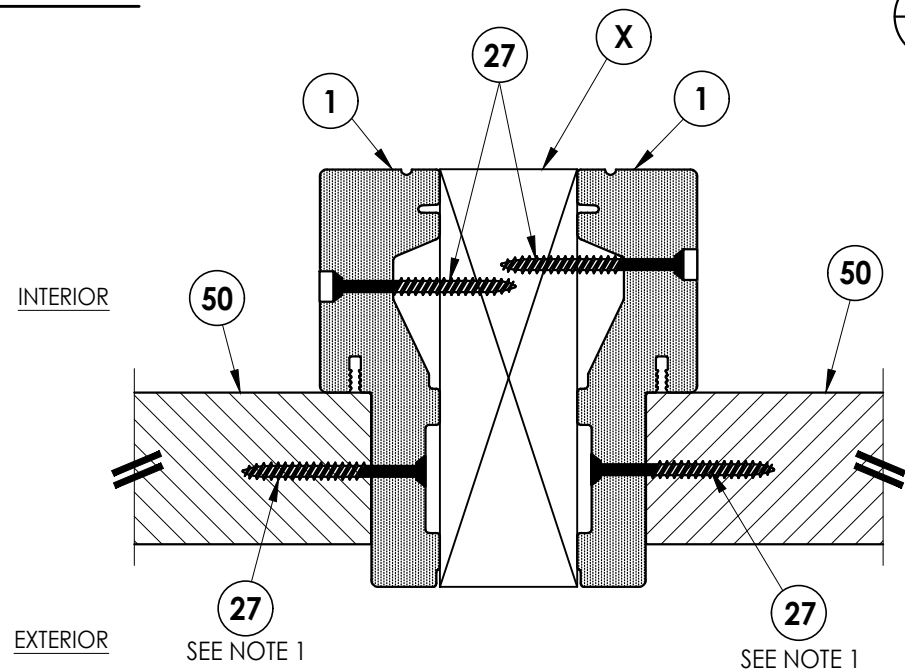
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1
5 **HORIZONTAL CROSS SECTION**



2
5 **HORIZONTAL CROSS SECTION**



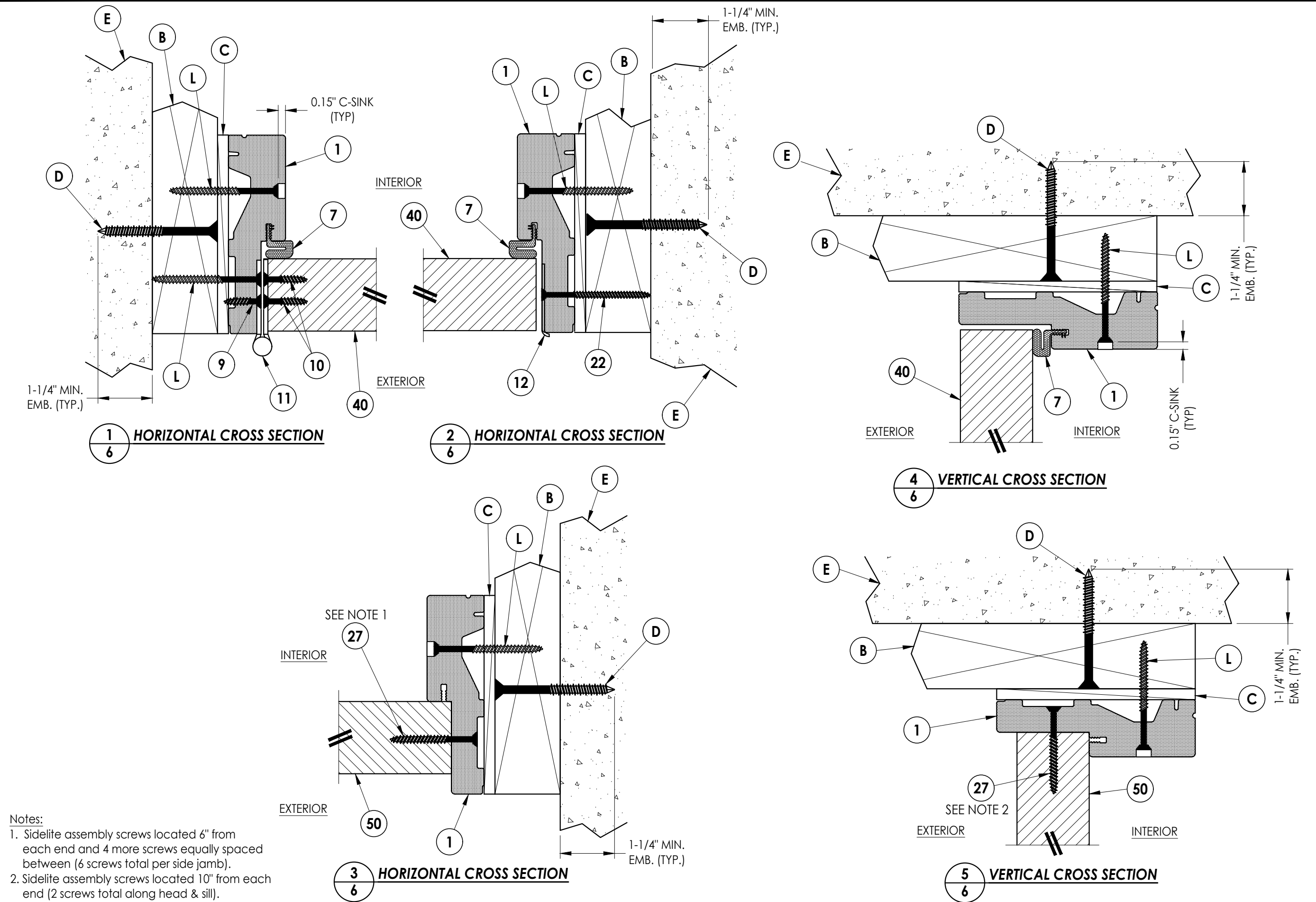
3
5 **HORIZONTAL CROSS SECTION**

Notes:

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

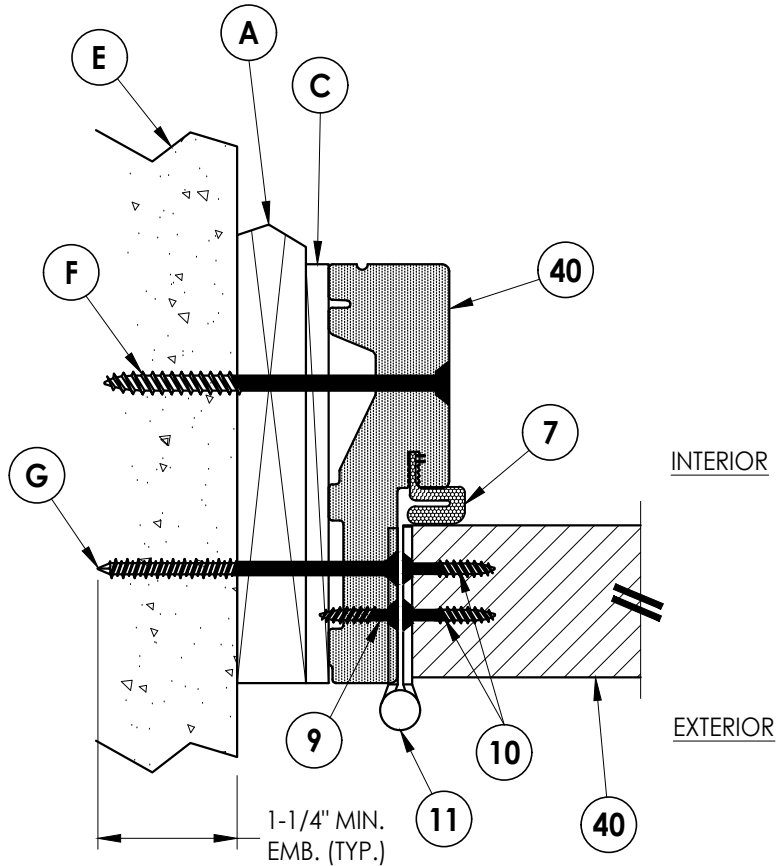
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409										<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
<u>PRODUCT:</u>					TRINITY					FIBERGLASS PATIO DOOR "Impact"									
<u>PART OR ASSEMBLY:</u>																			
HORIZONTAL										CROSS SECTIONS									
NO.		DATE		REVISIONS				UPDATE TO 9TH ED. (2026)		FBC		LFS							
								UPDATE TO 8TH ED. (2023)		FBC		LFS							
BY																			
2		7/01/26		UPDATE TO 9TH ED. (2026)				FBC		LFS									
1		8/01/23		UPDATE TO 8TH ED. (2023)				FBC		LFS									
DATE: 1/28/21																			
SCALE: N.T.S.																			
DWG. BY: RW																			
CHK. BY: LFS																			
DRAWING NO.: FL-37184.1																			
SHEET 5 OF 12																			

Z:\2023 FBC Drawings\Trinity Glass Int\FL-37184 R2\FL-37184.1.dwg

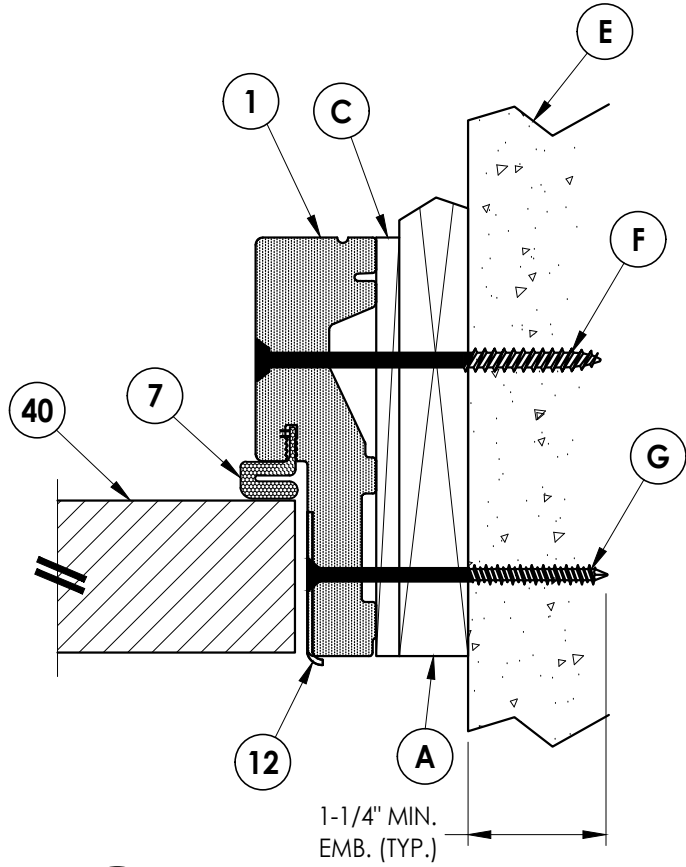


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409										RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
PRODUCT: TRINITY FIBERGLASS PATIO DOOR "Impact"										PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

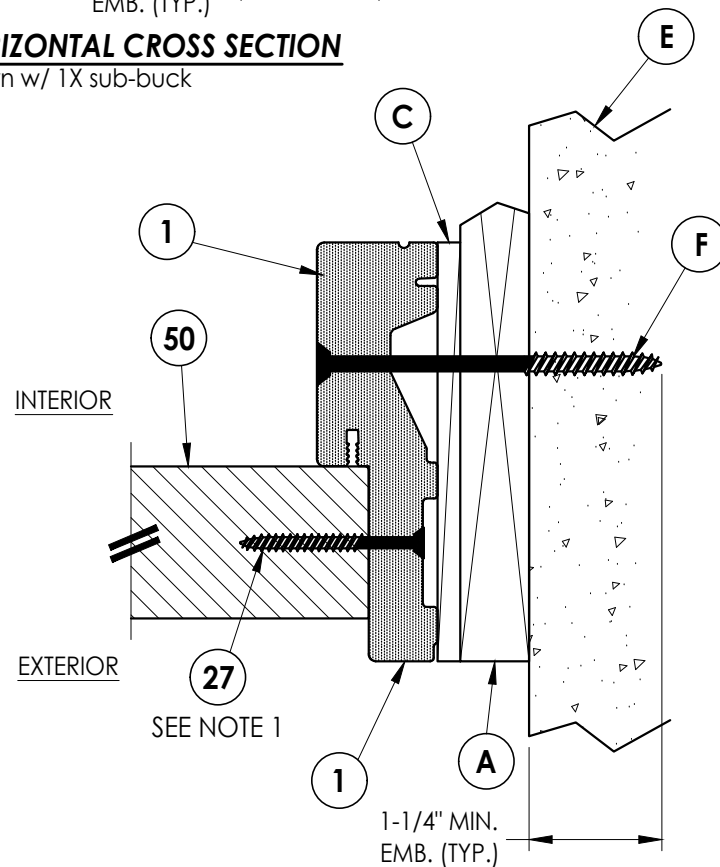
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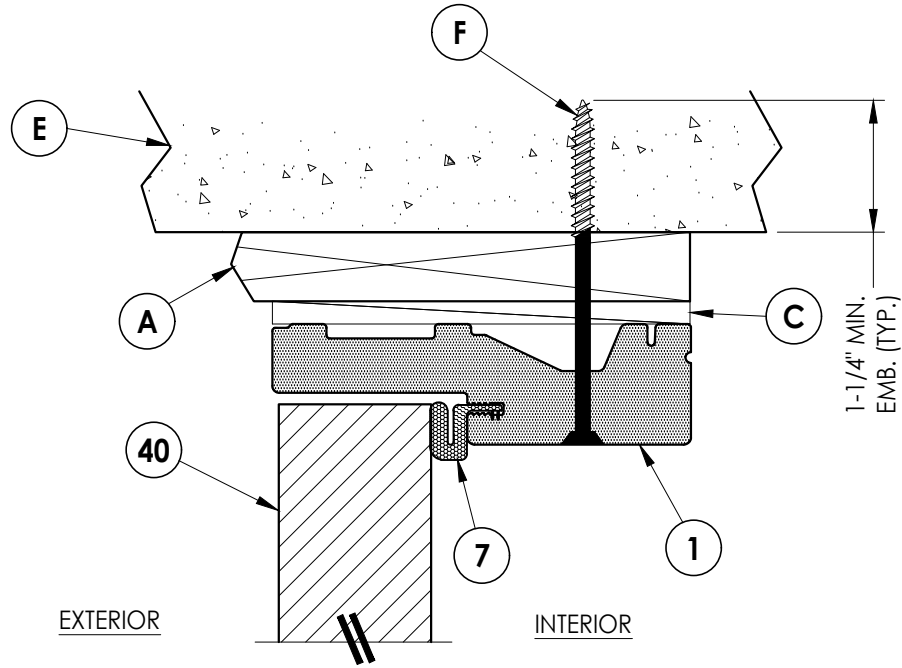
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7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck



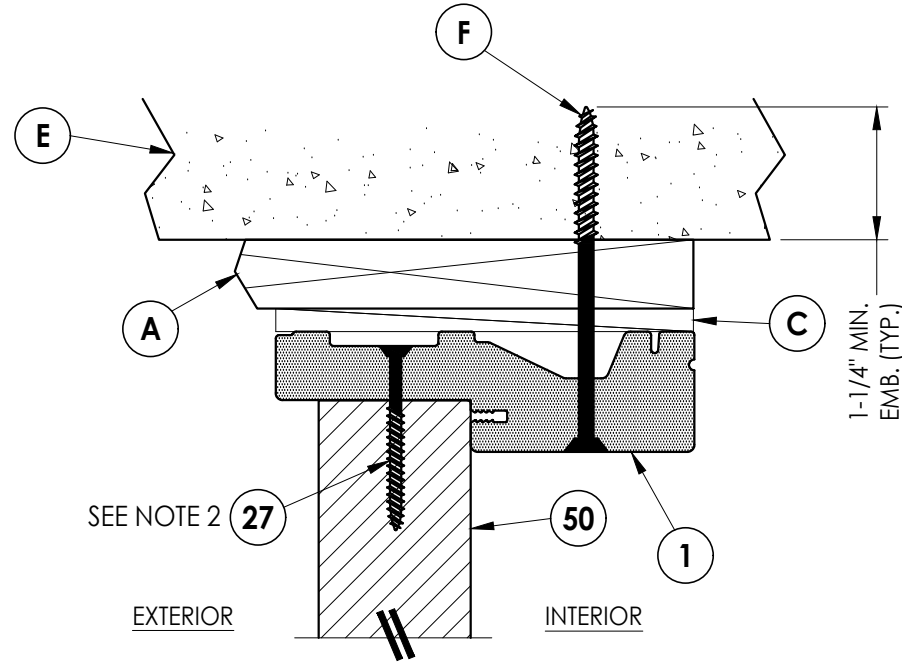
2
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck



3
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck



4
7 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck

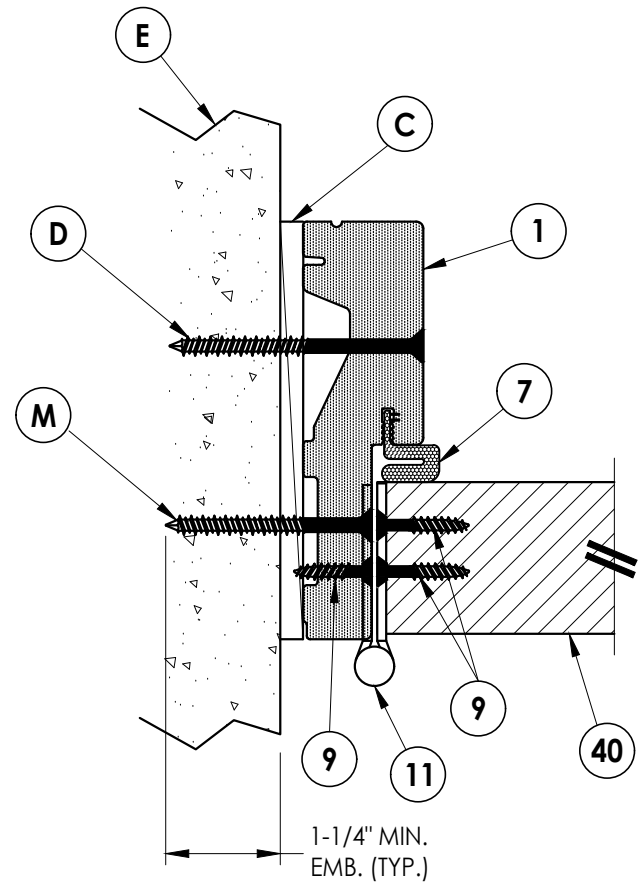


5
7 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck

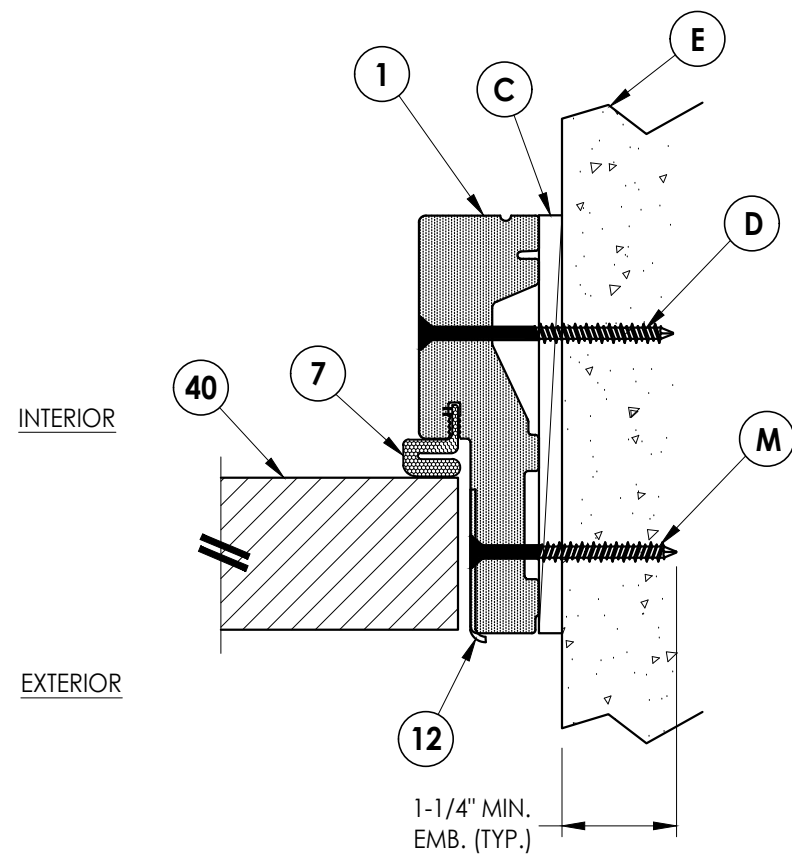
- Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
 2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).

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 "Impact"	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
		REVISIONS	
		LFS	BY
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	
1	8/01/23	UPDATE TO 8TH ED. (2023)	
NO.	DATE		
DATE: 1/28/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37184.1			
SHEET 7 OF 12			

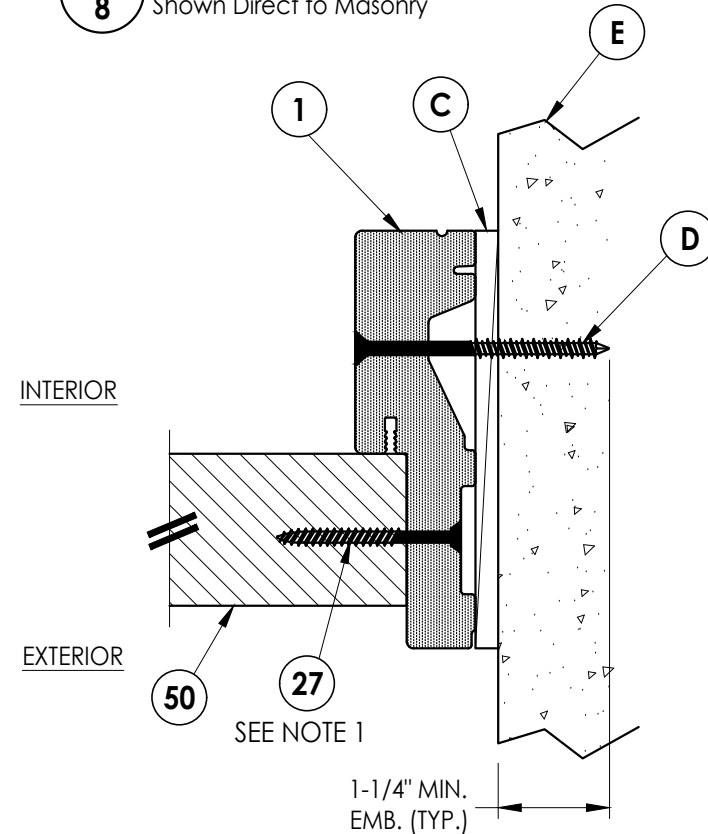
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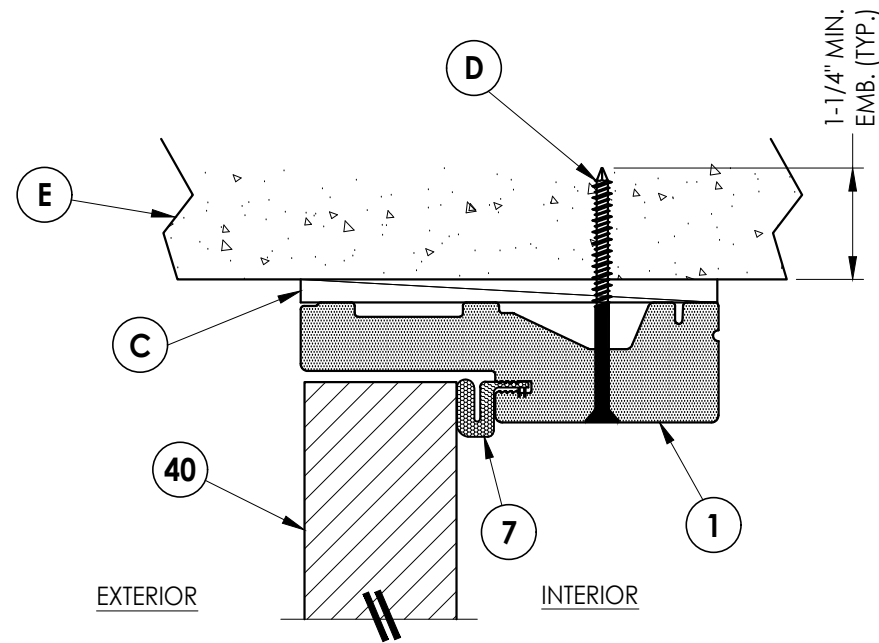
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8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry



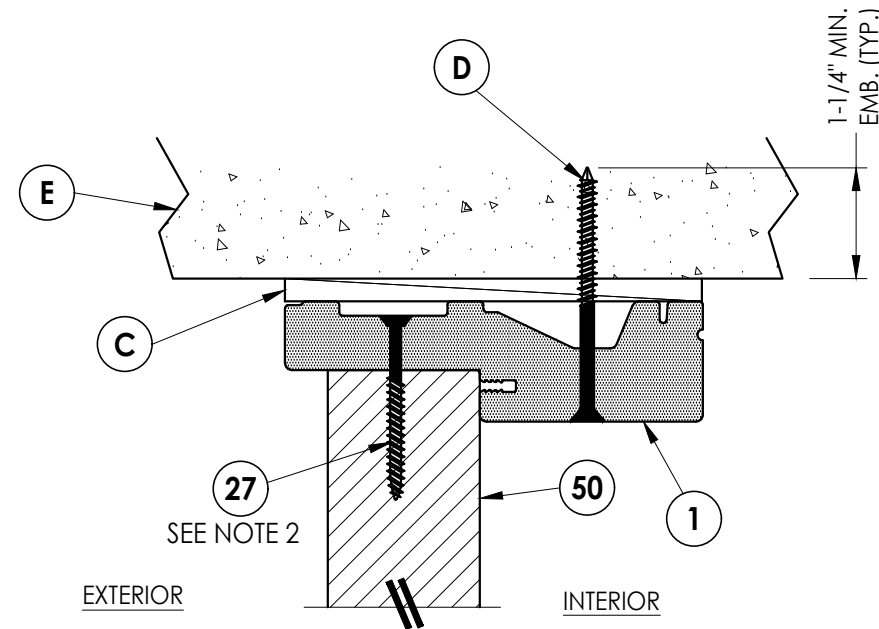
2
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry



3
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry



4
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry



5
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry

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).

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: TRINITY
FIBERGLASS PATIO DOOR
"Impact"

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

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS

DATE: 1/28/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

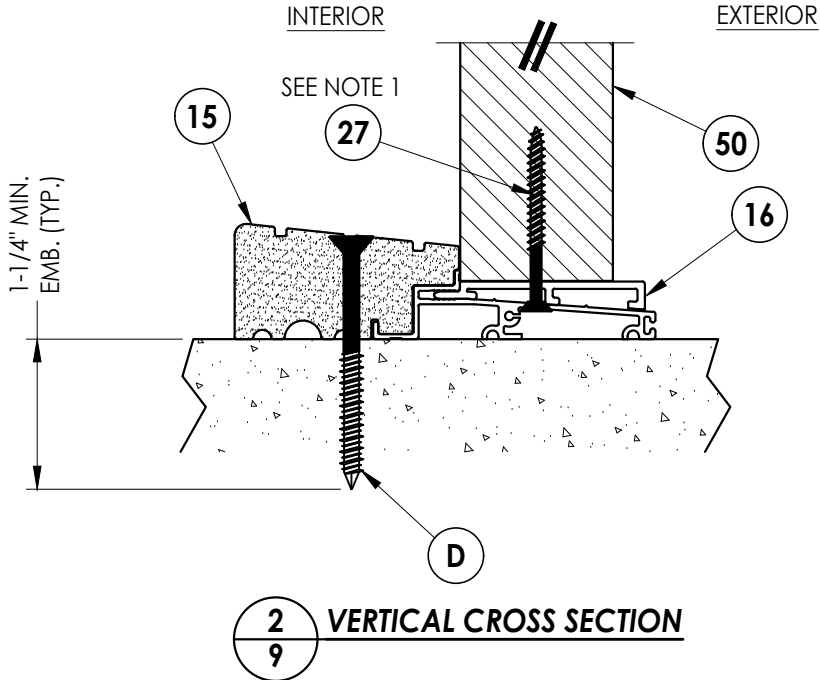
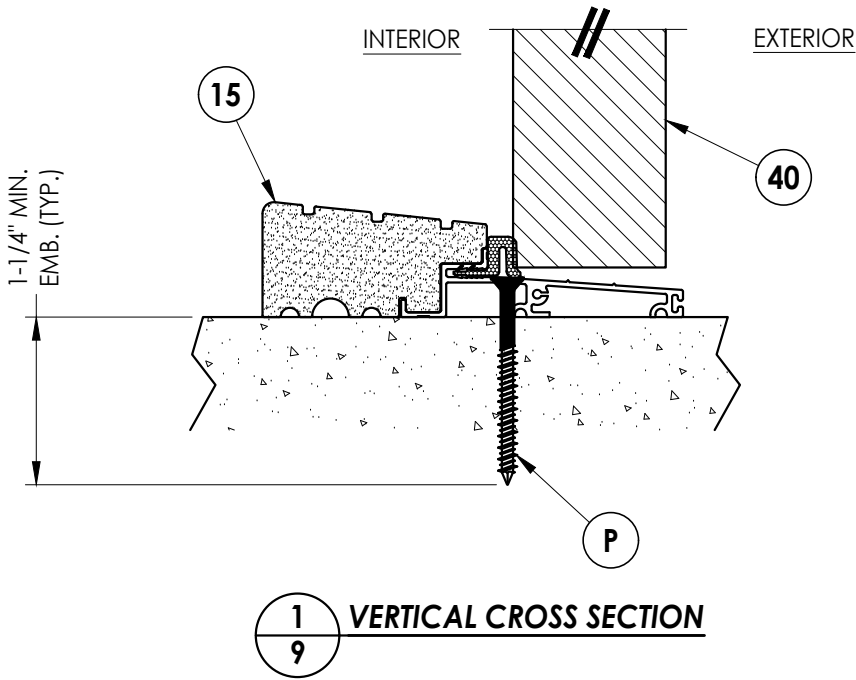
FL-37184.1

SHEET 8 OF 12

Z:\2023 FBC Drawings\Trinity Glass Int\FL-37184 R2\FL-37184.1.dwg

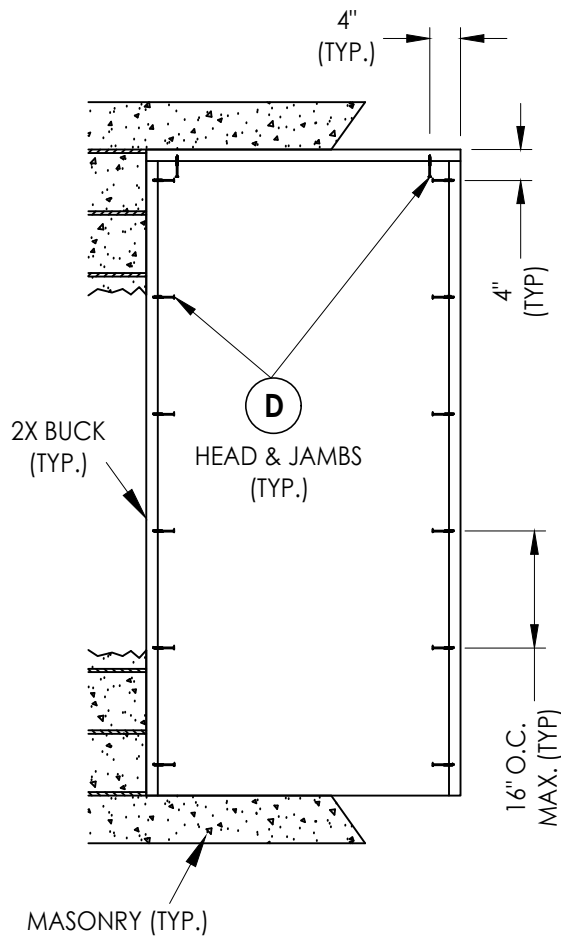
Notes:

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

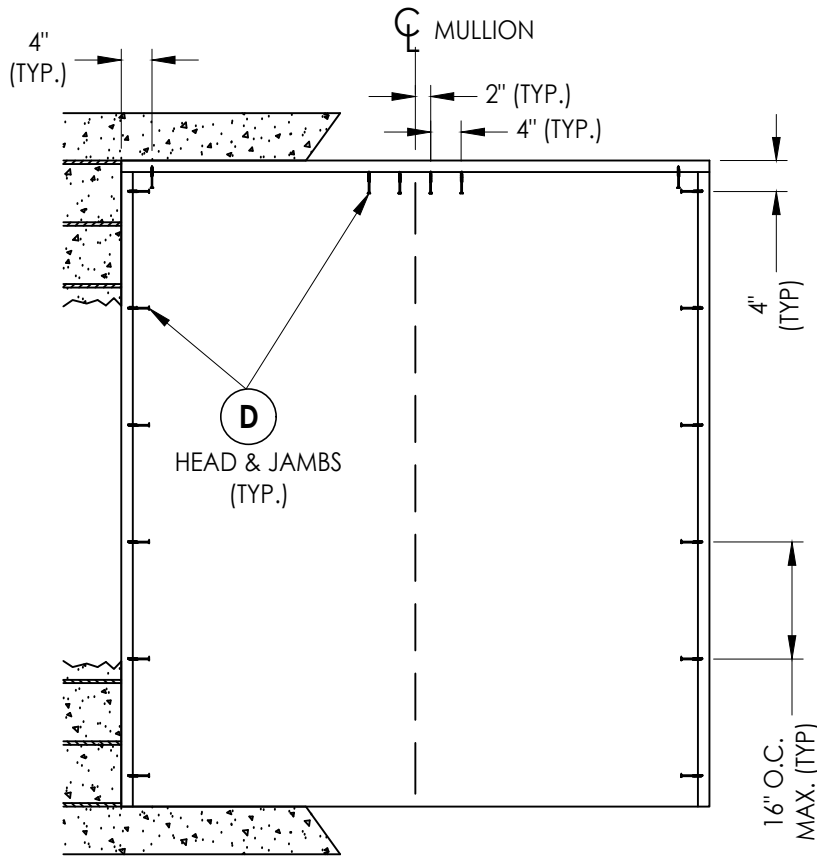


DATE: 1/28/21				PRODUCT: TRINITY		Documents Prepared By:	
SCALE: N.T.S.				FIBERGLASS PATIO DOOR		Lyndon F. Schmidt	
DWG. BY: RW				"Impact"		P.E. No. 43409	
CHK. BY: LFS				PART OR ASSEMBLY:		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-37184.1				VERTICAL CROSS SECTIONS (THRESHOLDS)			
SHEET 9		OF 12		NO.	DATE	BY	REVISIONS
				2	7/01/26	UPDATE TO 9TH ED. (2026)	LFS
				1	8/01/23	UPDATE TO 8TH ED. (2023)	LFS

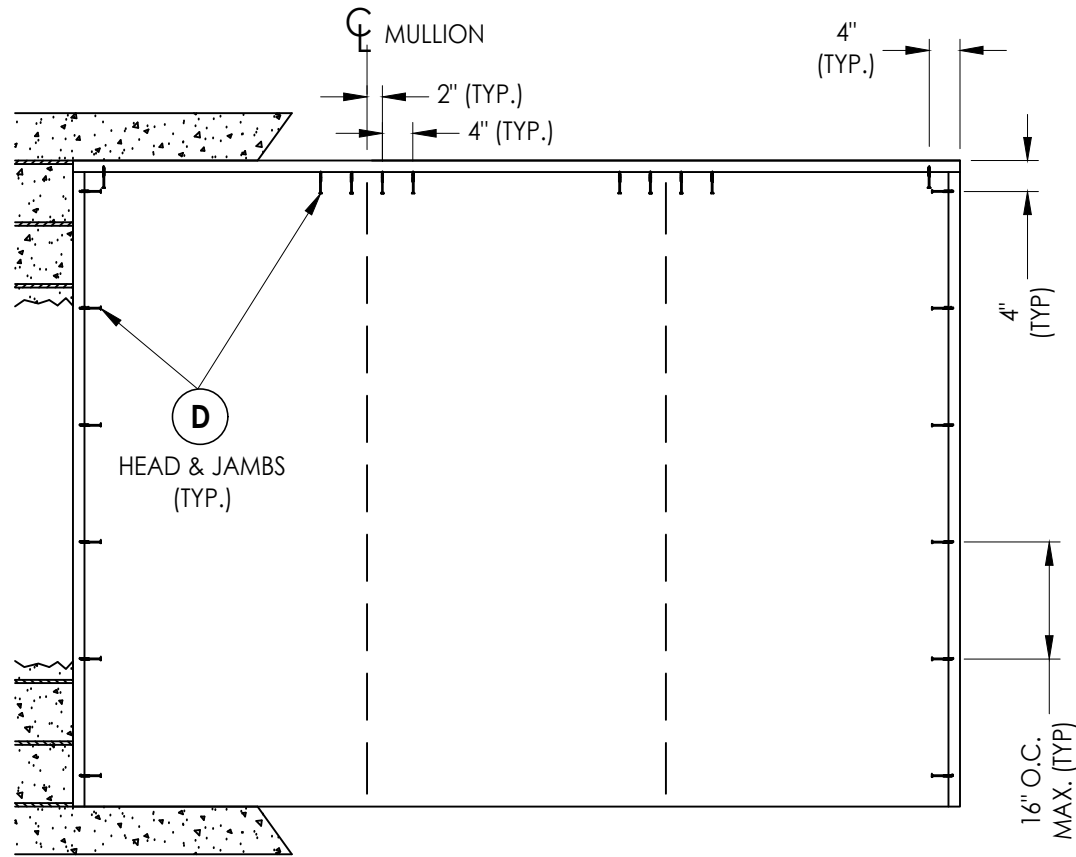
Z:\2023 FBC Drawings\Trinity Glass Int\FL-37184 R2\FL-37184.1.dwg



X



XO, OX



OXO, OOX, XOO

2X BUCK ANCHORING

DATE: 1/28/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-37184.1

SHEET 10 OF 12

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC
		BY

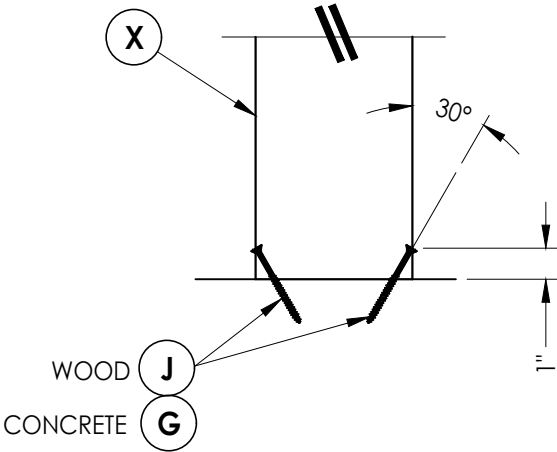
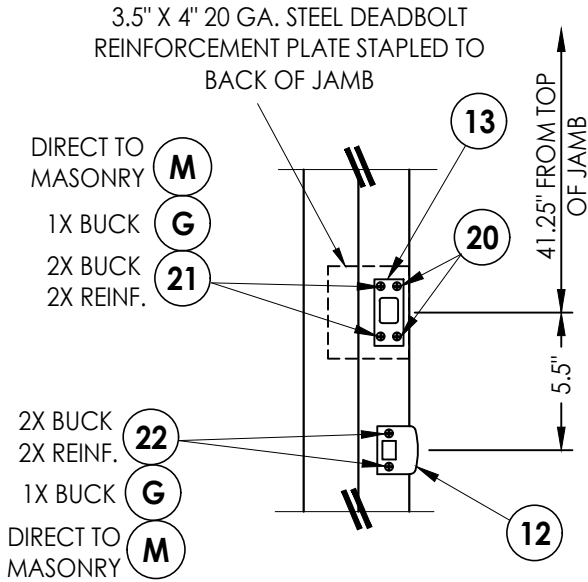
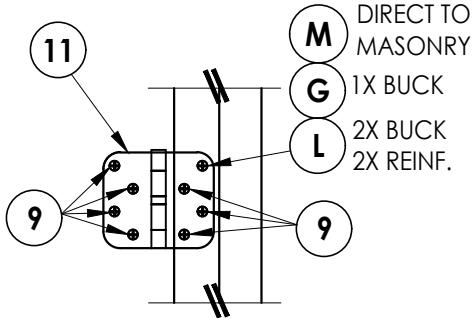
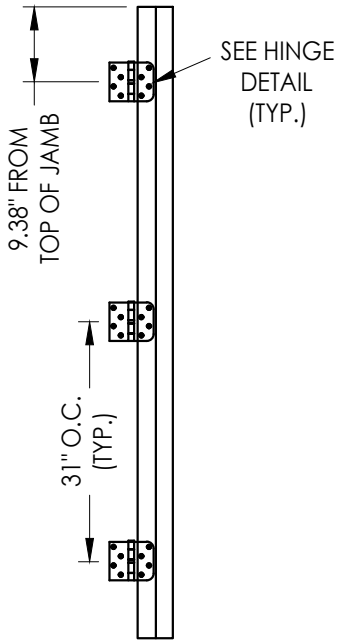
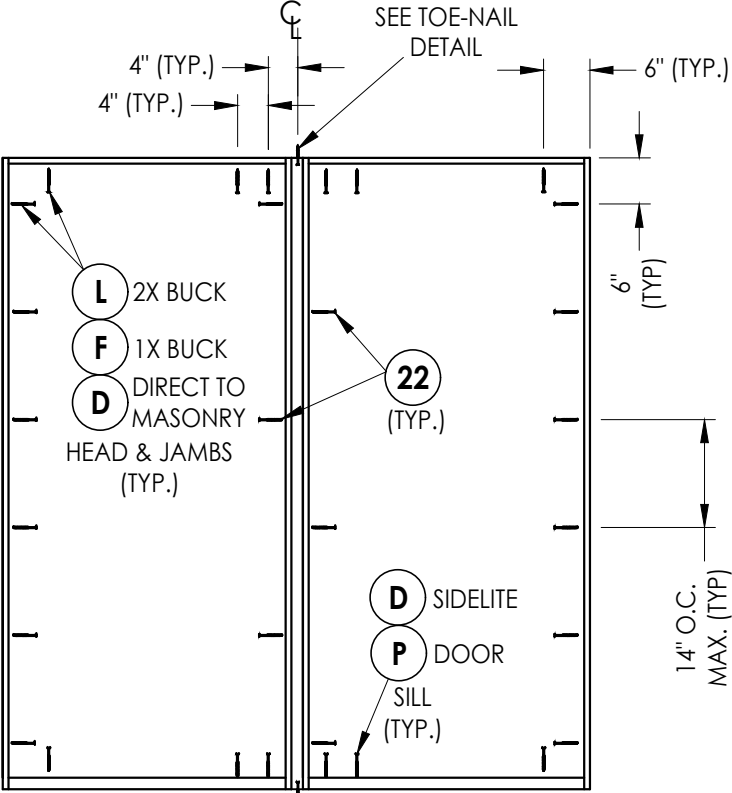
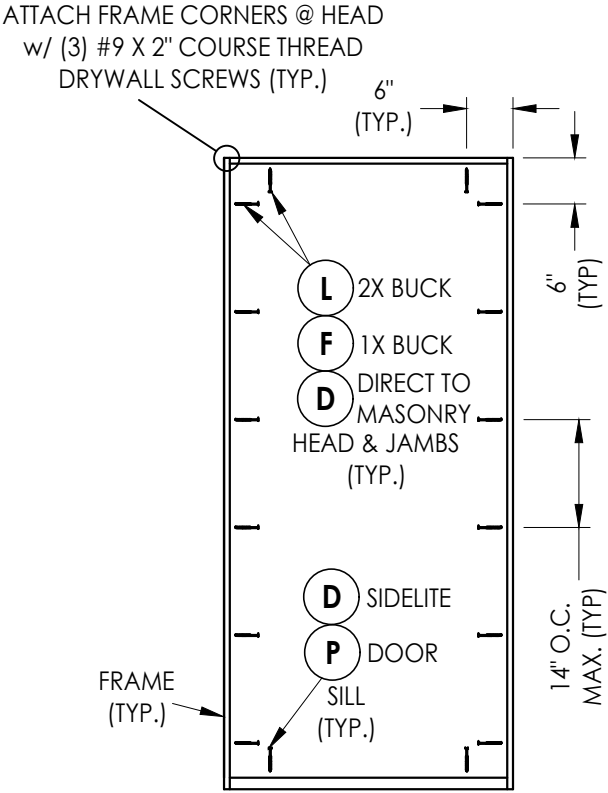
PRODUCT:	TRINITY
	FIBERGLASS PATIO DOOR
	"Impact"
PART OR ASSEMBLY:	
	BUCK ANCHORING

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

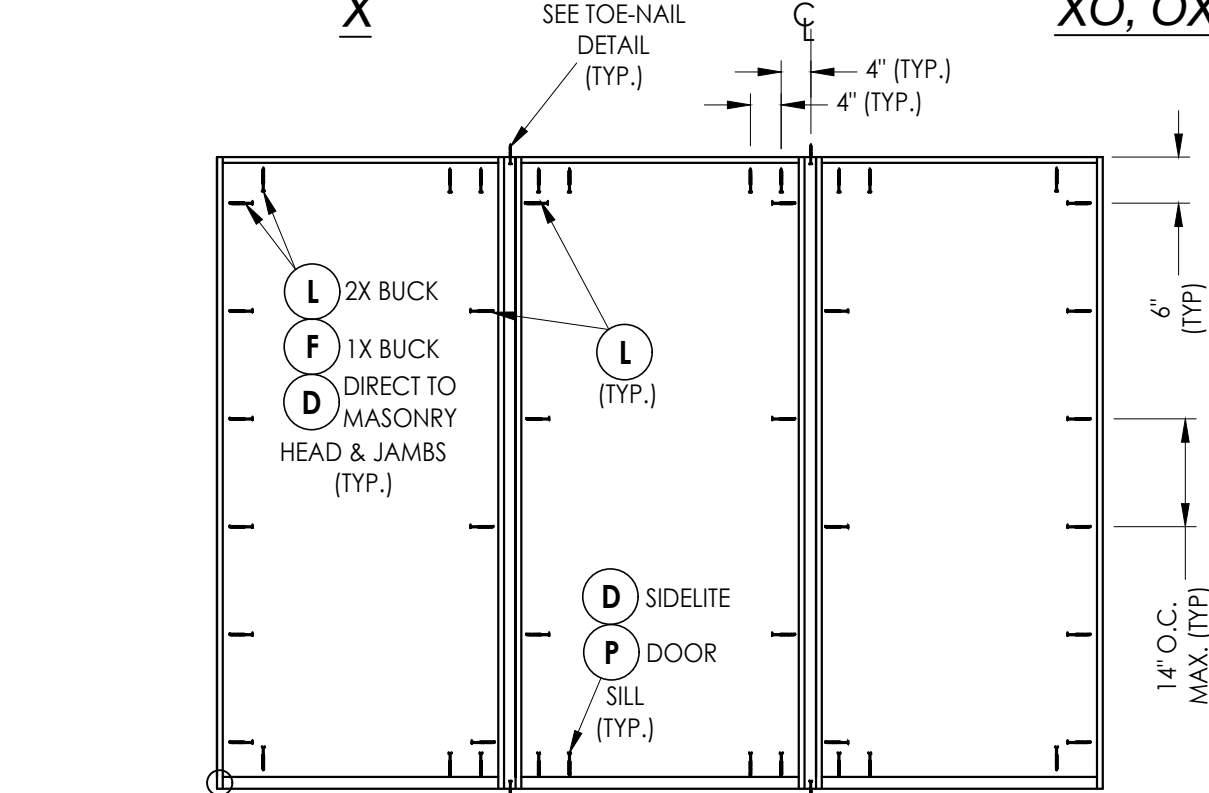
RW

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

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TYPICAL @ EACH 2X REINFORCEMENT
(SHOWN @ SILL - HEAD SIMILAR)



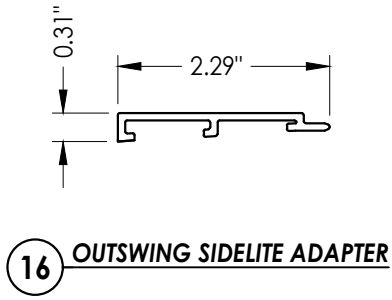
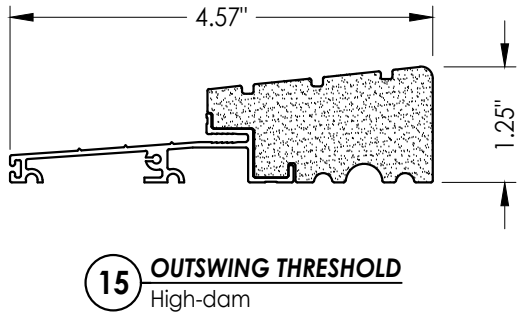
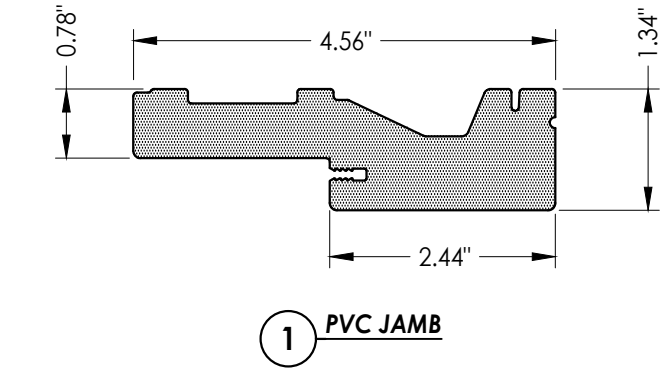
ATTACH FRAME CORNERS @ SILL
w/ (2) #9 X 2" COURSE THREAD
DRYWALL SCREWS (TYP.)

FRAME ANCHORING

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:		FRAME ANCHORING & HARDWARE DETAILS	
DATE	NO.	BY	REVISIONS
7/01/26	2	LFS	UPDATE TO 9TH ED. (2026) FBC
8/01/23	1	LFS	UPDATE TO 8TH ED. (2023) FBC
DATE: 1/28/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37184.1			
SHEET 11 OF 12			

Z:\2023 FBC Drawings\Trinity Glass Int\FL-37184 R2\FL-37184.1.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
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	COMP.
7	WEATHERSTRIP	FOAM
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
15	OUTSWING THRESHOLD	ALUM/COMP
16	OUTSWING SIDELITE ADAPTER	PVC
20	#9 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
22	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
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.

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 "Impact"		PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS	
				LFS	FBC		
				LFS	FBC		
				BY			
				REVISIONS			
			2	7/01/26	UPDATE TO 9TH ED. (2026)		
			1	8/01/23	UPDATE TO 8TH ED. (2023)		
			NO.	DATE			
DATE: 1/28/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-37184.1							
SHEET 12 OF 12							