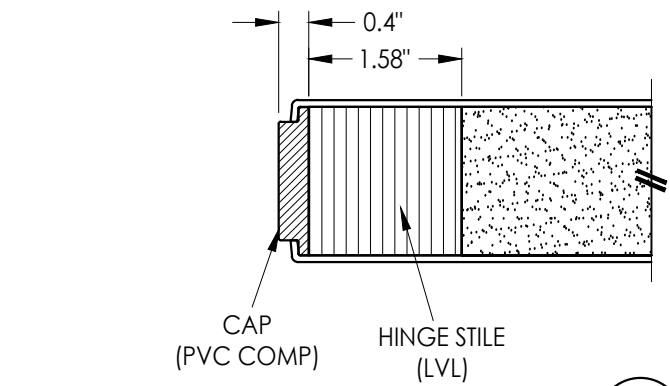
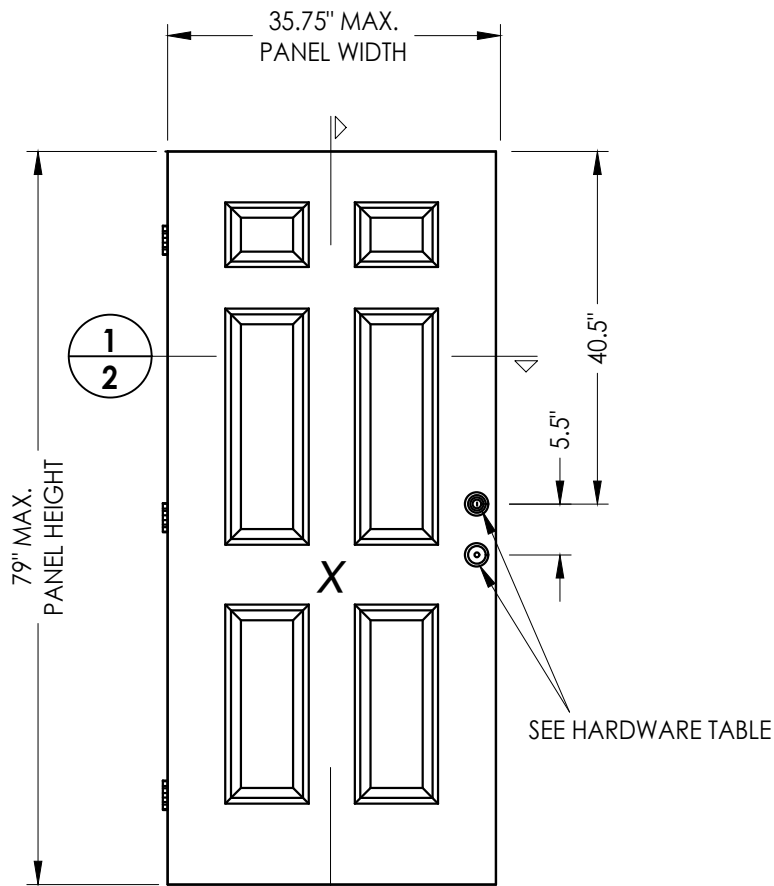


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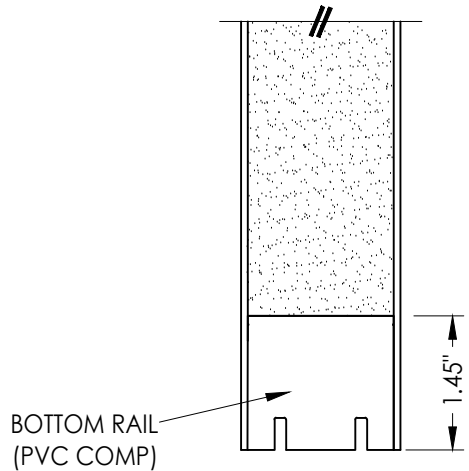
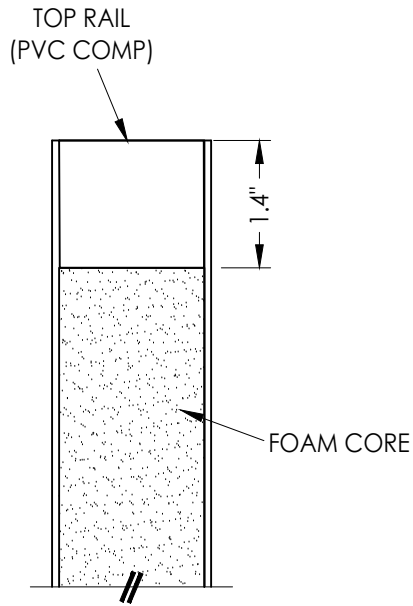


1
2 **HORIZONTAL CROSS SECTION**



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

FIBERGLASS SKIN: 0.079" MIN. THK.
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.)



2
2 **VERTICAL CROSS SECTION**

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:

DOOR
PANEL DETAILS

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	7/31/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 6/22/23

SCALE: N.T.S.

DWG. BY: RW

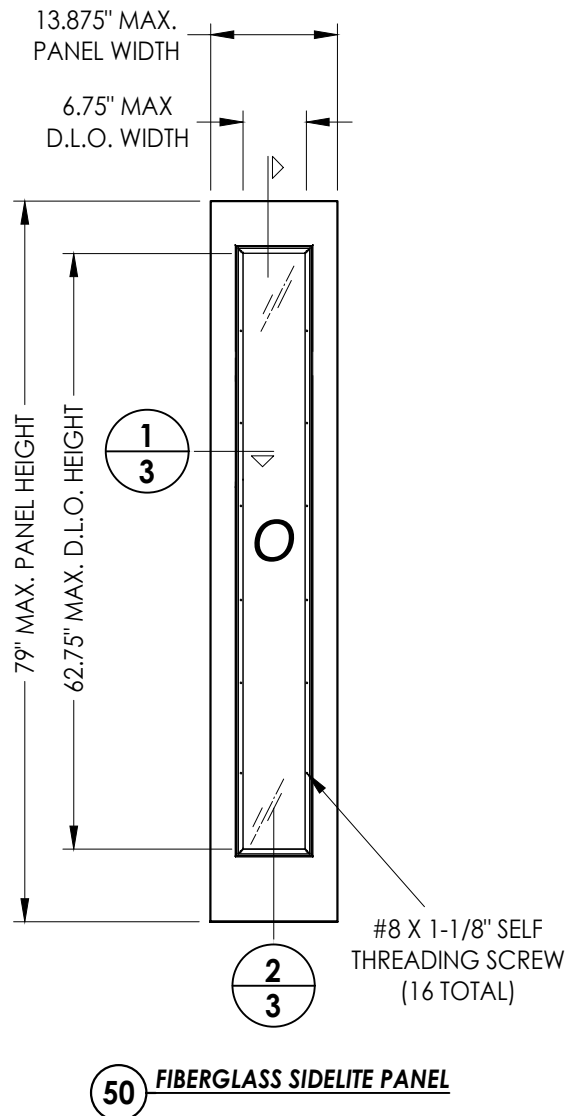
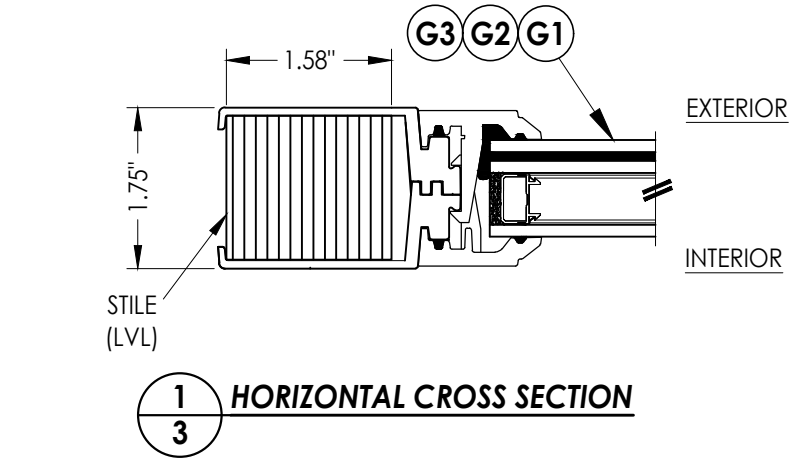
CHK. BY: LFS

DRAWING NO.:

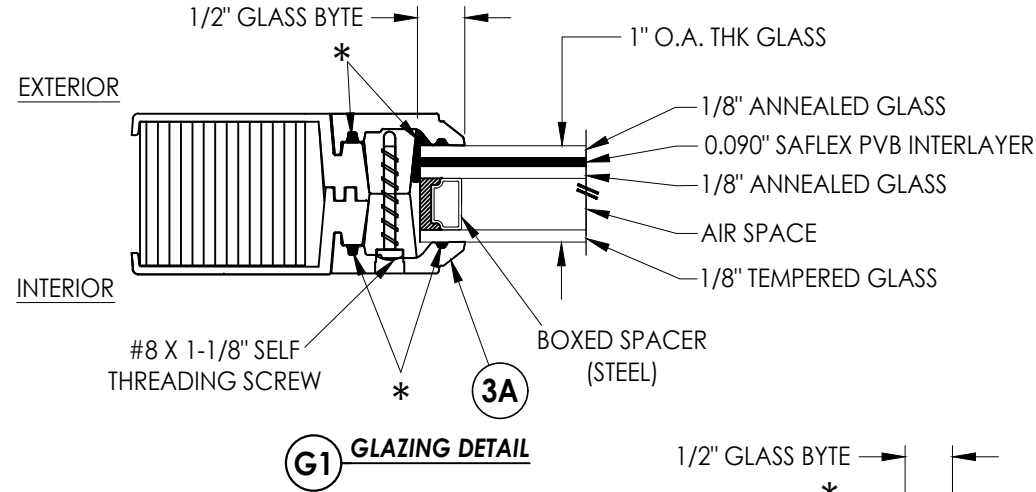
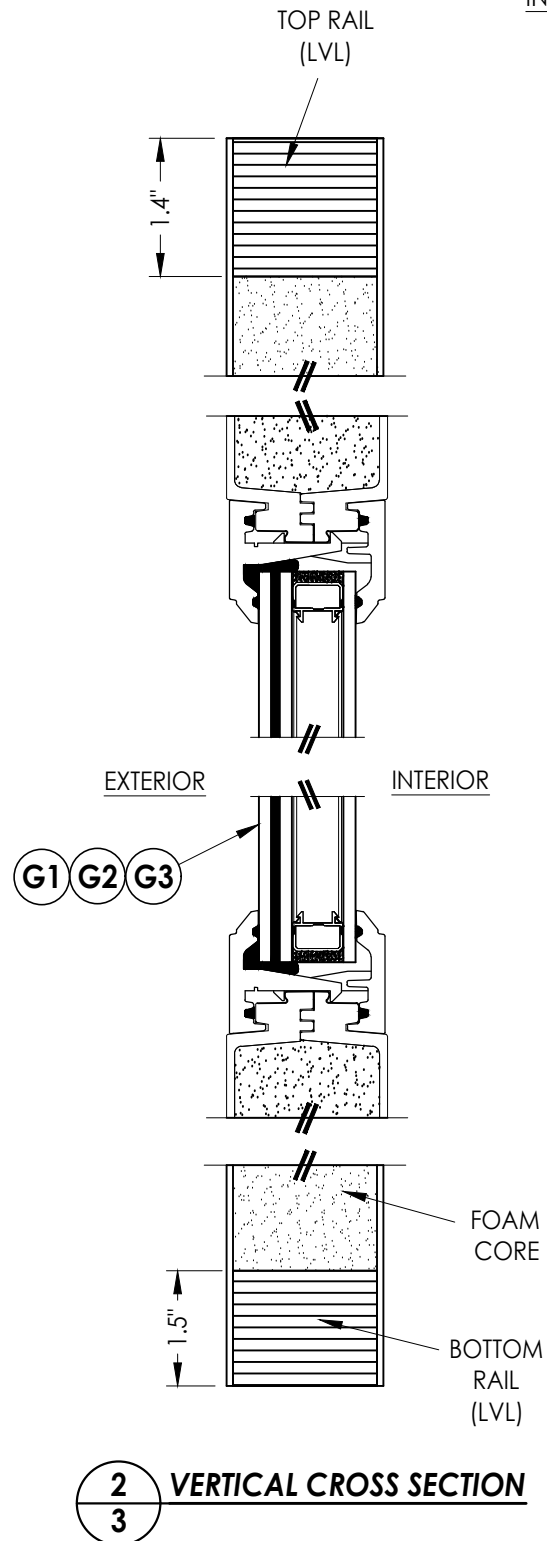
FL-37185.3

SHEET 2 OF 12

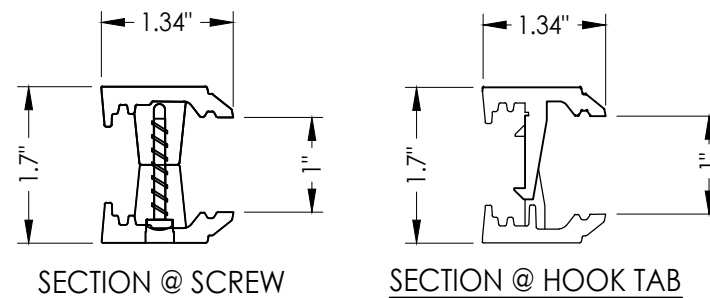
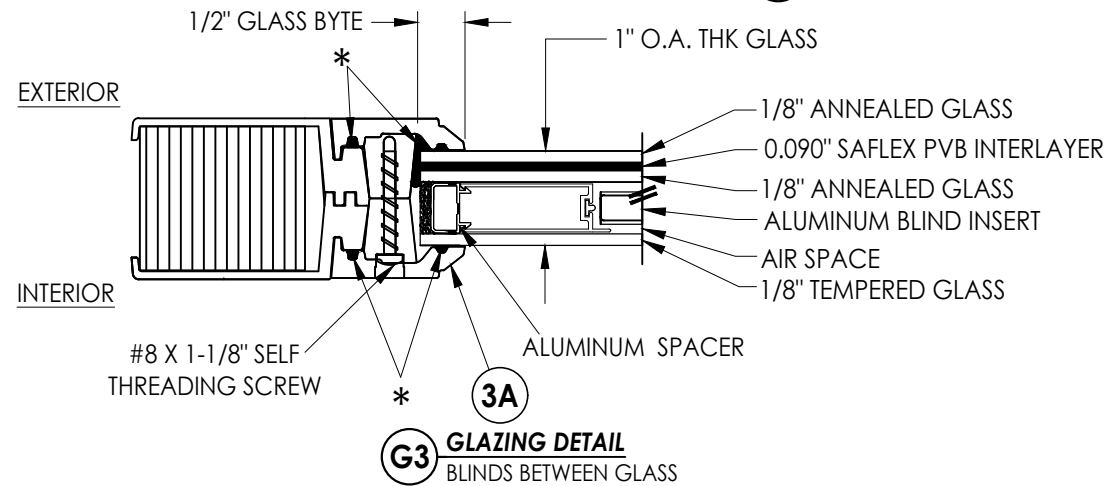
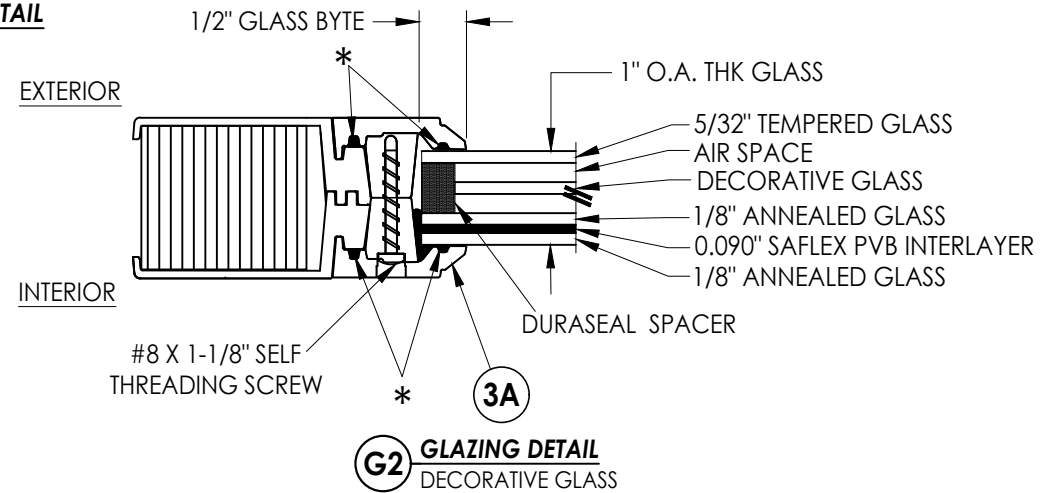
Z:\2023 FBC Drawings\Trinity Glass Int\VL-37185 R3\VL-37185.3.dwg



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



* DOW 995 STRUCTURAL SEALANT



3A FLUSH GLAZING FRAME
ABS

Documents Prepared By:
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FBPE Registry No. 9813

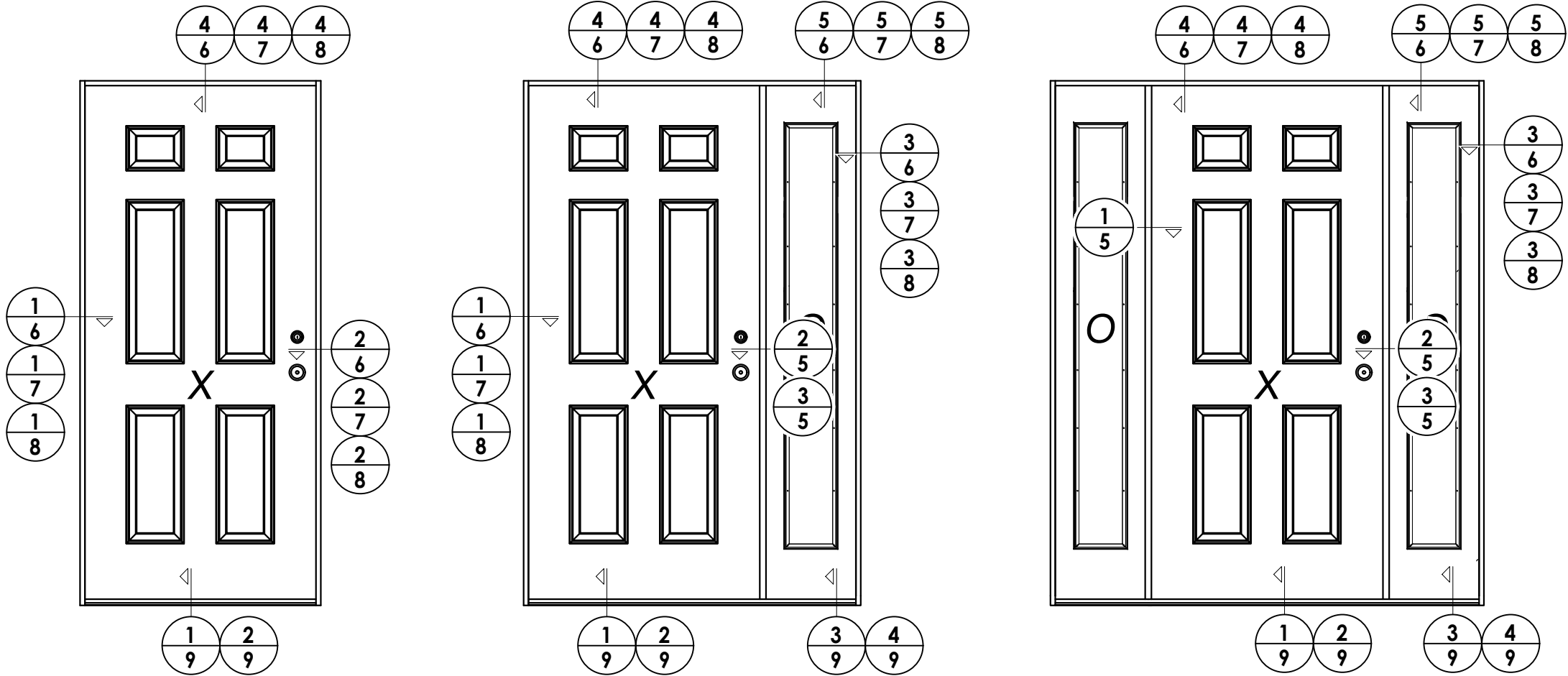
PRODUCT: TRINITY
FIBERGLASS PATIO DOOR
"Impact"

PART OR ASSEMBLY:
SIDELITE
PANEL DETAILS

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
1	7/31/23	UPDATE TO 8TH ED. (2023) FBC LFS

DATE: 6/22/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-37185.3
SHEET 3 OF 12

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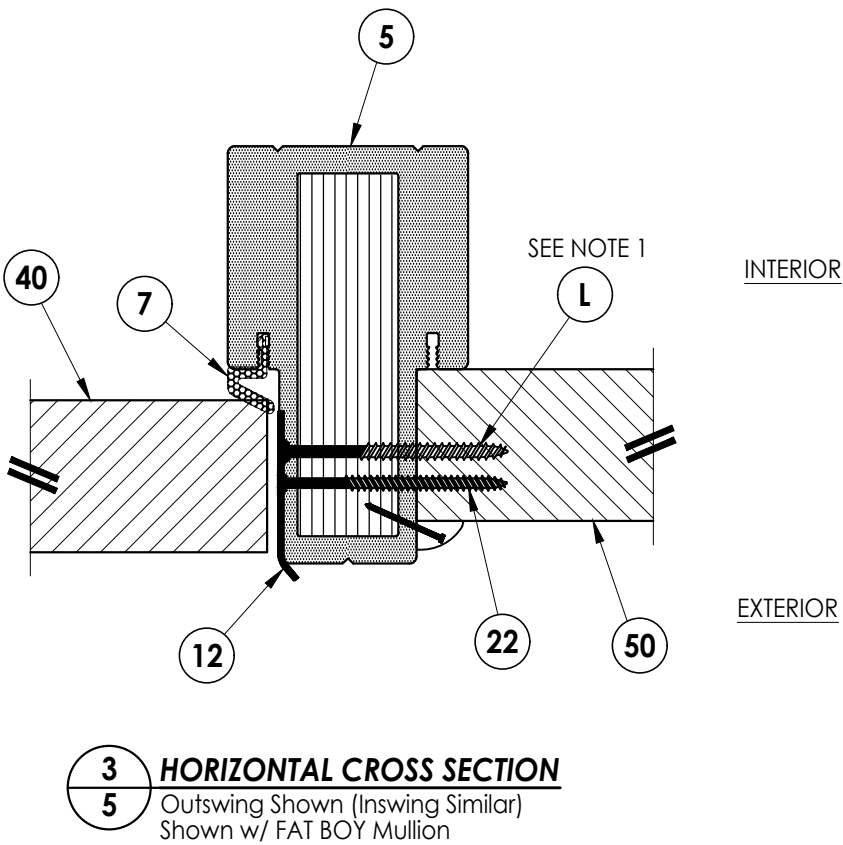
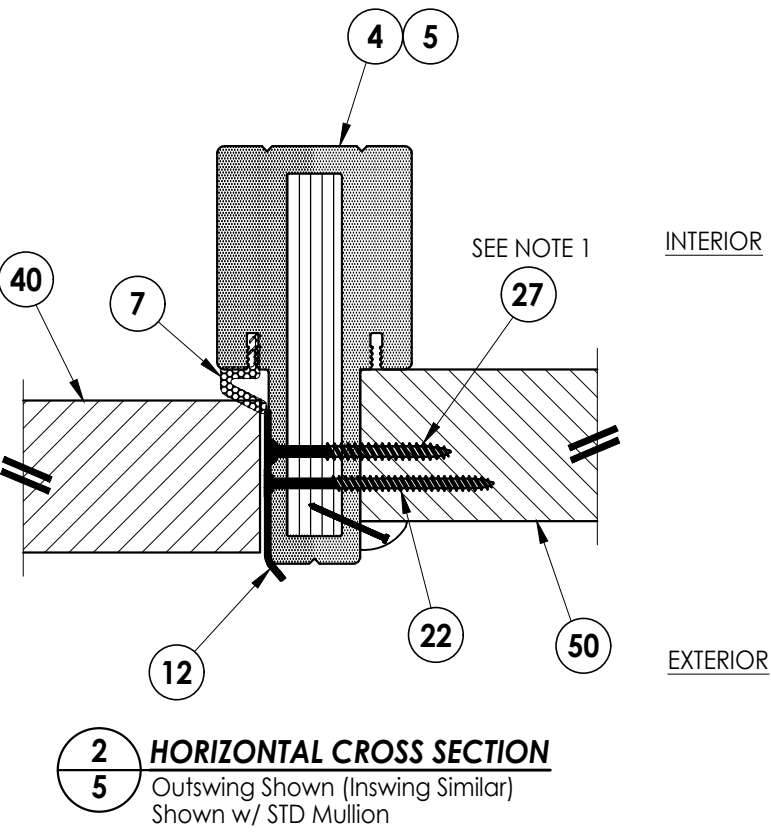
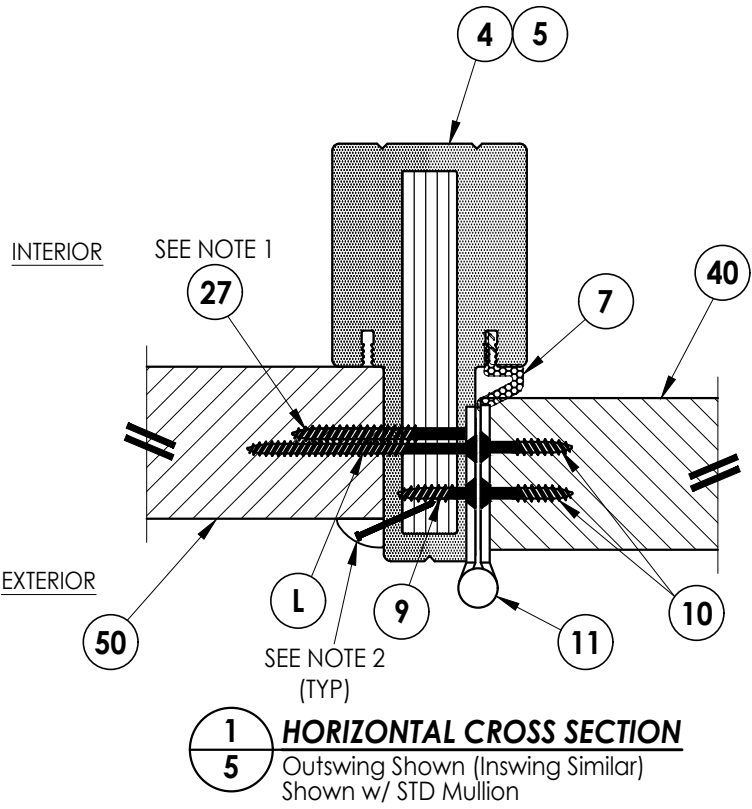
DATE: 6/22/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-37185.3
SHEET 4 OF 12

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	7/31/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

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

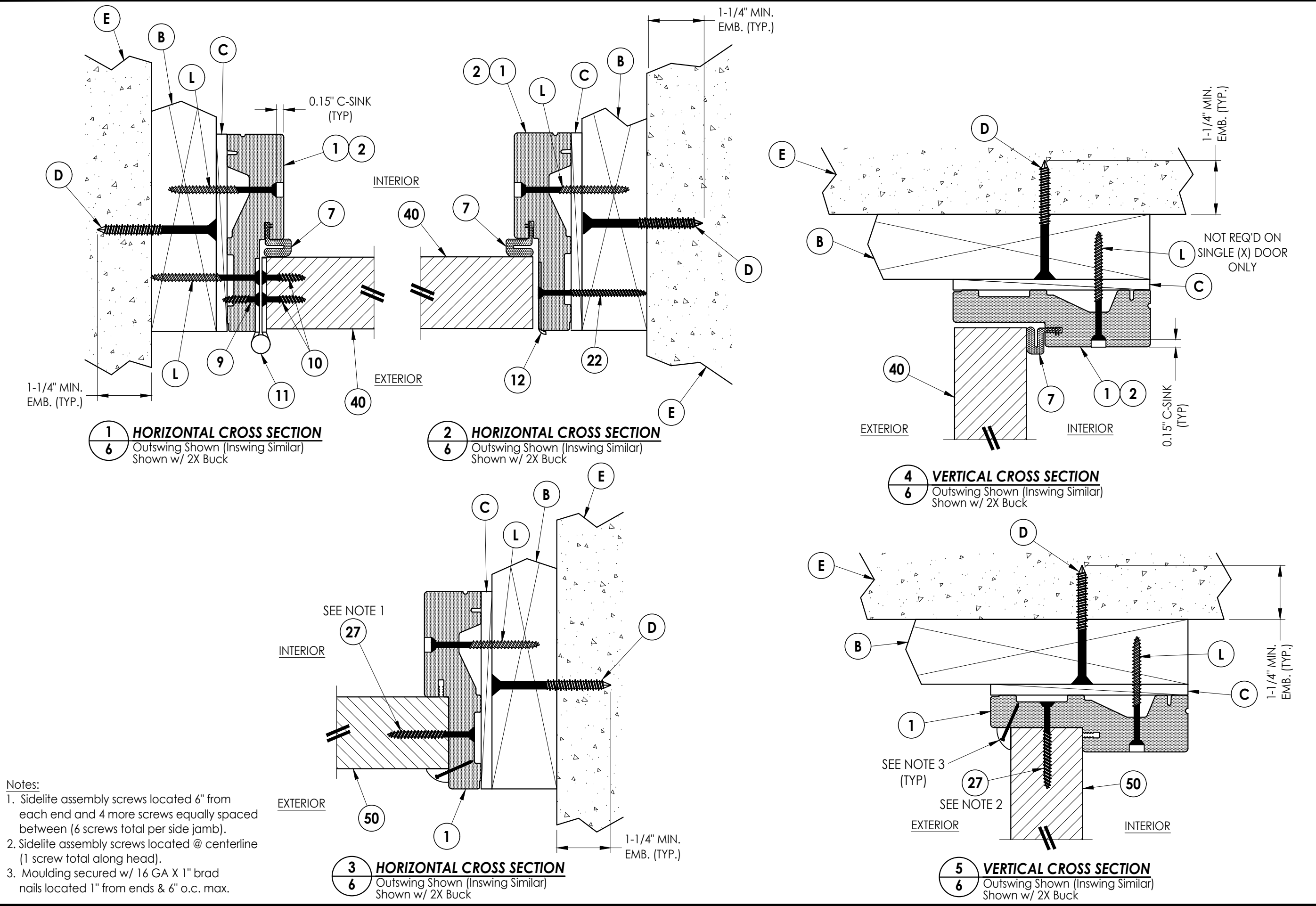


Notes:

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

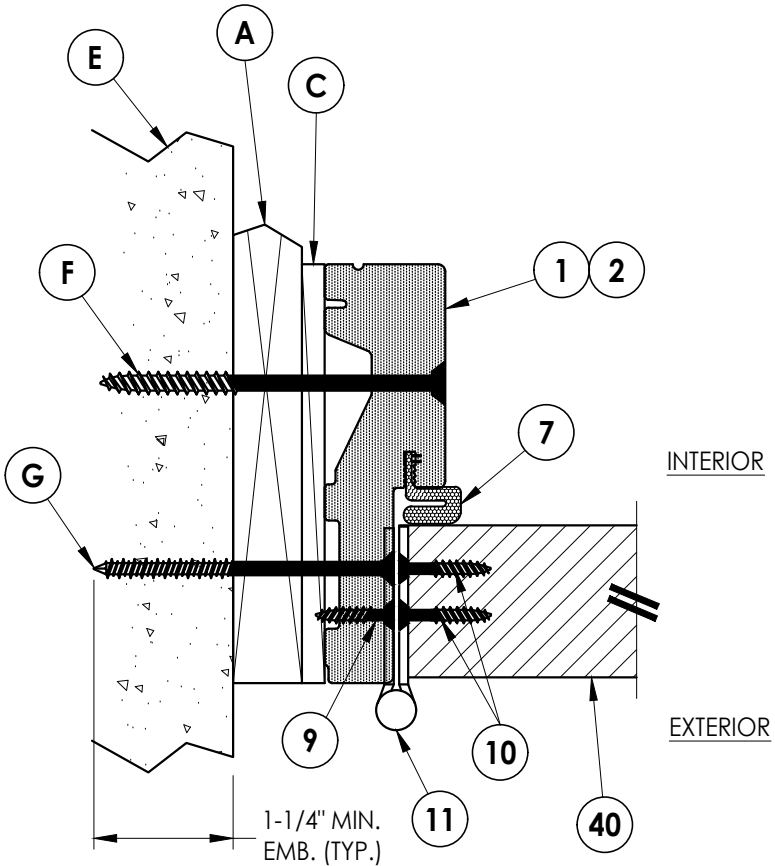
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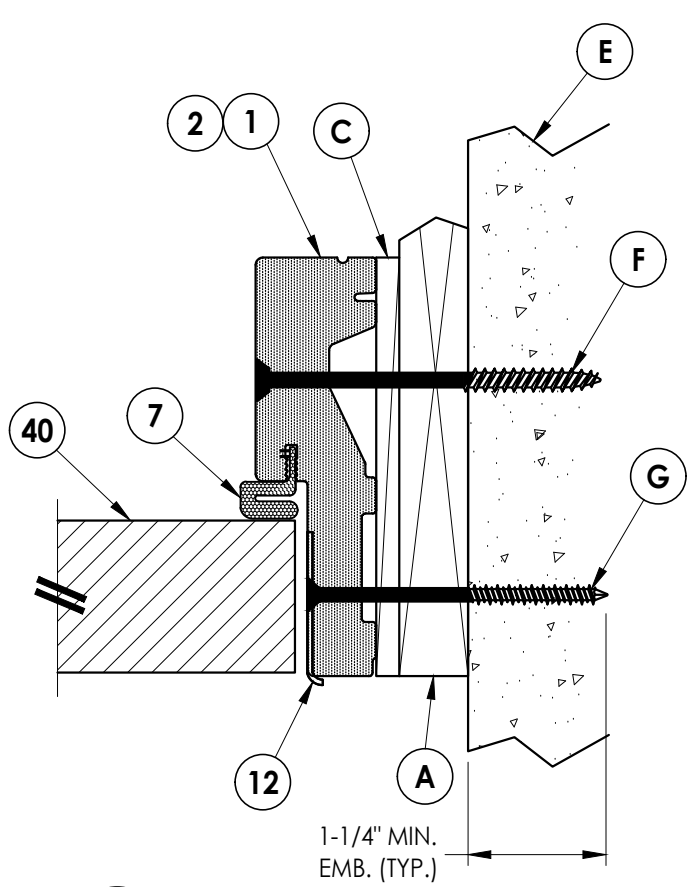


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: TRINITY FIBERGLASS PATIO DOOR "Impact"				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)			

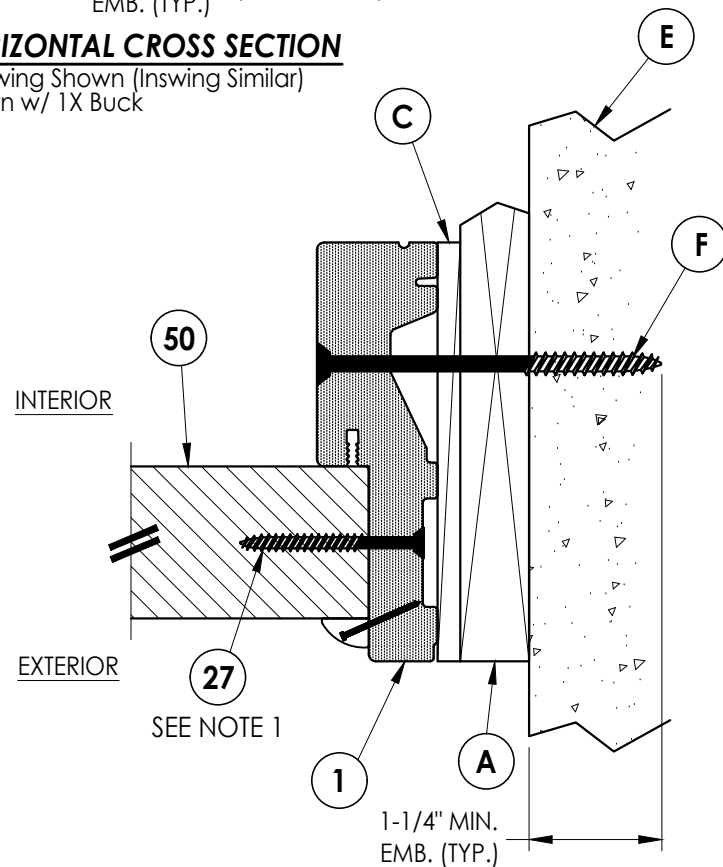
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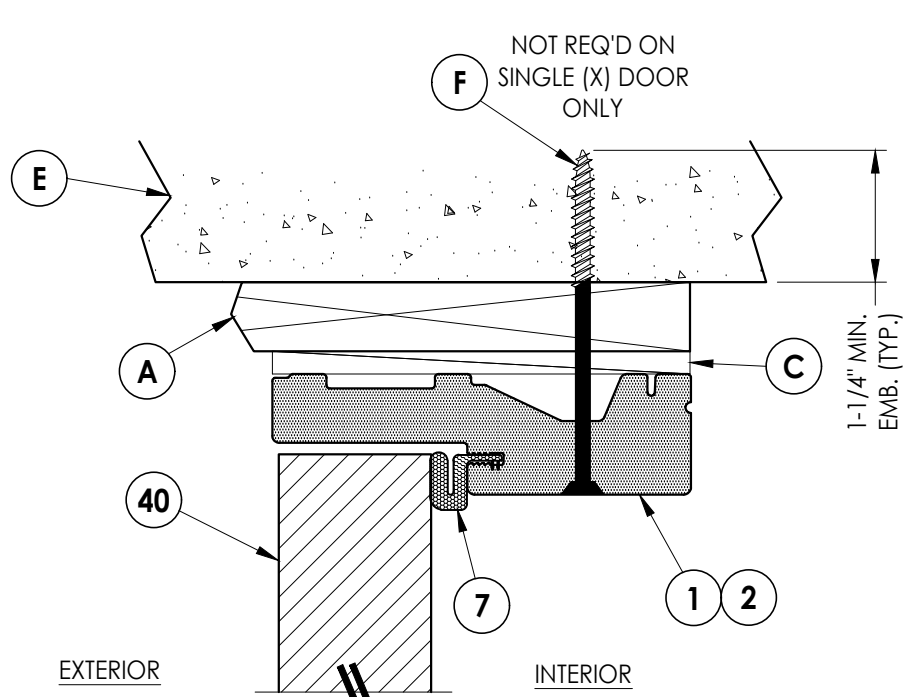
1
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



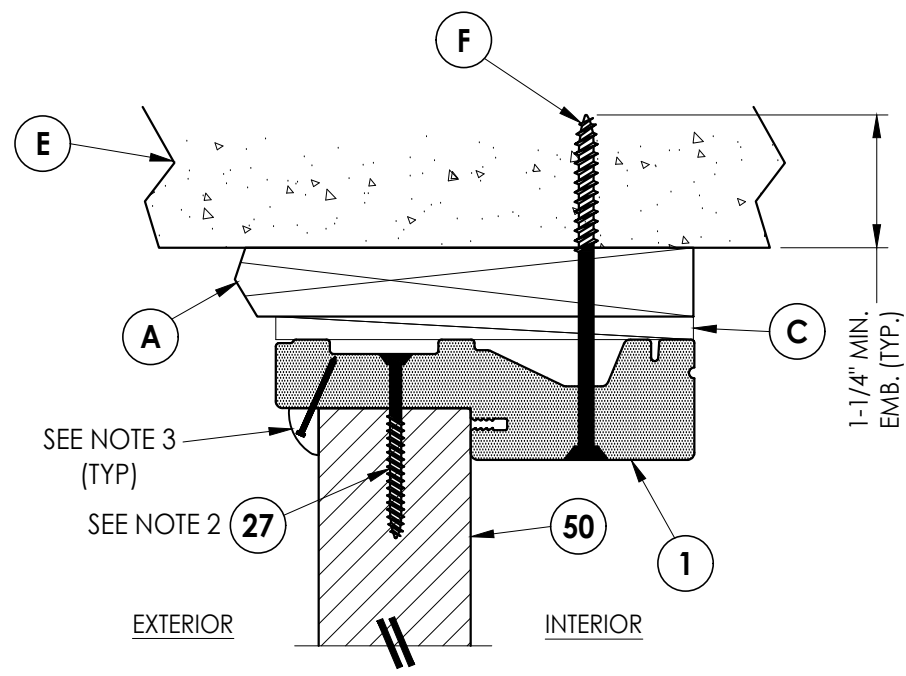
2
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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



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



5
7 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X 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 @ centerline (1 screw total along head).
 3. Moulding secured w/ 16 GA X 1" brad nails located 1" from ends & 6" 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: TRINITY
FIBERGLASS PATIO DOOR
"Impact"

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
1	7/31/23	UPDATE TO 8TH ED. (2023) FBC LFS

DATE: 6/22/23

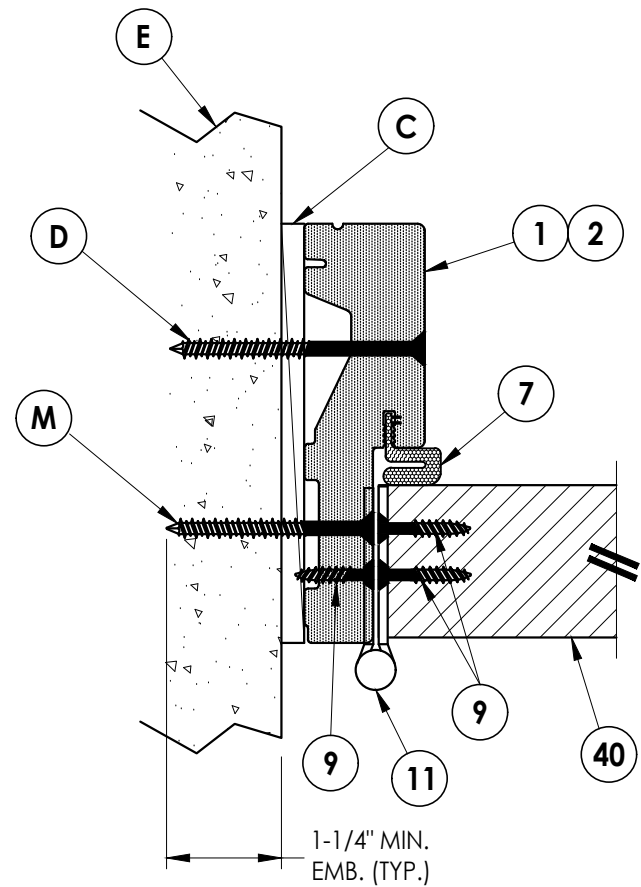
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DWG. BY: RW

CHK. BY: LFS

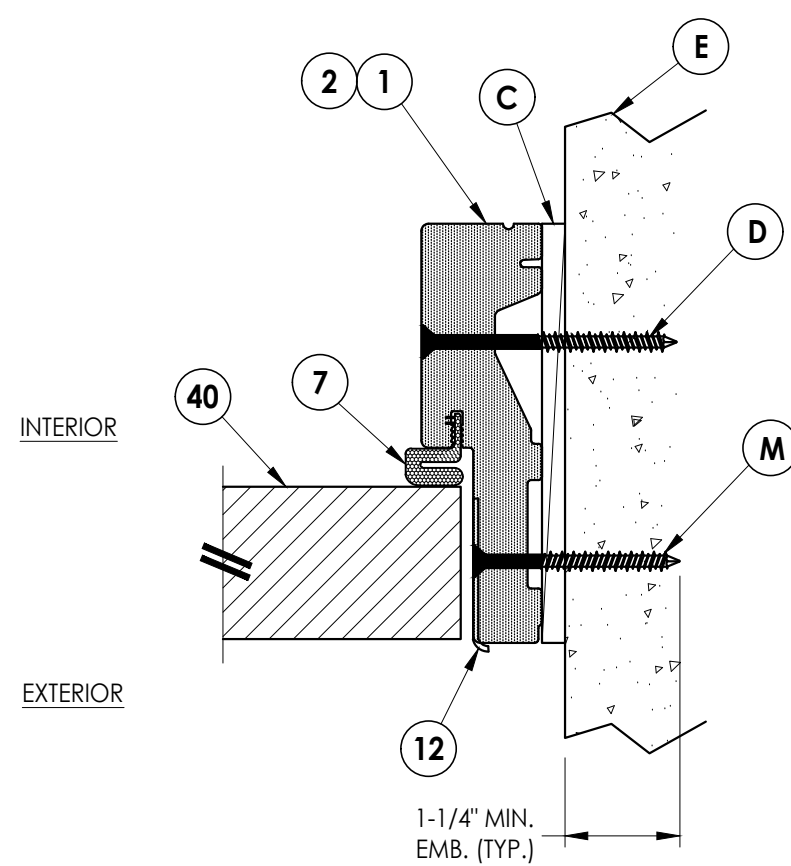
DRAWING NO.:
FL-37185.3

SHEET 7 OF 12

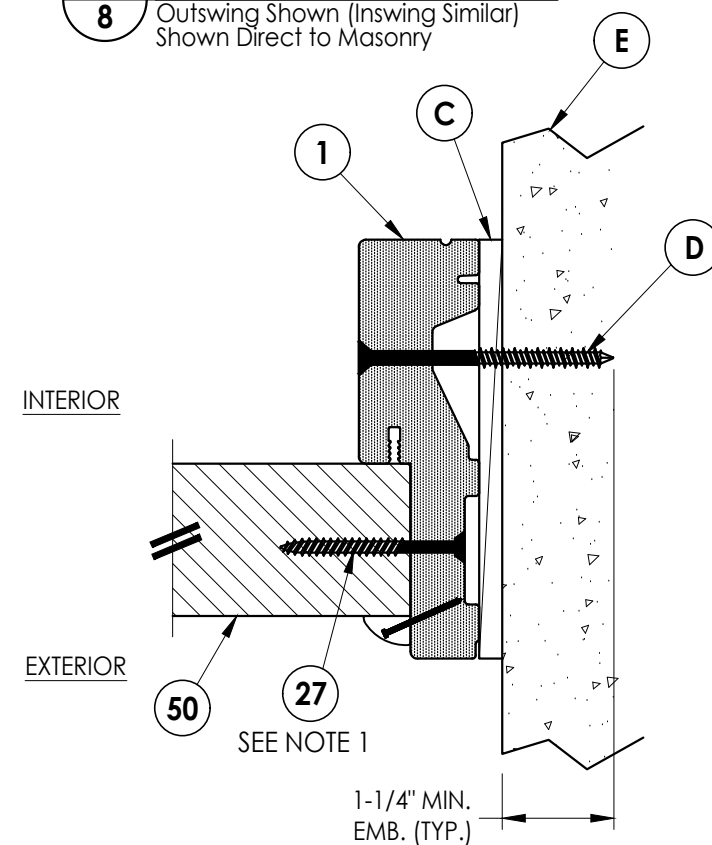


1 **HORIZONTAL CROSS SECTION**

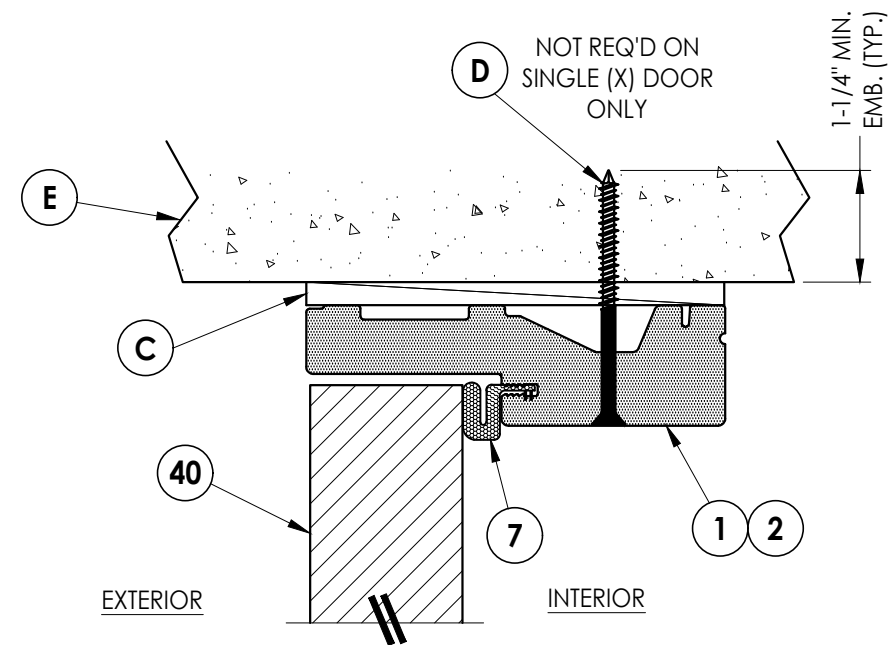
8 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



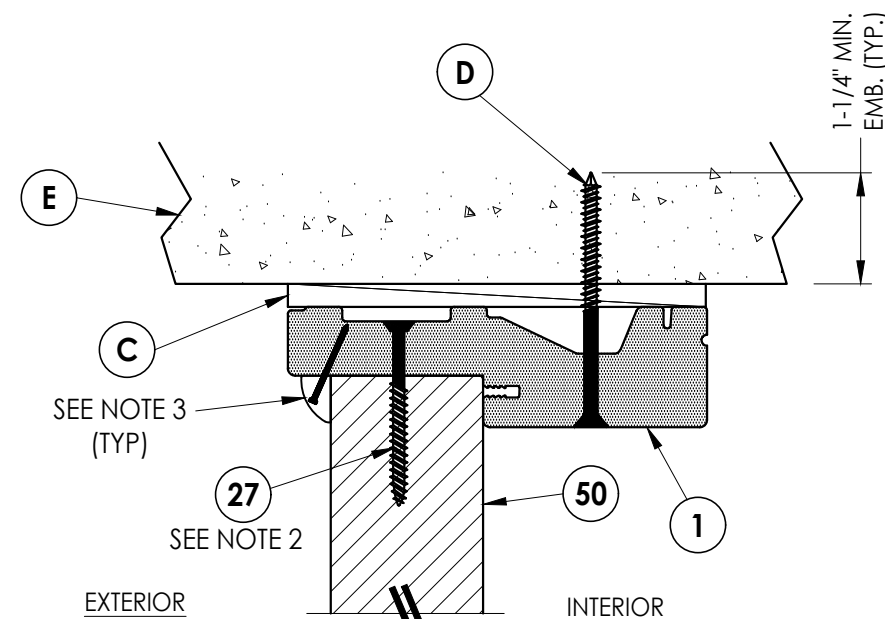
2 HORIZONTAL CROSS SECTION
8 Outswing Shown (Inswing Similar)
 Shown Direct to Masonry



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



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



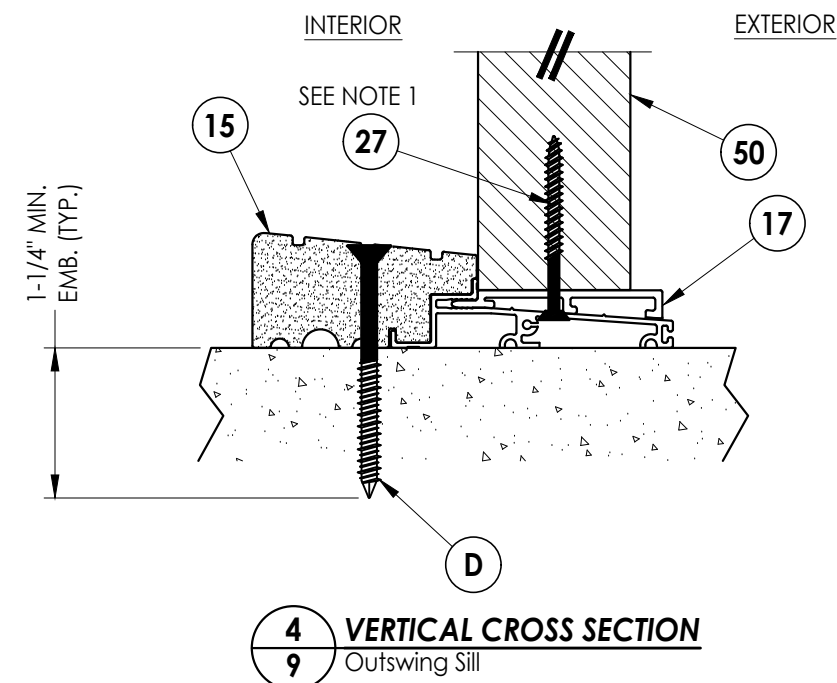
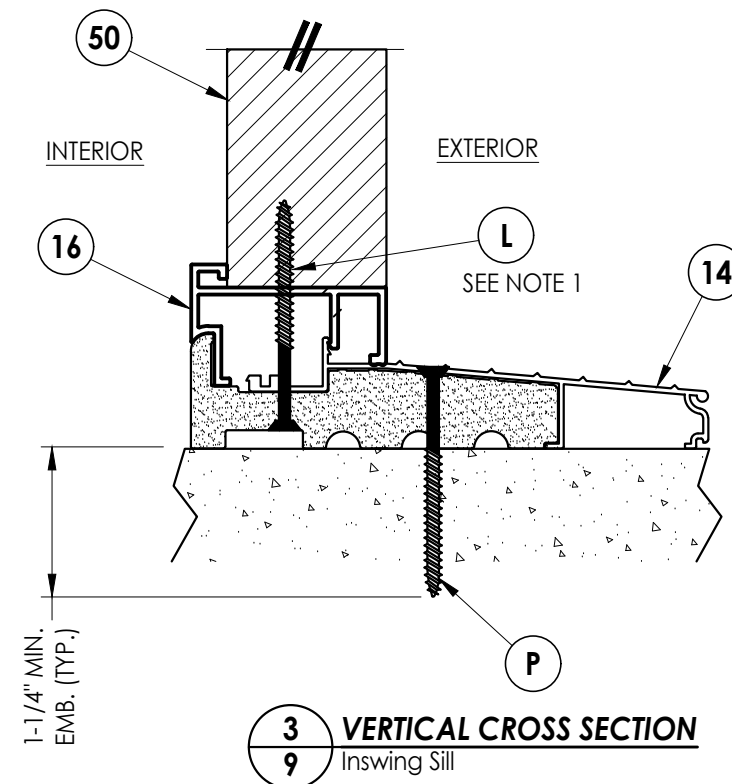
5 VERTICAL CROSS SECTION
8 Outswing Shown (Inswing Similar)
 Shown Direct to Masonry

Notes:

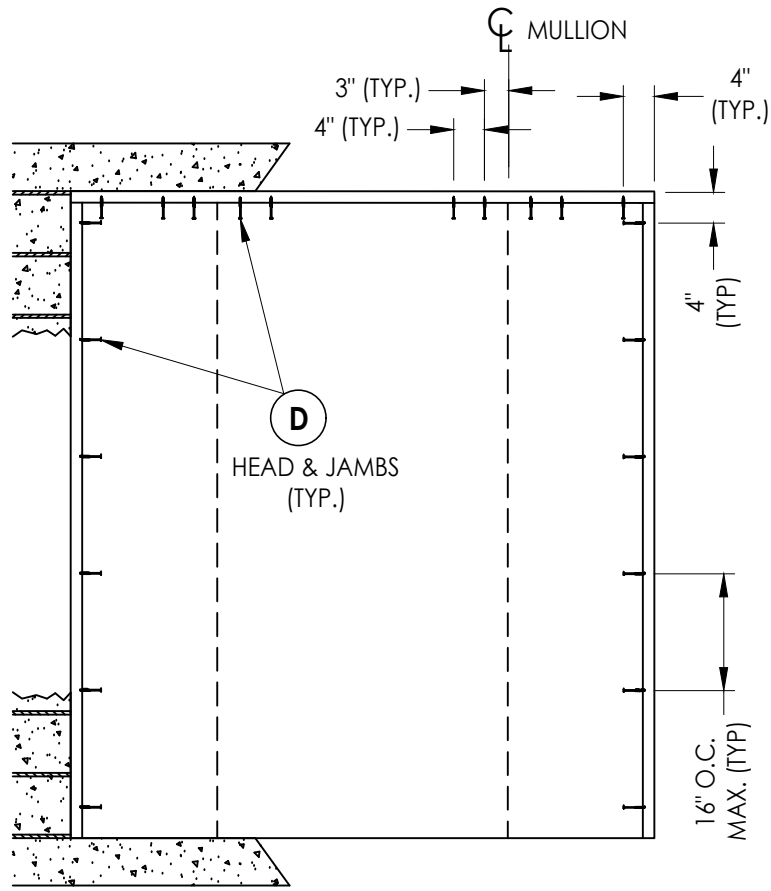
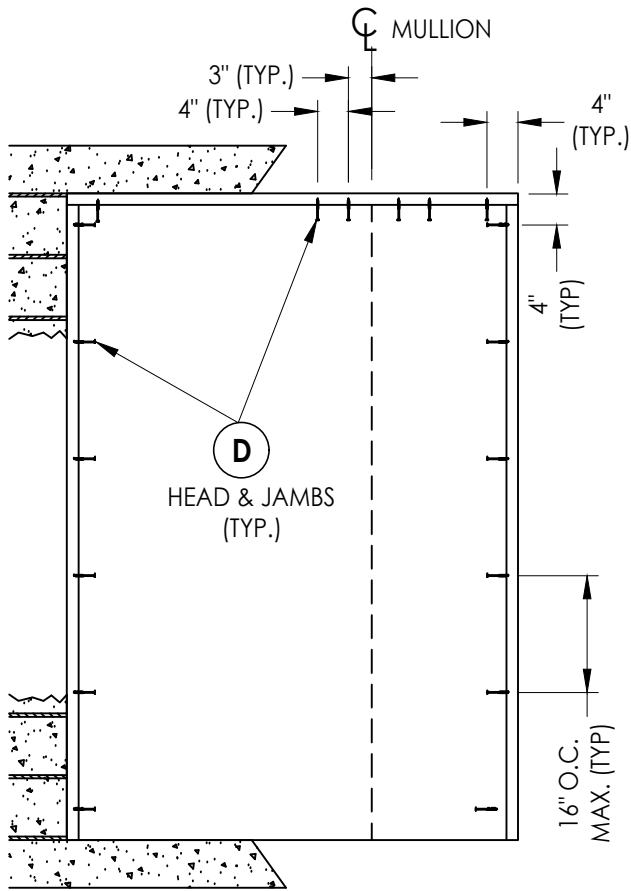
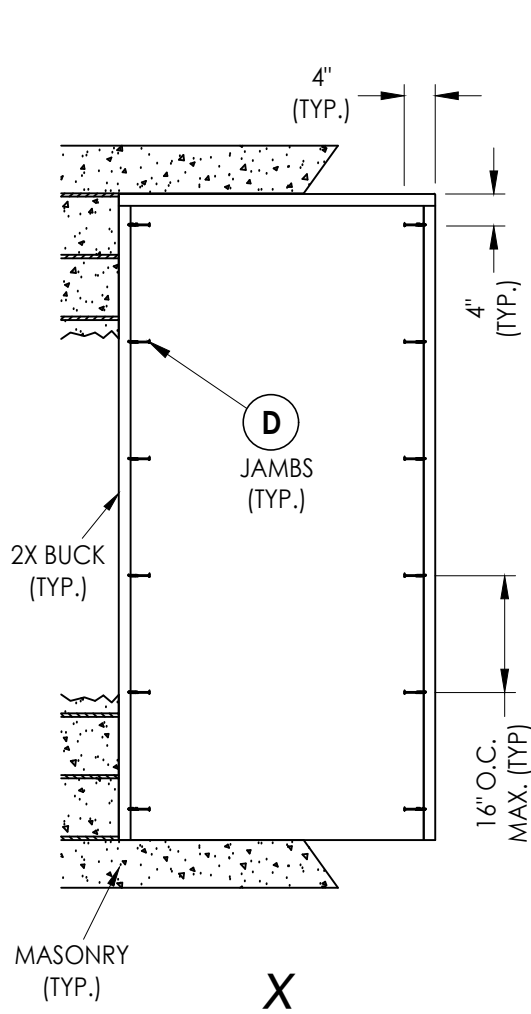
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located @ centerline (1 screw total along head).
3. Moulding secured w/ 16 GA X 1" brad nails located 1" from ends & 6" o.c. max.

						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 (DIRECT TO MASONRY)	
						LFS	
						LFS	
						BY	
2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC			
1	7/31/23	UPDATE TO 8TH ED.	(2023)	FBC			
NO.	DATE						
						REVISIONS	
DATE: 6/22/23							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-37185.3							
SHEET 8 OF 12							

1. Sidelite assembly screws located @ centerline (1 screw total along sill).

[illegible]

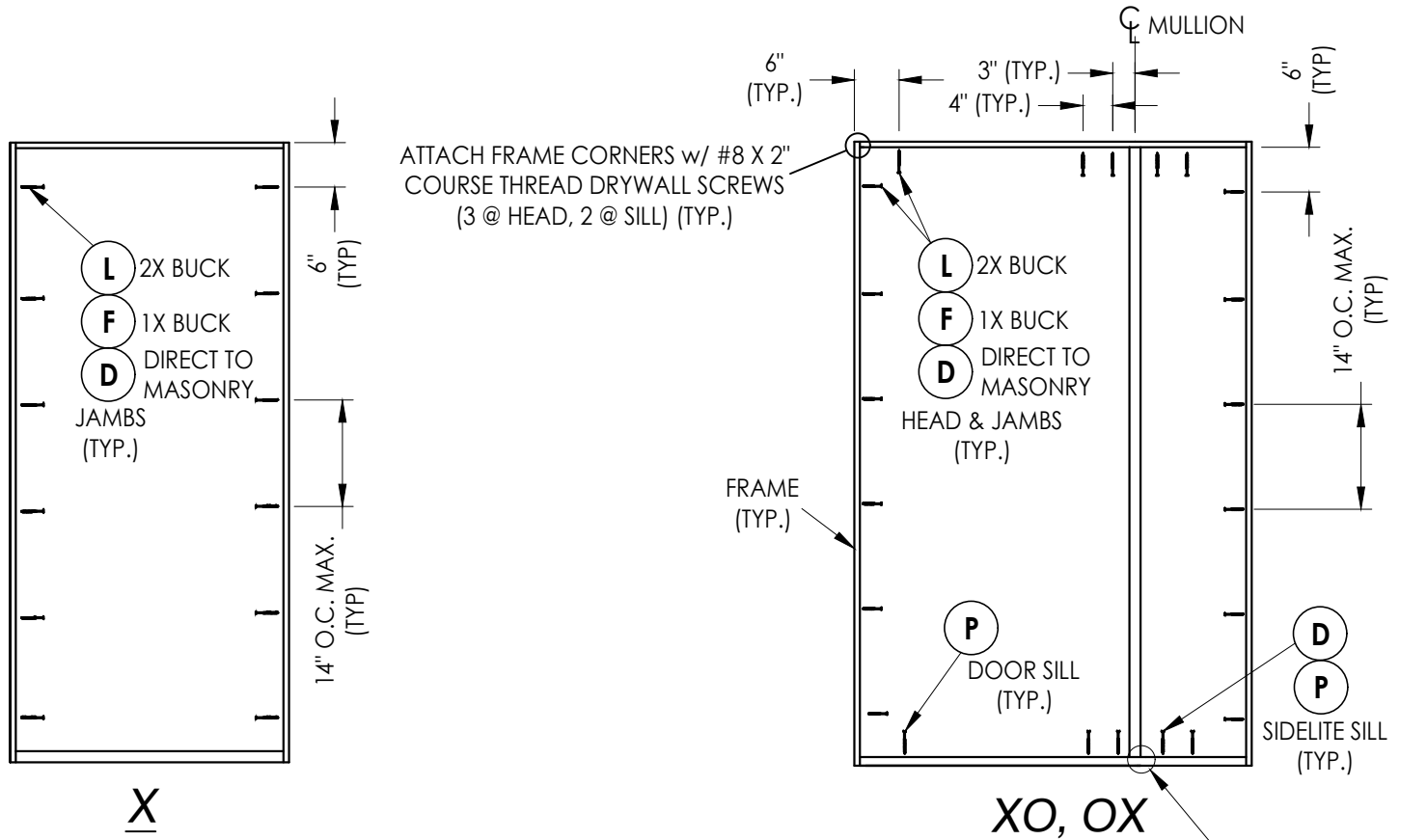
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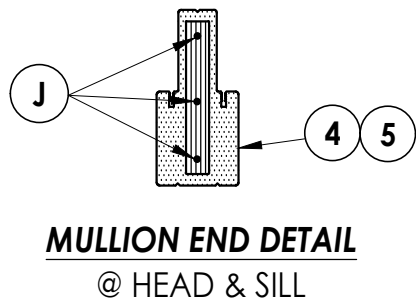
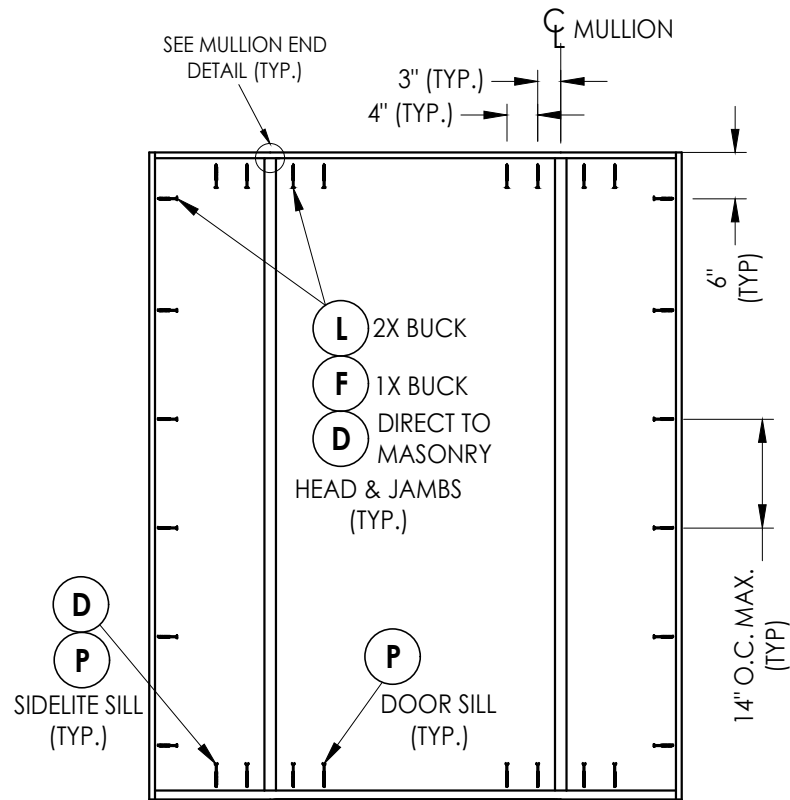
2X BUCK ANCHORING

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 "Impact"		PART OR ASSEMBLY: BUCK ANCHORING					
						LFS	
						FBC	UPDATE TO 9TH ED. (2026)
						LFS	UPDATE TO 8TH ED. (2023)
						BY	
				REVISIONS			
DATE: 6/22/23							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-37185.3							
SHEET 10 OF 12							

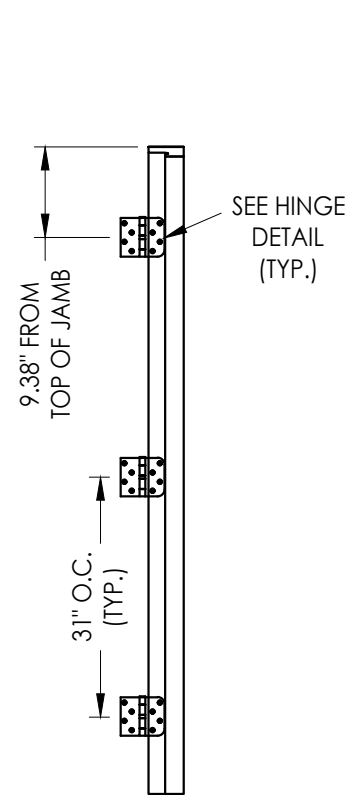
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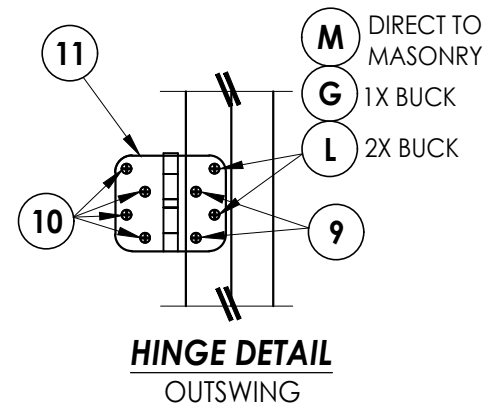
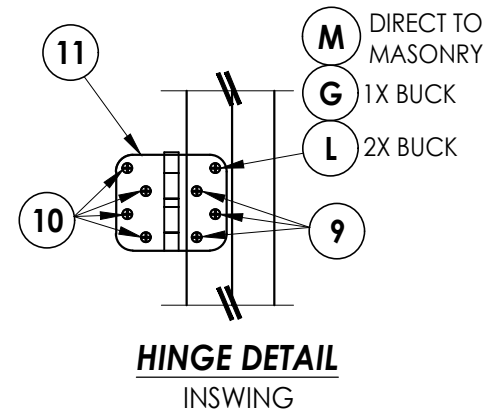
XO, OX



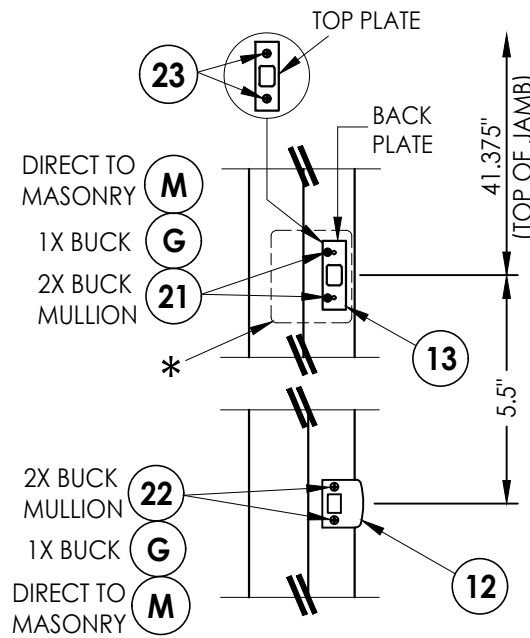
FRAME ANCHORING



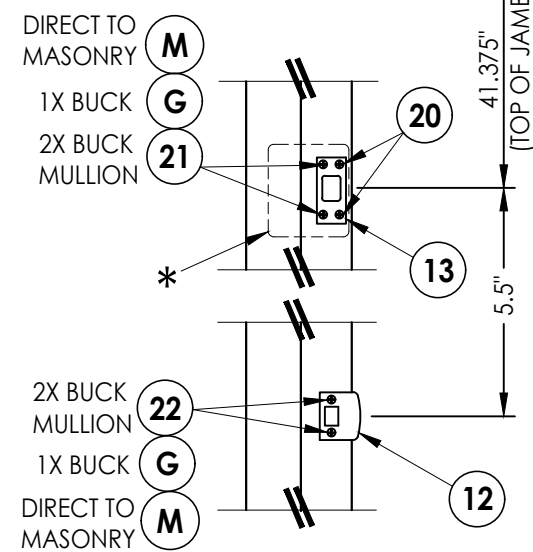
HINGE JAMB



* 3.5" X 4" 20 GA. STEEL PLATE ATTACHED TO BACK OF JAMB w/ (4) 1" CROWN X 5/8" LONG 16 GA. STAPLES (FOR DEAD BOLT STRIKE PLATE AGAINST JAMB ONLY)



HARDWARE DETAILS



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:	FRAME ANCHORING & HARDWARE DETAILS
		LFS	BY
		2 7/01/26	1 7/31/23
		UPDATE TO 9TH ED. (2026)	UPDATE TO 8TH ED. (2023)
		FBC	FBC
		NO.	DATE
		REVISIONS	
DATE: 6/22/23		SCALE: N.T.S.	
DWG. BY: RW		CHK. BY: LFS	
DRAWING NO.: FL-37185.3		SHEET 11 OF 12	

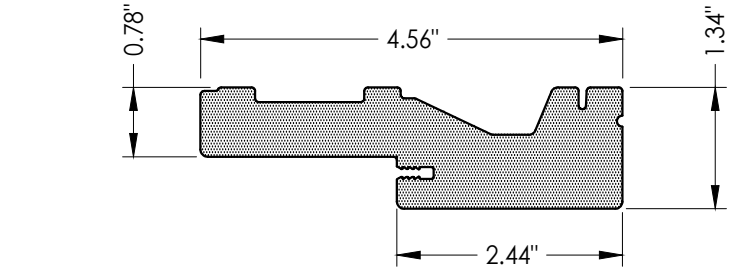
Z:\2023 FBC Drawings\Trinity Glass Int\VL-37185 R3\VL-37185.3.dwg

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
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
1	PVC JAMB	COMP
2	WOOD JAMB	WOOD
4	2.125" MULLION (STANDARD)	PVC/LVL
5	2.625" MULLION (FAT BOY)	PVC/LVL
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
17	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
23	10-32 X 3/8" FH MACHINE SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

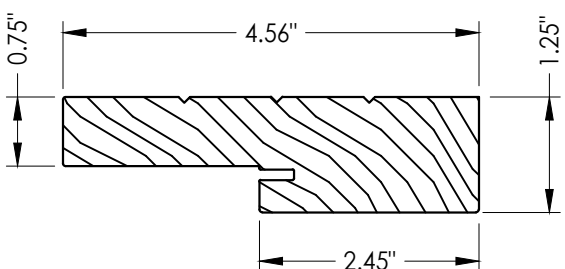
- CONCRETE ANCHOR NOTES:
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
 - Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required 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"

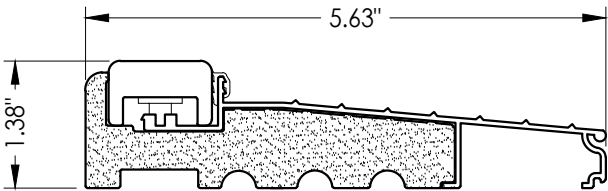
- WOOD SCREW INSTALLATION NOTES:
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



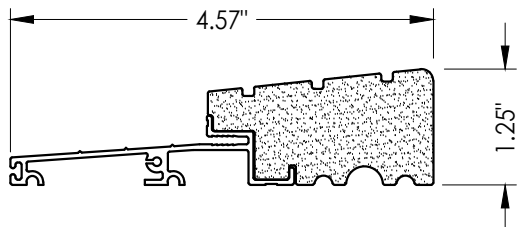
1 PVC JAMB



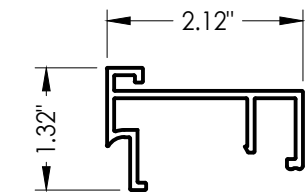
2 WOOD JAMB
FINGER JOINTED PINE
FOR USE ON SINGLE DOOR (X) ONLY



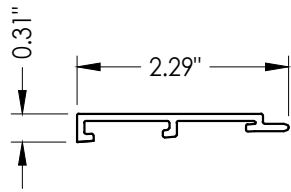
14 INSWING THRESHOLD



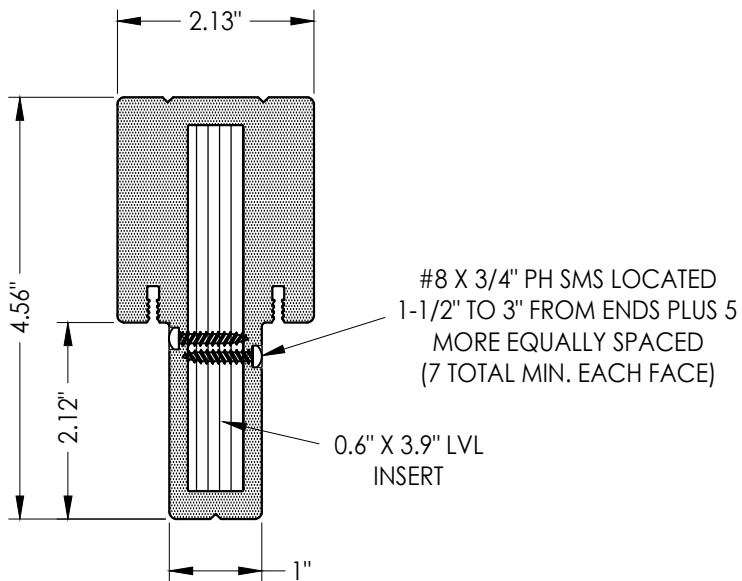
15 OUTSWING THRESHOLD



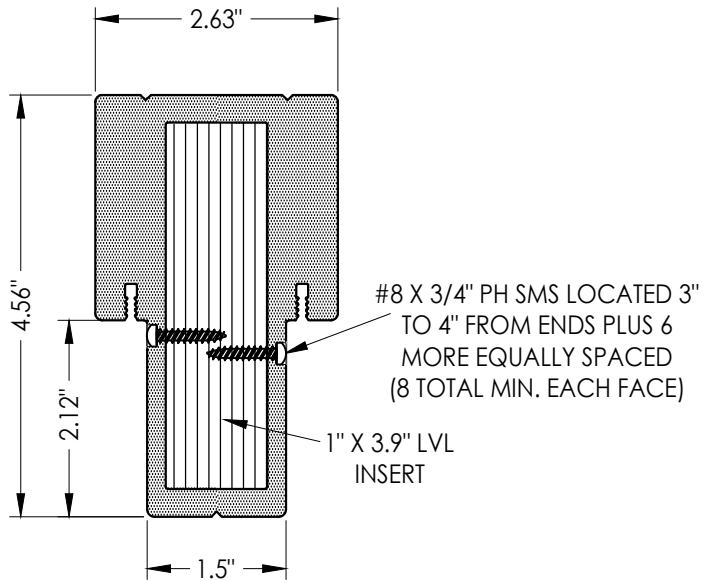
16 INSWING SIDELITE ADAPTER



17 OUTSWING SIDELITE ADAPTER



4 STANDARD INTEGRAL MULLION



5 FAT BOY INTEGRAL MULLION

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	BY
		FBC	
		FBC	
		DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026)	
1	7/31/23	UPDATE TO 8TH ED. (2023)	
DATE: 6/22/23			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37185.3			
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