

Z:\2023 FBC Drawings\Trinity Glass Int\FL-47284 R1\F-47284.5.dwg

"Direct Glaze"

Single Fiberglass Door

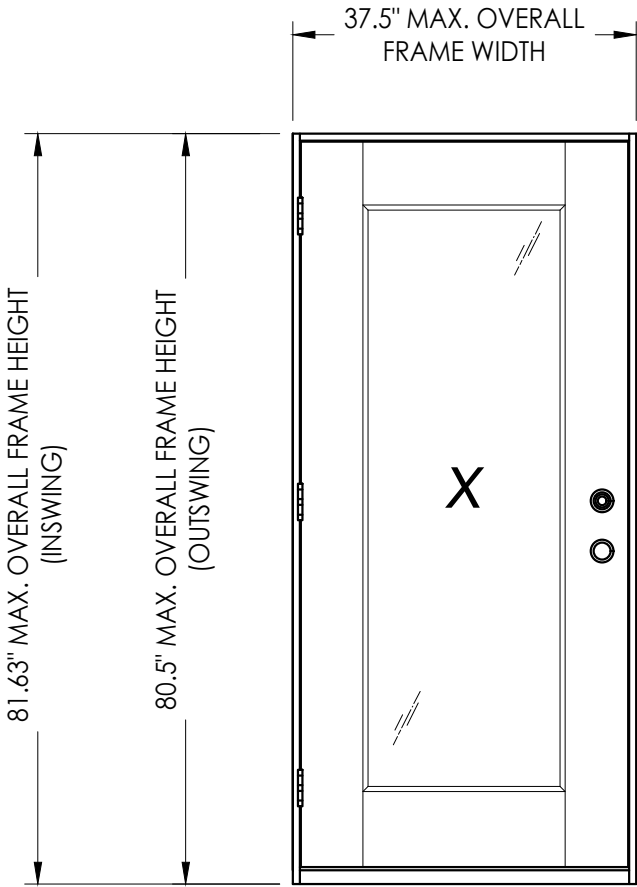
INSWING/OUTSWING

"IMPACT"

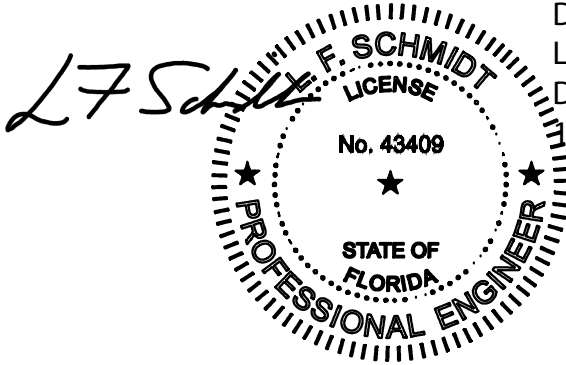
GENERAL NOTES

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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Flush Glazing details
4	Horizontal & vertical cross sections (2X buck)
5	Horizontal & vertical cross sections (1X buck)
6	Horizontal & vertical cross sections (Direct to Masonry)
7	Vertical cross sections
8	Frame anchoring & hardware details
9	Bill of materials



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 81.63"	+55.0	-55.0	+55.0	-55.0



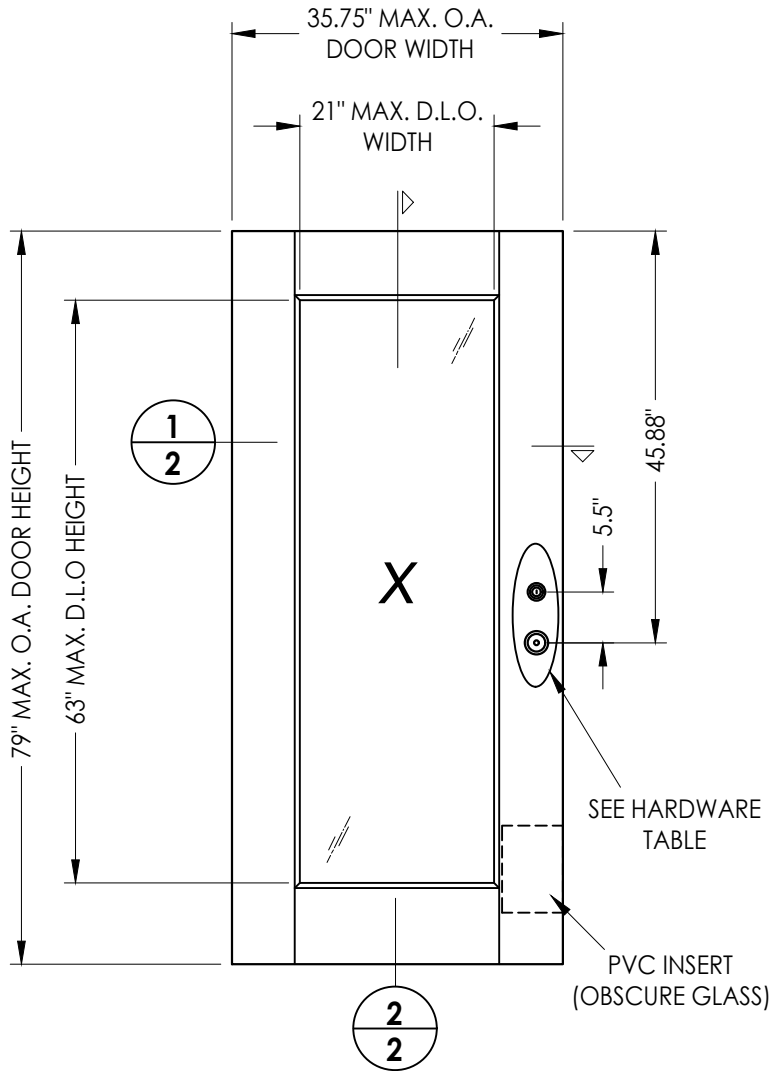
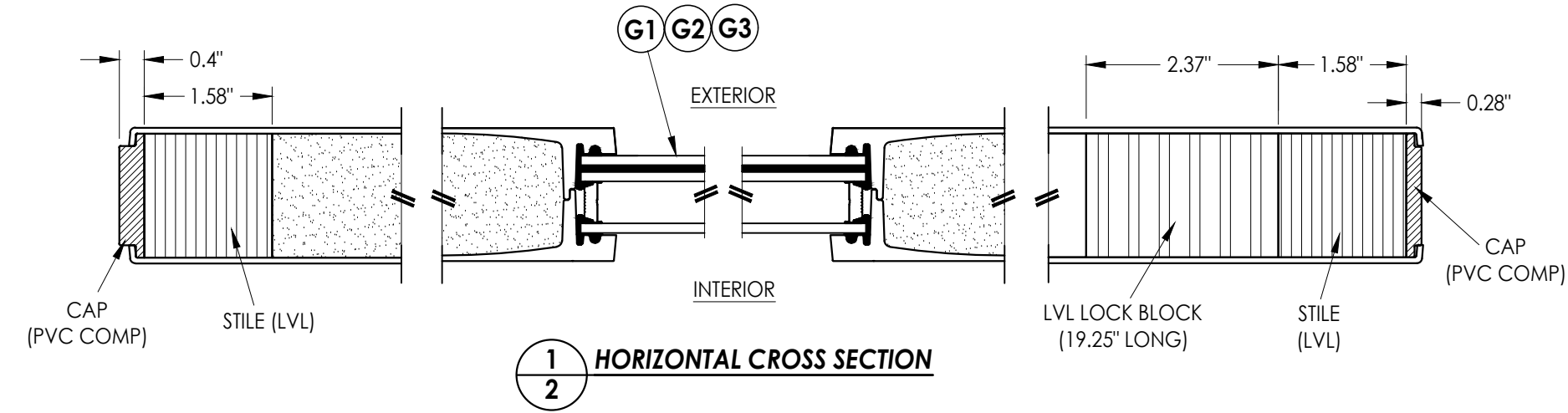
Digitally signed by
Lyndon F Schmidt
Date: 2025.07.02
15:08:47 -04'00'

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.

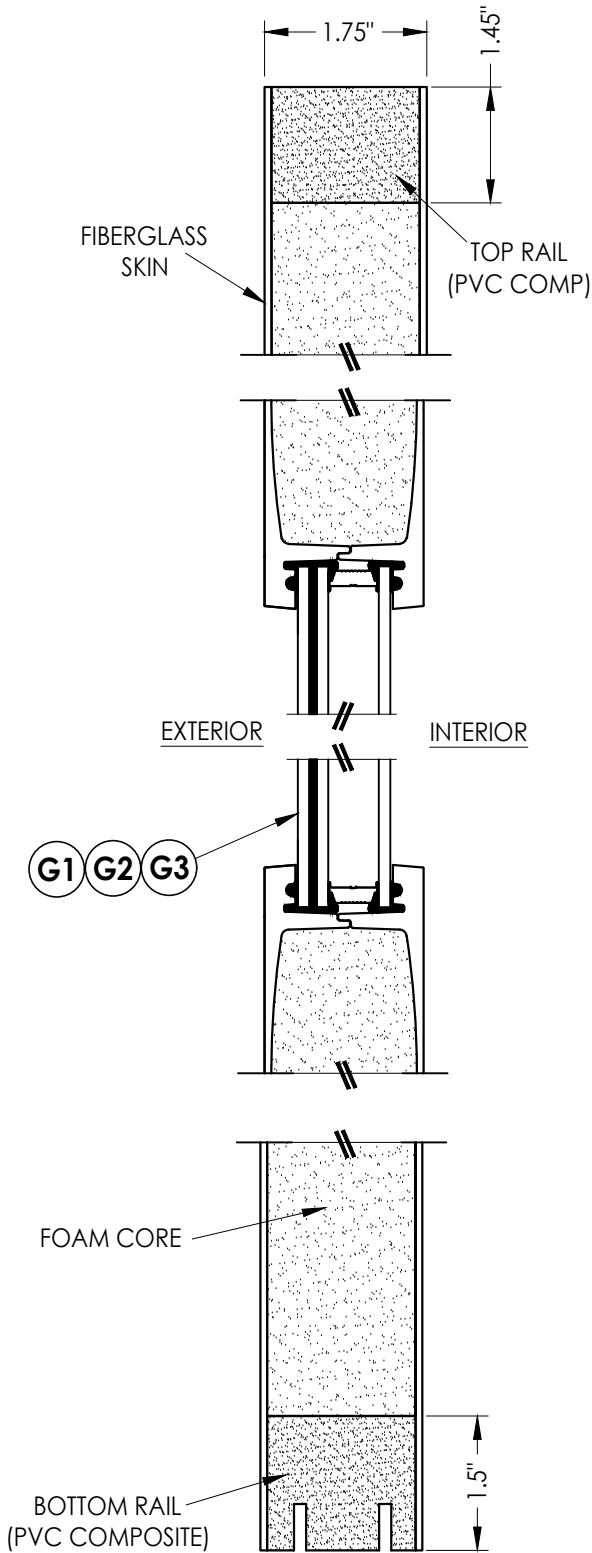
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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: TRINITY FIBERGLASS DOOR				PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES			
						LFS	
							BY
DATE: 1/30/25				1 6/20/25 ADD GLAZING DETAIL G3			
SCALE: N.T.S.				NO. DATE			
DWG. BY: RW				REVISIONS			
CHK. BY: LFS							
DRAWING NO.: FL-47284.5							
SHEET 1 OF 9							

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



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PRODUCT: TRINITY FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	

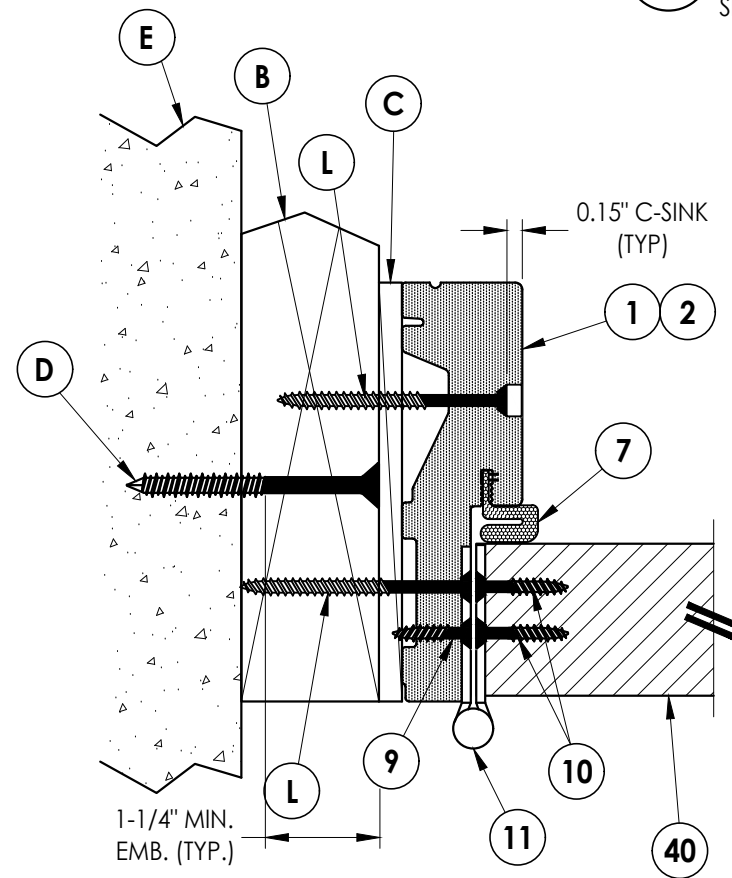


1	6/20/25	ADD GLAZING DETAIL G3	LFS	
NO.	DATE		BY	
				REVISIONS

DATE:	1/30/25
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-47284.5
SHEET	3 OF 9

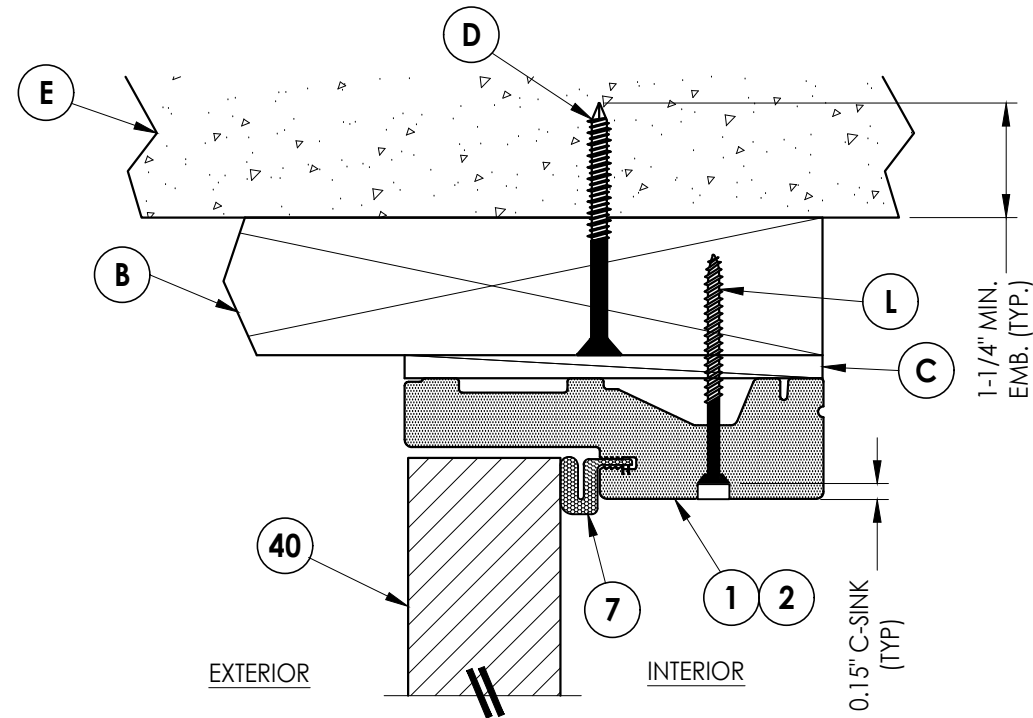
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Lyndon F. Schmidt
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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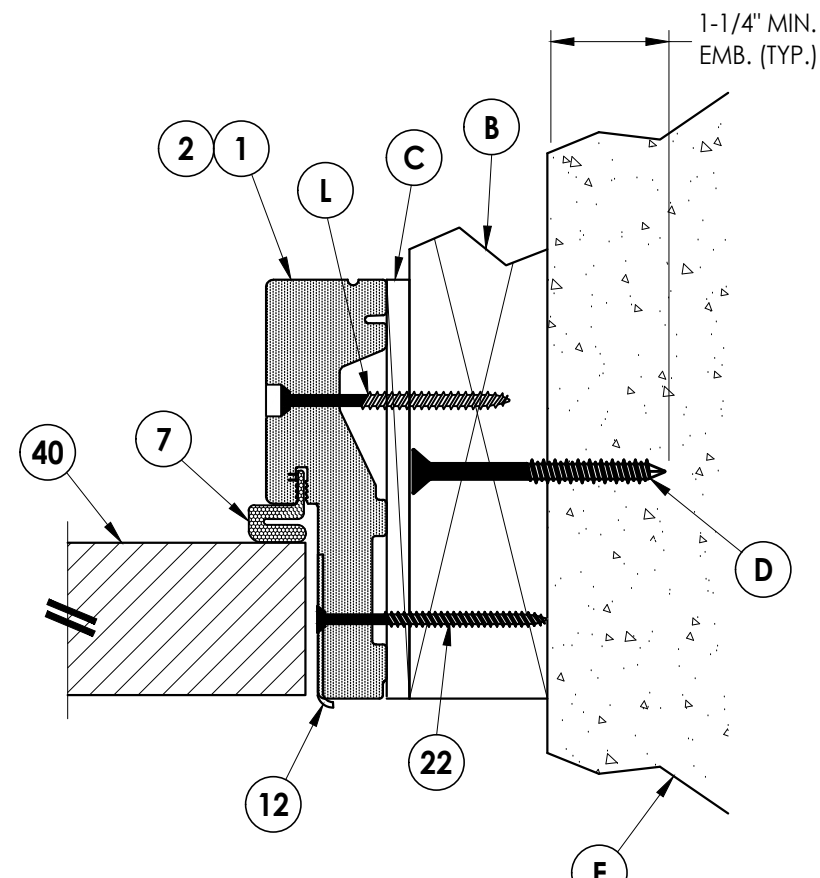


1 **HORIZONTAL CROSS SECTION**

4 Outswing Shown (Inswing Similar) Shown w/ 2X Buck



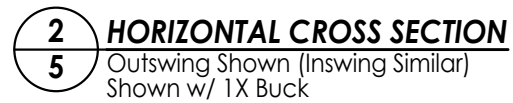
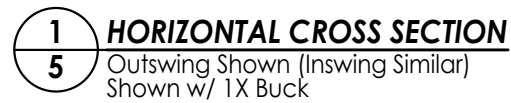
3 VERTICAL CROSS SECTION
4 Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



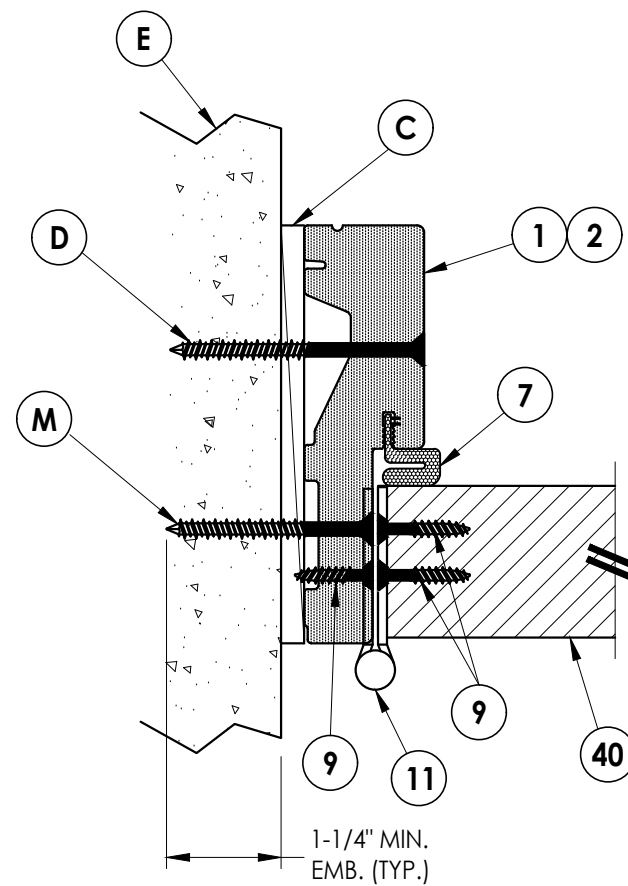
2 HORIZONTAL CROSS SECTION

4 Outswing Shown (Inswing Similar) Shown w/ 2X Buck

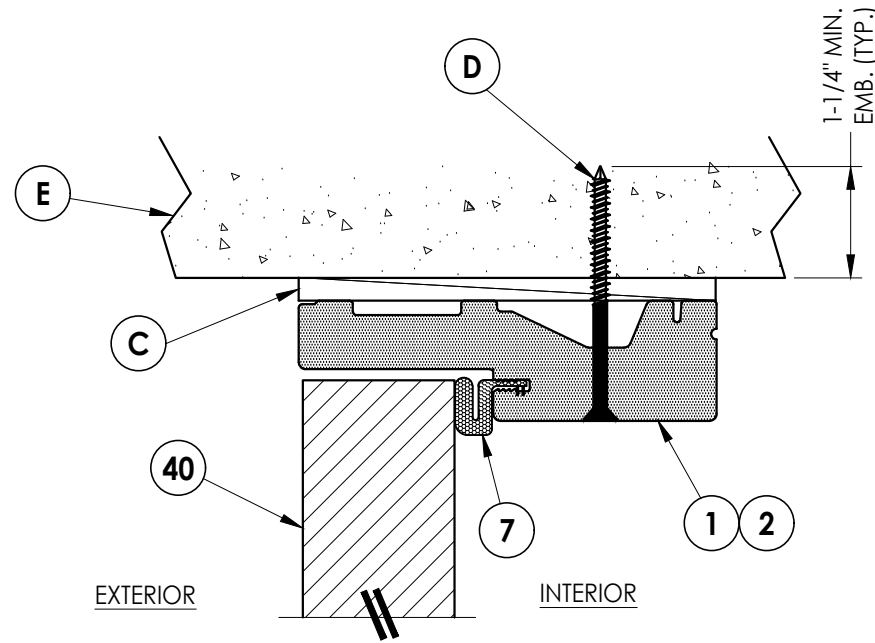
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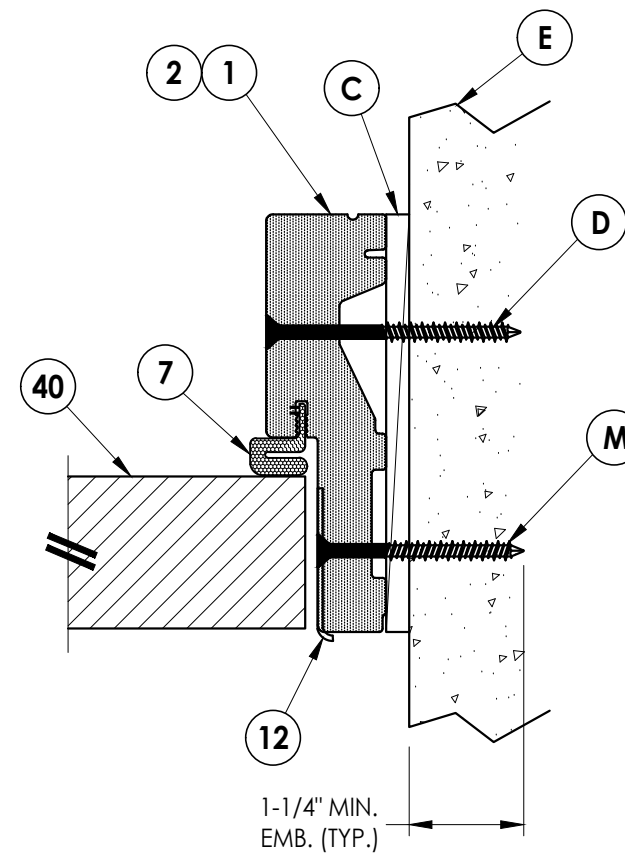
DATE: 1/30/25		SHEET 5 OF 9		DRAWING NO.: FL-47284.5		CHK. BY: LFS		DWG. BY: RW		SCALE: N.T.S.		DATE: 1/30/25		NO. 1		ADD GLAZING DETAIL G3		LFS		BY		REVISIONS	
PRODUCT: TRINITY		FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)		BUILDING CONSULTANTS, INC.		P.O. Box 230, Valrico, FL 33595		Phone No.: 813.659.9197		FBPE Registry No. 9813		Lyndon F. Schmidt		P.E. No. 43409		Documents Prepared By:			



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



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



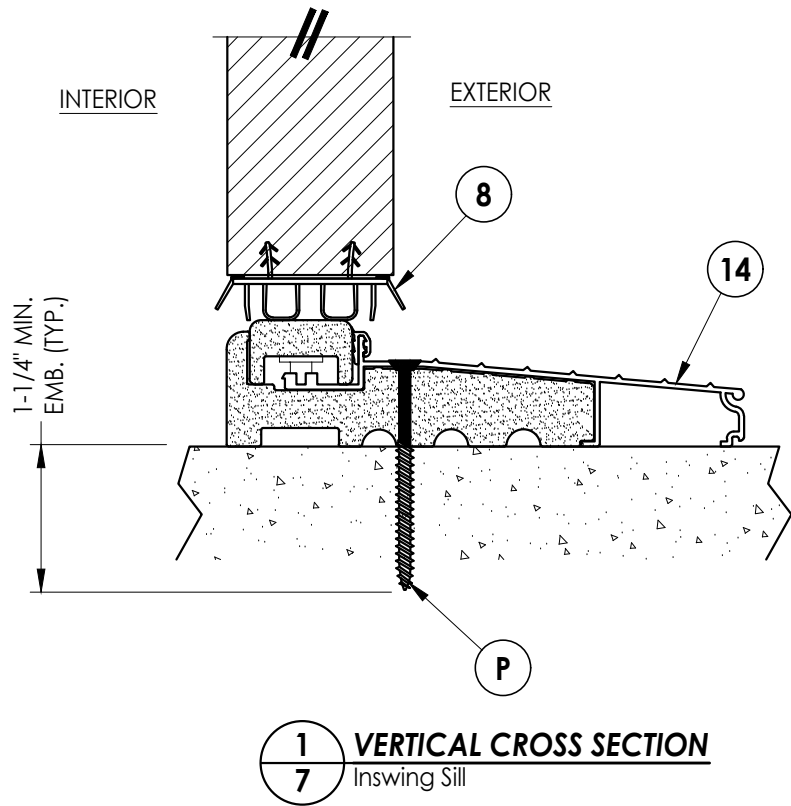
2 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)
 Shown Direct to Masonry

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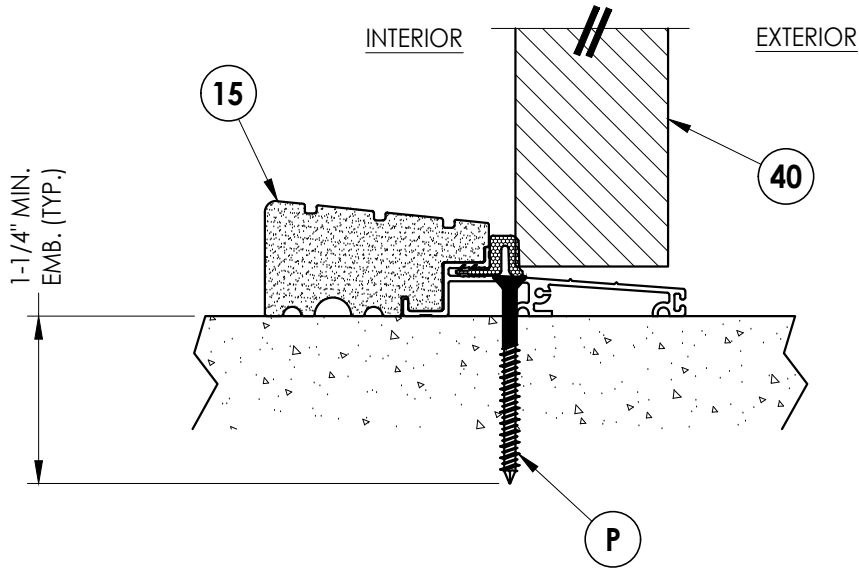
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1
7 VERTICAL CROSS SECTION
Inswing Sill



2
7 VERTICAL CROSS SECTION
Outswing Sill

DATE: 1/30/25	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-47284.5	
SHEET 7	OF 9

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

PRODUCT:	TRINITY FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

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



HARDWARE DETAILS

[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
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	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
20	#8 X 1/2" PFH WOOD SCREW	STEEL
22	#8 X 2-1/2" PFH WOOD SCREW	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-

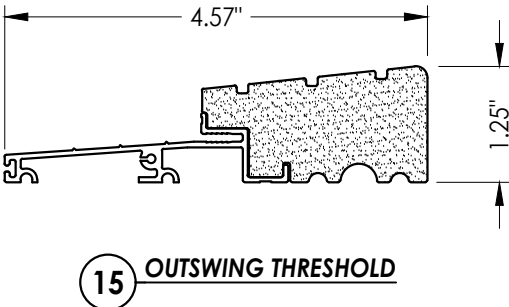
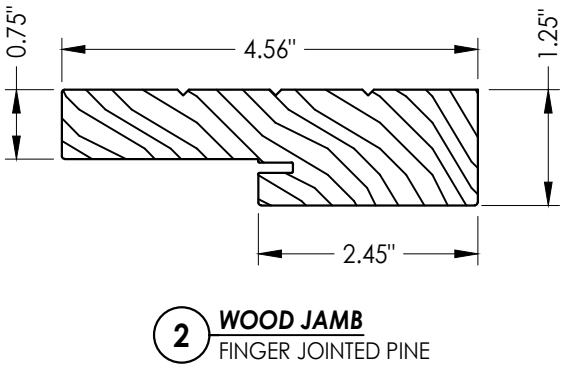
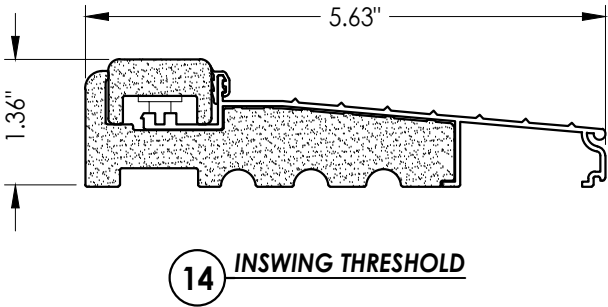
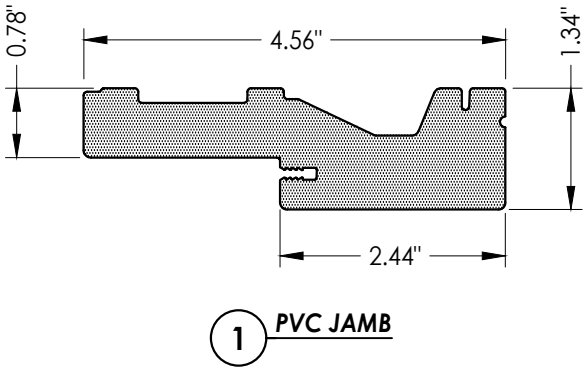
CONCRETE ANCHOR NOTES:

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 ULTRAON®+	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.



DATE: 1/30/25		DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-47284.5			
SHEET 9 OF 9			
PRODUCT: TRINITY FIBERGLASS DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
NO.		DATE	
1		6/20/25	
		ADD GLAZING DETAIL G3	
		LFS	
		BY	
		REVISIONS	