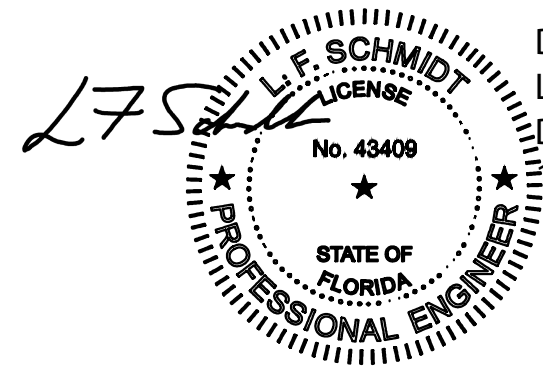




This item has been digitally signed and sealed by **L. F. Schmidt, P.E.** on the date adjacent to the seal.

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

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

97.88" MAX. O.A. FRAME HEIGHT
(INSWING)

97.25" MAX. O.A. FRAME HEIGHT
(OUTSWING)

37.75" MAX. O.A. FRAME WIDTH

Diagram illustrating the dimensions for a door frame. The drawing shows a door with a large 'X' in the center. The dimensions are labeled as follows:

- 97.88" MAX. O.A. FRAME HEIGHT (INSWING)
- 97.25" MAX. O.A. FRAME HEIGHT (OUTSWING)
- 37.75" MAX. O.A. FRAME WIDTH

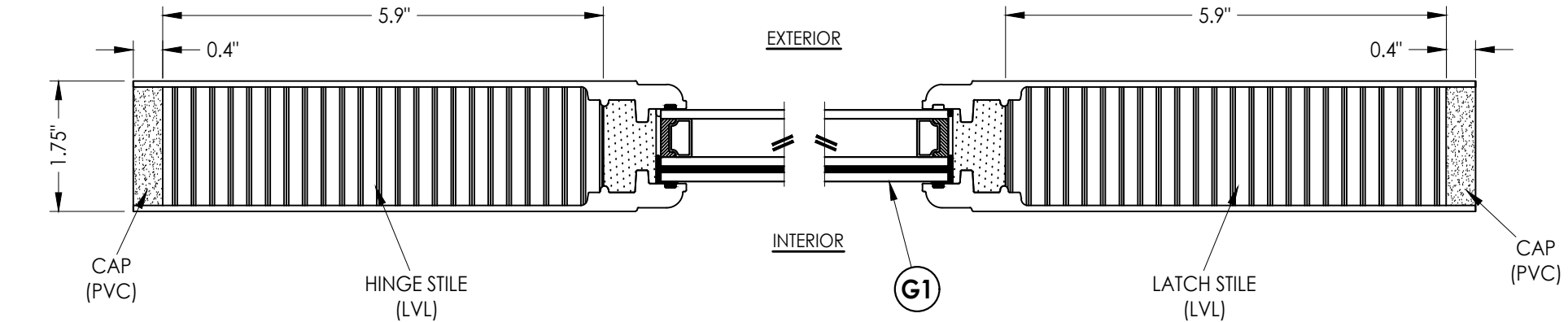
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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	Horizontal & vertical cross sections (2x buck)
4	Horizontal & vertical cross sections (1x buck)
5	Horizontal & vertical cross sections (Direct to Masonry)
6	Vertical cross sections
7	Buck & frame anchoring
8	Bill of materials & Components

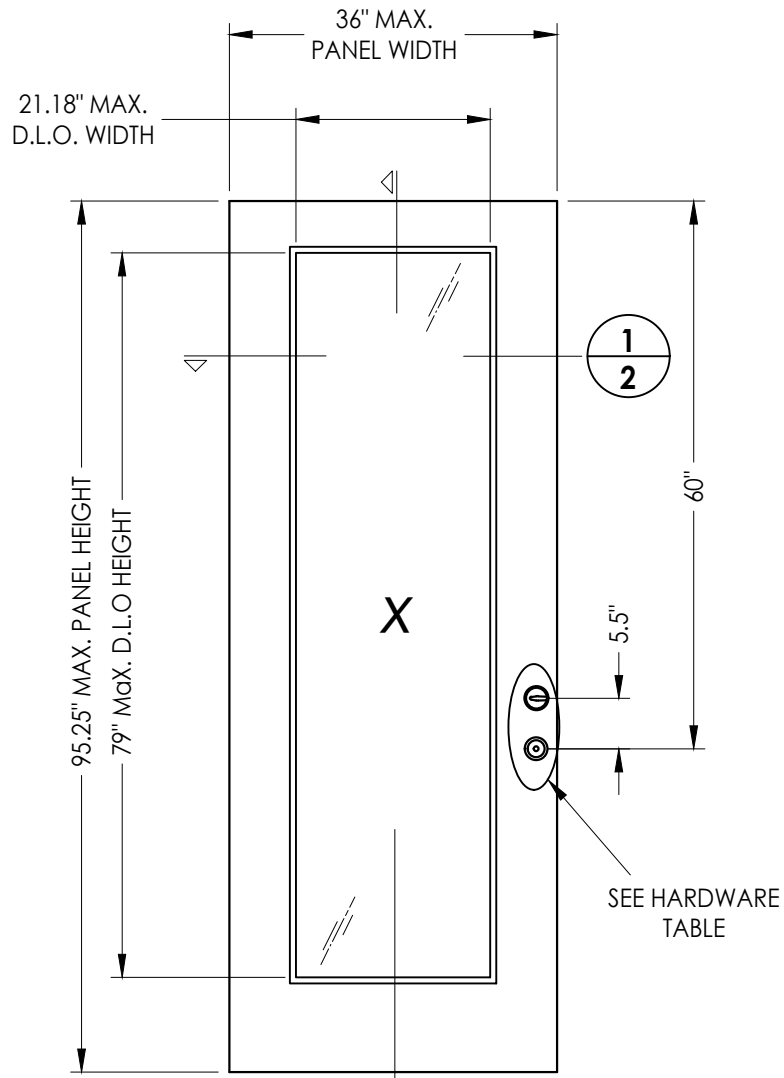
CONFIGURATION	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+40.0	-45.0	+40.0	-40.0

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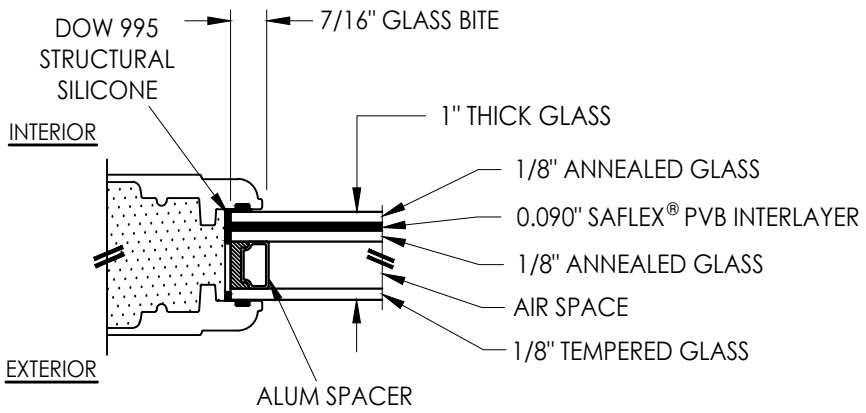


1
2 HORIZONTAL CROSS SECTION



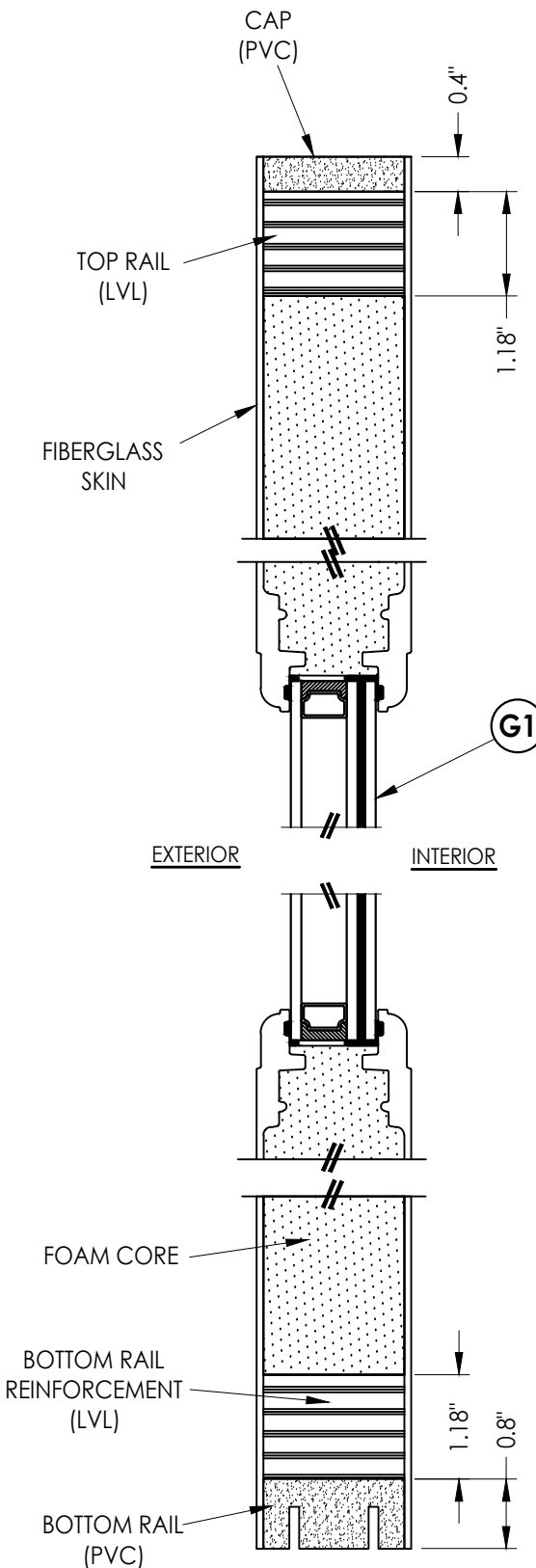
2
2 FIBERGLASS DOOR PANEL
GlassCraft

DOOR SKIN: 0.080" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



G1 GLAZING DETAIL
FLUSH GLAZING

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



2
2 VERTICAL CROSS SECTION

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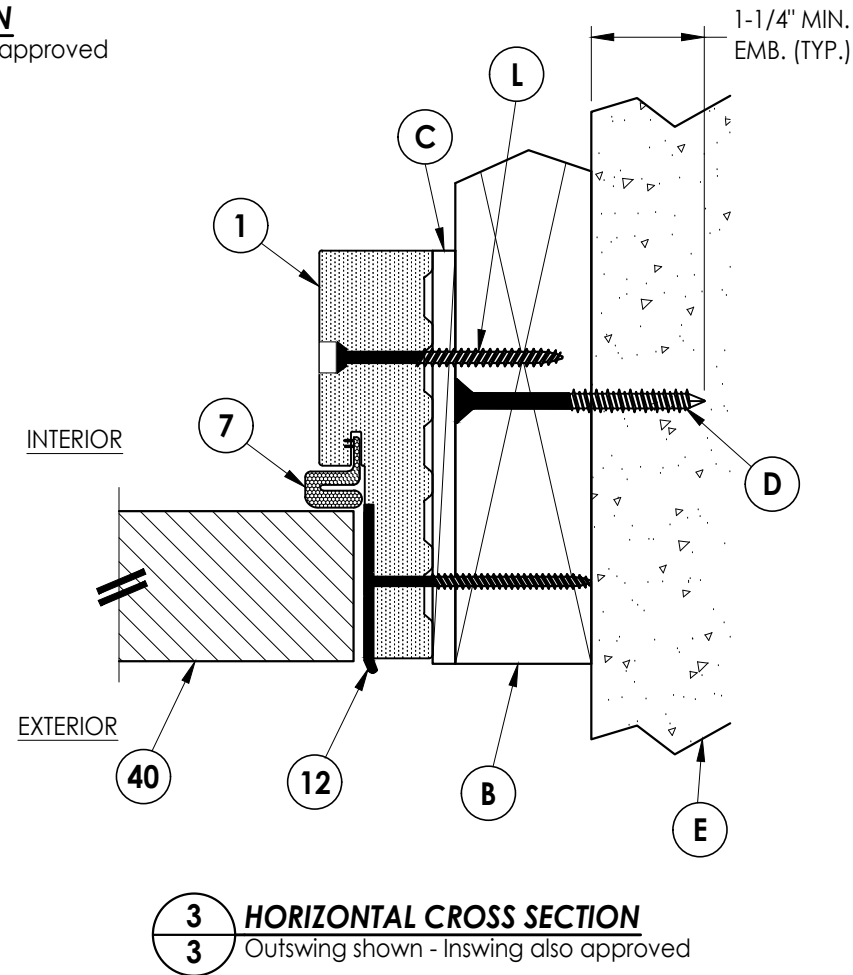
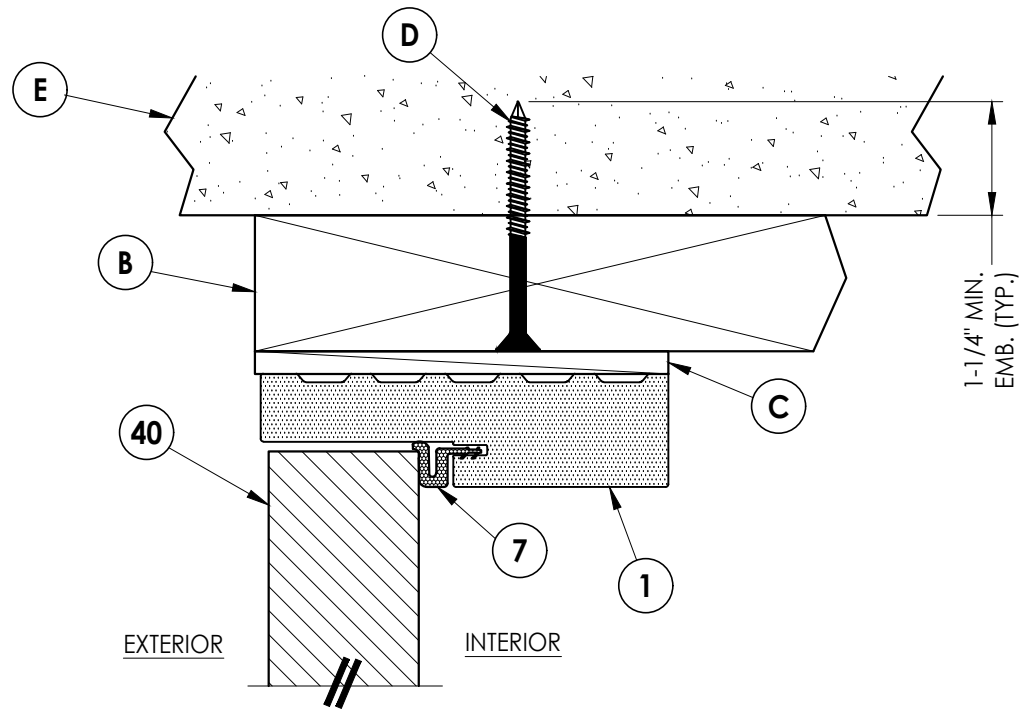
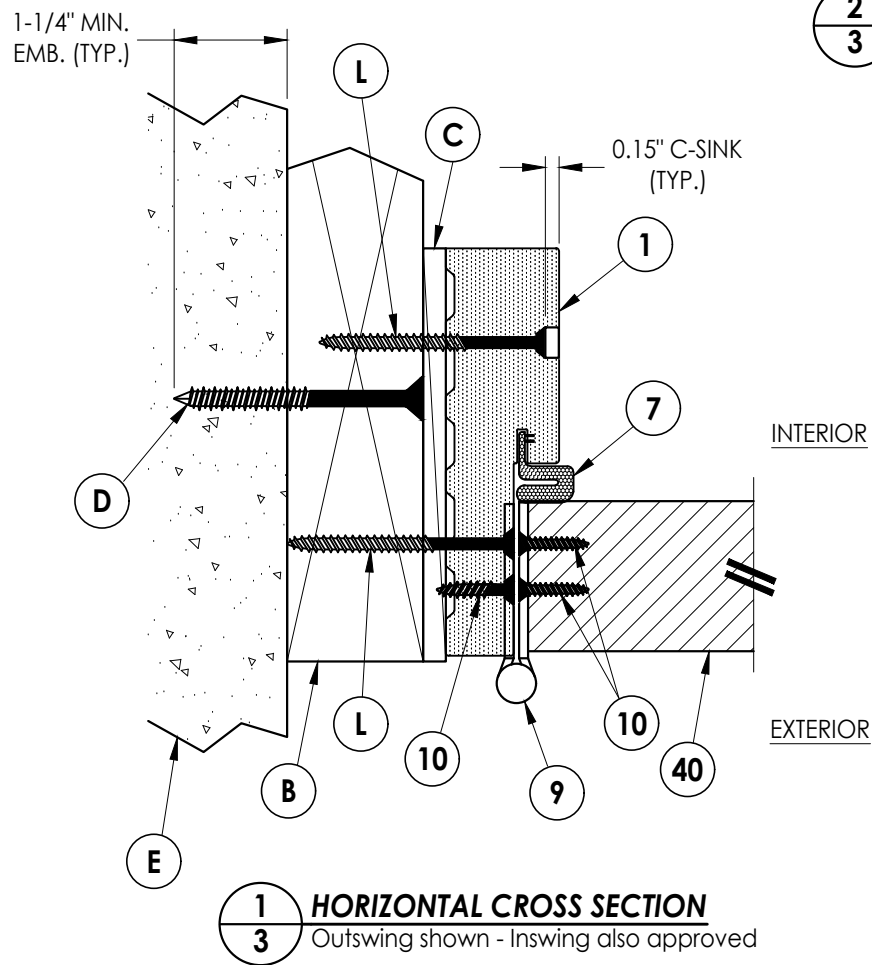
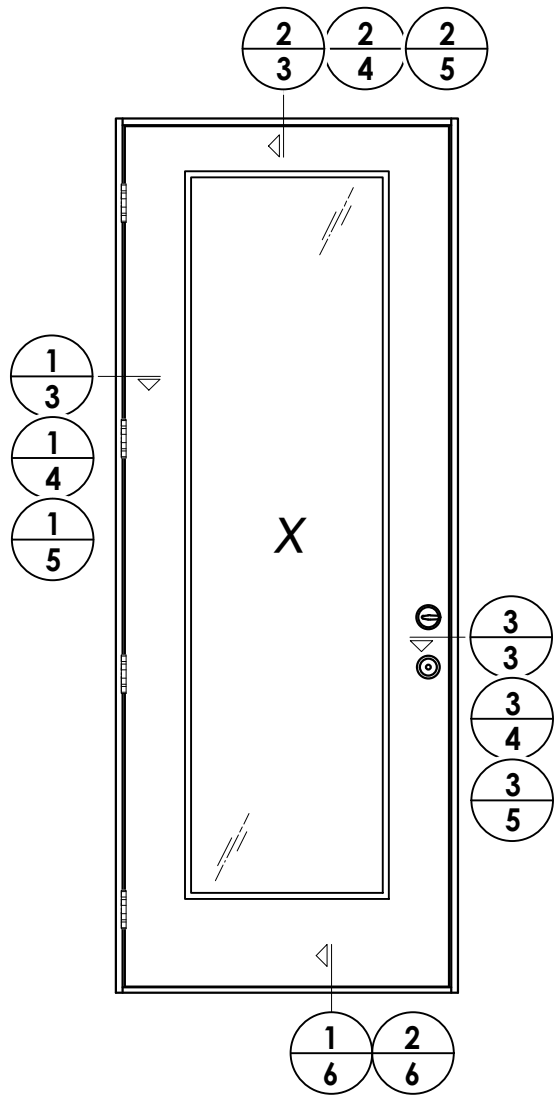
PRODUCT:
GLASSCRAFT DOOR CO.

PART OR ASSEMBLY:
DOOR PANEL DETAILS

REVISIONS	
NO.	DATE

DATE:	9/18/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-39764.7
SHEET	2 OF 8

Z:\2023 FBC Drawings\GlassCraft Door Corp\FL-39764 R3\FL-39764.7.dwg



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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:
GLASSCRAFT DOOR CO.

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

NO.	DATE	REVISIONS	BY

DATE: 9/18/24

SCALE: N.T.S.

DWG. BY: LFS

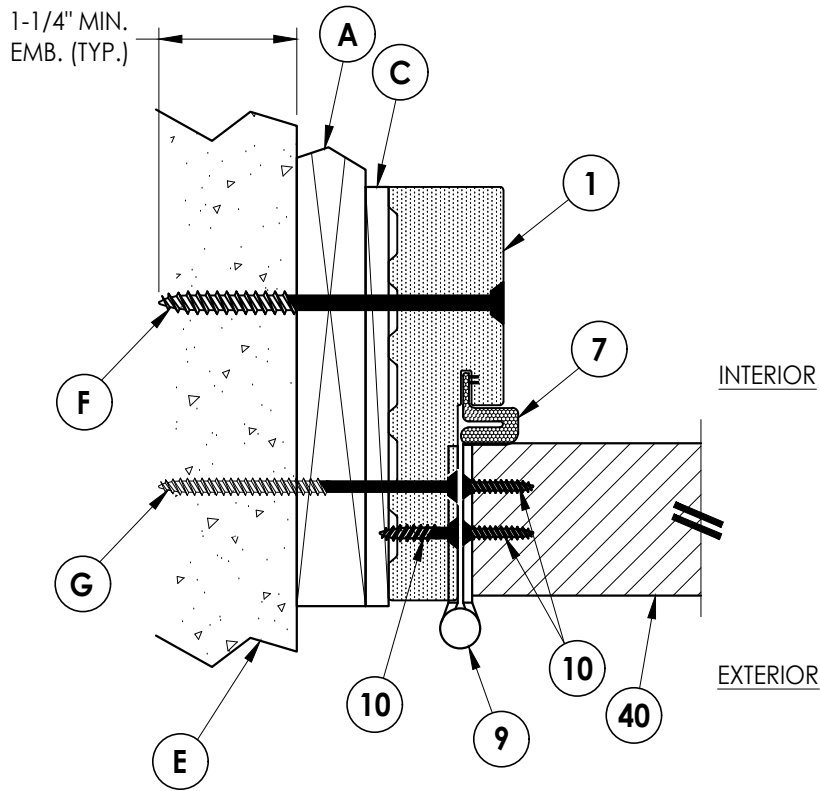
CHK. BY: RW

DRAWING NO.:

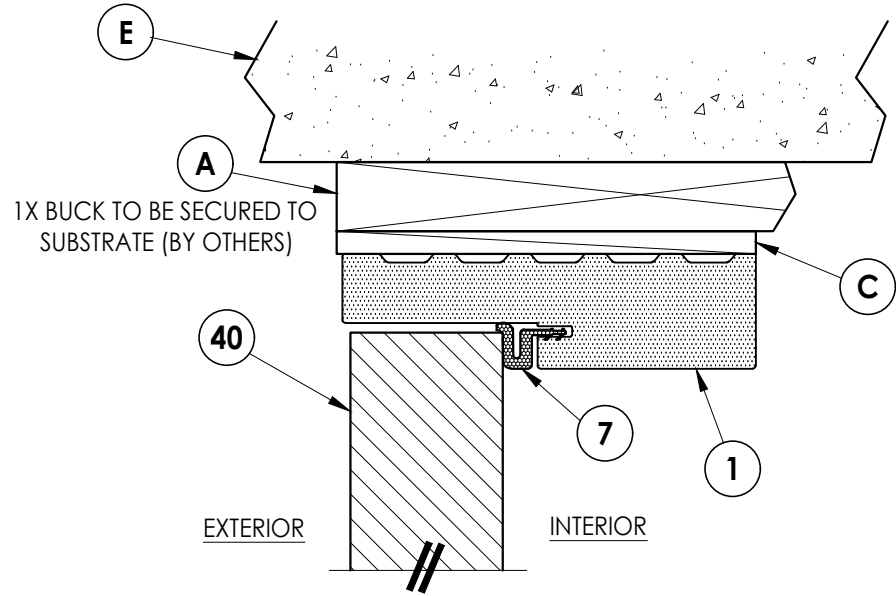
FL-39764.7

SHEET 3 OF 8

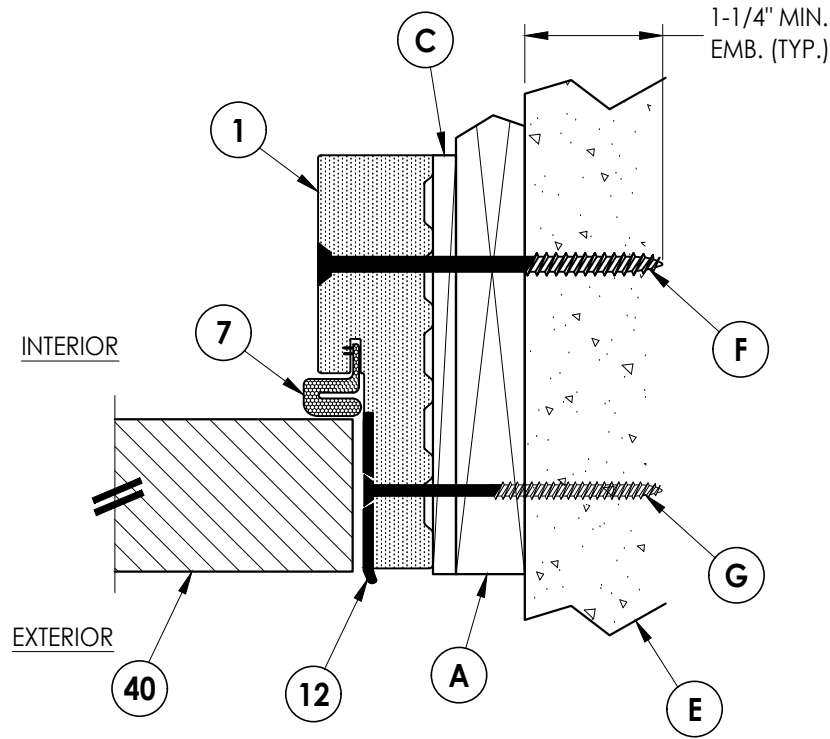
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1
4 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



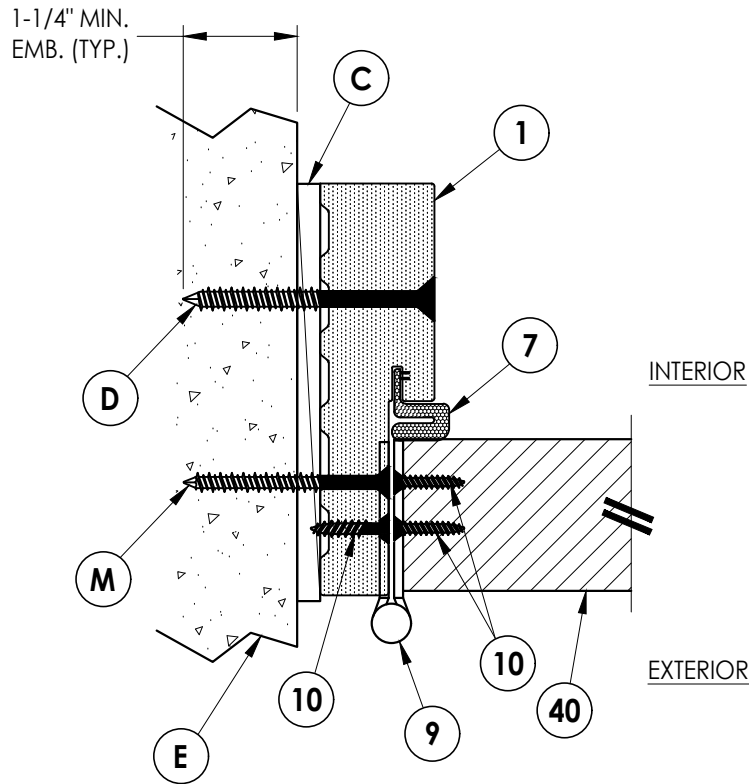
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4 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved



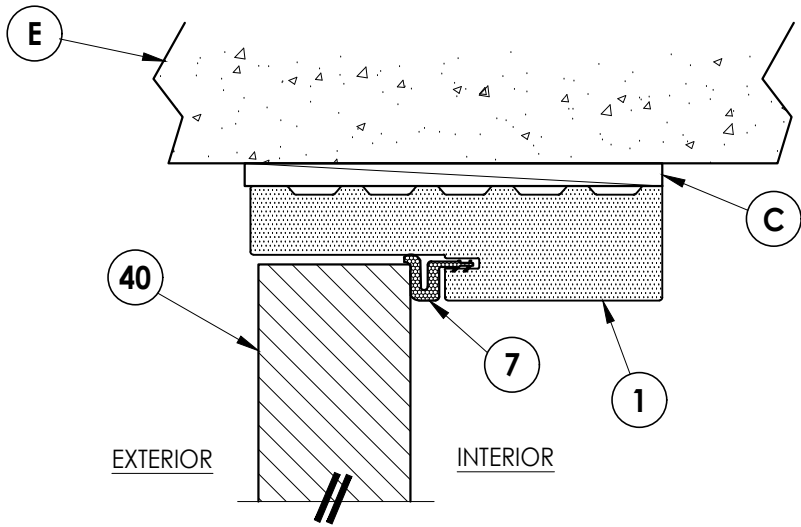
3
4 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved

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: GLASSCRAFT DOOR CO.		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS (1X BUCK)	
		REVISIONS	
		NO.	DATE
		BY	
DATE: 9/18/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-39764.7			
SHEET 4 OF 8			

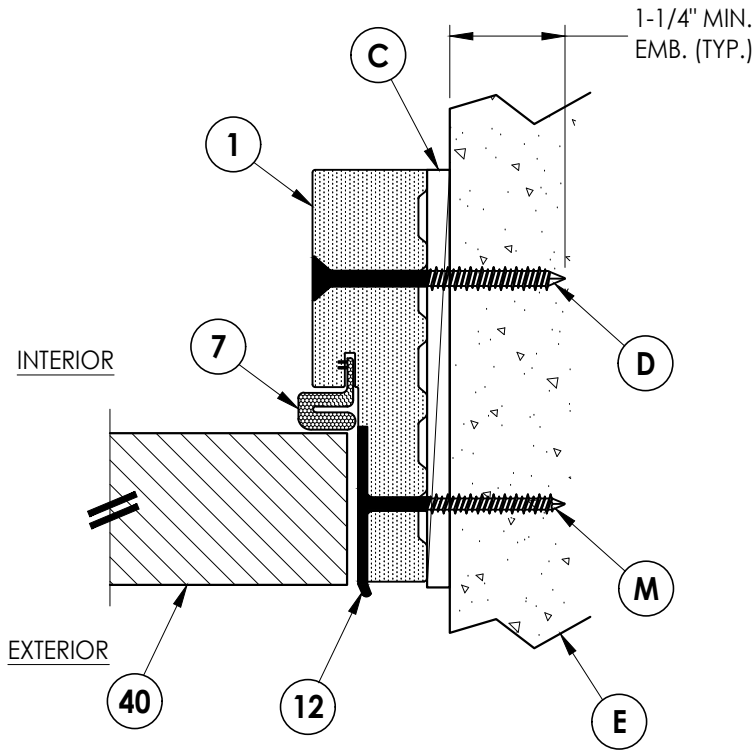
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1
5 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



2
5 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved

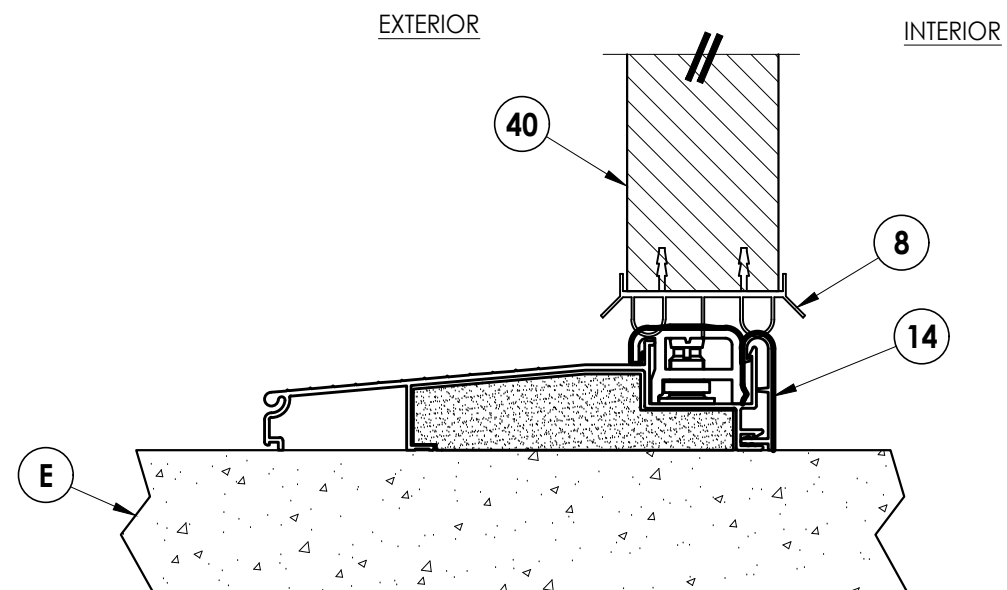


3
5 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved

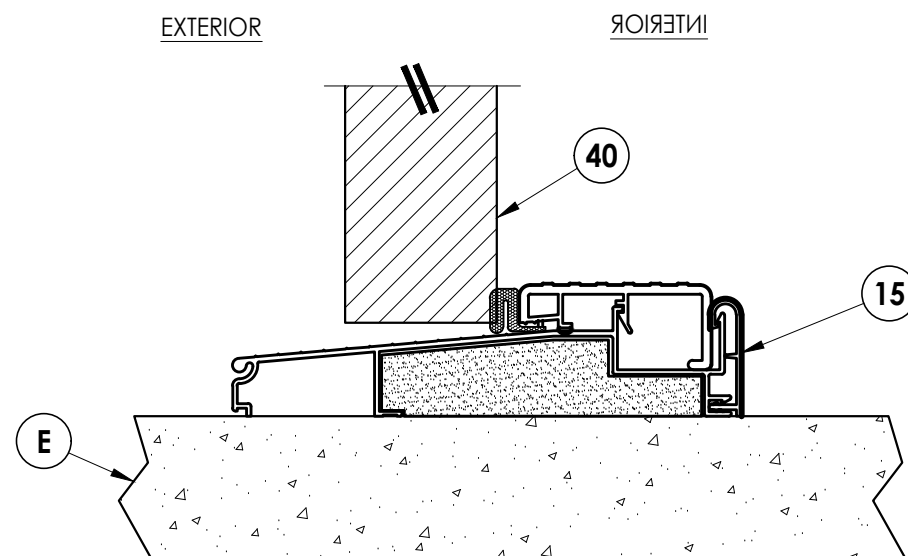
DATE:	9/18/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-39764.7
SHEET	5 OF 8

PRODUCT:	GLASSCRAFT DOOR CO.
PART OR ASSEMBLY:	HORIZONTAL AND VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

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



1 VERTICAL CROSS SECTION
6 Inswing sill



2 VERTICAL CROSS SECTION
6 Outswing sill

[illegible]

DATE: 9/18/24

SCALE: N.T.S.

DWG. BY: *LFS*

CHK. BY: RW

DRAWING NO.:

FL-39764.7

SHEET 6 OF 8

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: GLASSCRAFT DOOR CO.

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

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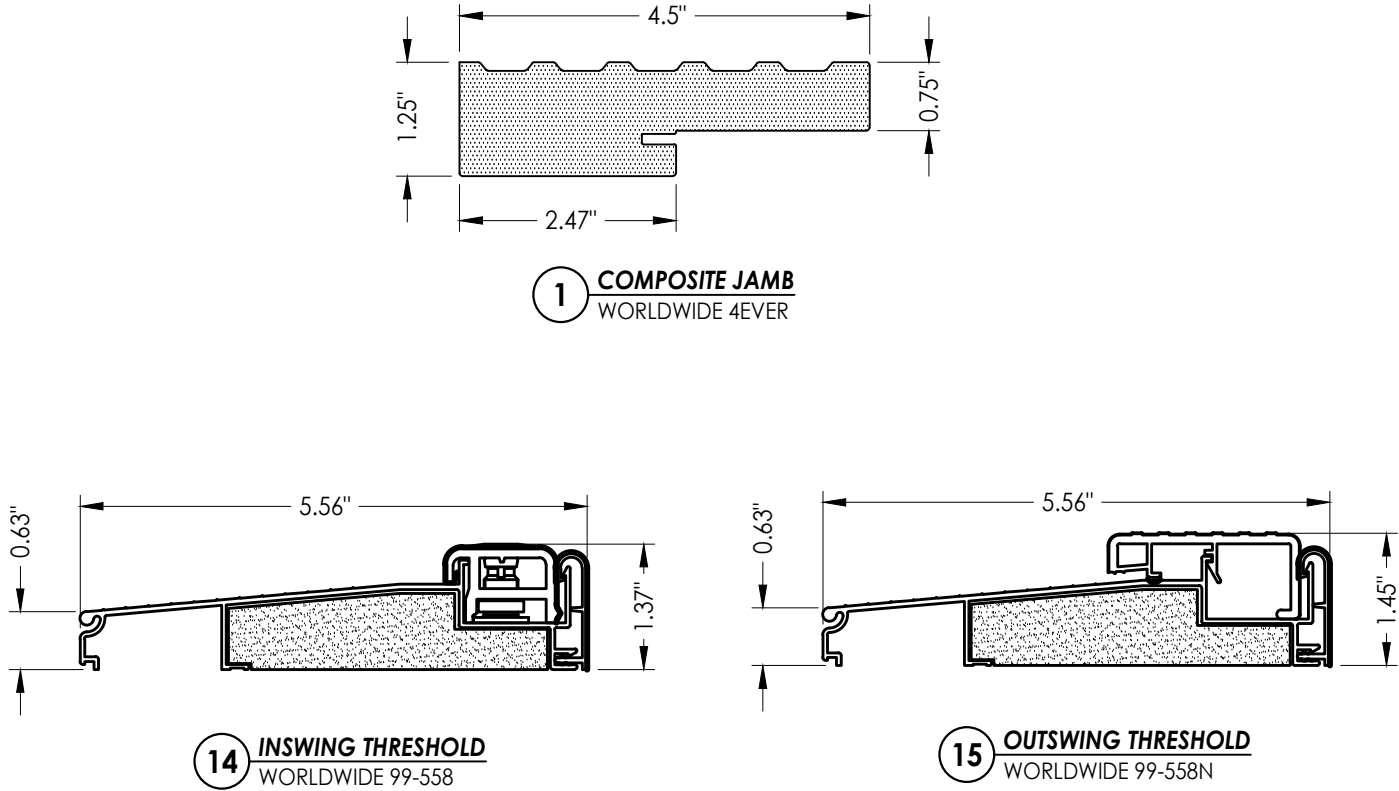
[illegible]

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

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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	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	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
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
22	#8 X 5/8" PFH MACHINE SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR 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"	AS SHOWN	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.

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

PRODUCT:
GLASSCRAFT DOOR CO.

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

REVISIONS		NO.	DATE	BY

DATE: 9/18/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-39764.7

SHEET 8 OF 8