

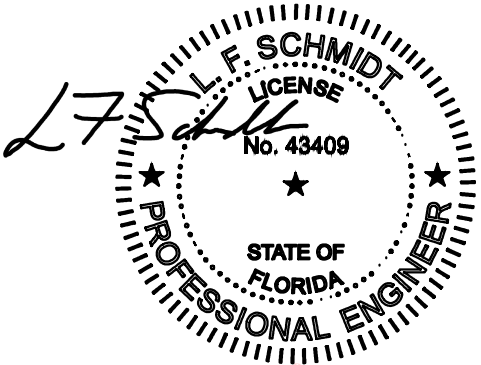
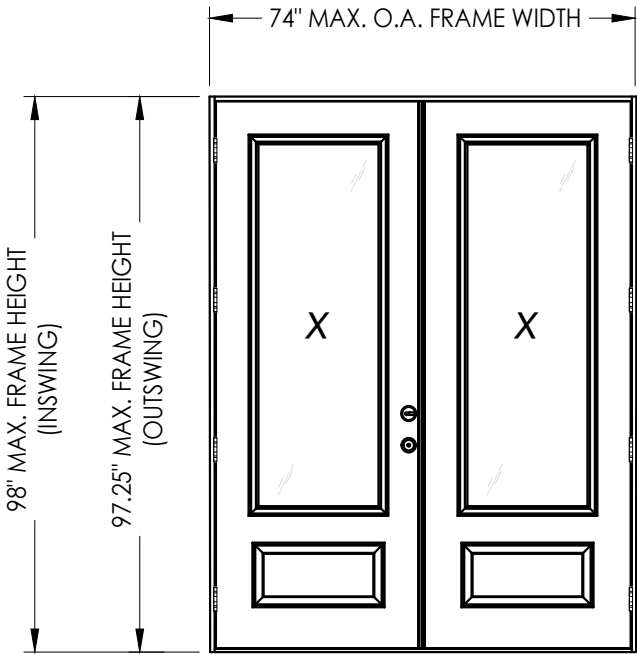


GLAZED FIBERGLASS
DOUBLE DOOR
w/ or w/out SIDELITES
INSWING / OUTSWING
"IMPACT"

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 includes 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.

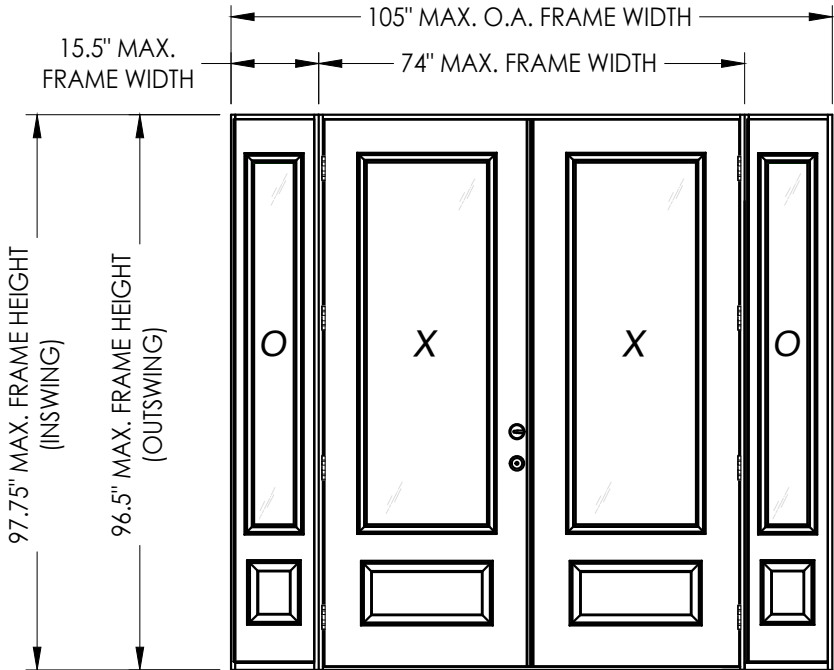
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal Cross Sections
2	Door Panel Details	9	Vertical Cross Sections
3	Sidelite Panel Details	10	Buck Anchoring
4	Elevations	11	Frame Anchoring
5	Horizontal & Vertical Cross Sections (2X Buck)	12	Lite Frame & Glazing Details
6	Horizontal & Vertical Cross Sections (1X Buck)	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (Dir. to Masonry)		



Digitally signed by Lyndon F Schmidt
Date: 2023.10.09 12:54:18 -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



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	+45.0	-50.0	+50.0	-50.0
OXXO	+45.0	-50.0	+50.0	-50.0

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

PRODUCT:
GLASSCRAFT DOOR CO.

DATE: 8/25/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-39764.4

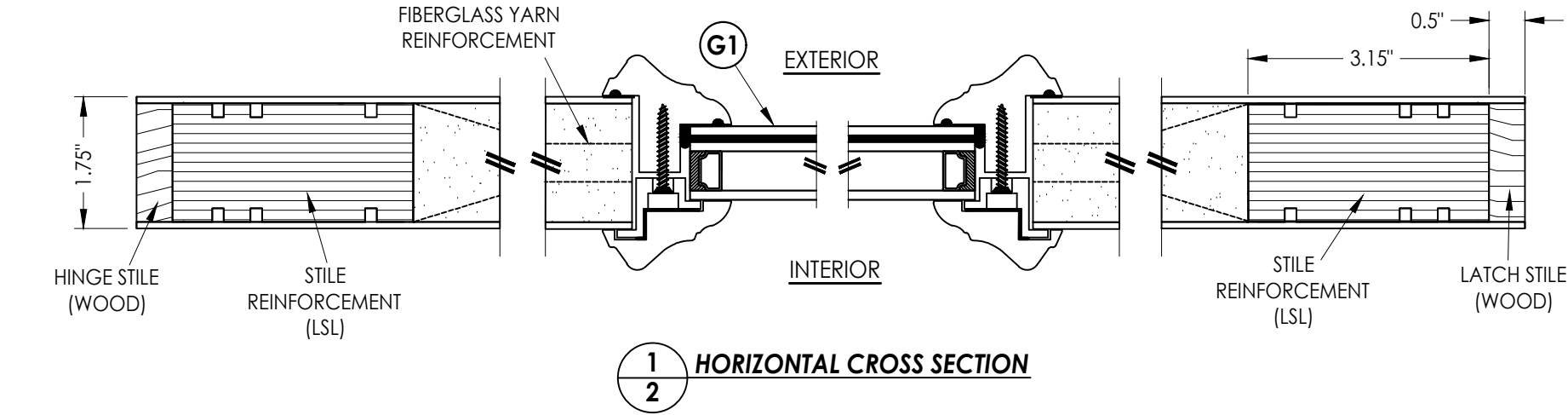
SHEET 1 OF 13

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

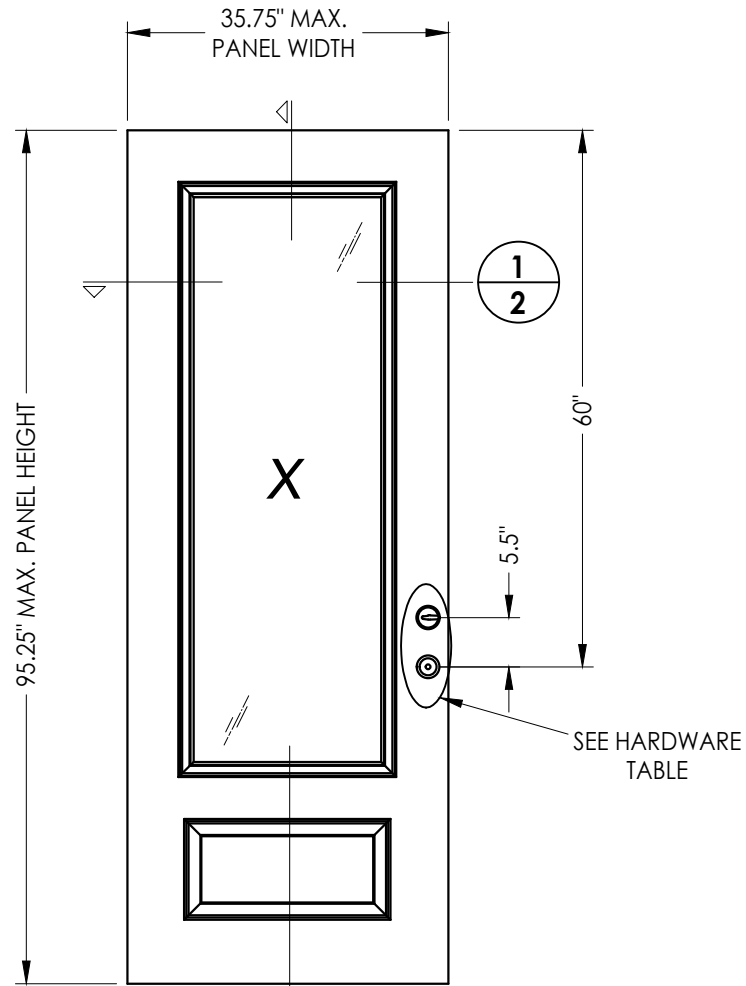
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

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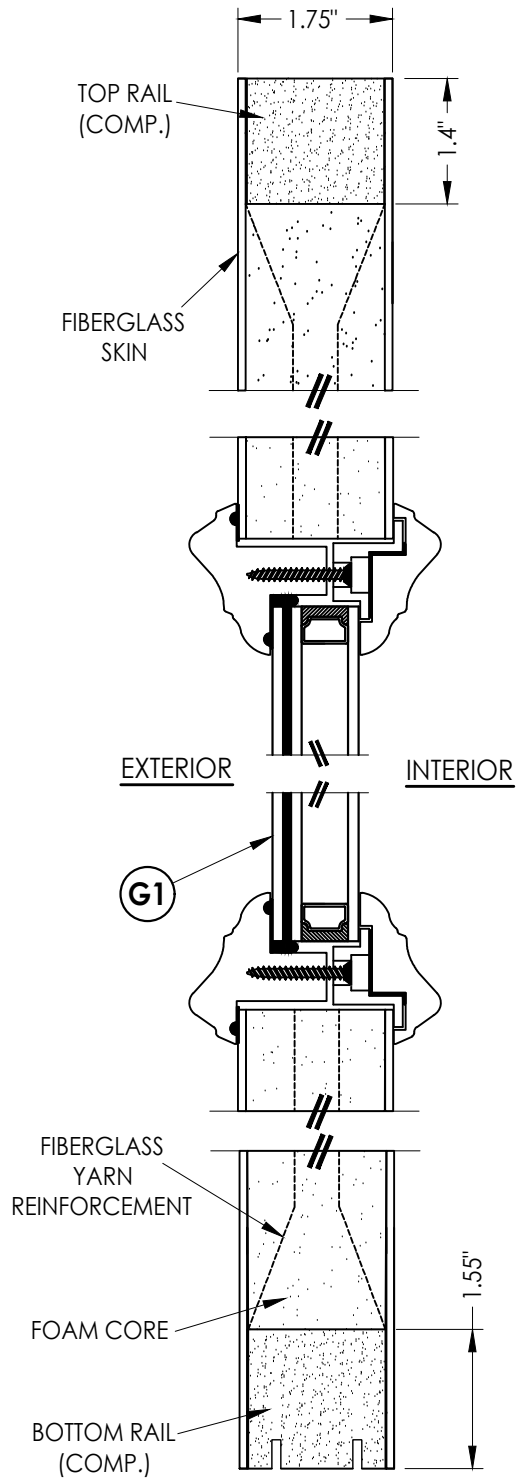
1
2 HORIZONTAL CROSS SECTION



2
2 GLAZED DOOR PANEL
Fiberglass

DOOR SKIN: 0.090" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM

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



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: GLASSCRAFT DOOR CO.

PART OR ASSEMBLY:
DOOR PANEL DETAILS

REVISIONS		DATE	BY
1	10/9/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 8/25/21

SCALE: N.T.S.

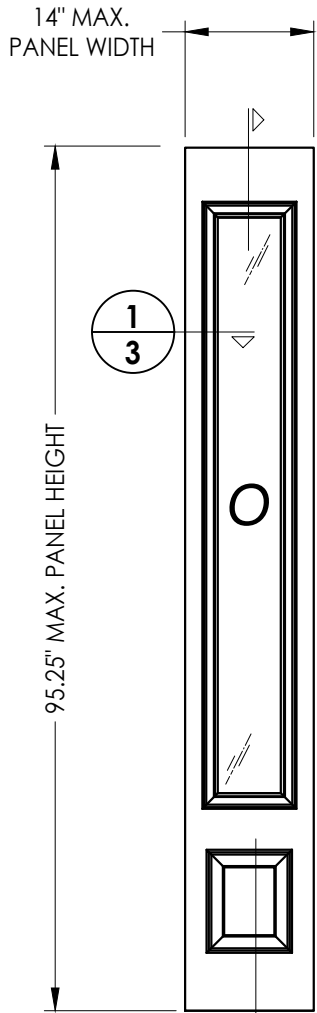
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CHK. BY: LFS

DRAWING NO.: FL-39764.4

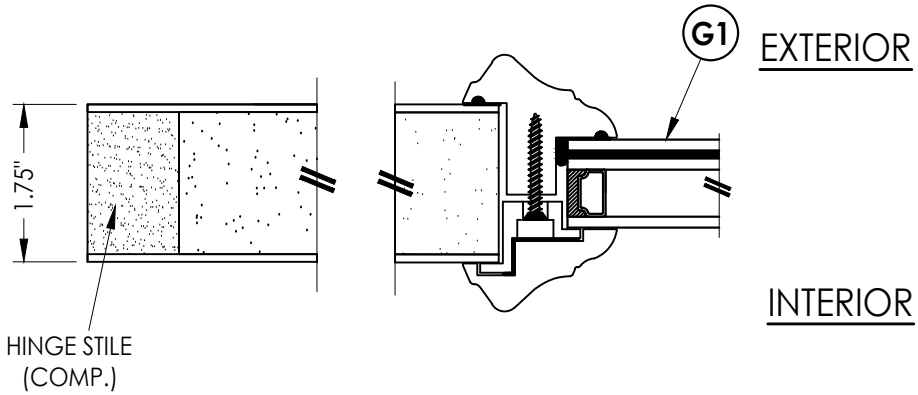
SHEET 2 OF 13

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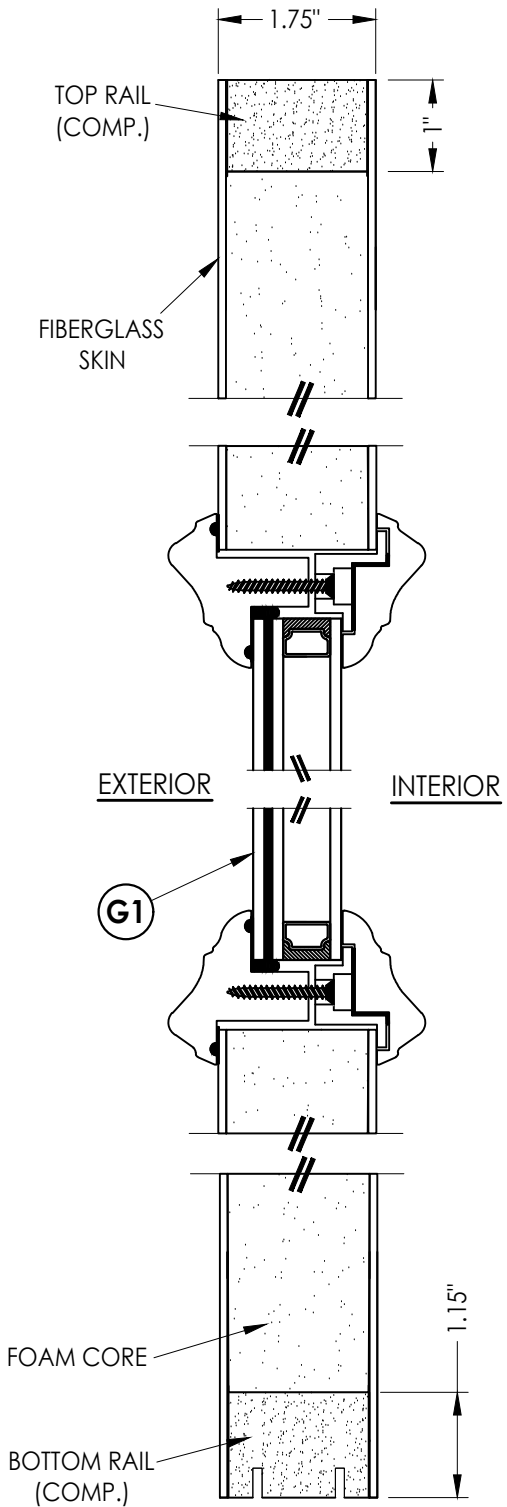


50 SIDELITE PANEL
Fiberglass

DOOR SKIN: 0.090" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



1
3 HORIZONTAL CROSS SECTION



2
3 VERTICAL CROSS SECTION

DATE: 8/25/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-39764.4
SHEET 3 OF 13

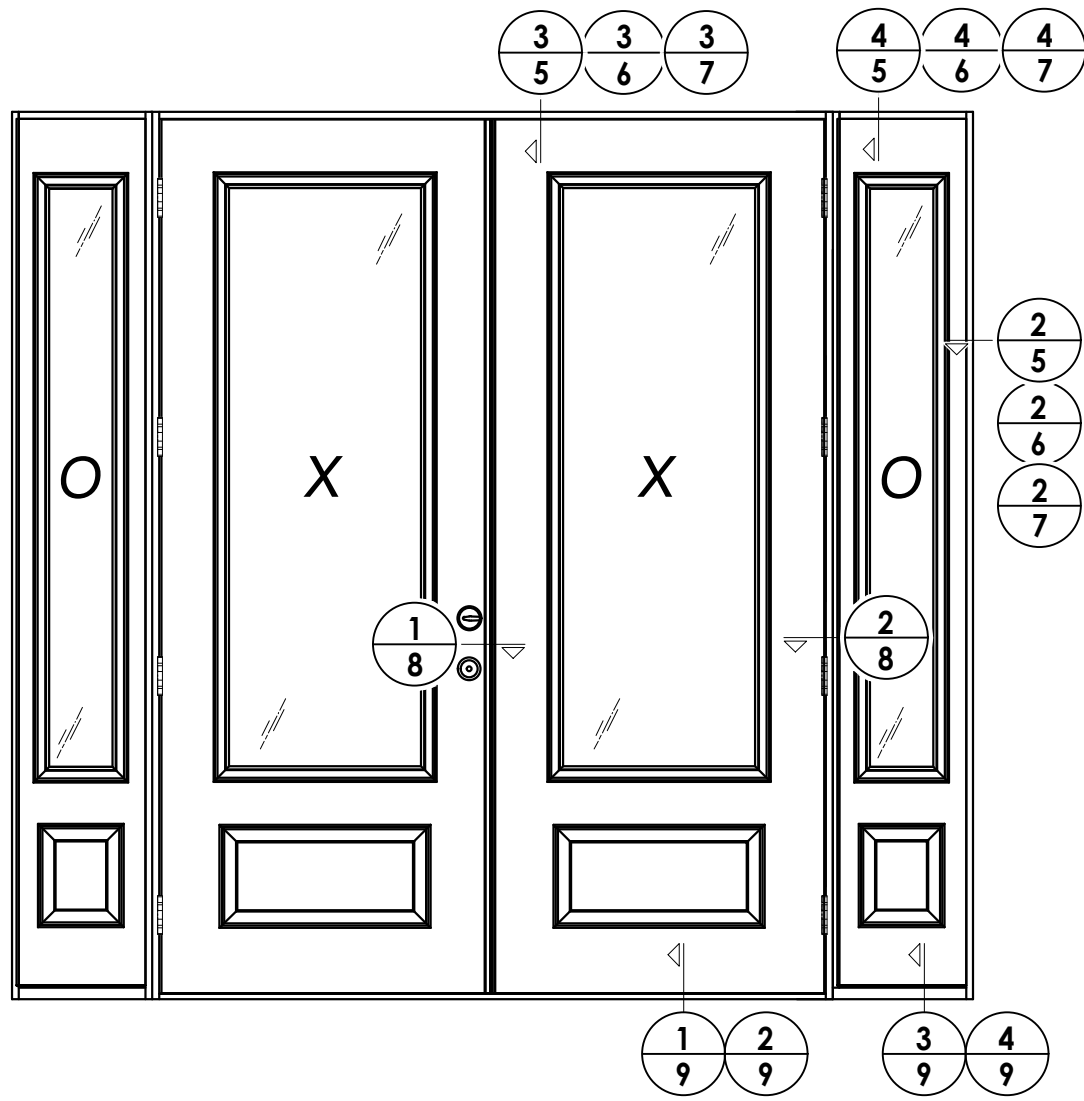
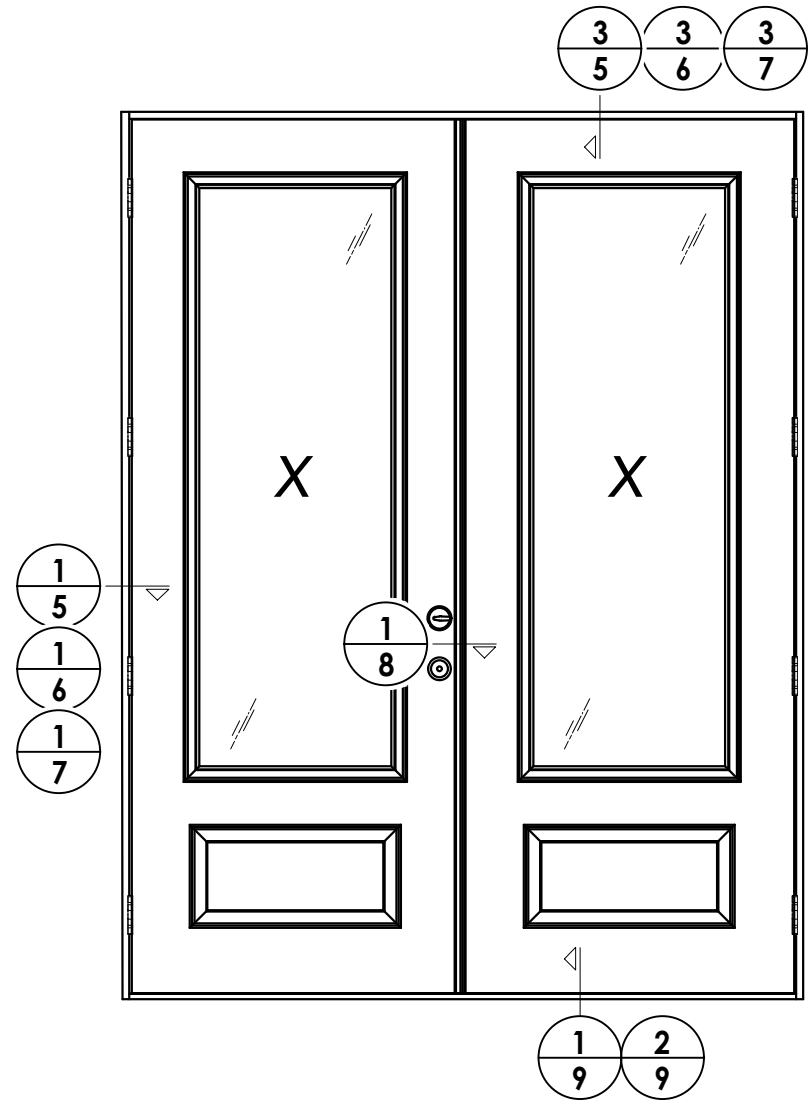
PRODUCT: GLASSCRAFT DOOR CO.

PART OR ASSEMBLY: SIDELITE PANEL DETAILS

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1	10/9/23	LFS	UPDATE TO 8TH ED. (2023) FBC



1	10/9/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NO.	DATE	BY		
REVISIONS				

DATE:	8/25/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-39764.4
SHEET	4 OF 13

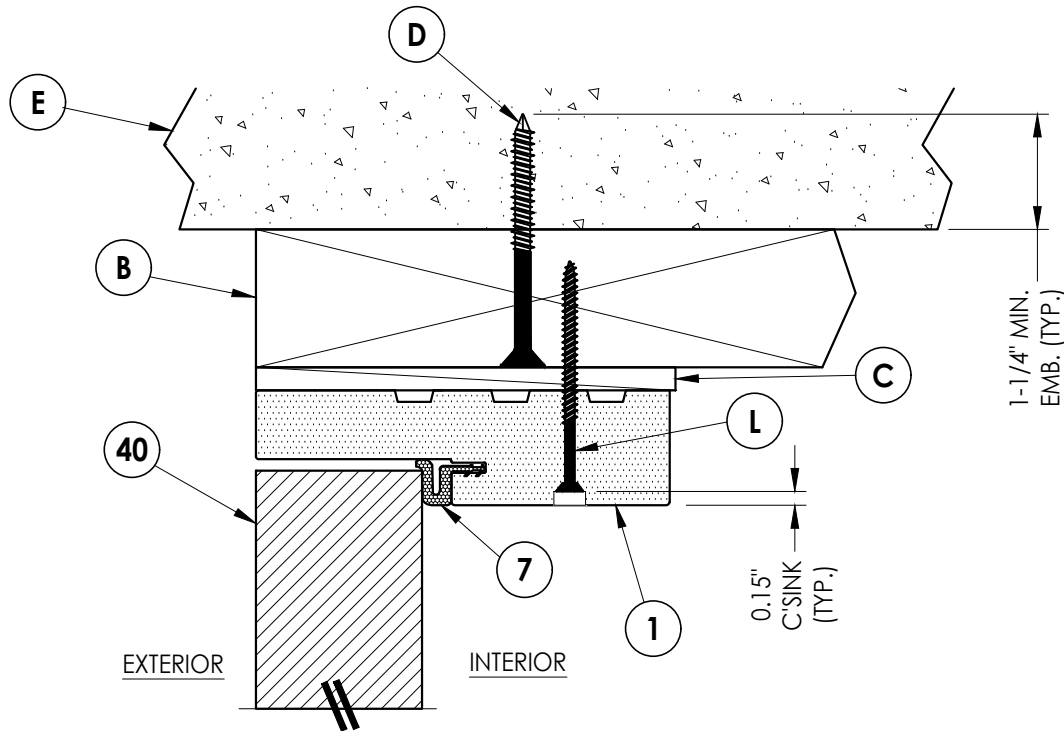
PRODUCT: GLASSCRAFT DOOR CO.

PART OR ASSEMBLY:

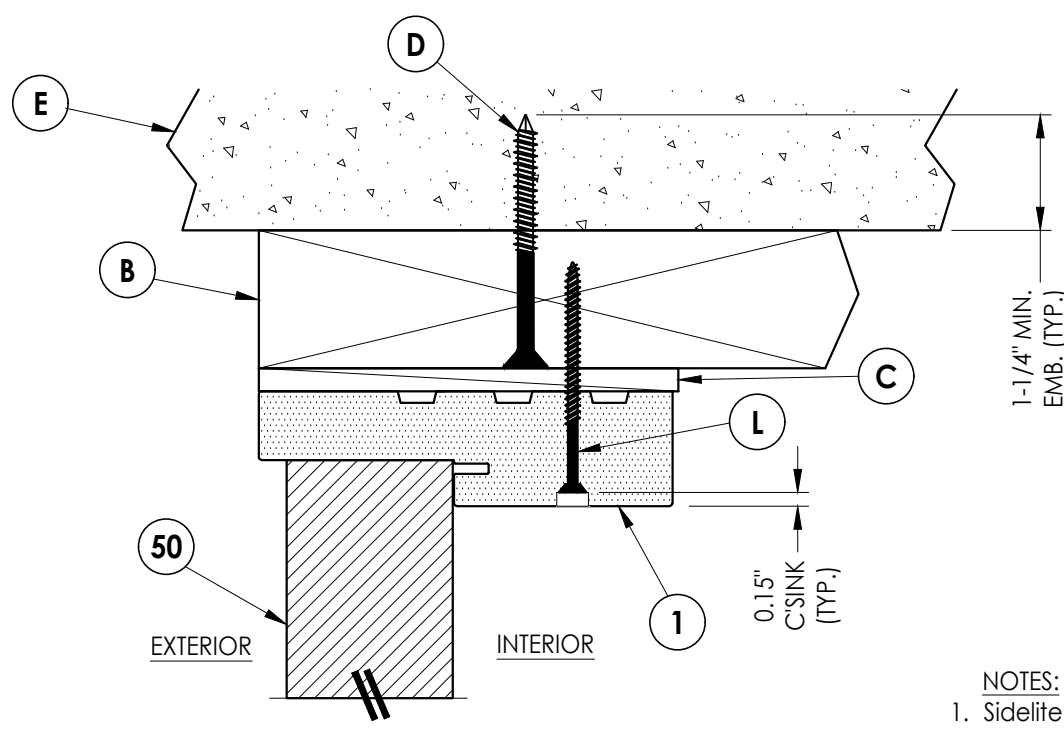
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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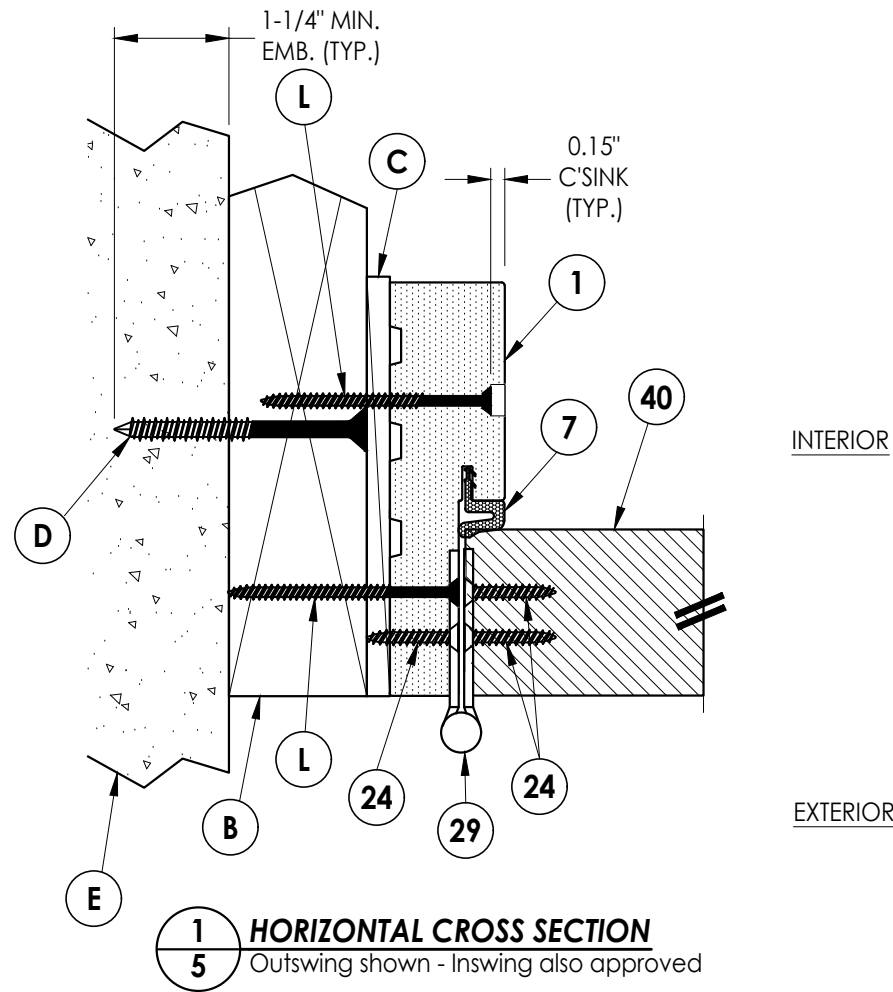


3 VERTICAL CROSS SECTION
5 Outswing shown - Inswing also approved

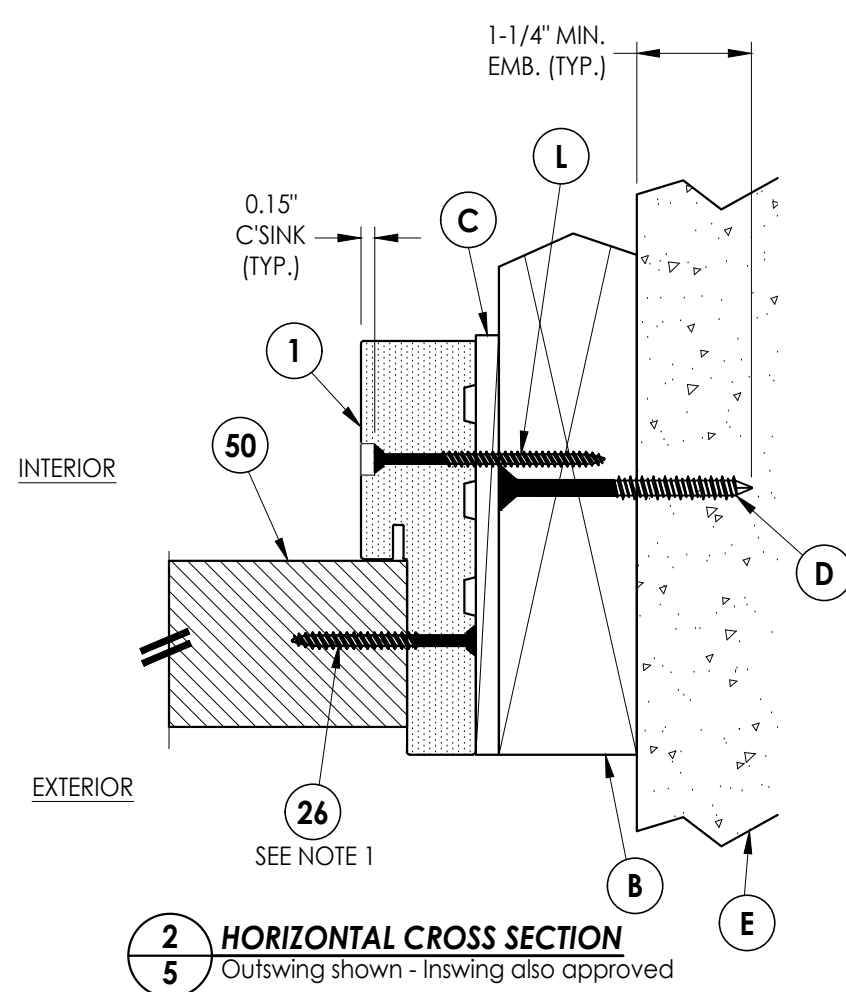


4 VERTICAL CROSS SECTION
5 Outswing shown - Inswing also approved

NOTES:
1. Sidelite panel screws located 6" from each end plus 5 more equally spaced (7 screws total).



1 HORIZONTAL CROSS SECTION
5 Outswing shown - Inswing also approved



2 HORIZONTAL CROSS SECTION
5 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 & VERTICAL CROSS SECTIONS (2X BUCK)	
		REVISIONS	
		NO.	DATE
		1	10/9/23
		UPDATE TO	8TH ED. (2023)
		FBC	LFS
		BY	
DATE: 8/25/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-39764.4			
SHEET 5 OF 13			

A detailed cross-section diagram of a parapet wall assembly. The diagram is divided into two main sections: **EXTERIOR** on the left and **INTERIOR** on the right. The exterior side shows a sloped concrete or masonry wall (labeled **50**) with a horizontal reinforcement bar (labeled **A**) extending into the interior. The interior side shows a vertical concrete or masonry wall (labeled **1**) with a horizontal reinforcement bar (labeled **C**) extending into the exterior. A vertical reinforcement bar (labeled **F**) runs through the center of the wall. The top of the wall is finished with a concrete or masonry cap (labeled **E**) containing aggregate. A dimension line on the right indicates a minimum thickness of **1-1/4" MIN.** for the exterior finish, with a note **EMB. (TYP.)** (Embedment, Typical). The diagram uses various hatching patterns to represent different materials: diagonal lines for concrete/masonry, stippling for insulation, and a solid black area for the core of the wall.

[illegible]

NOTES:

- Sidelite panel screws located 6" from each end plus 5 more equally spaced (7 screws total).

[illegible]

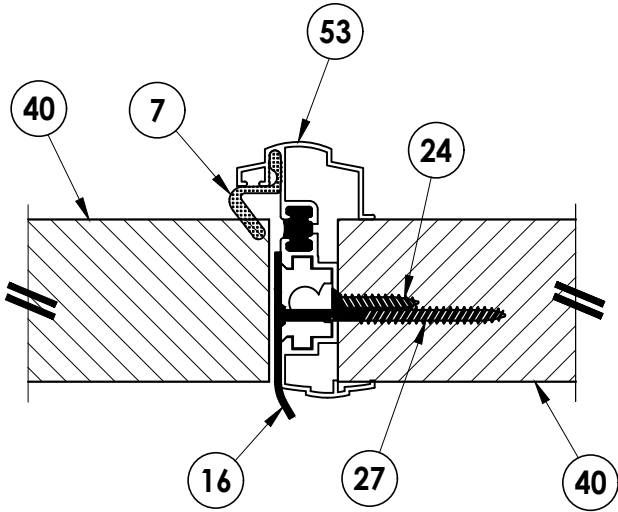
A detailed cross-section diagram of a parapet wall. The wall is shown in two parts: an exterior face on the left and an interior face on the right. The exterior face is labeled 'E' and shows a concrete surface with aggregate. The interior face is labeled 'I' and shows a concrete surface with aggregate. The wall is supported by a base labeled '50'. A vertical reinforcement bar, labeled 'D', is shown passing through the wall. The wall is labeled 'C' and '1'. A dimension line on the right indicates a minimum thickness of 1-1/4" MIN. EMB. (TYP.). The wall is labeled 'EXTERIOR' and 'INTERIOR' at the bottom.

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NOTES:

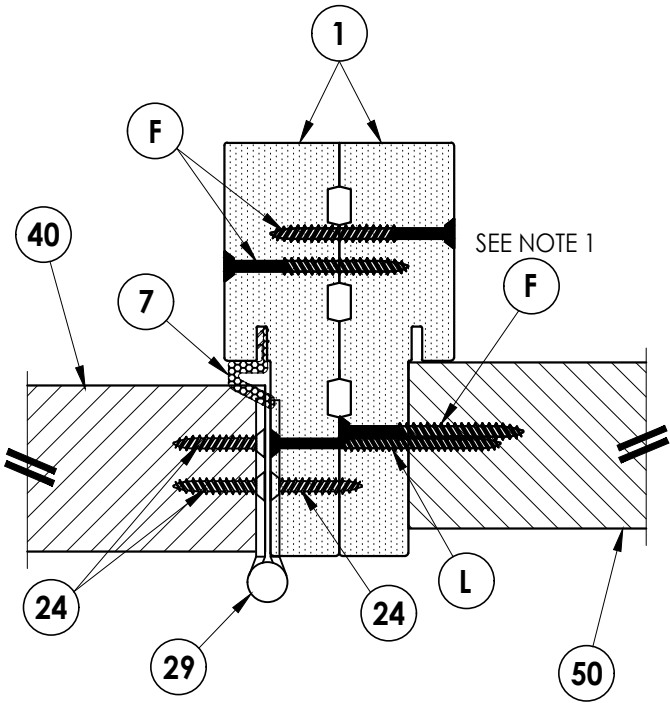
1. Sidelite panel screws located 6" from each end plus 5 more equally spaced (7 screws total).



1 HORIZONTAL CROSS SECTION
8 Outswing shown - Inswing also approved

INTERIOR

EXTERIOR



2 HORIZONTAL CROSS SECTION
8 Outswing shown - Inswing also approved

DATE: 8/25/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-39764.4

SHEET 8 OF 13

PRODUCT:
GLASSCRAFT DOOR CO.

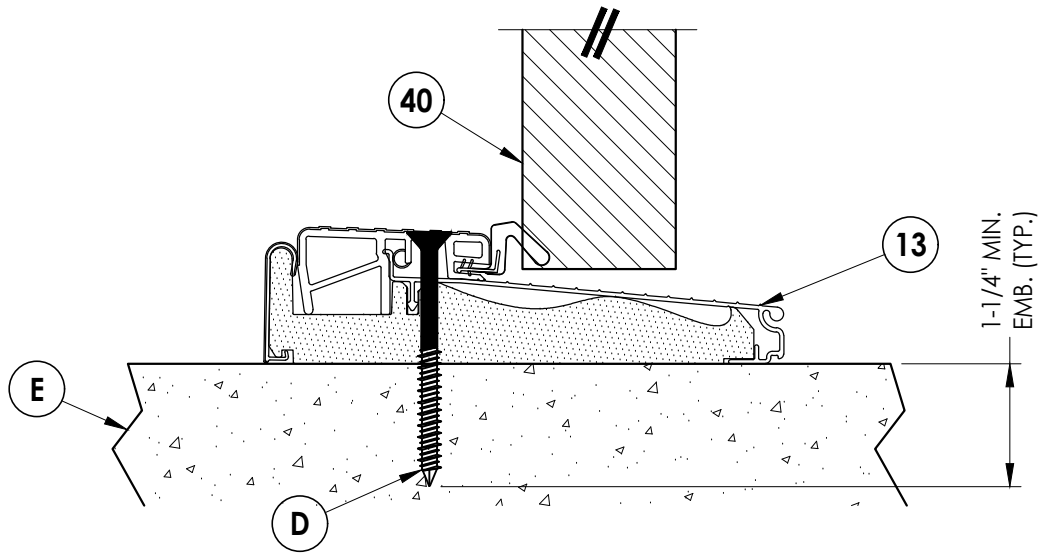
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

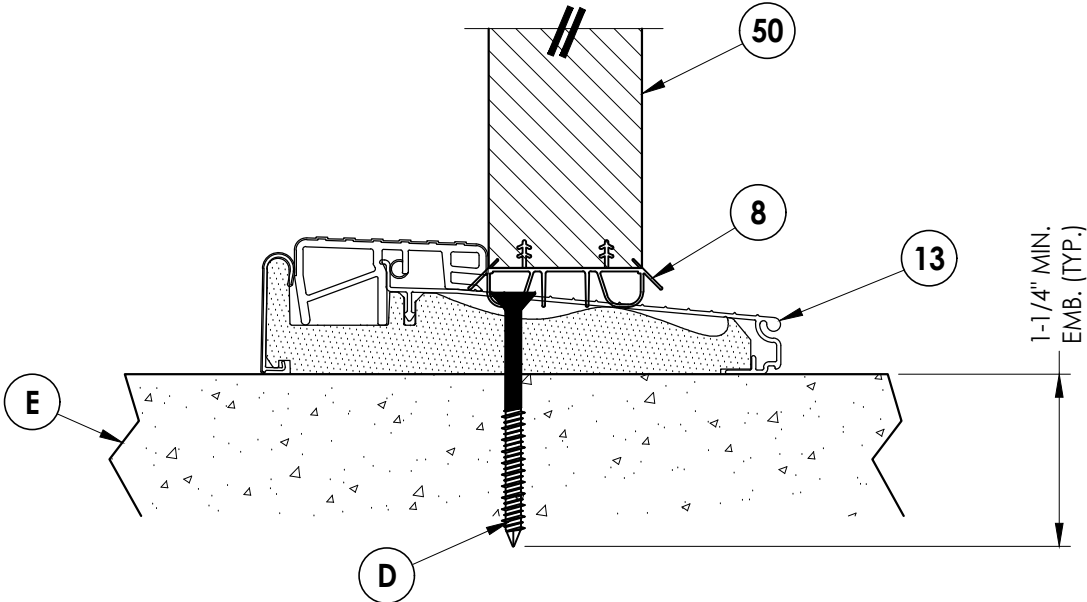
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

NO.	DATE	REVISIONS
1	10/9/23	UPDATE TO 8TH ED. (2023) FBC LFS
		BY

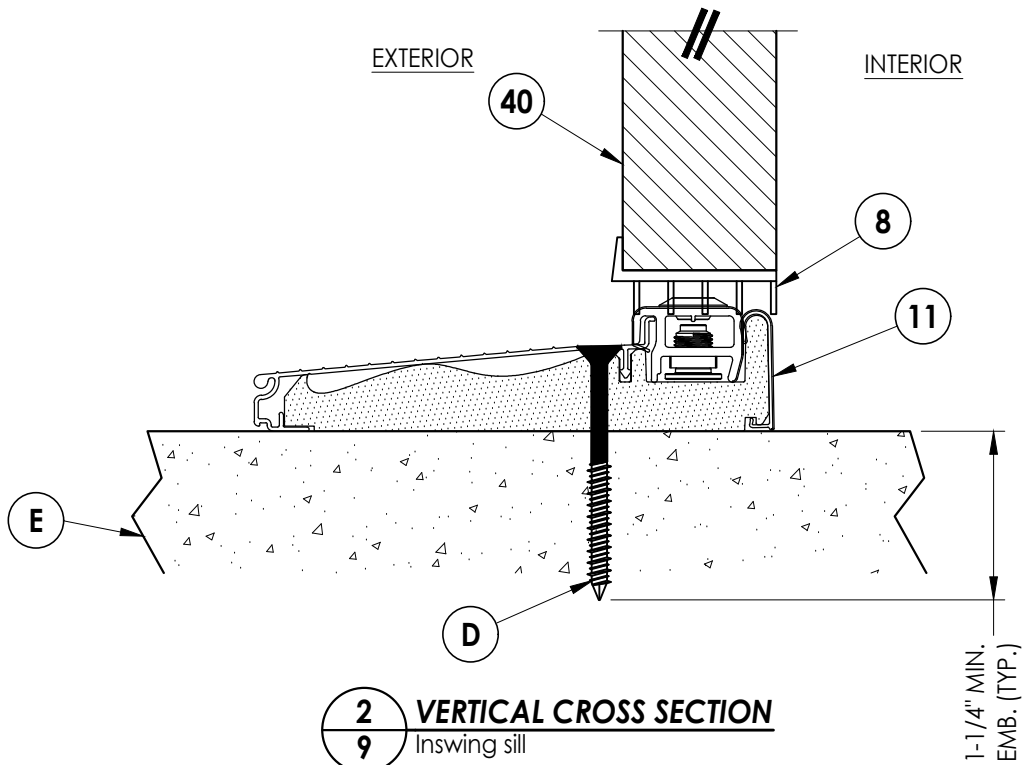
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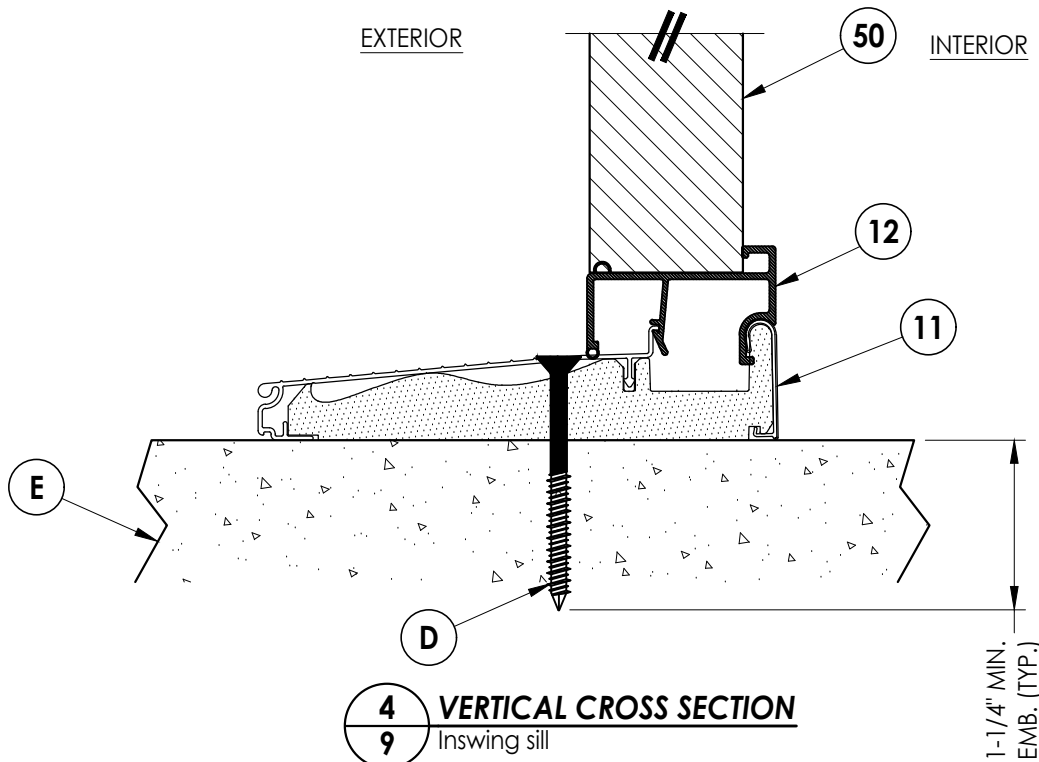
1 **VERTICAL CROSS SECTION**
9 Outswing sill



3 **VERTICAL CROSS SECTION**
9 Outswing sill

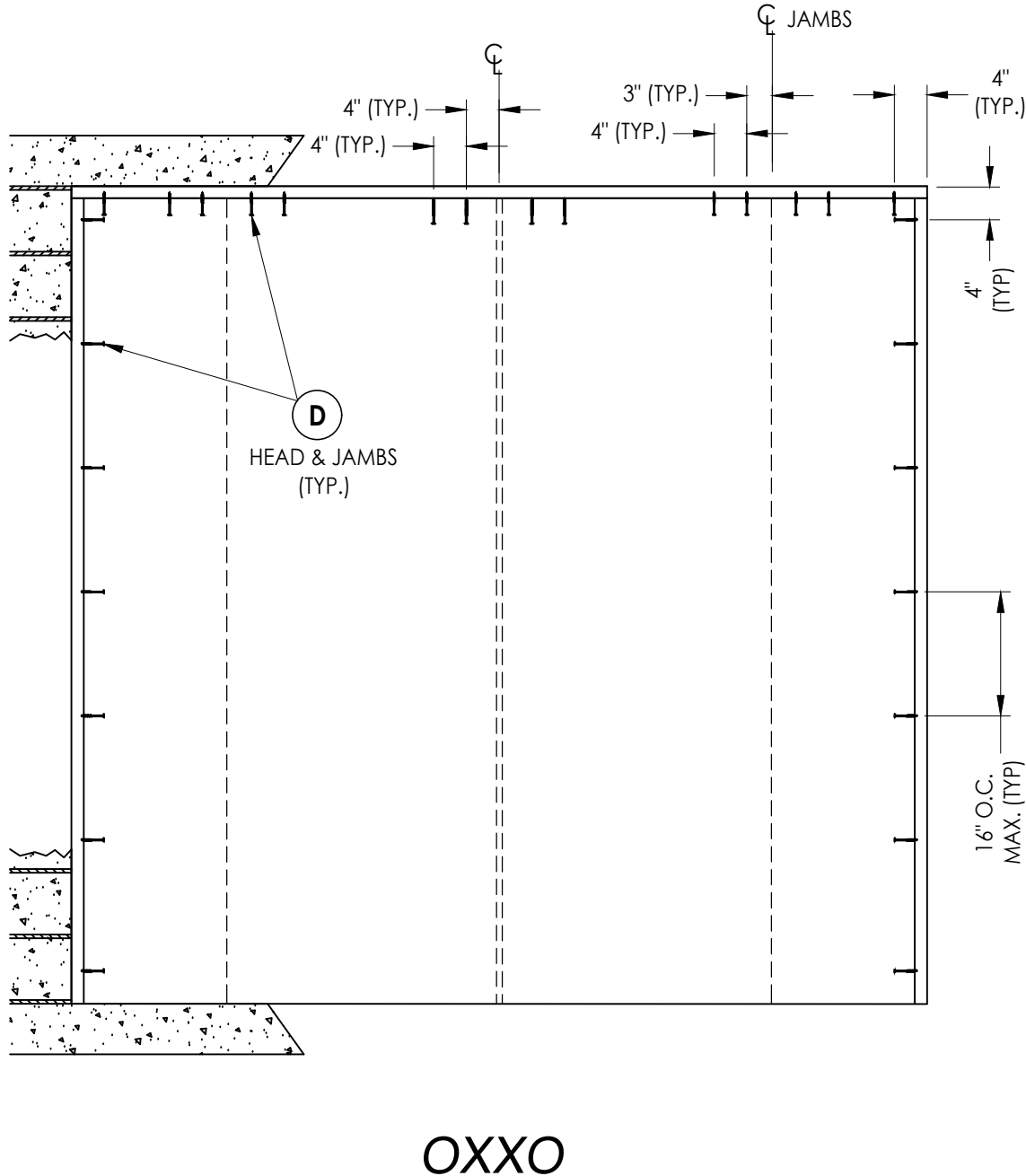
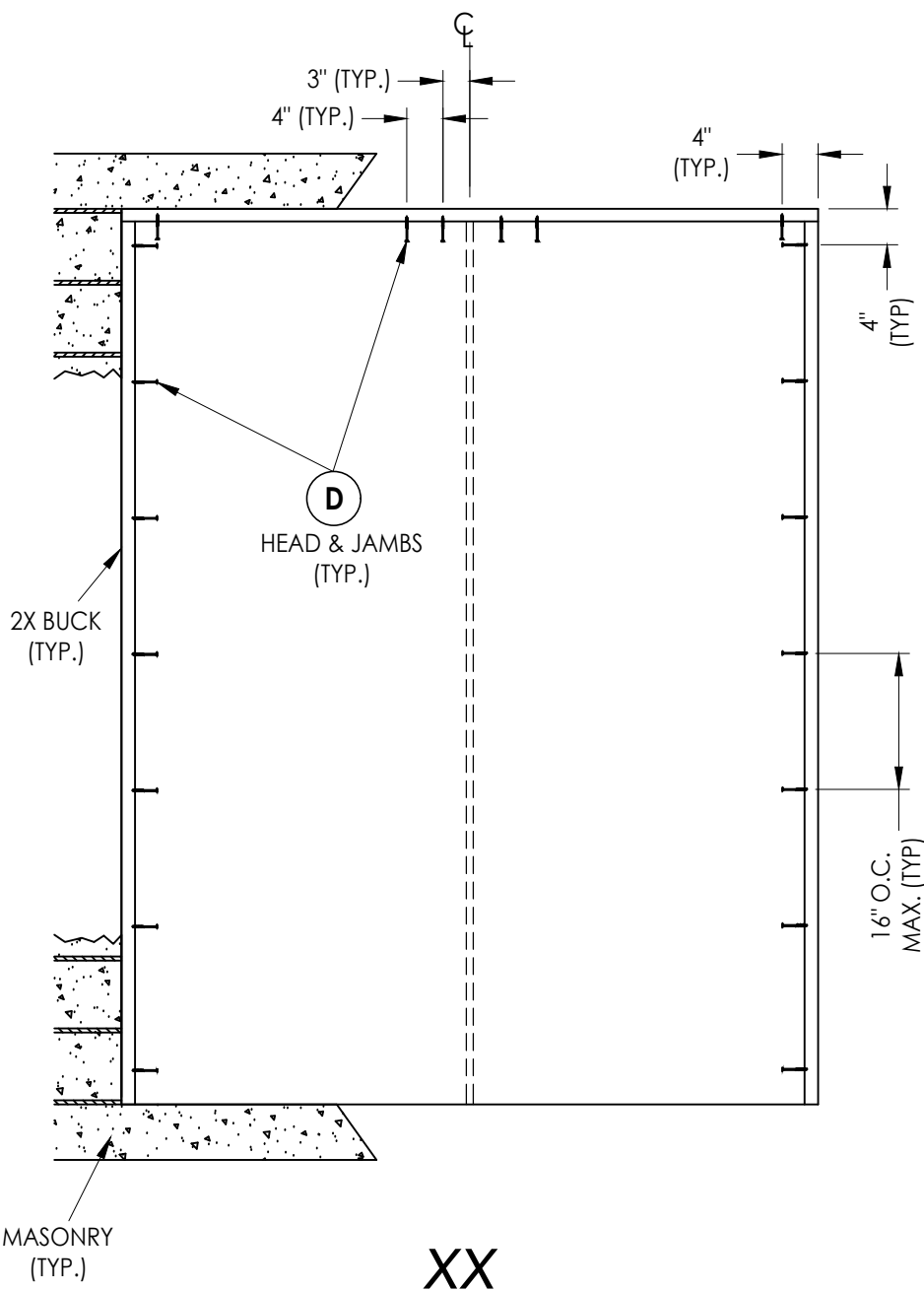


2 **VERTICAL CROSS SECTION**
9 Inswing sill



4 **VERTICAL CROSS SECTION**
9 Inswing 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: GLASSCRAFT DOOR CO.				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			



2X BUCK ANCHORING

DATE: 8/25/21		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		GLASSCRAFT DOOR CO.		Lyndon F. Schmidt	
DWG. BY: RW				P.E. No. 43409	
CHK. BY: LFS					
DRAWING NO.: FL-39764.4					
SHEET 10 OF 13					
		PART OR ASSEMBLY:		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
		BUCK ANCHORING			

Diagram illustrating the components and dimensions of a window frame:

- HEAD & SILL (TYP.):** Indicated at the top and bottom of the frame.
- Dimensions:**
 - 4" (TYP.)
 - 6" (TYP.)
 - 6" (TYP.)
 - 14.5" O.C. MAX. (TYP.)
- Components:**
 - L:** 2X BUCK
 - F:** 1X BUCK
 - D:** DIRECT TO MASONRY
 - HEAD & JAMBS (TYP.):** Indicated on the side of the frame.
 - SILL (TYP.):** Indicated at the bottom of the frame.
- Details:**
 - SEE DETAIL 1:** Points to the top center of the frame.
 - SEE DETAIL 2:** Points to the bottom center of the frame.
- Other Labels:**
 - XX** (Large text at the bottom center)
 - OPTIONAL 1-1/2" PVC** (Text at the bottom right)

Technical drawing of a window frame assembly showing cross-sections and details.

Labels and dimensions:

- 4" (TYP.)
- 4" (TYP.)
- 4"
- SEE DETAIL 1
- L 2X BUCK
- F 1X BUCK
- D DIRECT TO MASONRY
- HEAD & JAMBS (TYP.)
- BAC
- D SILL (TYP.)
- SEE DETAIL 1
- OXXO

The image contains three technical drawings of door hardware details:

- DETAIL 1:** A cross-section of the door jamb assembly. It shows two jambs with a gap between them. Dimensions include 3" (TYP.) for the jamb thickness, 4" (TYP.) for the gap, and 6" (TYP.) for the jamb depth. A circle labeled 'F' points to the 'BACK-TO-BACK JAMBS (TYP.)'.
- DETAIL 2:** A side view of the door jamb assembly. It shows the vertical alignment of the jambs. Dimensions include 14.5" O.C. MAX. (TYP.) for the spacing between the jambs, 25.25" O.C. (TYP.) for the spacing between the hinges, and 29" O.C. (TYP.) for the spacing between the hinges. A circle labeled 'F' points to the 'BACK-TO-BACK JAMBS (TYP.)'.
- DETAIL 3:** A side view of the door jamb assembly. It shows the vertical alignment of the jambs. Dimensions include 14.5" O.C. MAX. (TYP.) for the spacing between the jambs, 25.25" O.C. (TYP.) for the spacing between the hinges, and 29" O.C. (TYP.) for the spacing between the hinges. A circle labeled 'F' points to the 'BACK-TO-BACK JAMBS (TYP.)'.

Labels at the bottom of the drawings include:

- HINGE JAMB** (for 8'-0" DOOR)
- HINGE JAMB** (for 6'-8" DOOR)
- ASTRAGAL**

DETAIL 1

DETAIL 2
INSWING

HINGE DETAIL
OUTSWING

STRIKE PLATE DETAIL

[illegible]

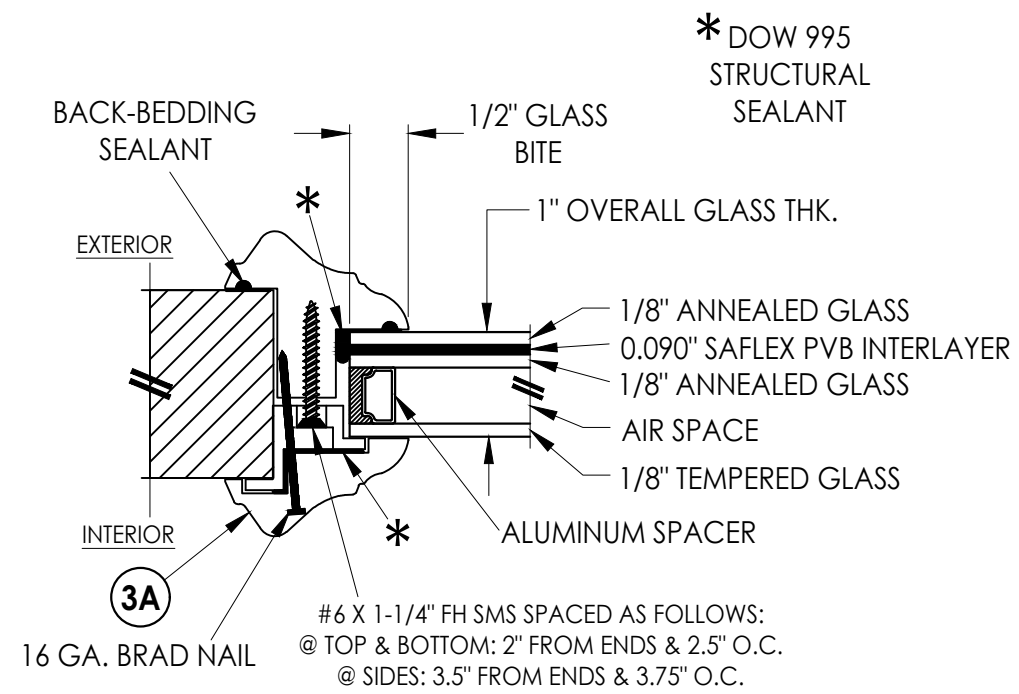
DATE:	8/25/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-39764.4
SHEET	11 OF 13

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

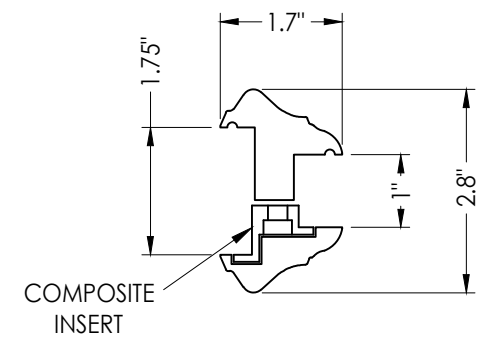
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SIDELITE LITE FRAME



G1 GLAZING DETAIL



3A GLASSCRAFT LITE FRAME
EXTRUDED PVC

[illegible]

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

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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 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 ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WS (1.15" MIN. EMBEDMENT)	STEEL
1	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR/SIDELITE BOTTOM SWEEP	PVC
11	INSWING THRESHOLD	ALUM/ COMP
12	INSWING SIDELITE ADAPTER	VINYL
13	OUTSWING THRESHOLD	ALUM/ COMP
16	LATCH STRIKE PLATE	STEEL
17	DEADBOLT STRIKE PLATE	STEEL
24	#9 X 1" PFH WS	STEEL
26	#10 X 2" PFH WS	STEEL
27	#8 X 2-1/2" PFH WOOD SCREW	STEEL
29	4" X 4" HINGE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL

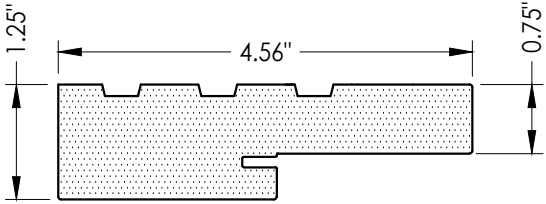
CONCRETE ANCHOR NOTES:

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:

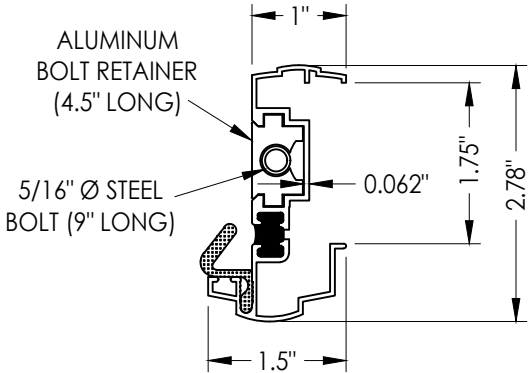
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®+	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

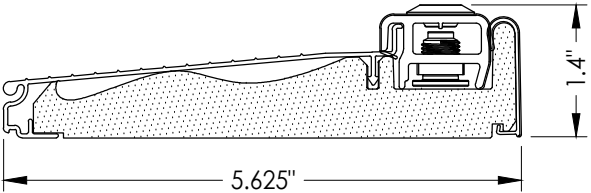
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



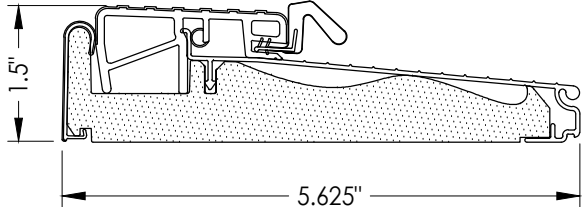
1 COMPOSITE JAMB
WORLDWIDE (4EVER)



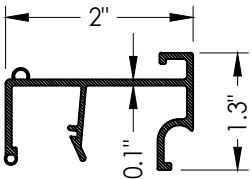
53 **ASTRAGAL**
Quantex



11 INSWING THRESHOLD



13 OUTSWING THRESHOLD



12 INSWING SIDELITE ADAPTER

[illegible]