

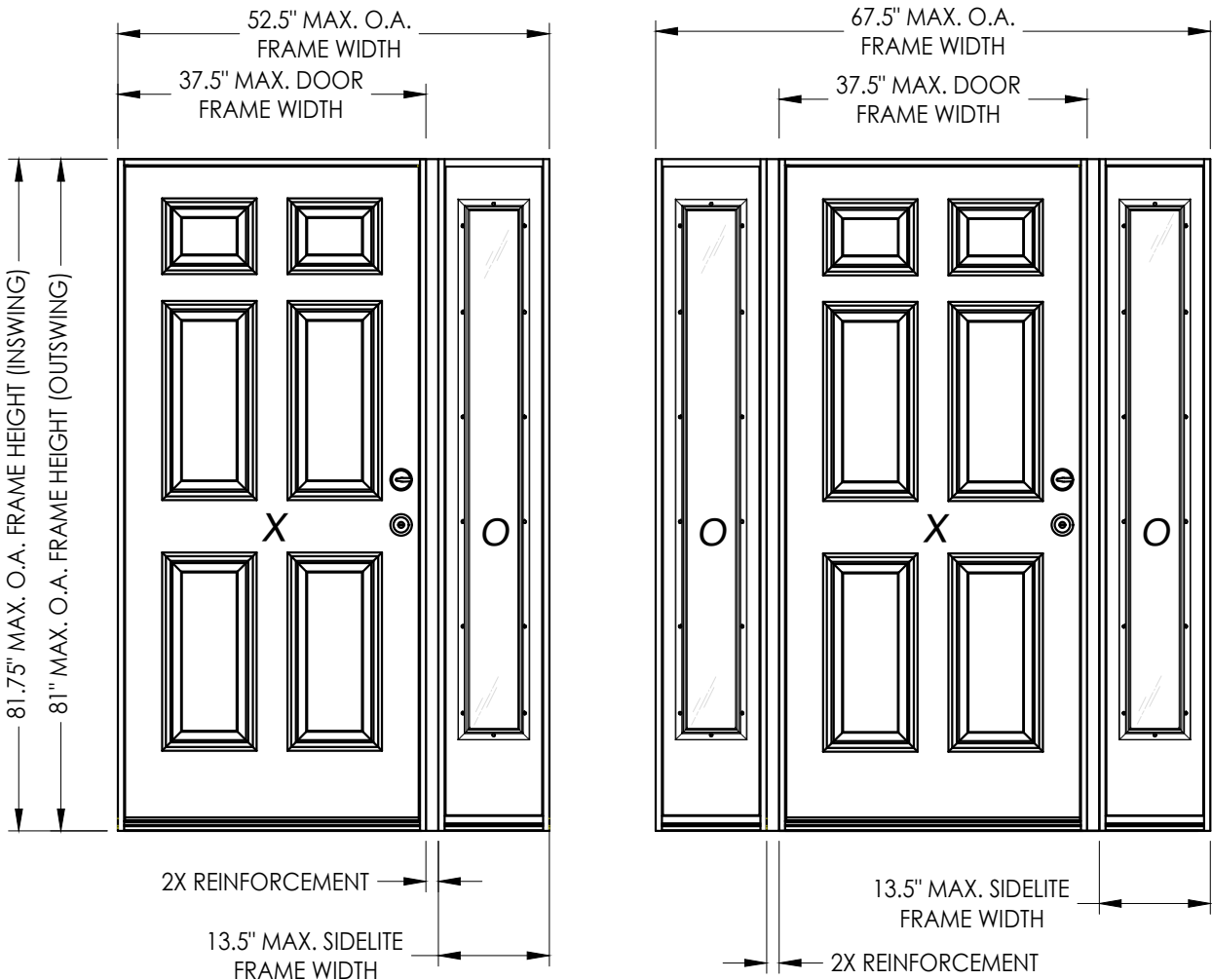


STARLINK
OPAQUE FIBERGLASS ENTRY DOORS
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

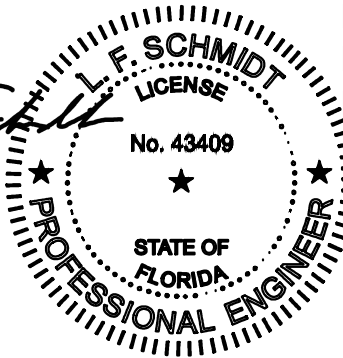
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, the sidelites are required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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	Sidelite Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Vertical Cross Sections (Thresholds)
9	Buck Anchoring
10	Frame Anchoring
11	Bill of Materials & Components



CONFIGURATION	MAX. FRAME DIMENSION	REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO/OX	52.5" x 81.75"	2X	+45.0	-55.0	+45.0	-45.0
OXO	67.5" x 81.75"	2X	+45.0	-55.0	+45.0	-45.0

Digitally signed by
Lyndon F Schmidt
Date: 2024.11.13
10:49:29 -05'00'



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

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P.E. No. 43409

STARLINK
FIBERGLASS DOORS

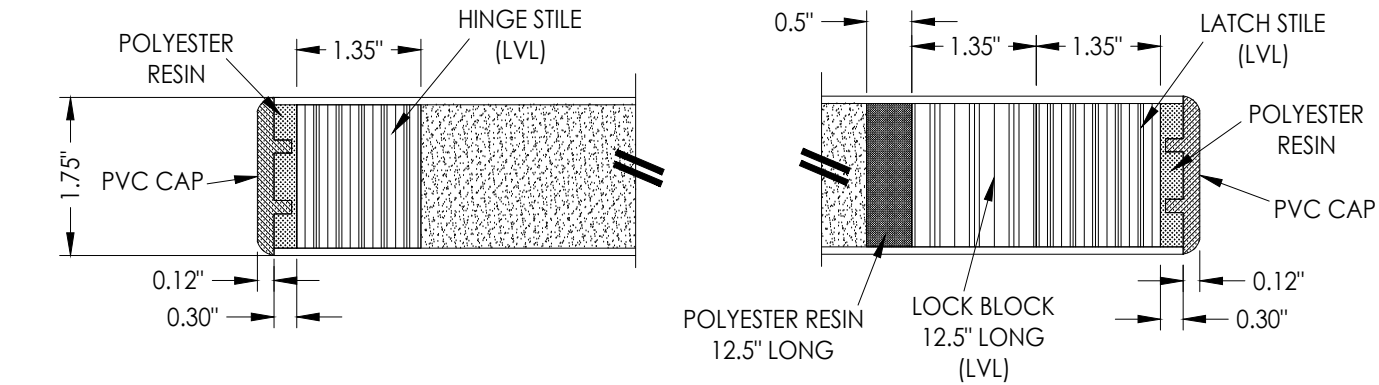
DATE: 11/19/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-35309.2
SHEET 1 OF 11

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

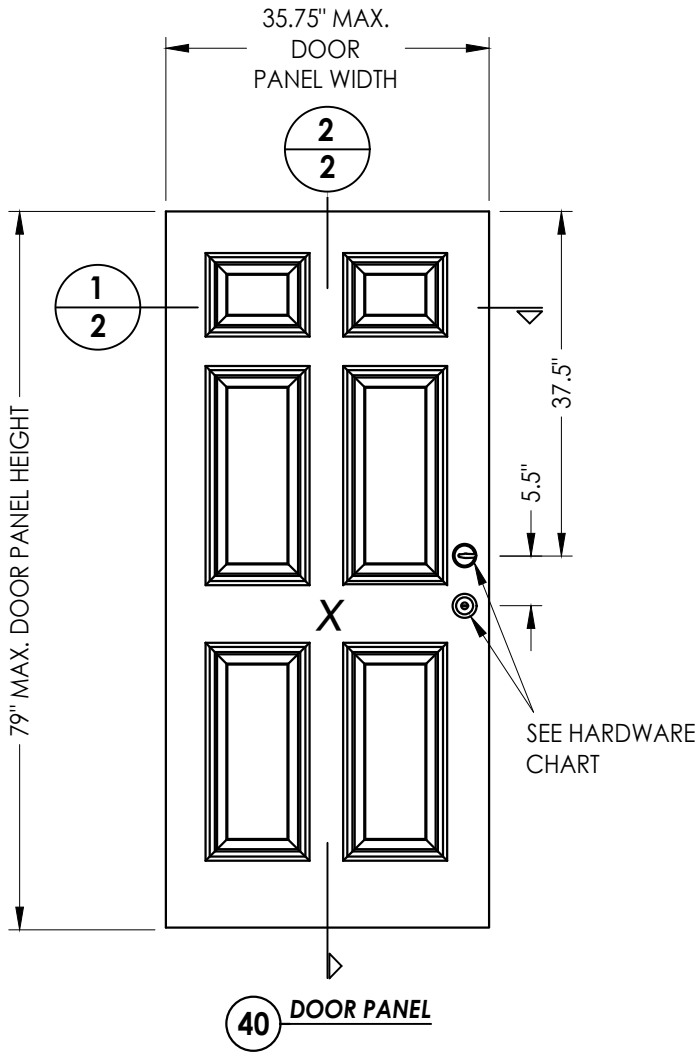
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

1 8/08/23 UPDATE TO 8TH ED. (2023) FBC
NO. DATE REVISIONS

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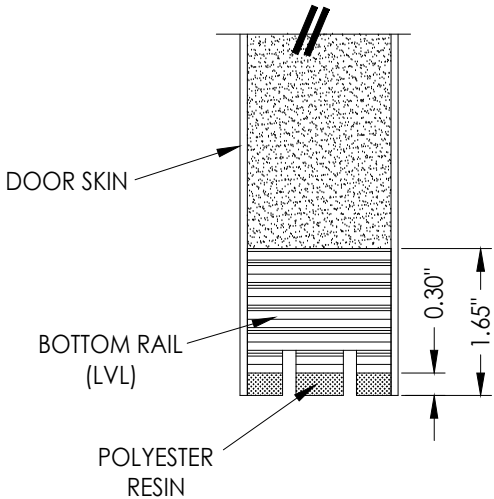
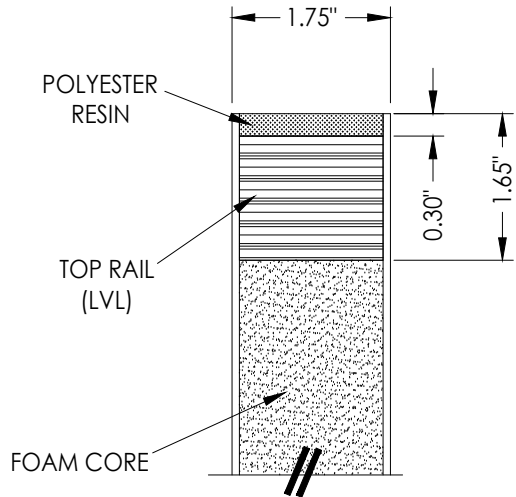


1
2 HORIZONTAL CROSS SECTION



HARDWARE TABLE		
MANUFACTURER	MODEL	
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (980)
Schlage	Knob:	F Series (F51)
	Deadbolt:	B Series (B60N)

FIBERGLASS DOOR SKIN: MIN. 0.080" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



2
2 VERTICAL CROSS SECTION

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PRODUCT:
STARLINK
FIBERGLASS DOORS

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
1	8/08/23	UPDATE TO 8TH ED. (2023) FBC
LFS	BY	

DATE: 11/19/20

SCALE: N.T.S.

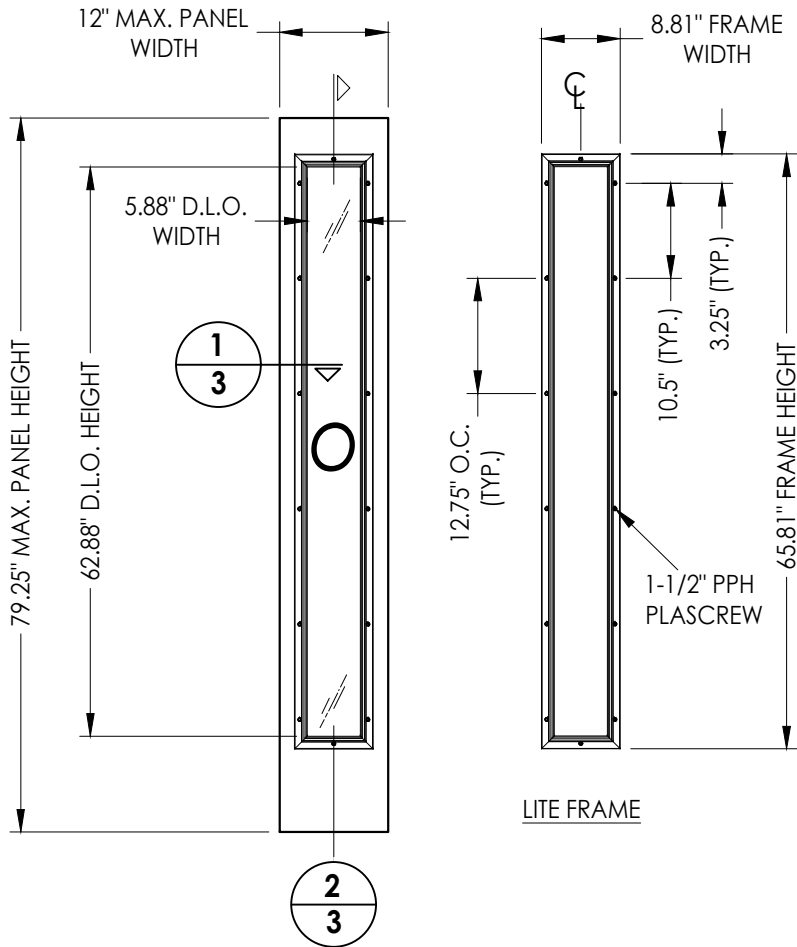
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CHK. BY: LFS

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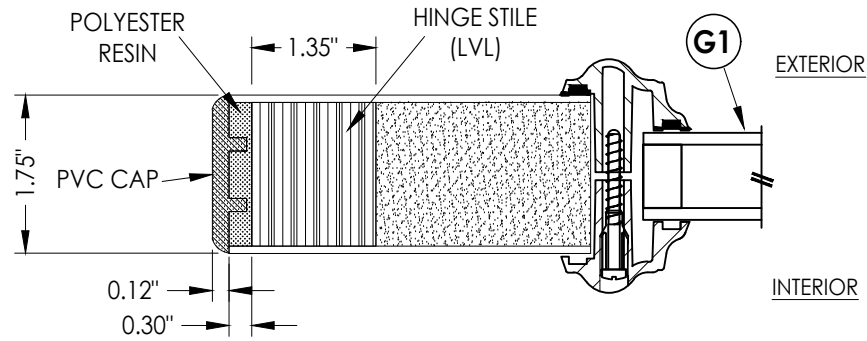
SHEET 2 OF 11

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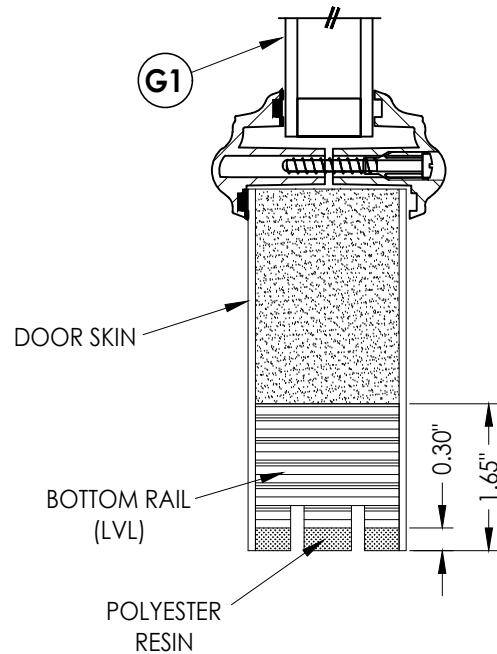
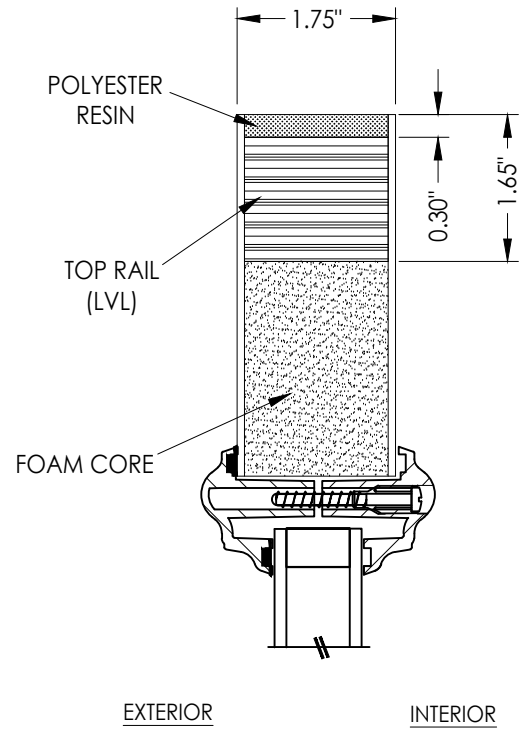
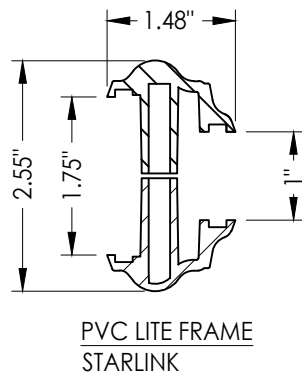
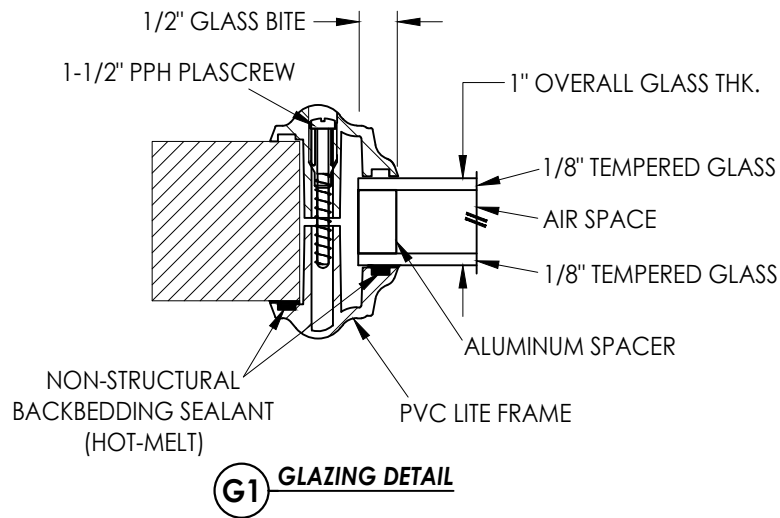


40 SIDELITE PANEL

FIBERGLASS SIDELITE SKIN: MIN. 0.070" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



1 3 HORIZONTAL CROSS SECTION



2 3 VERTICAL CROSS SECTION

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DRAWING NO.:

FL-35309.2

SHEET 3 OF 11

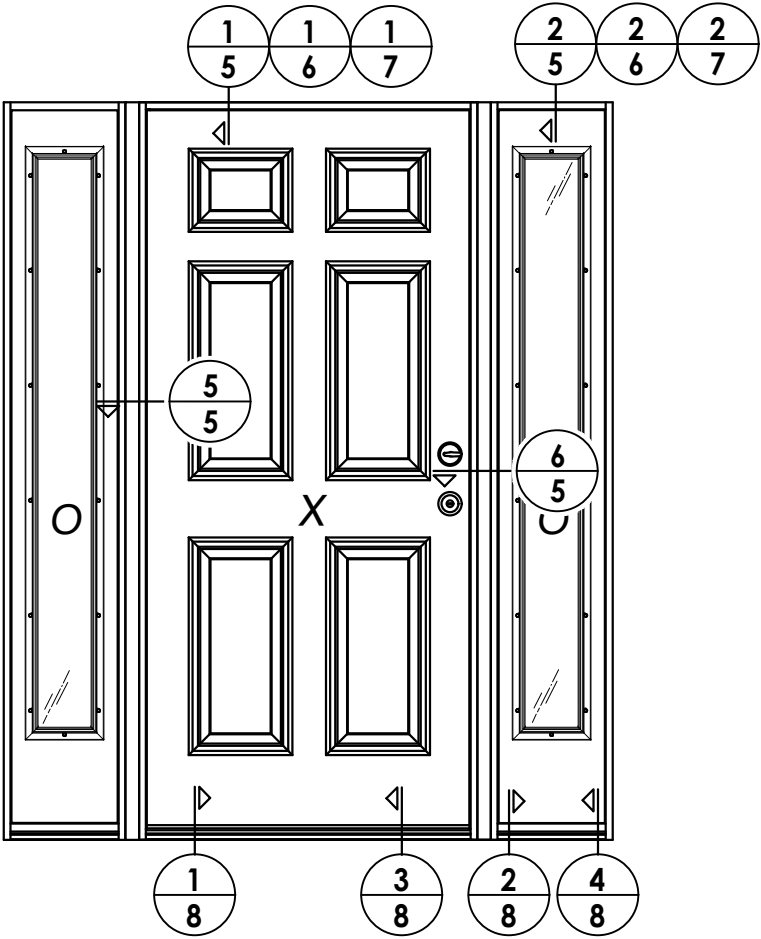
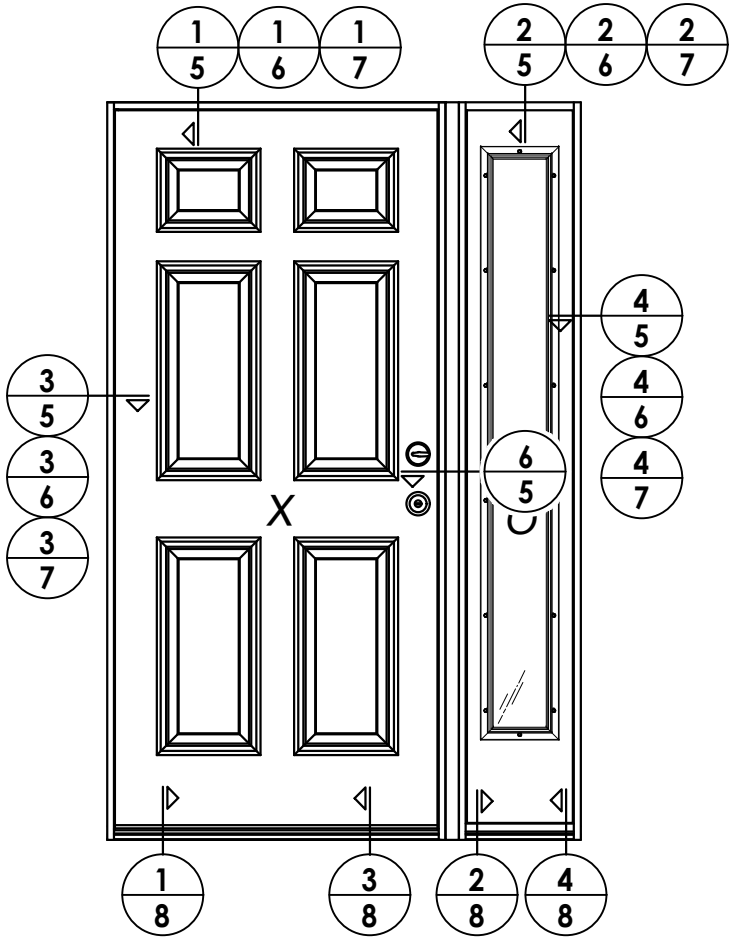
Documents Prepared By:
Lyndon F. Schmidt
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PRODUCT:
STARLINK
FIBERGLASS DOORS

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

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SHEET 4 OF 11

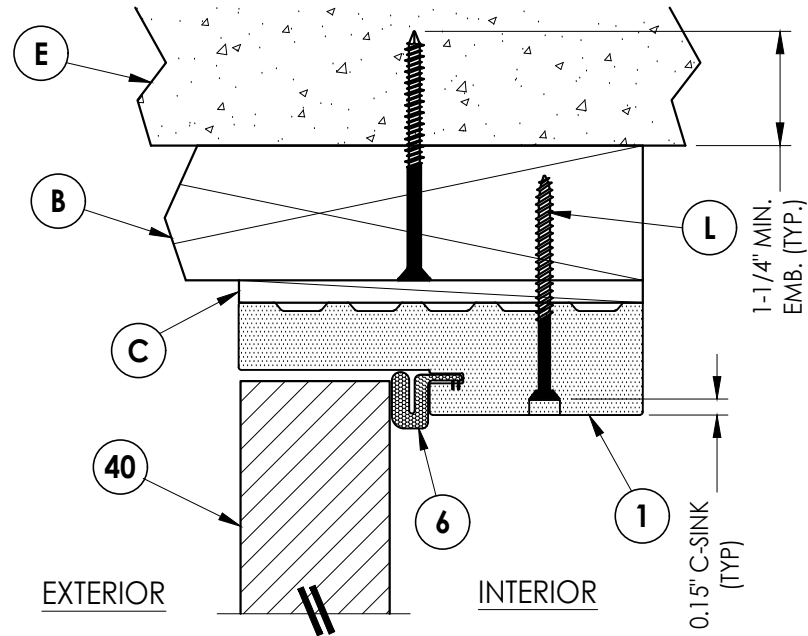
NO.	DATE	REVISIONS
1	8/08/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

PRODUCT:	STARLINK FIBERGLASS DOORS
PART OR ASSEMBLY:	ELEVATIONS

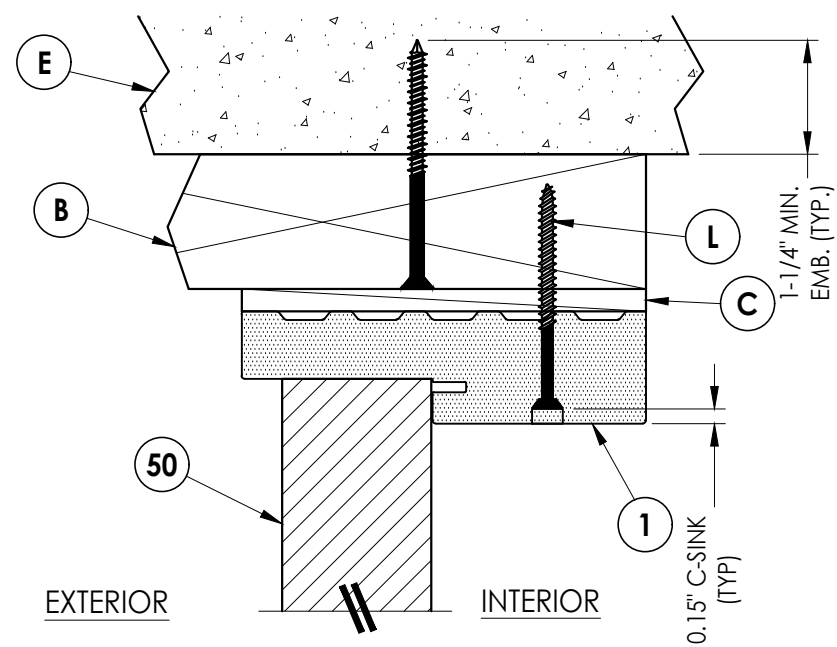
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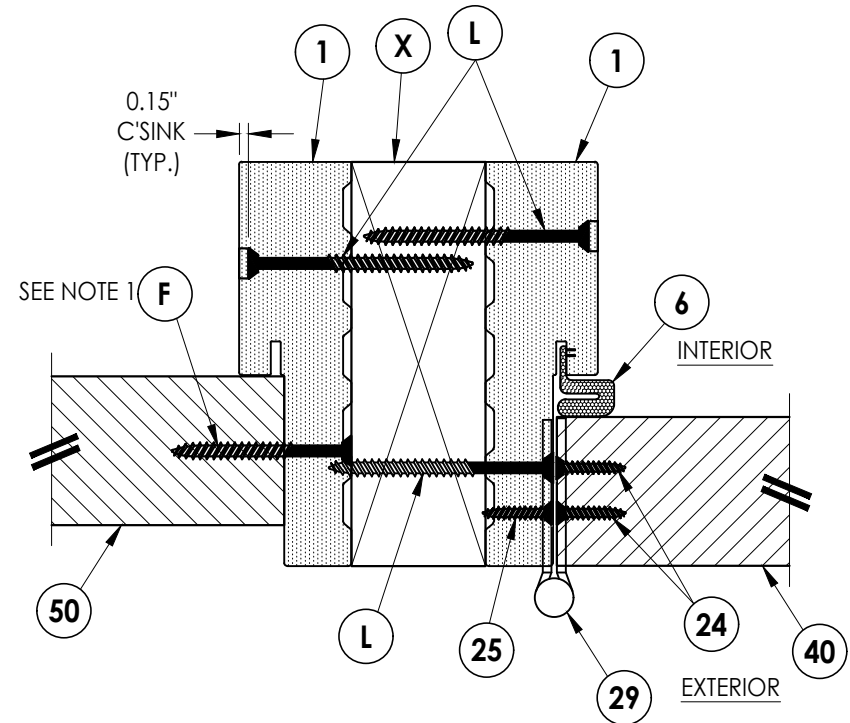
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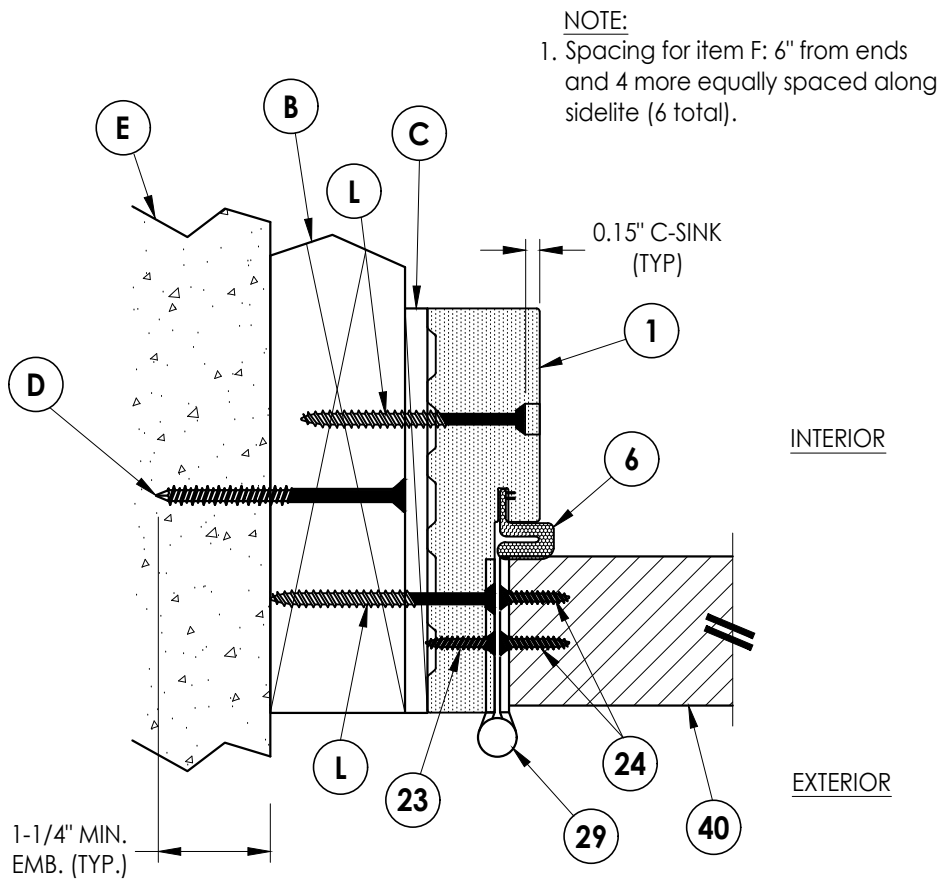
1
5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



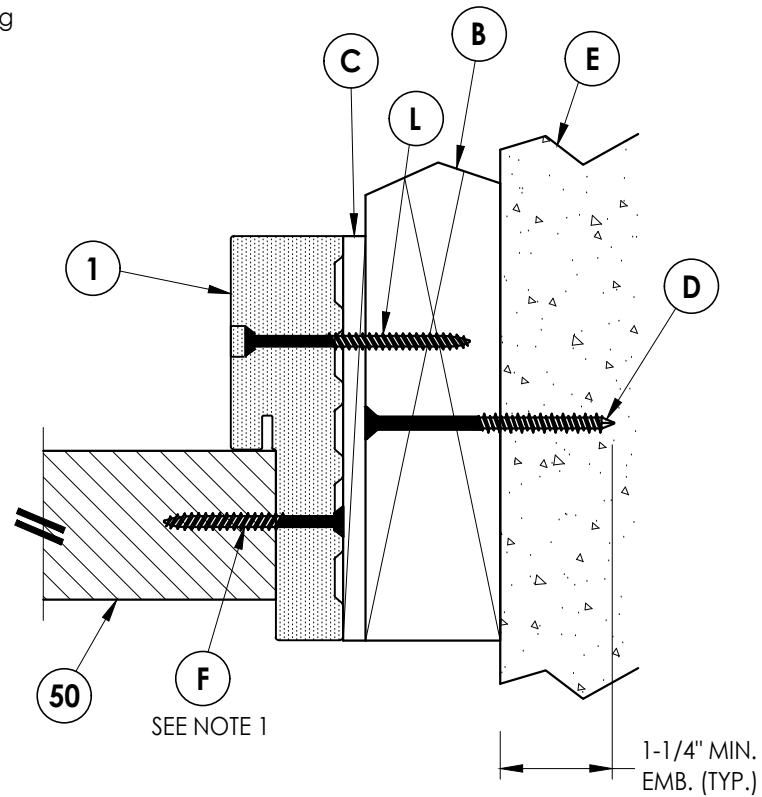
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5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



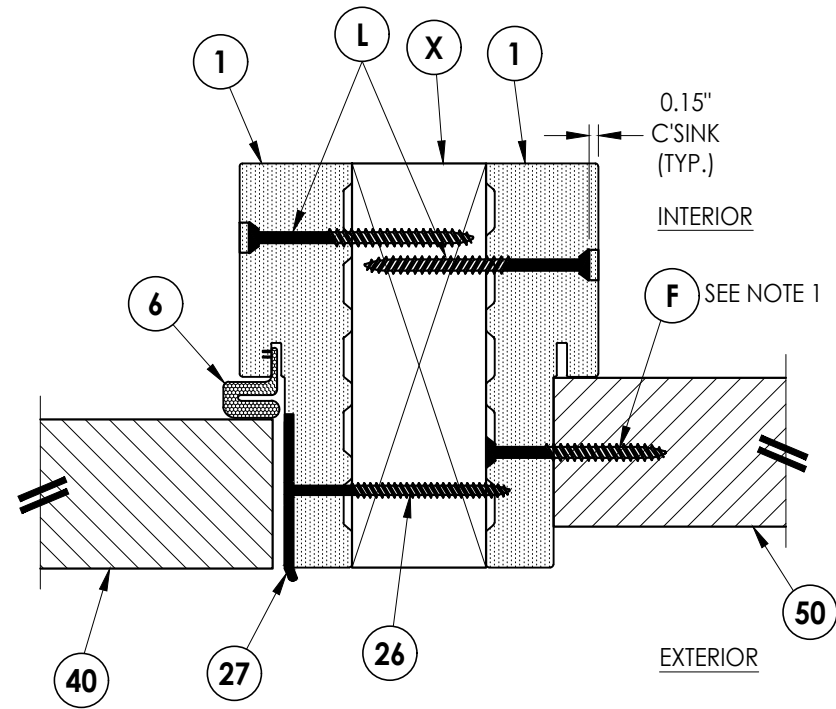
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5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



3
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



4
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



6
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

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

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FBPE Registry No. 9813

PRODUCT:
STARLINK
FIBERGLASS DOORS

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

NO.	DATE	BY	LFS	FBC	UPDATE TO 8TH ED. (2023)
1	8/08/23				

DATE: 11/19/20

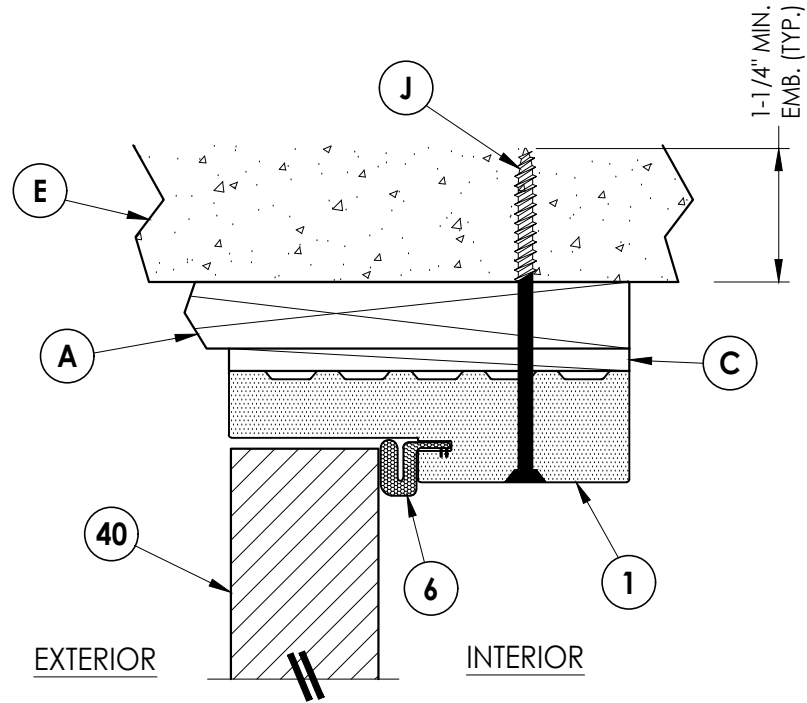
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DWG. BY: RW

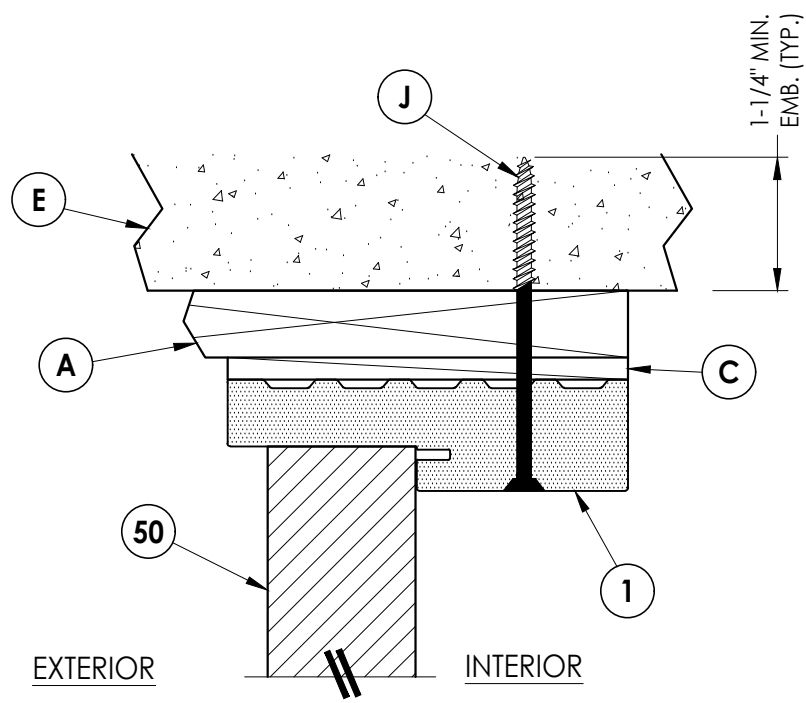
CHK. BY: LFS

DRAWING NO.: FL-35309.2

SHEET 5 OF 11



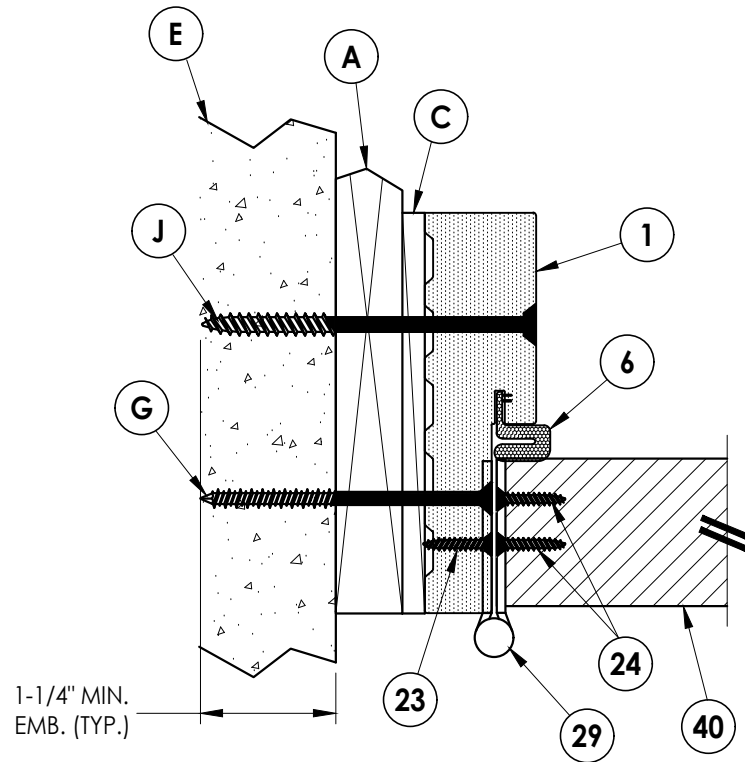
1 **VERTICAL CROSS SECTION**
6 Outswing shown (Inswing similar)



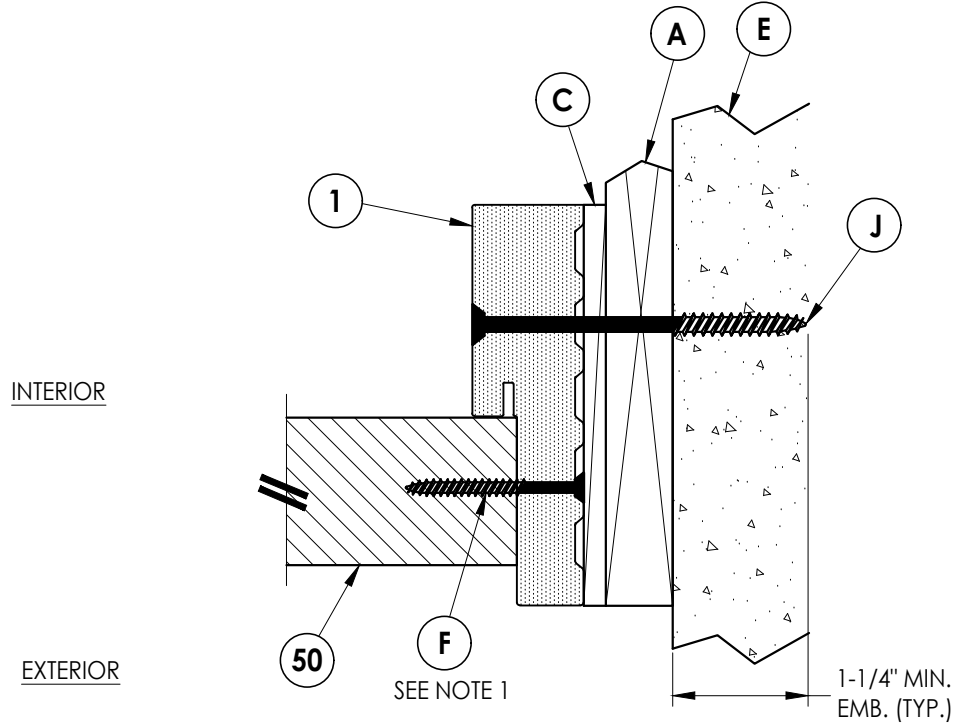
2 VERTICAL CROSS SECTION
6 Outswing shown (Inswing similar)

NOTE:

1. Spacing for item F: 6" from ends and 4 more equally spaced along sidelite (6 total).

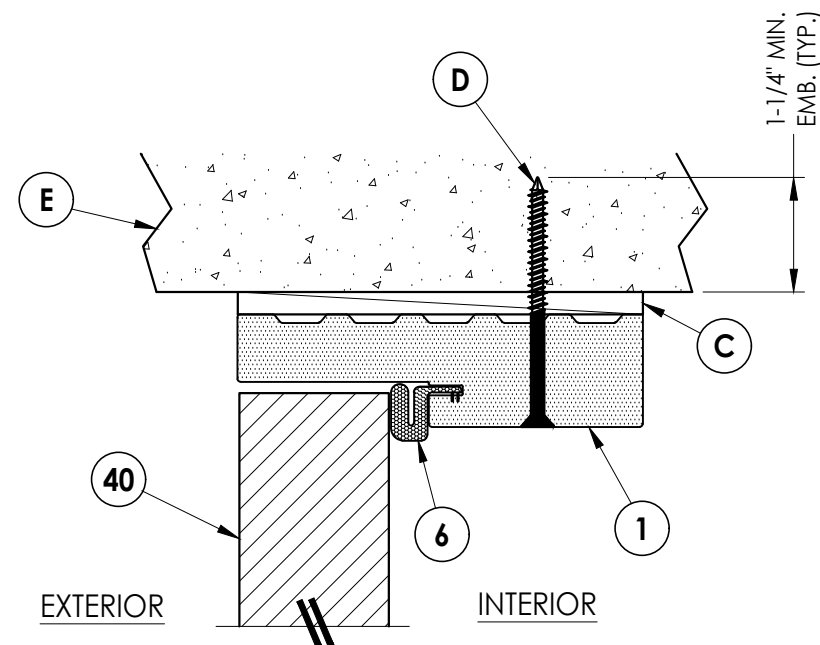


3 **HORIZONTAL CROSS SECTION**
6 Outswing shown (Inswing similar)

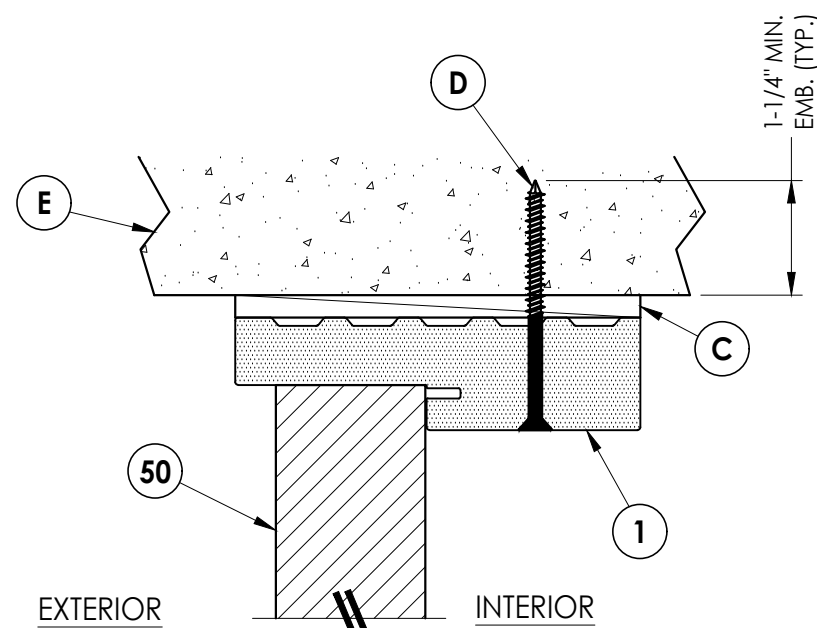


4 **HORIZONTAL CROSS SECTION**
6 Outswing shown (Inswing similar)

DATE: 11/19/20 SCALE: N.T.S. DWG. BY: RW CHK. BY: LFS DRAWING NO.: FL-35309.2 SHEET 6 OF 11										PRODUCT: STARLINK FIBERGLASS DOORS PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)										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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	



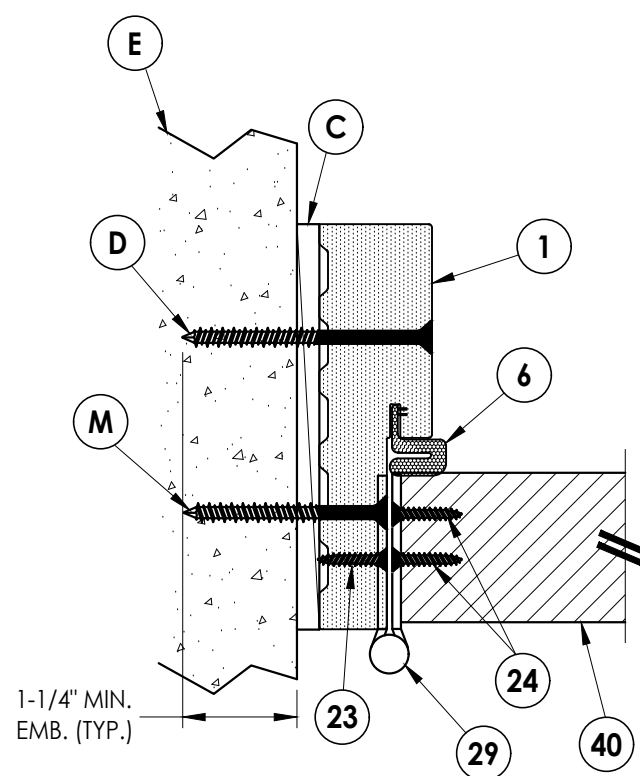
1 **VERTICAL CROSS SECTION**
7 Outswing shown (Inswing similar)



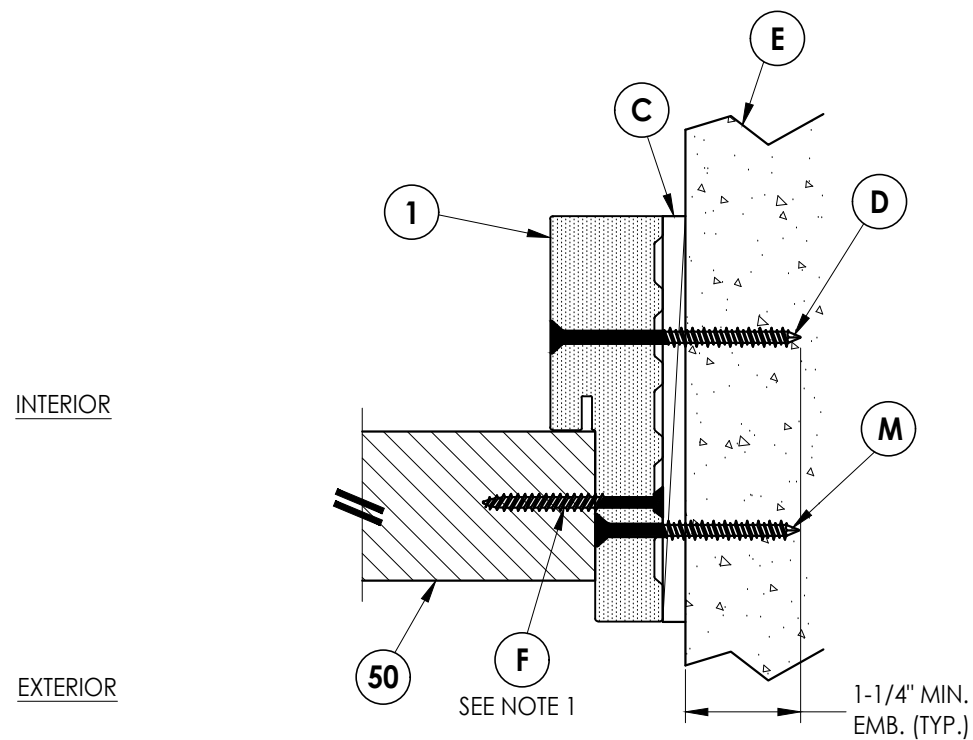
2 **VERTICAL CROSS SECTION**
7 Outswing shown (Inswing similar)

NOTE:

1. Spacing for item F: 6" from ends and 4 more equally spaced along sidelite (6 total).

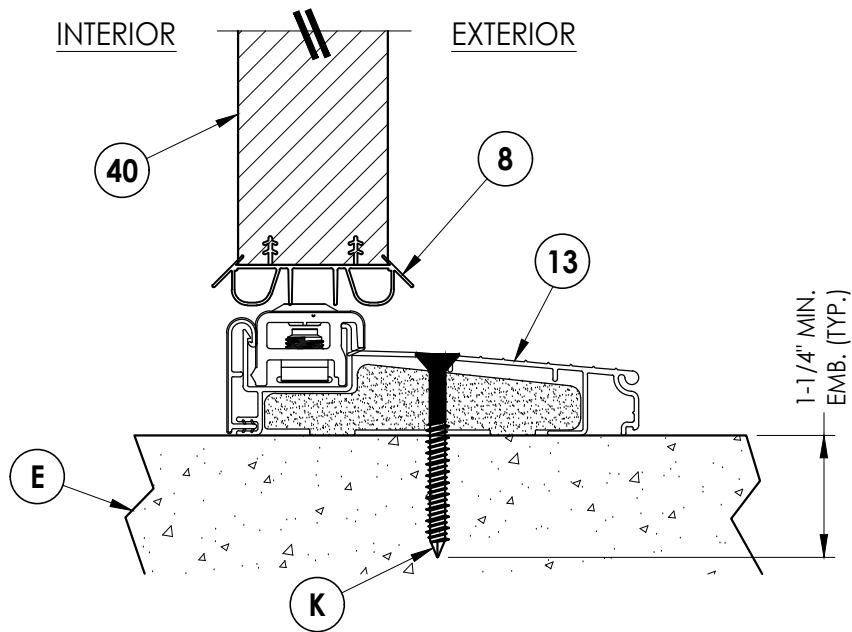


3 **HORIZONTAL CROSS SECTION**
7 Outswing shown (Inswing similar)

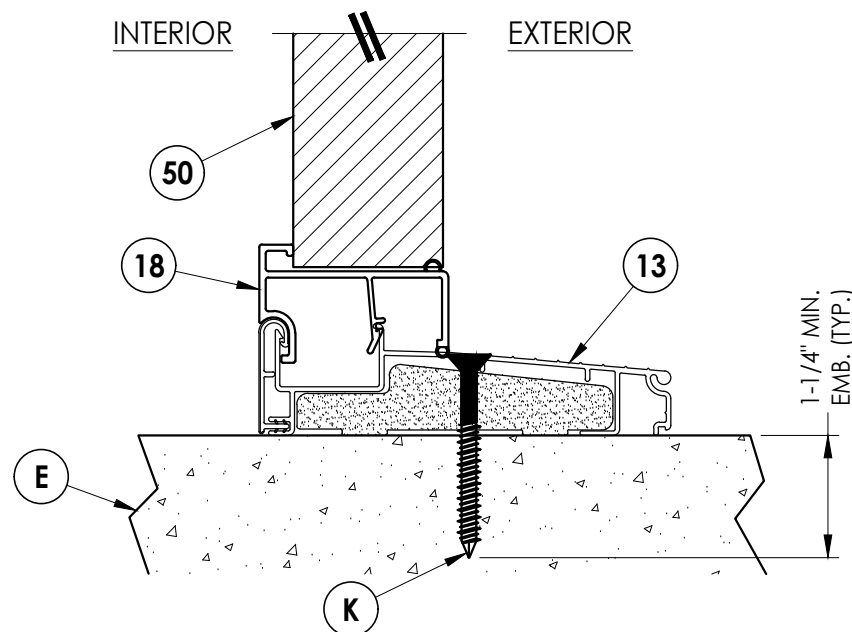


4 **HORIZONTAL CROSS SECTION**
7 Outswing shown (Inswing similar)

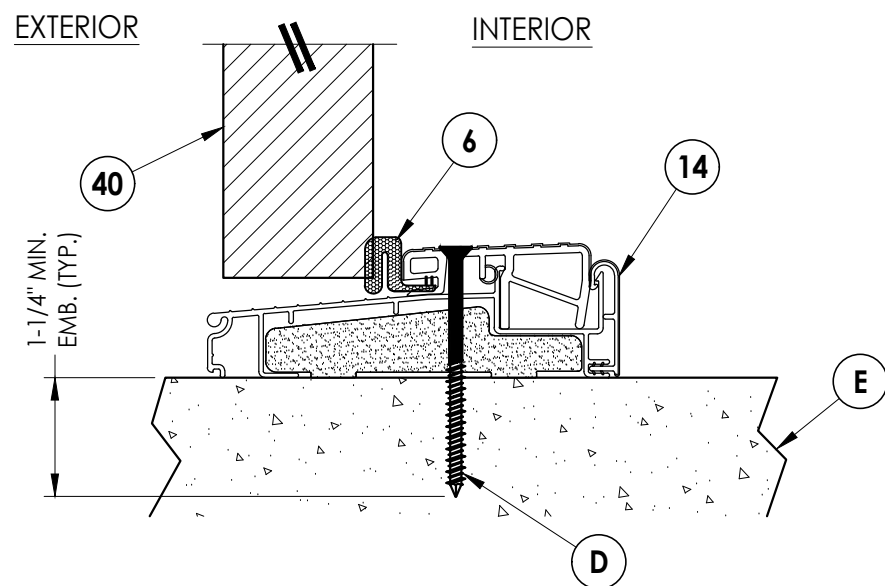
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
STARLINK FIBERGLASS DOORS		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
1	8/08/23	UPDATE TO 8TH ED. (2023)	FBC
NO.	DATE		BY
			REVISIONS
DATE: 11/19/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35309.2			
SHEET 7 OF 11			



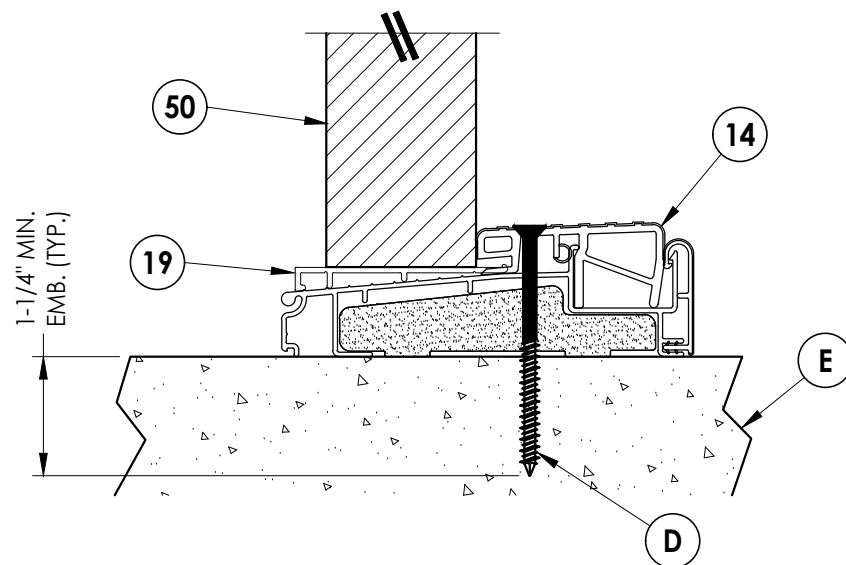
1 **VERTICAL CROSS SECTION**
8 Inswing Threshold



3 **VERTICAL CROSS SECTION**
8 Inswing Threshold

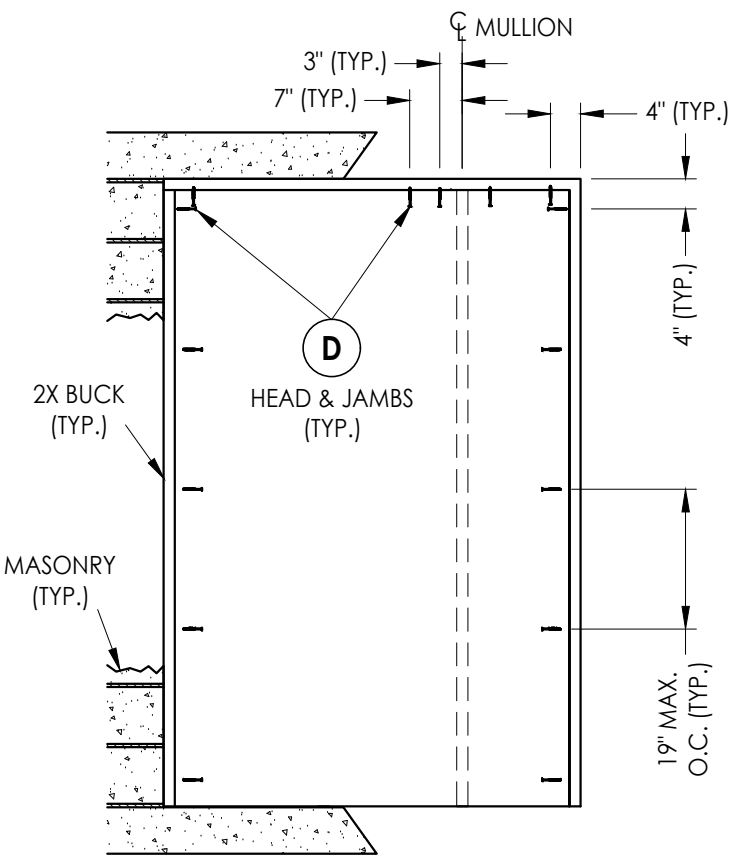


2 **VERTICAL CROSS SECTION**
8 Outswing Threshold

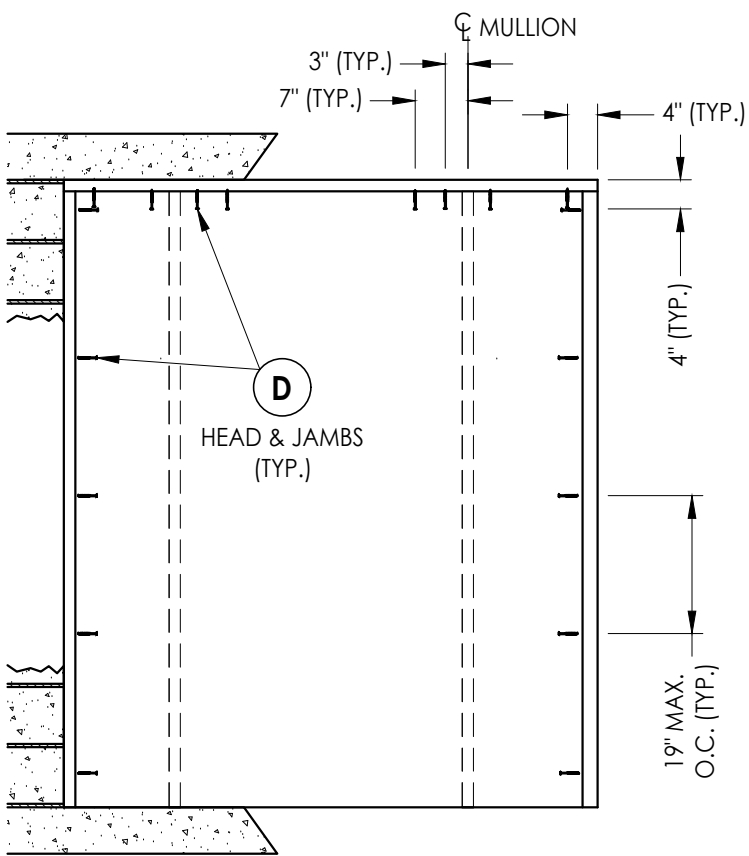


4 8 **VERTICAL CROSS SECTION** Outswing Threshold

[illegible]



XO/OX



OXO

2X BUCK ANCHORING

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 TAPCON®	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.

[illegible]

DATE: 11/19/20

SCALE: N.T.S.

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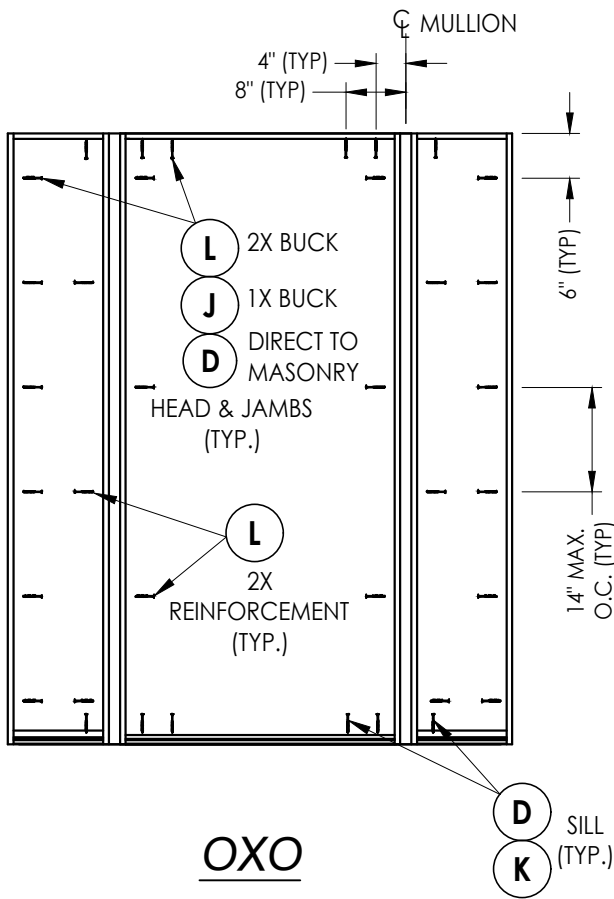
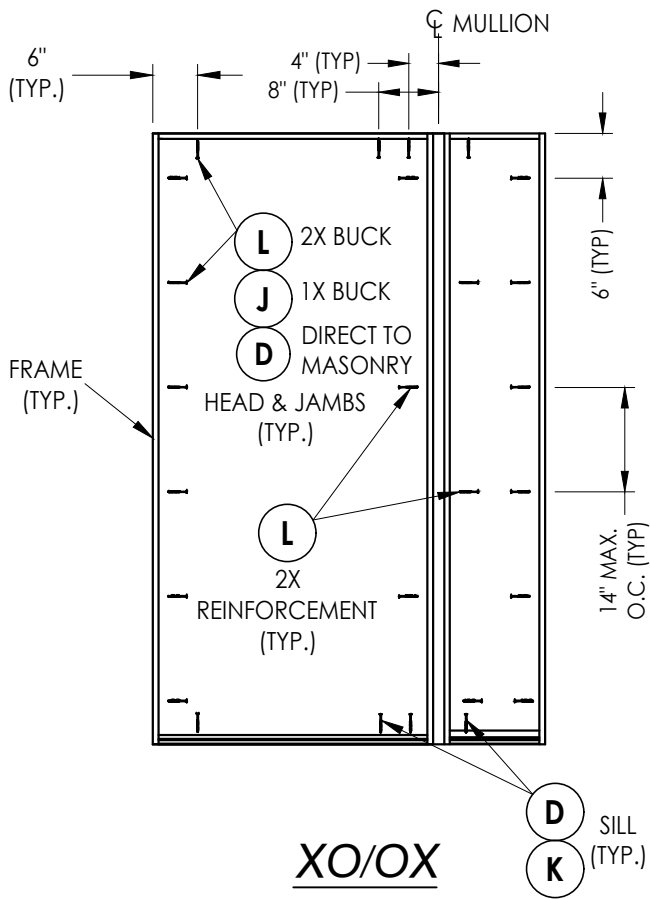
SHEET 9 OF 11

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FRAME ANCHORING

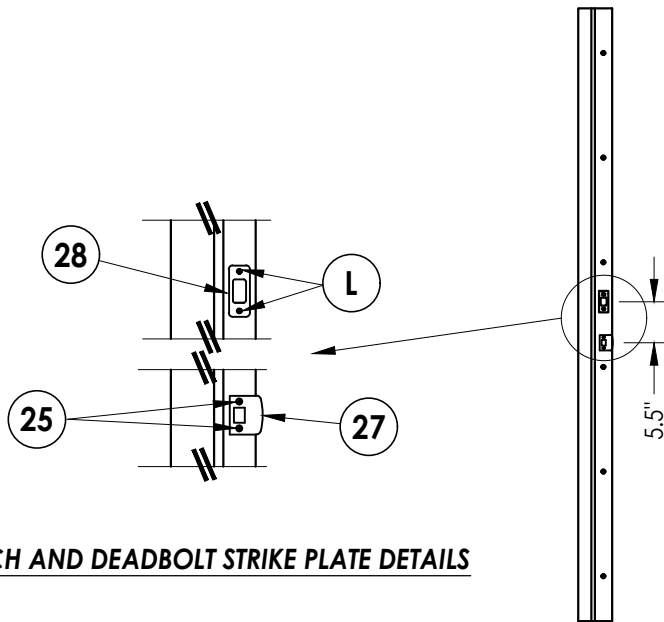
CONCRETE ANCHOR NOTES:

- 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:

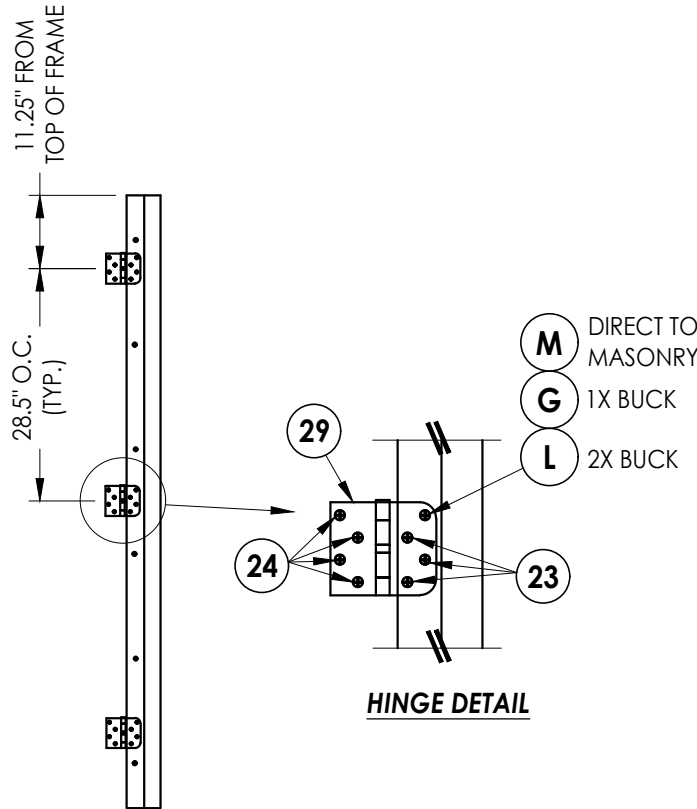
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



LATCH AND DEADBOLT STRIKE PLATE DETAILS



HINGE DETAIL

STRIKE JAMB

HINGE JAMB

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

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FBPE Registry No. 9813

PRODUCT:
STARLINK
FIBERGLASS DOORS

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
1	8/08/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 11/19/20

SCALE: N.T.S.

DWG. BY: RW

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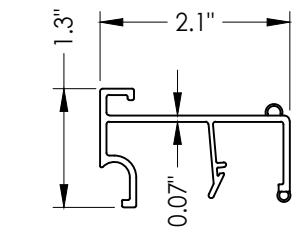
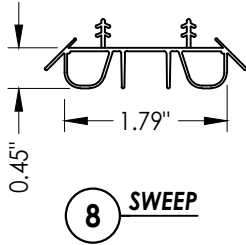
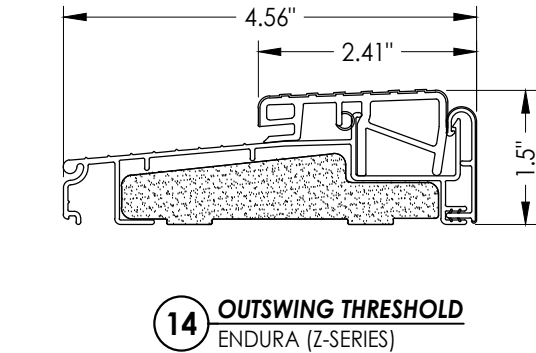
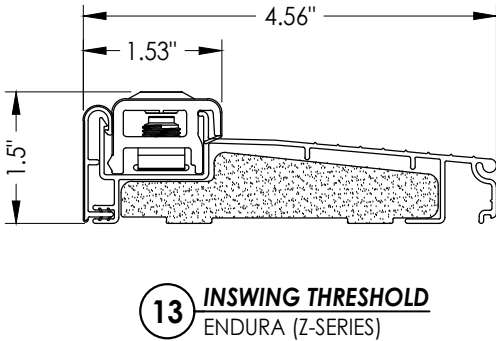
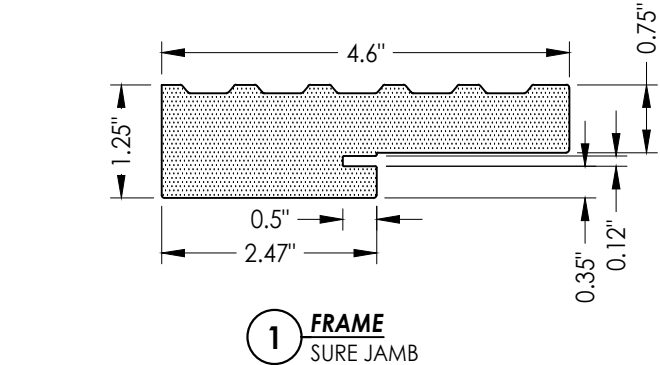
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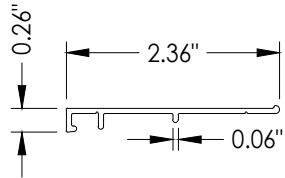
SHEET 10 OF 11

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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
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
X	2X REINFORCEMENT (SG >= 0.55)	WOOD
1	FRAME (SURE JAMB)	COMP
6	WEATHERSTRIP (Q-LON)	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
18	INSWING SIDELITE SPACER	PVC
19	OUTSWING SIDELITE SPACER	PVC
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL
25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
40	DOOR PANEL	-



18 INSWING SIDELITE SPACER



19 OUTSWING SIDELITE SPACER

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: STARLINK FIBERGLASS DOORS		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	