

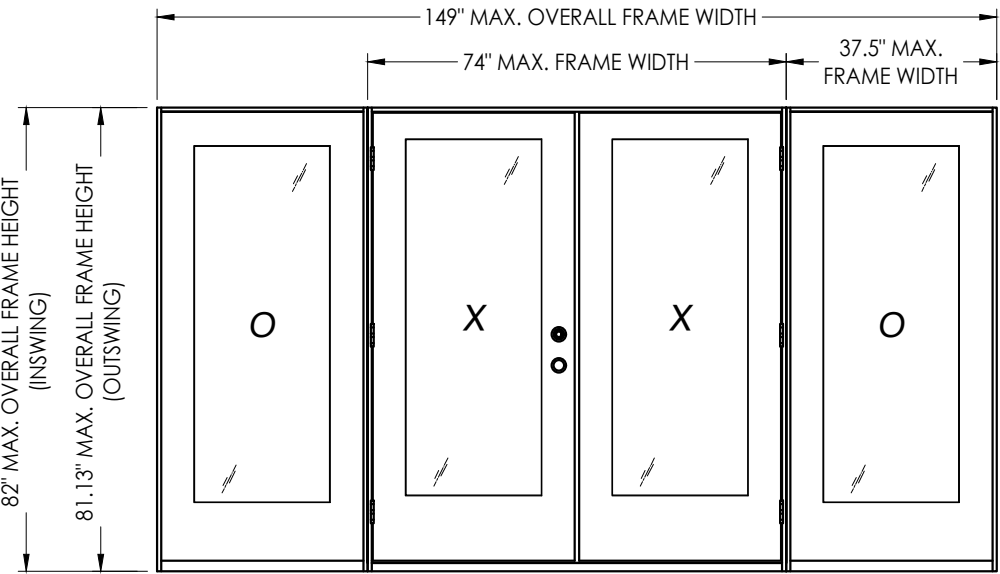


**FLUSH GLAZED FIBERGLASS DOOR
DOUBLE w/ SIDELITE(S)
IN SWING/OUT SWING
"IMPACT"**

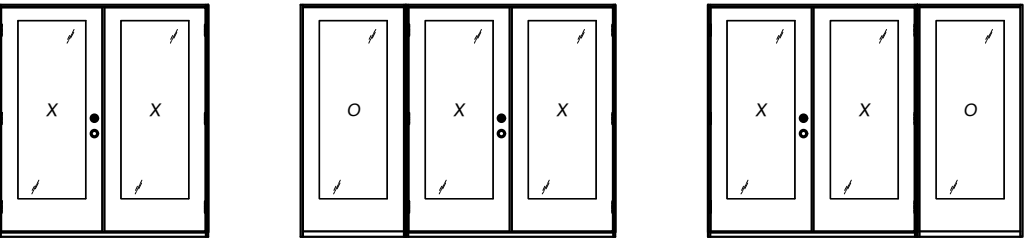
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.

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



OXXO



XX

OXX

XXO

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74" x 82.0"	+50.0	-50.0	+50.0	-50.0
OXX, XXO	111.5" x 82.0"	+50.0	-50.0	+50.0	-50.0
OXXO	149" x 82.0"	+50.0	-50.0	+50.0	-50.0

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

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

ODL
FIBERGLASS DOOR

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

1	12/10/24	ADD ALTERNATE JAMBS, ASTRAGAL,	LFS						
		& THRESHOLDS							
NO.	DATE		BY						
							REVISIONS		

DATE: 7/25/24

SCALE: N.T.S.

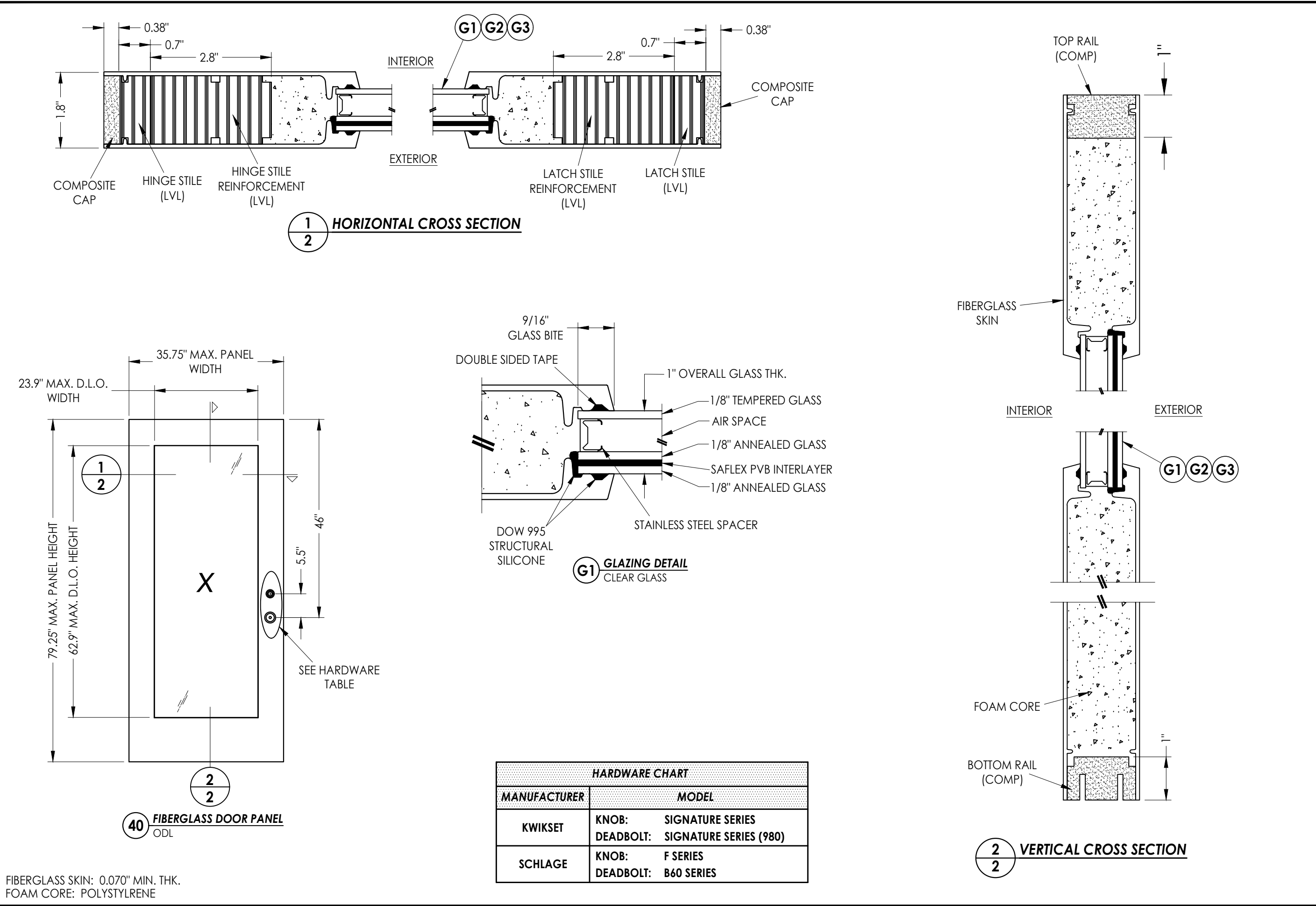
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-46118.9

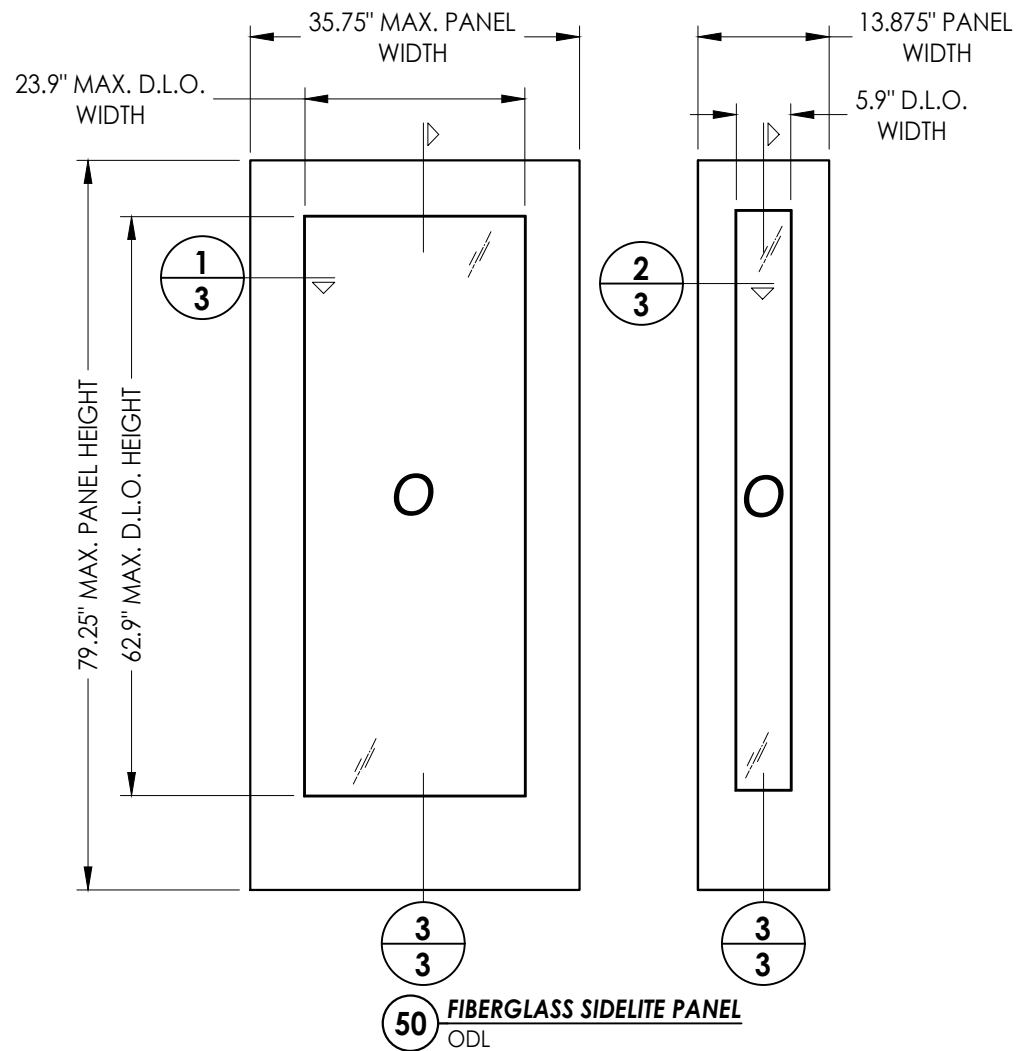
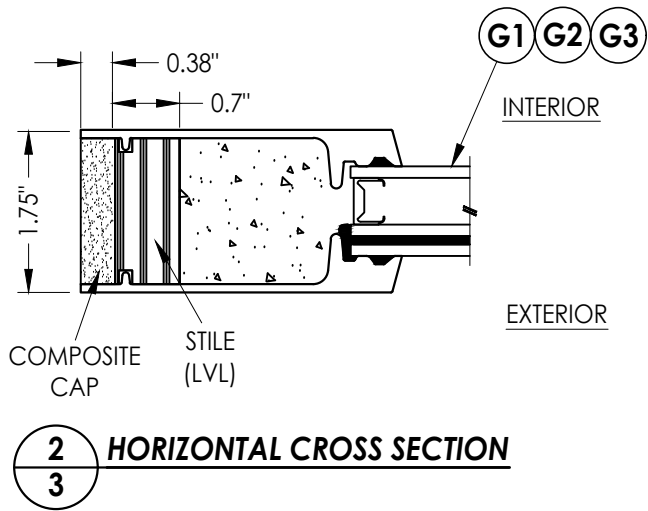
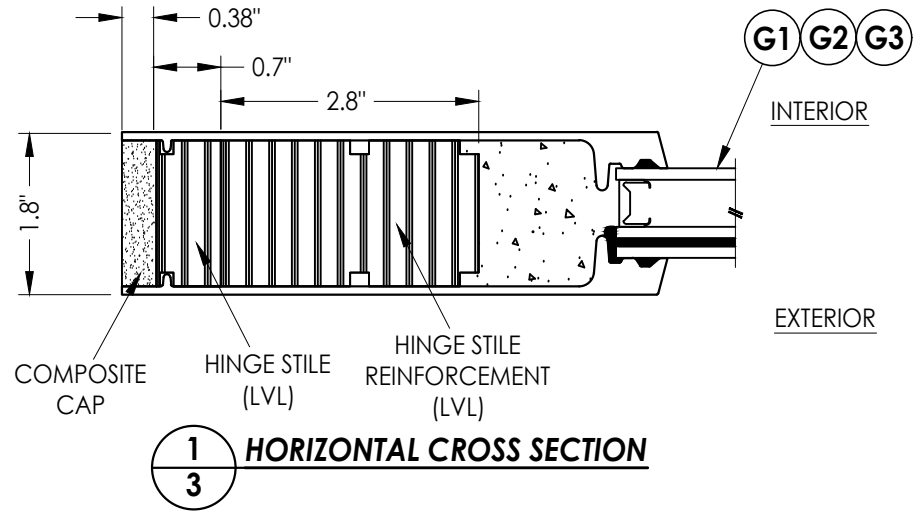
SHEET 1 OF 12

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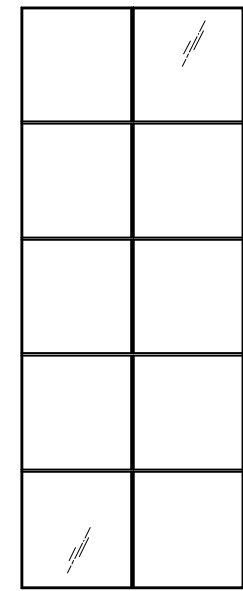
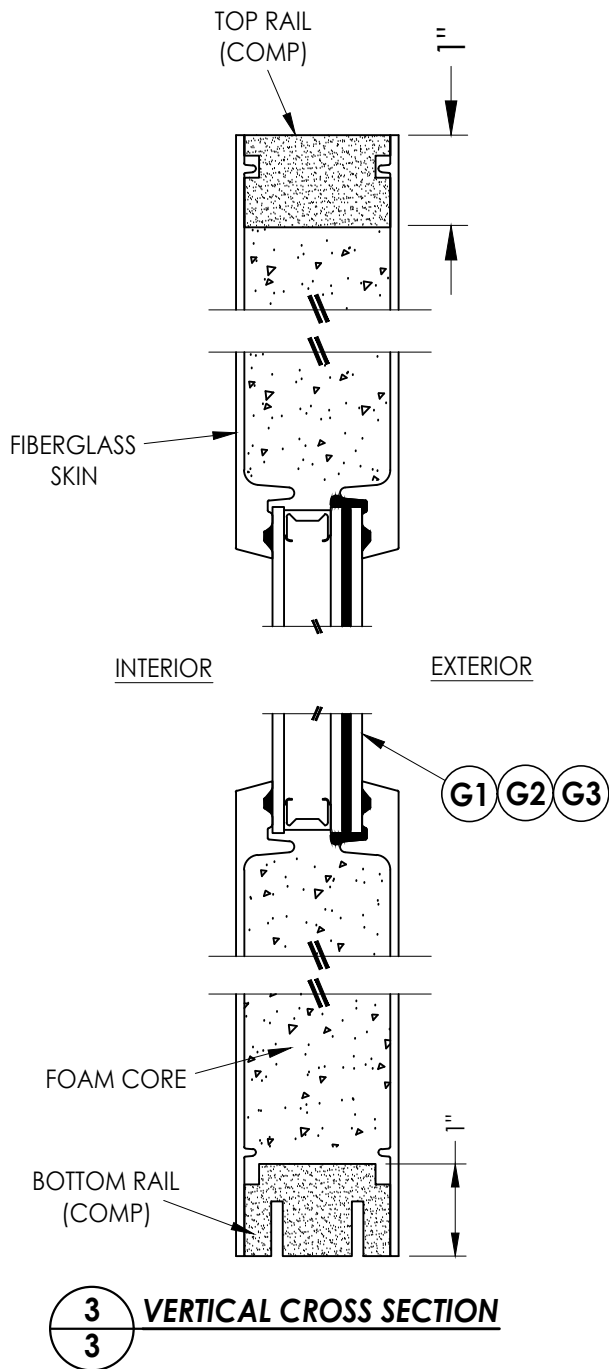


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS					
				LFS		BY	
				ADD ALTERNATE JAMBS, ASTRAGAL, & THRESHOLDS			
				NO.	DATE		REVISIONS
DATE: 7/25/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46118.9							
SHEET 2 OF 12							

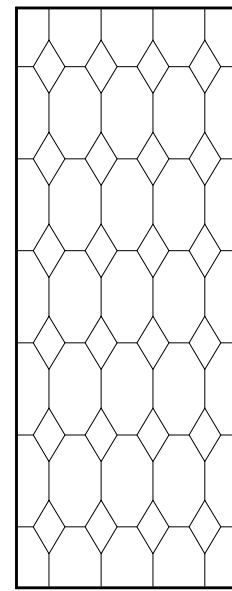
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FIBERGLASS SKIN: 0.070" MIN. THK.
FOAM CORE: POLYSTYRENE

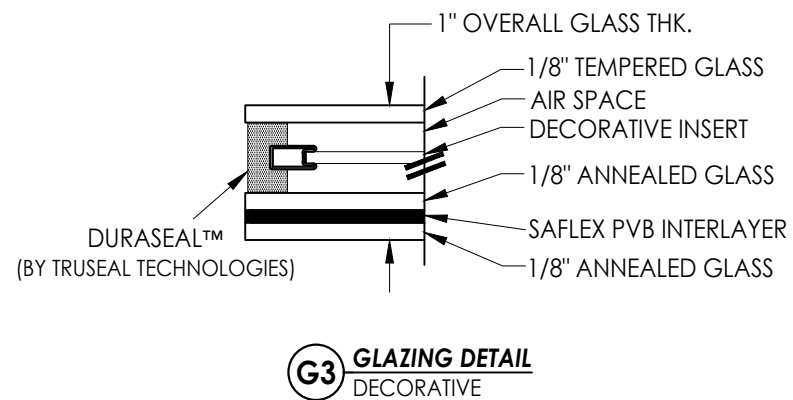
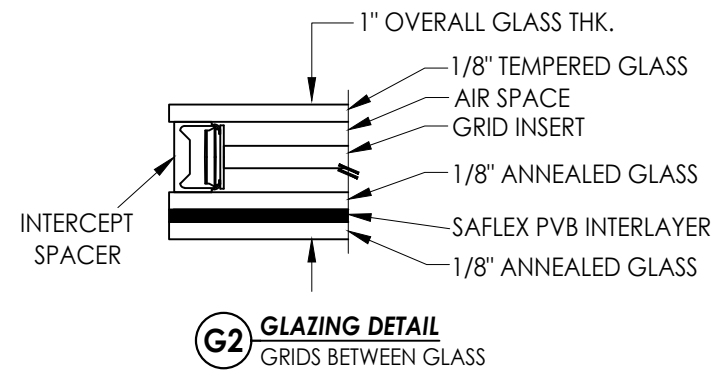


GRIDS BETWEEN GLASS



DECORATIVE

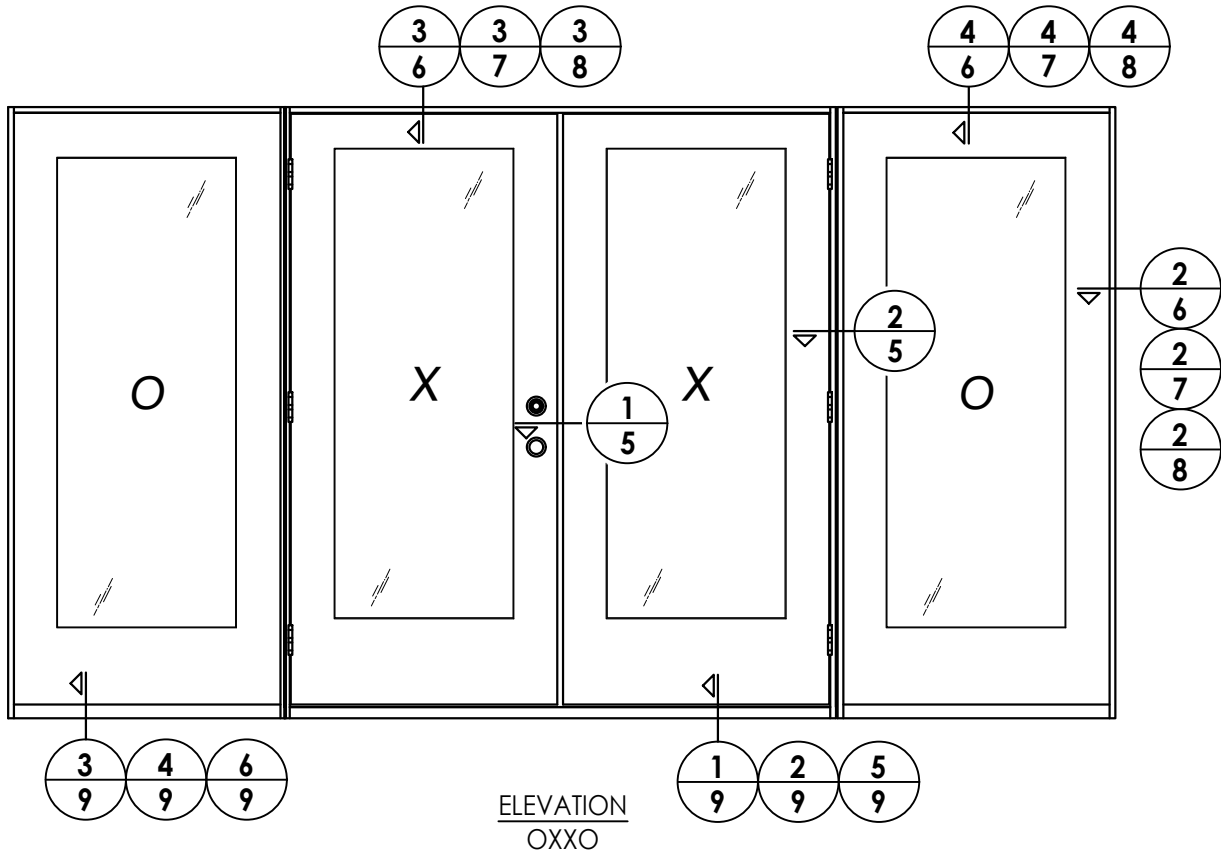
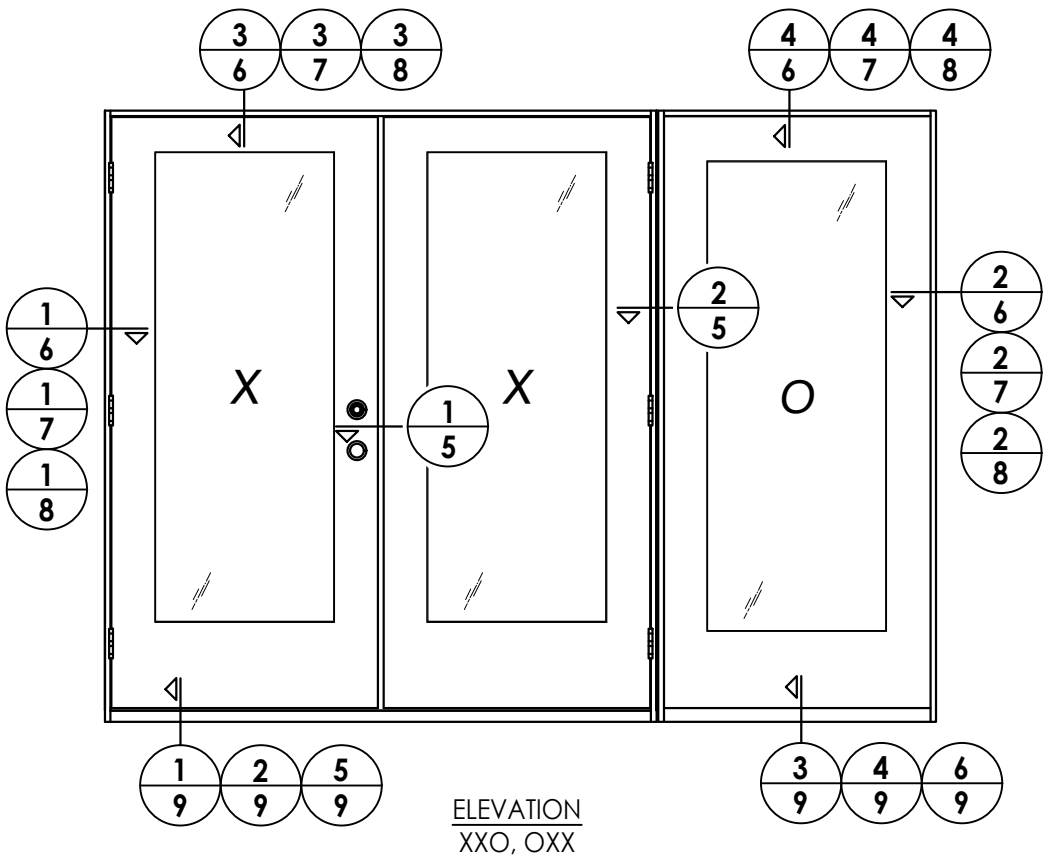
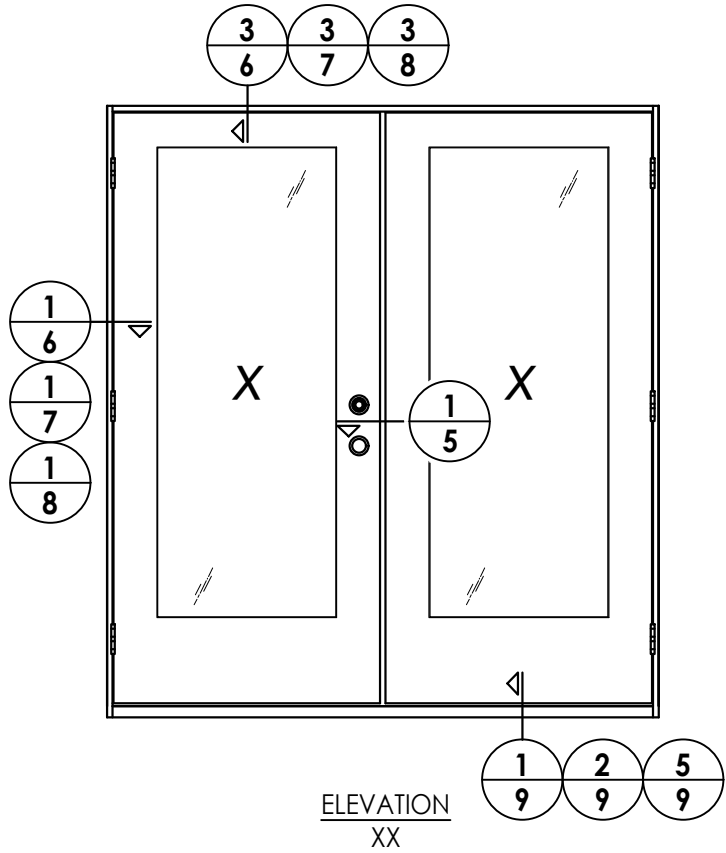
ALTERNATE GLAZING DETAILS



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

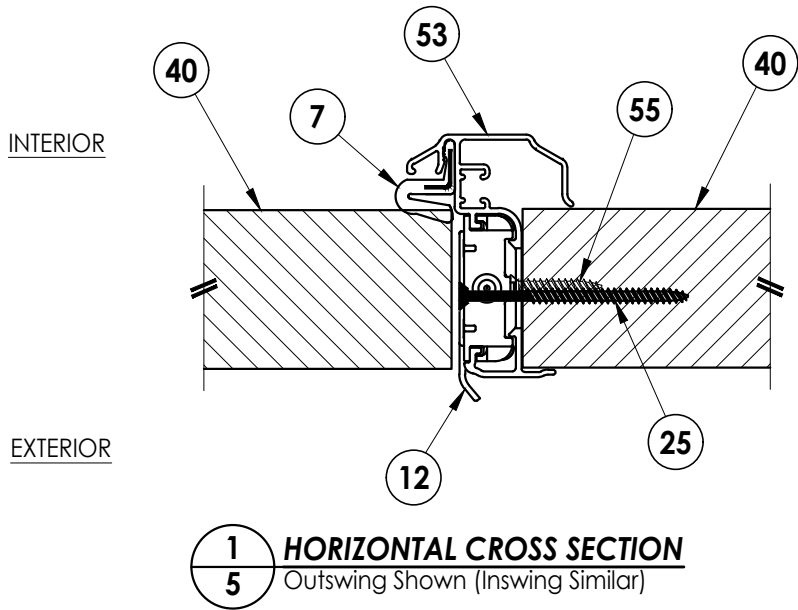
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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: ELEVATIONS					
				LFS	ADD ALTERNATE JAMBS, ASTRAGAL, & THRESHOLDS	DATE	BY
				1	12/10/24		
DATE: 7/25/24				REVISIONS			
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46118.9							
SHEET 4 OF 12							

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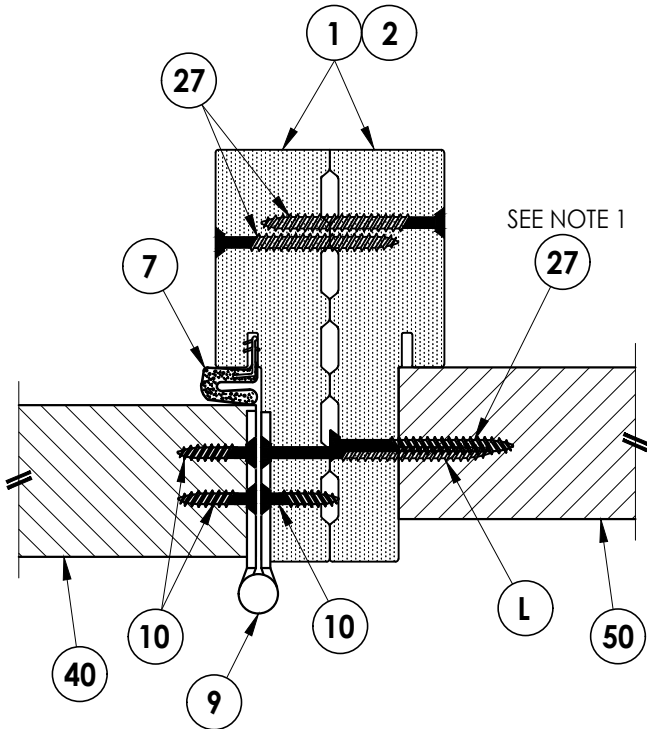
Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



1 HORIZONTAL CROSS SECTION
5 Outswing Shown (Inswing Similar)

INTERIOR

EXTERIOR



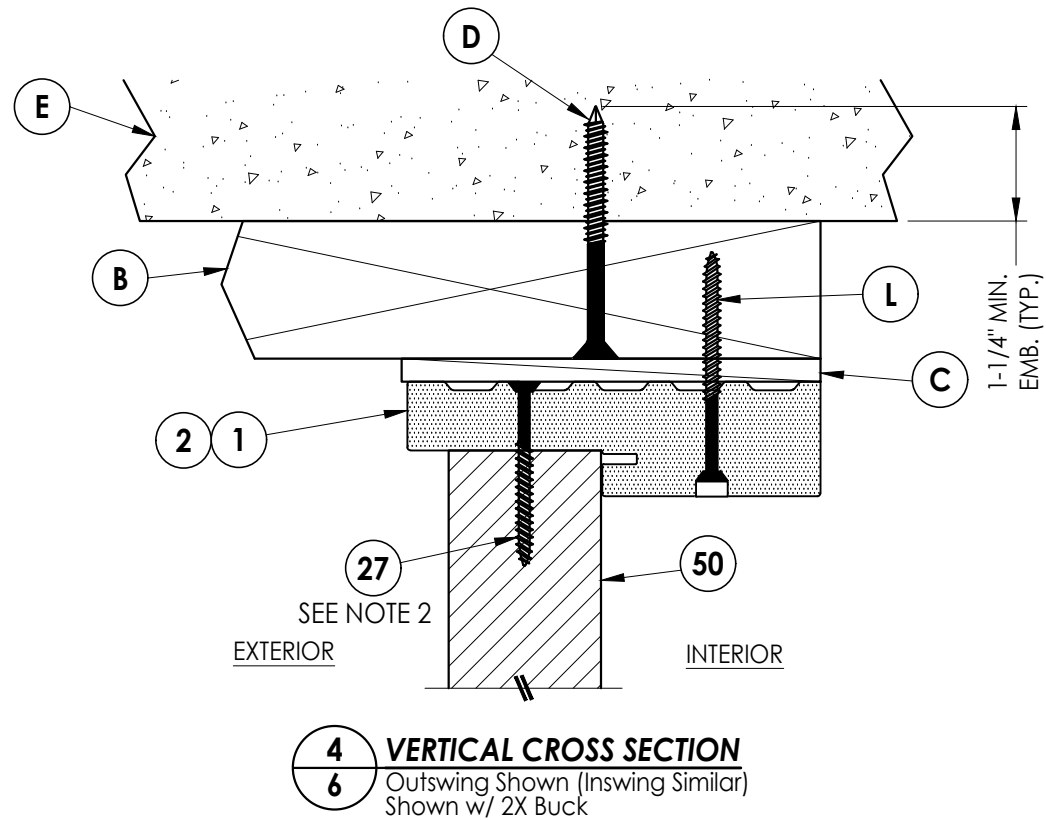
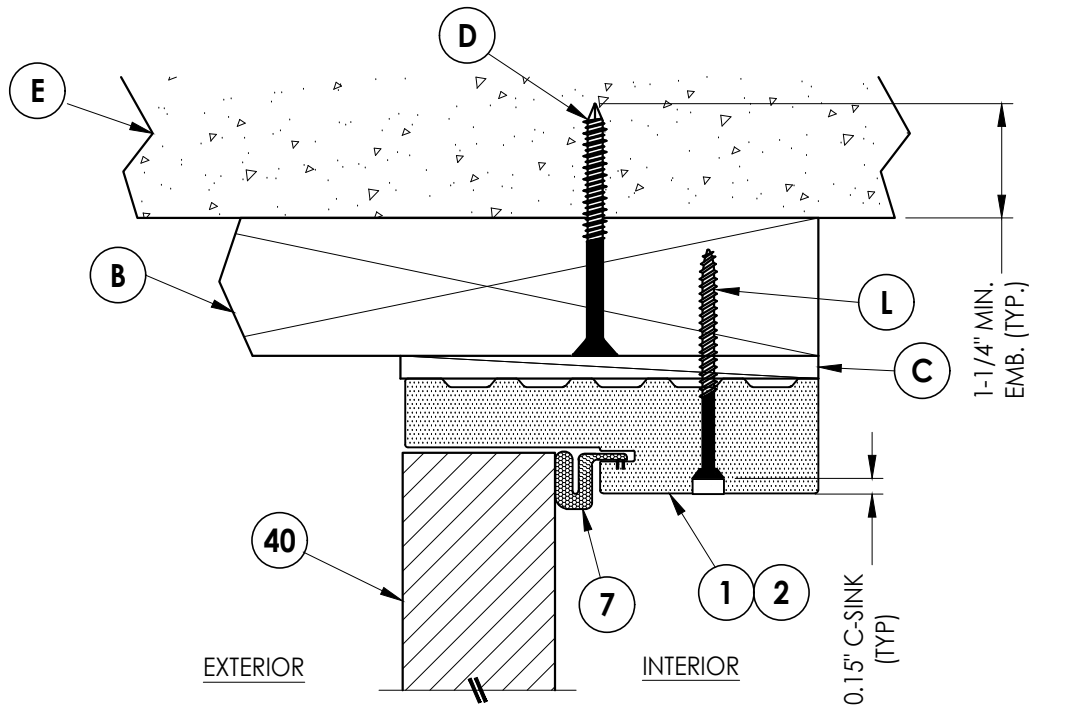
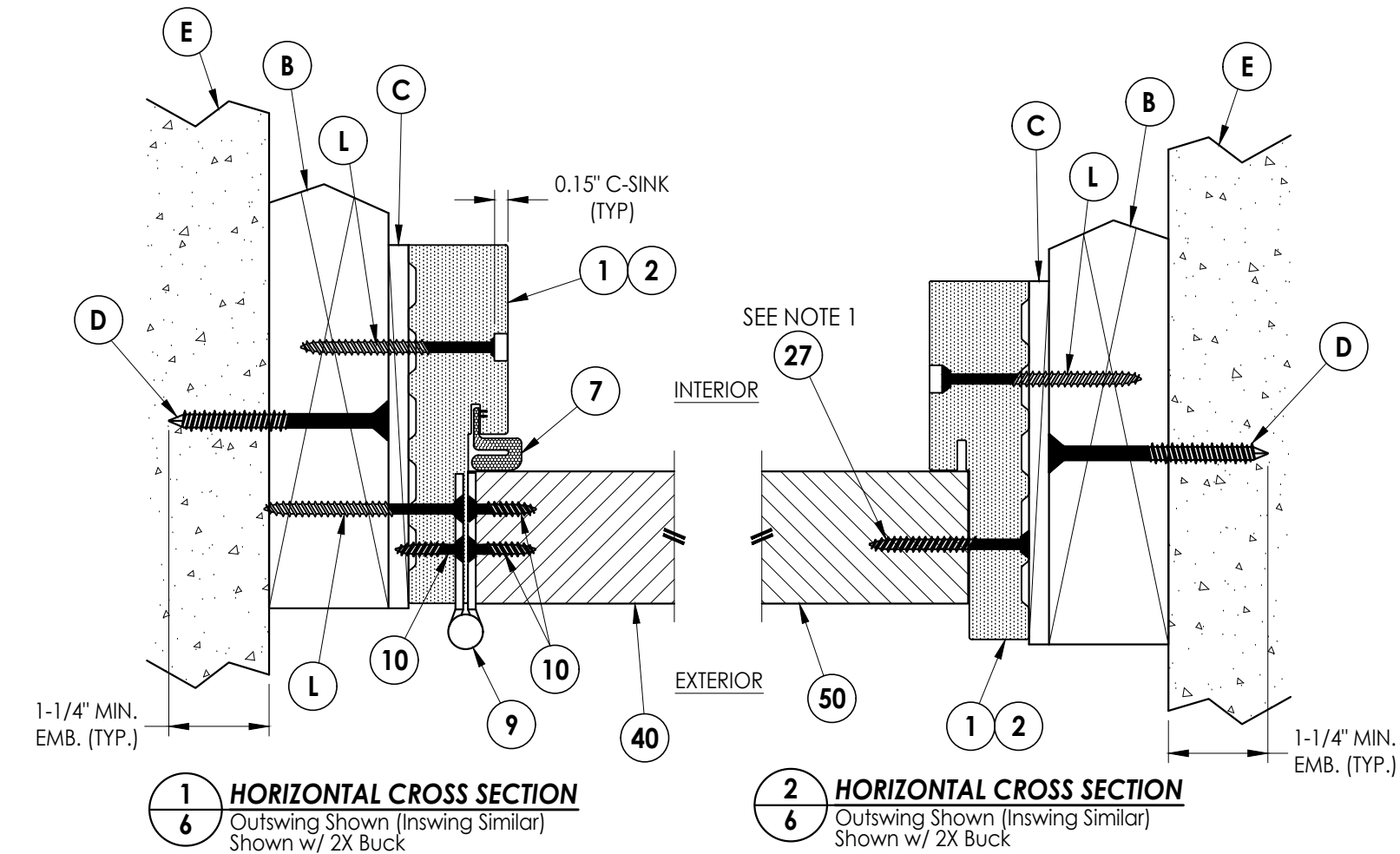
2 HORIZONTAL CROSS SECTION
5 Outswing Shown (Inswing Similar)

SEE NOTE 1

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: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS					
				1	12/10/24	ADD ALTERNATE JAMBS, ASTRAGAL, & THRESHOLDS	LFS
				NO.	DATE		BY
				REVISIONS			
DATE: 7/25/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46118.9							
SHEET 5 OF 12							

Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.9.dwg

- 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 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

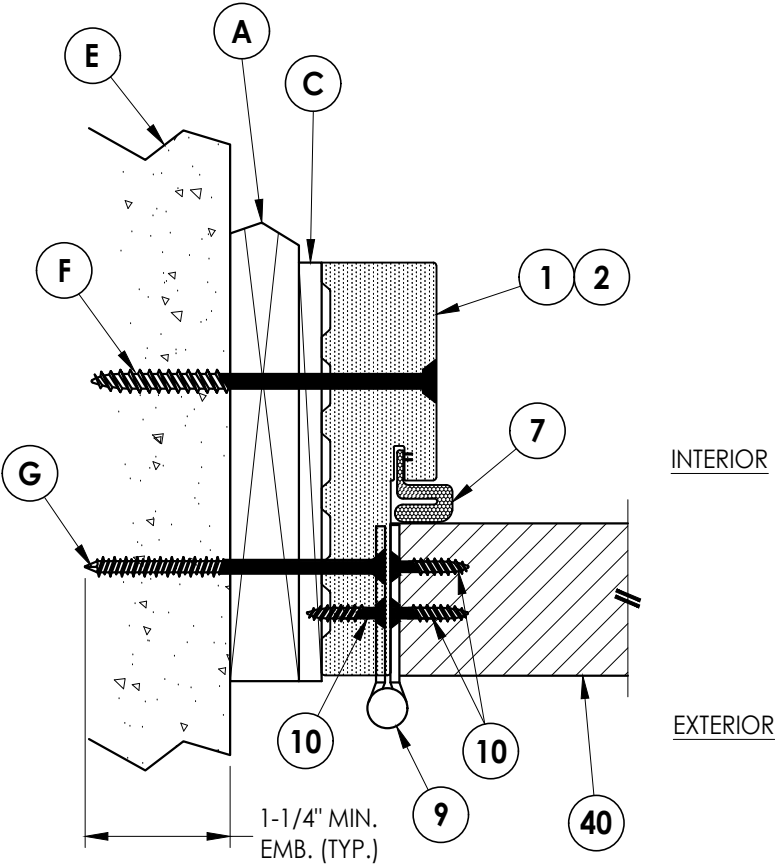


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
		REVISIONS	
		DATE: 7/25/24	
		SCALE: N.T.S.	
		DWG. BY: LFS	
		CHK. BY: RW	
		DRAWING NO.: FL-46118.9	
		SHEET 6 OF 12	

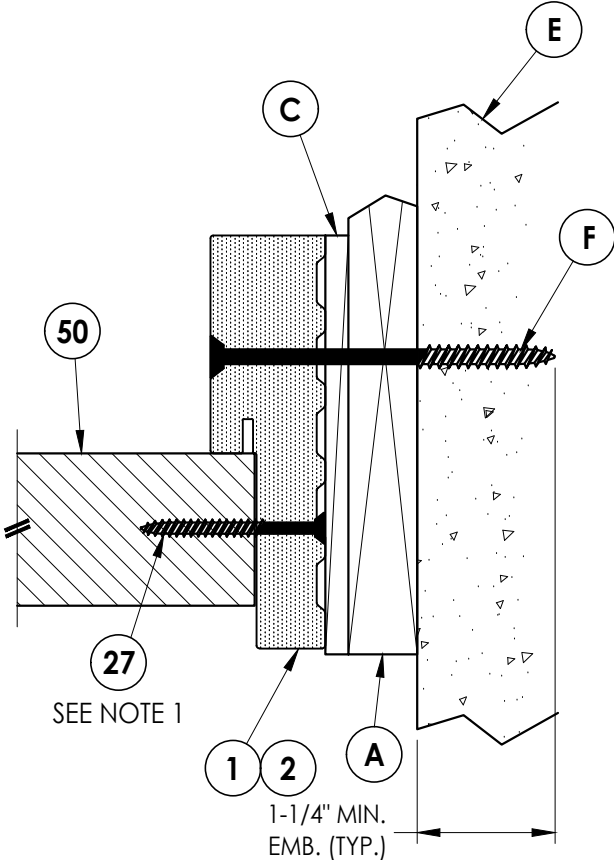
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Notes:

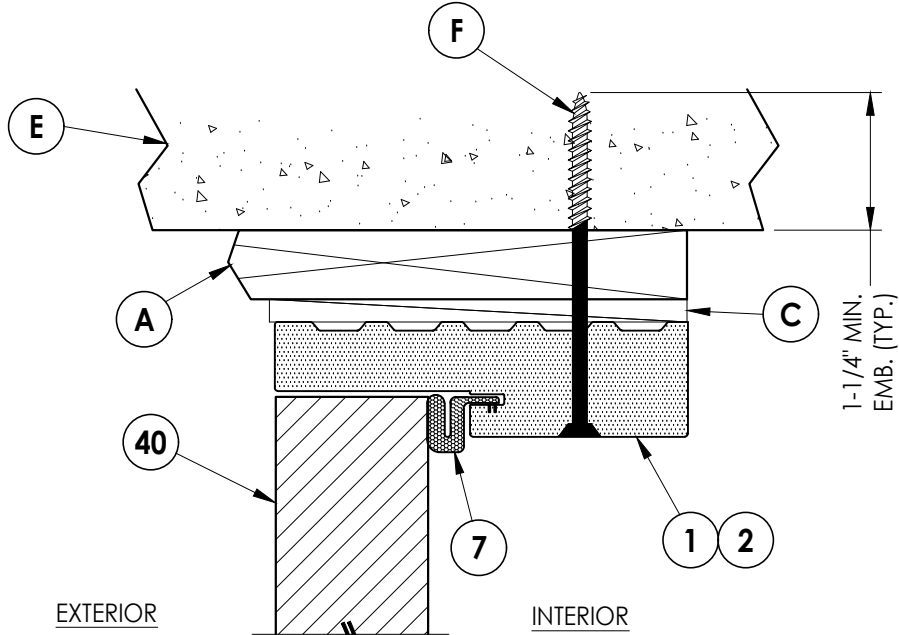
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.



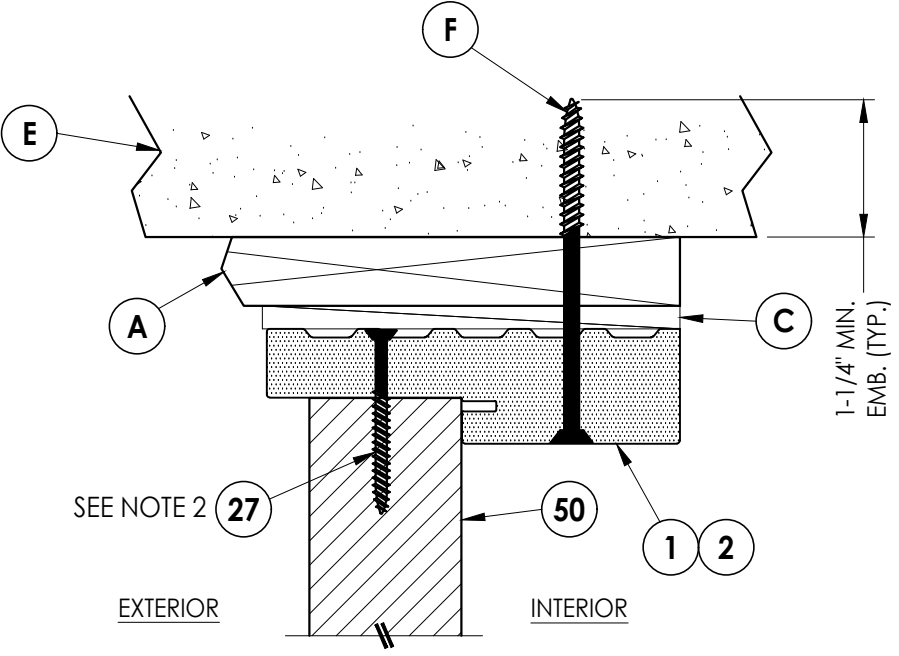
1
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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



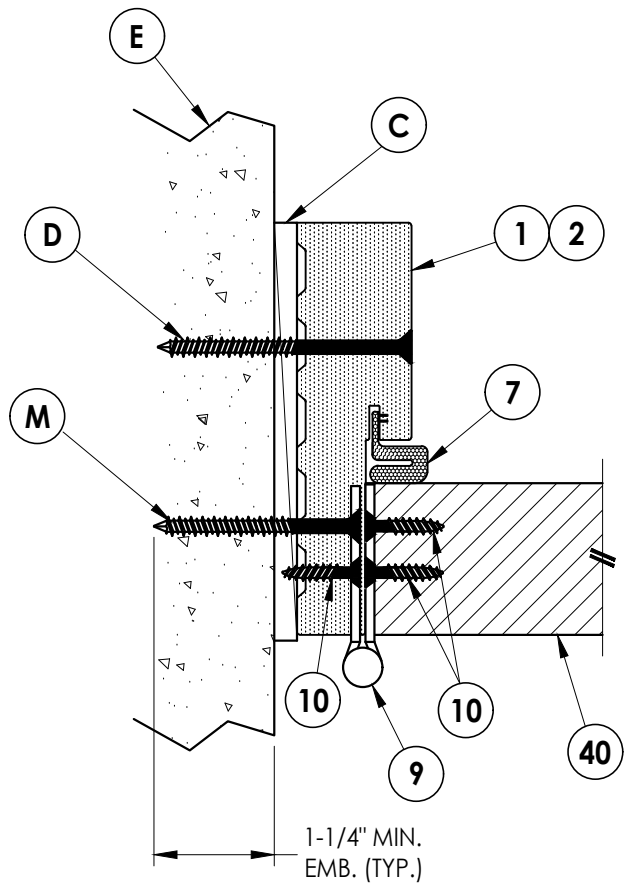
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7 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



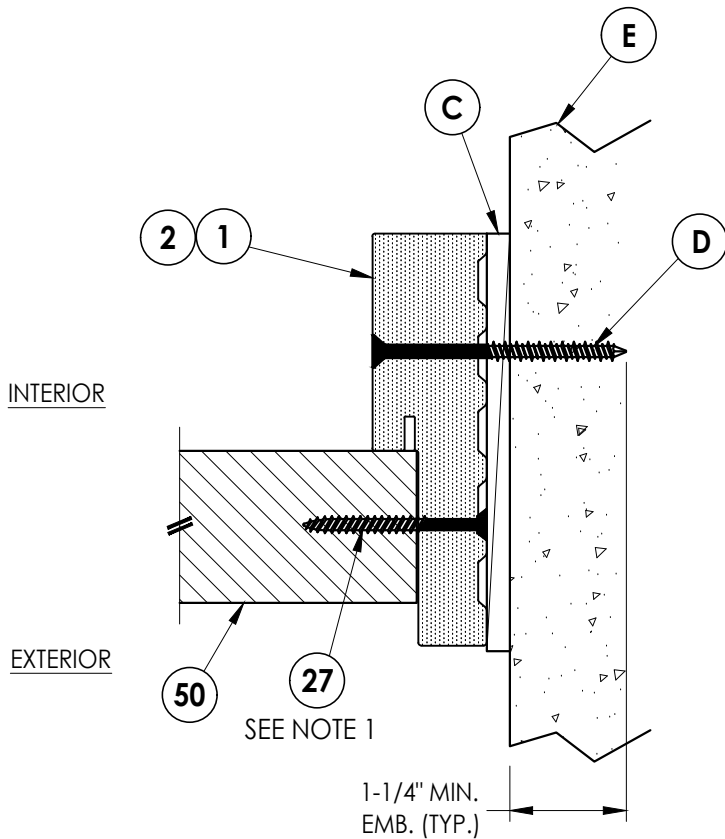
4
7 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT:		ODL FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
				LFS		BY	
				ADD ALTERNATE JAMBS, ASTRAGAL, & THRESHOLDS			
				1 12/10/24		DATE	
						NO.	
DATE: 7/25/24				REVISIONS			
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46118.9							
SHEET 7 OF 12							

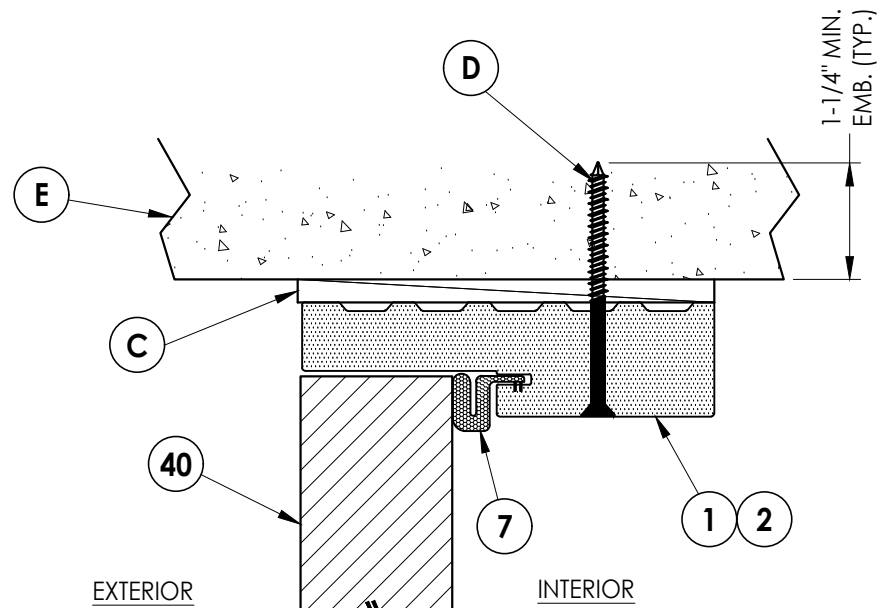
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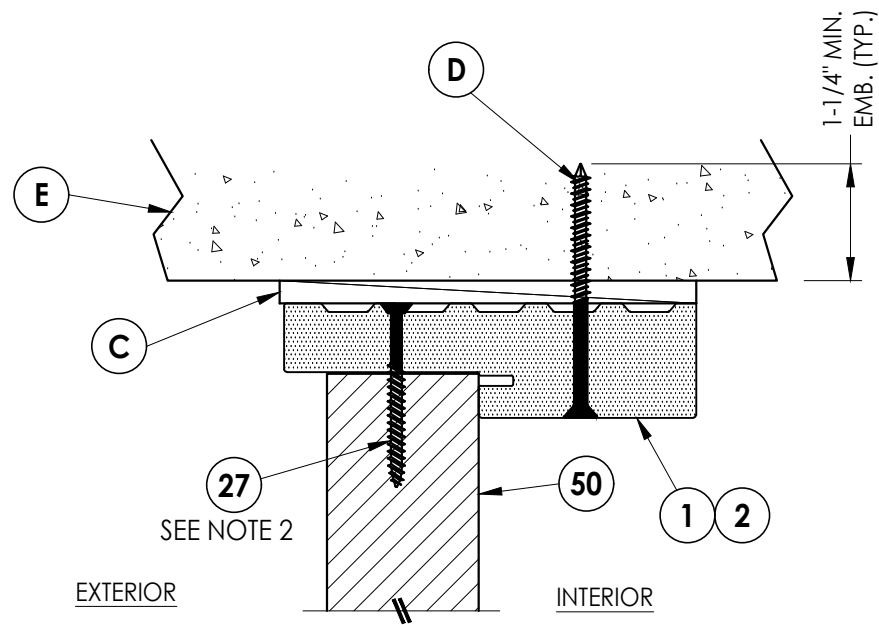
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



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



4
8 **VERTICAL CROSS SECTION**
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 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

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

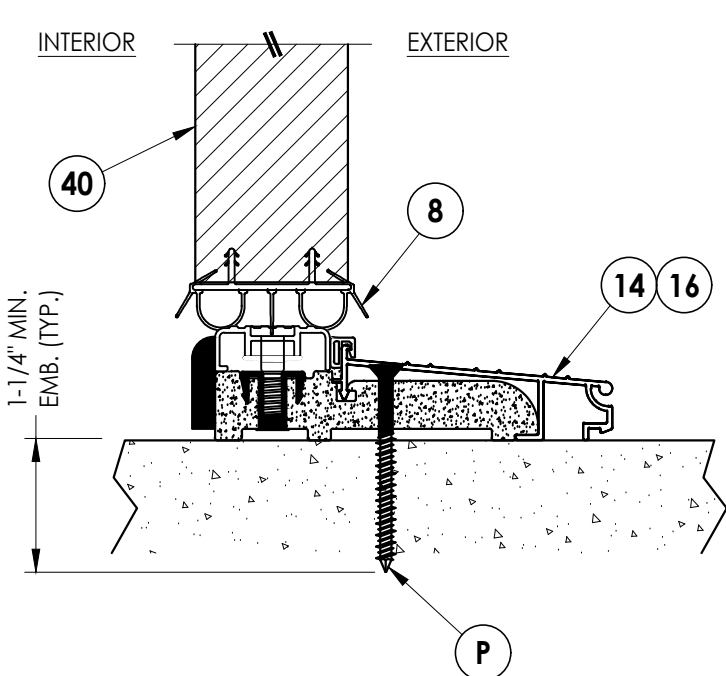
RW BUILDING CONSULTANTS, INC.

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

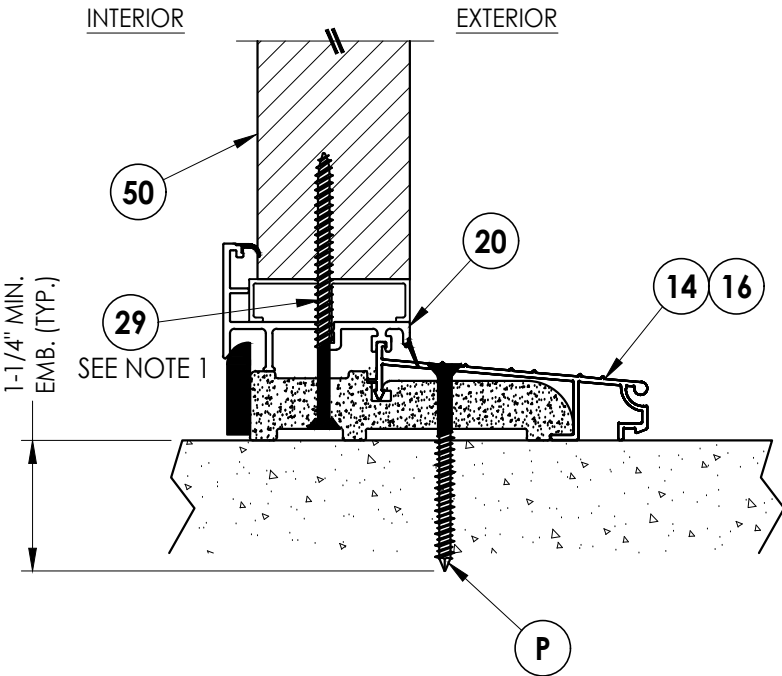
PRODUCT:		PART OR ASSEMBLY:	
ODL		FIBERGLASS DOOR	
		HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
NO.	DATE	REVISIONS	BY
1	12/10/24	ADD ALTERNATE JAMBS, ASTRAGAL, & THRESHOLDS	LFS
DATE: 7/25/24		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-46118.9		SHEET 8 OF 12	

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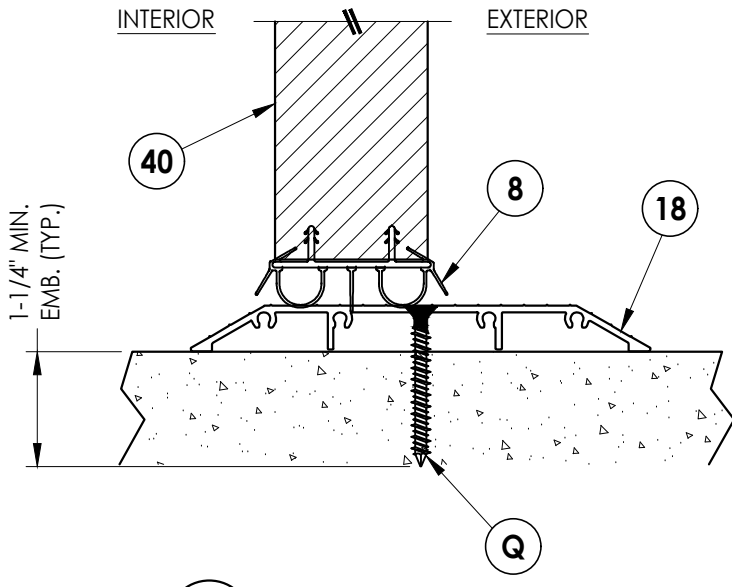
Note:
1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.



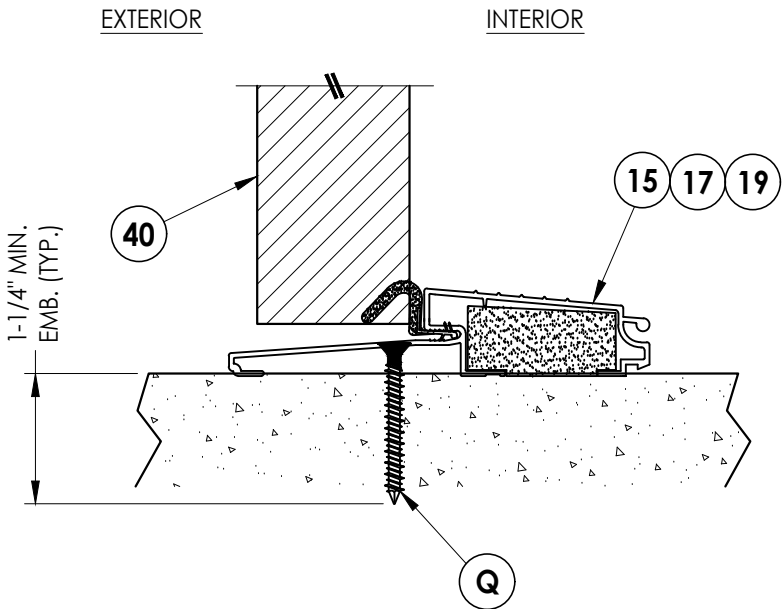
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9 VERTICAL CROSS SECTION
Inswing Sill



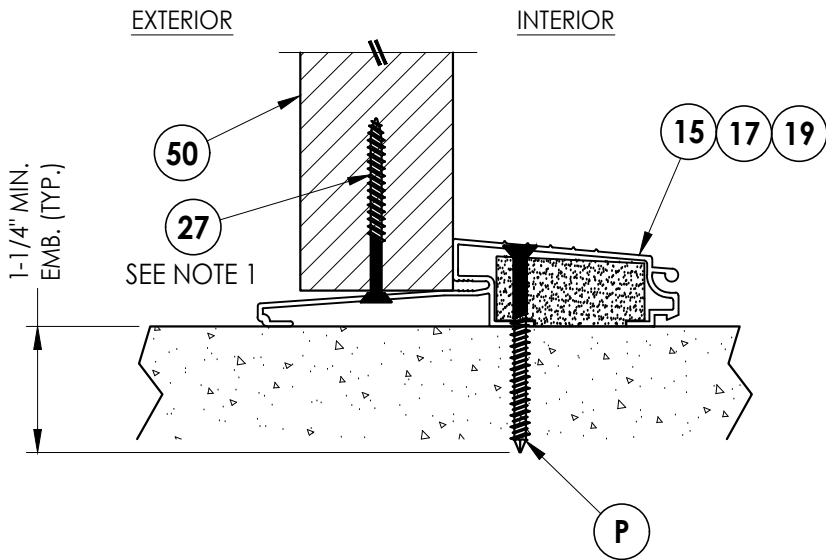
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9 VERTICAL CROSS SECTION
Inswing Sill



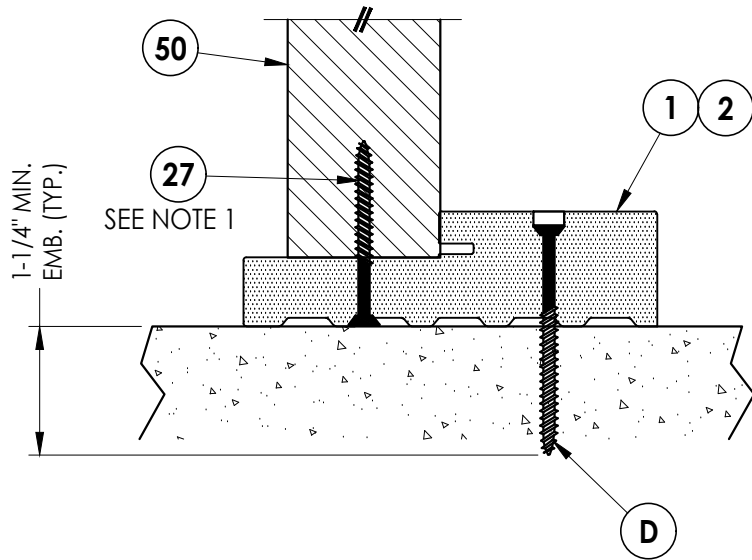
5
9 VERTICAL CROSS SECTION
ADA Sill



2
9 VERTICAL CROSS SECTION
Outswing Sill



4
9 VERTICAL CROSS SECTION
Outswing Sill



6
9 VERTICAL CROSS SECTION
Boxed Sidelite Sill

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: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
1	12/10/24	ADD ALTERNATE JAMBS, ASTRAGAL, & THRESHOLDS

DATE: 7/25/24

SCALE: N.T.S.

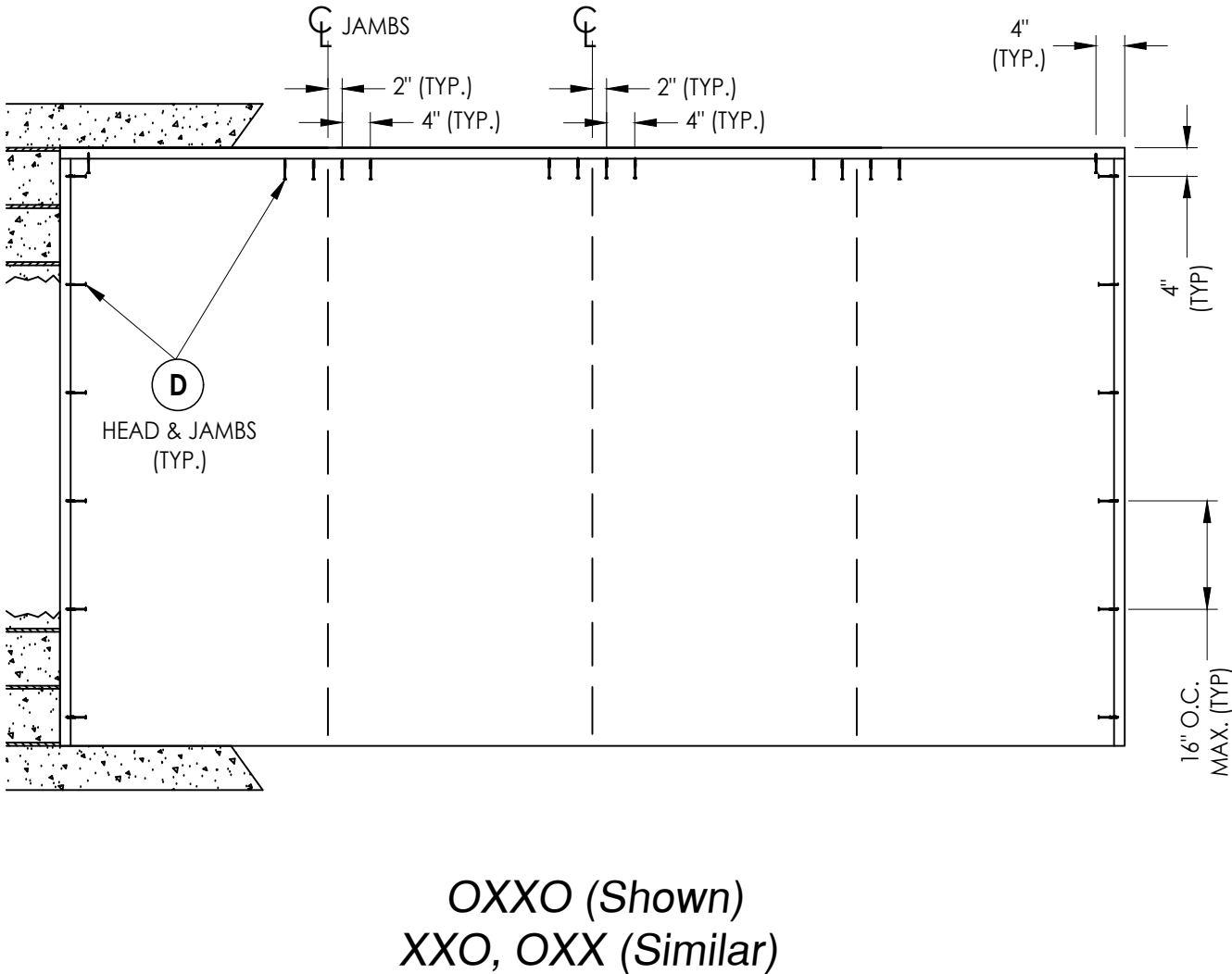
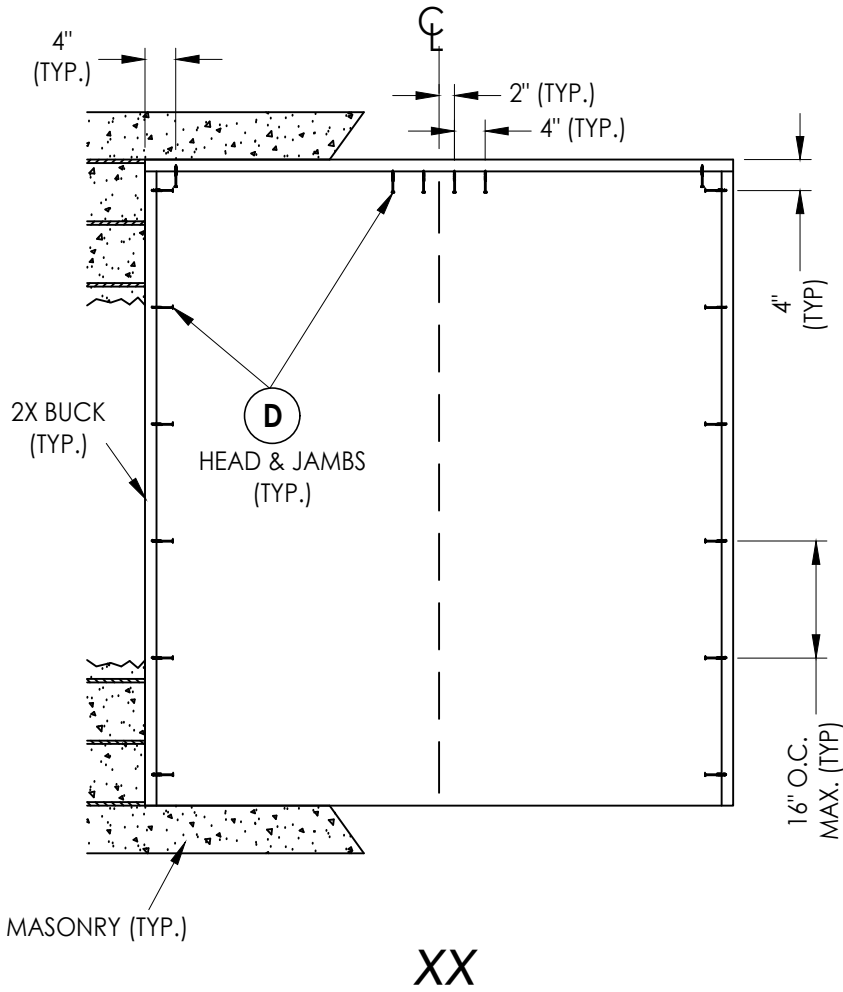
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46118.9

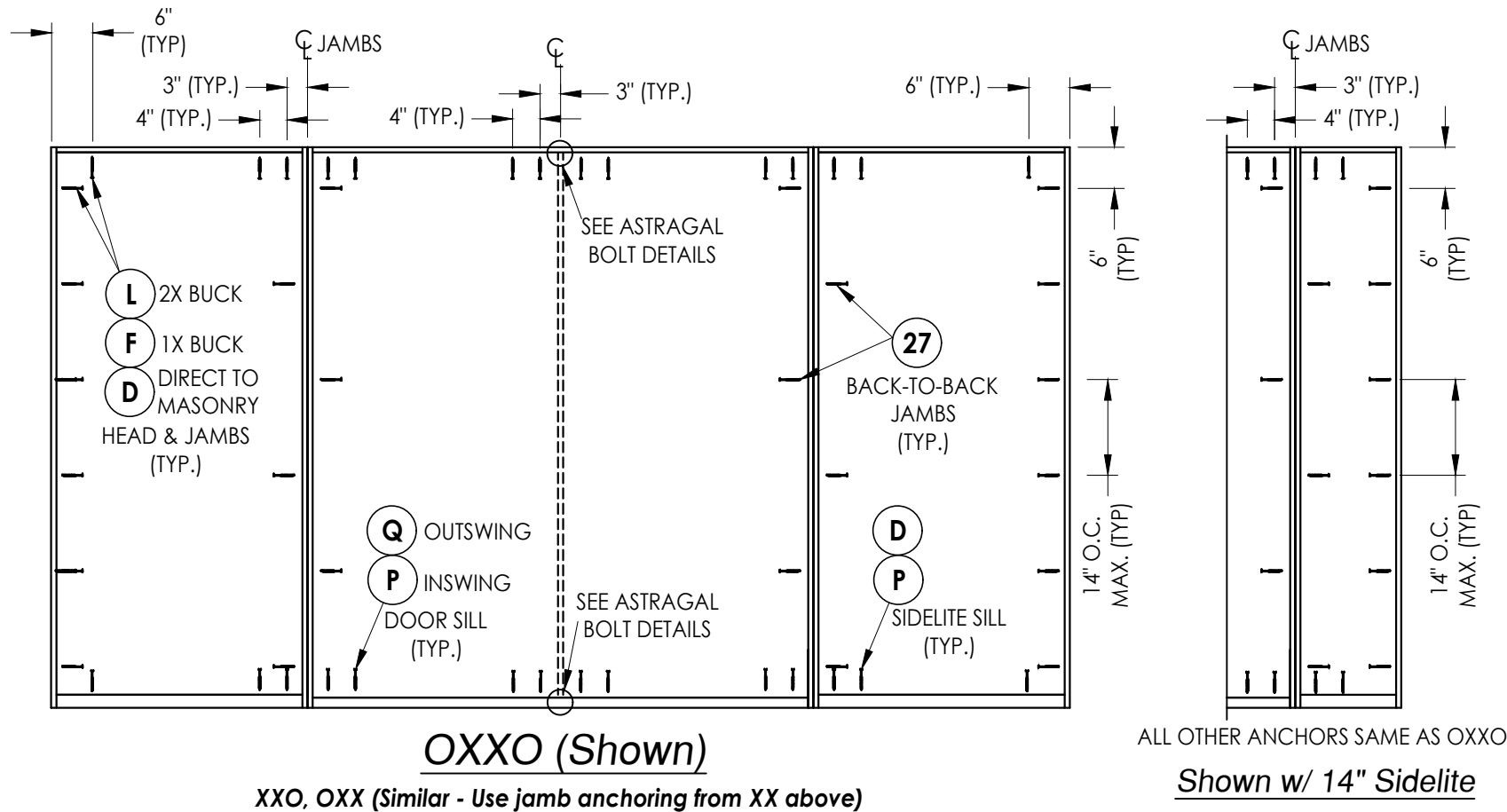
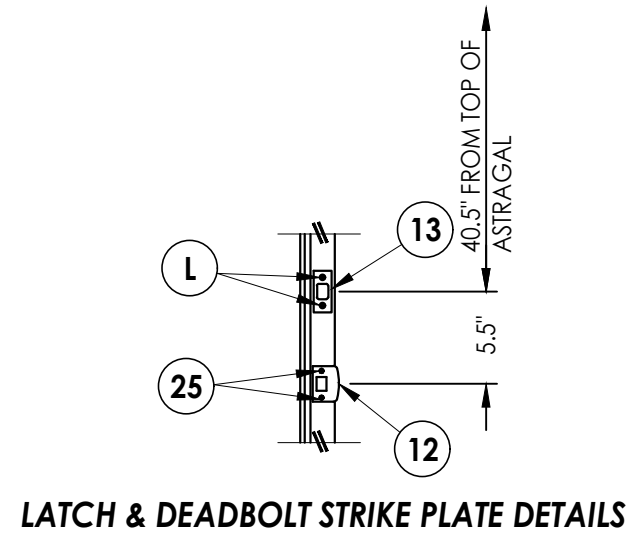
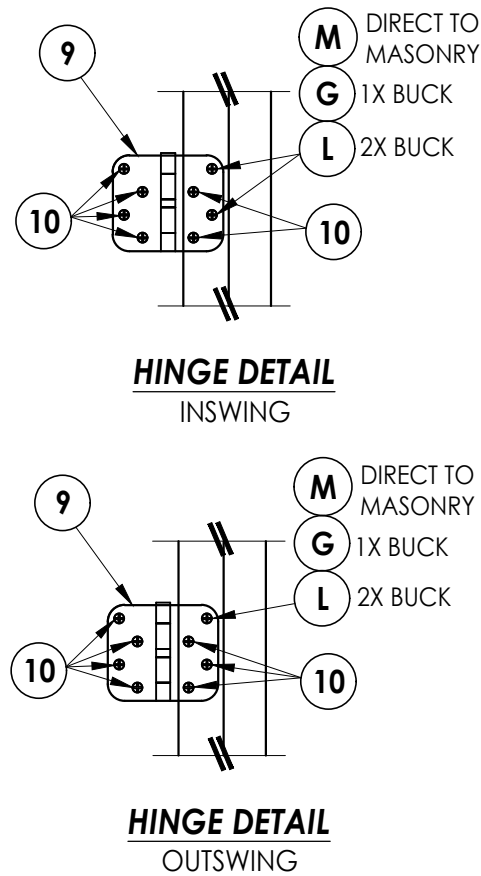
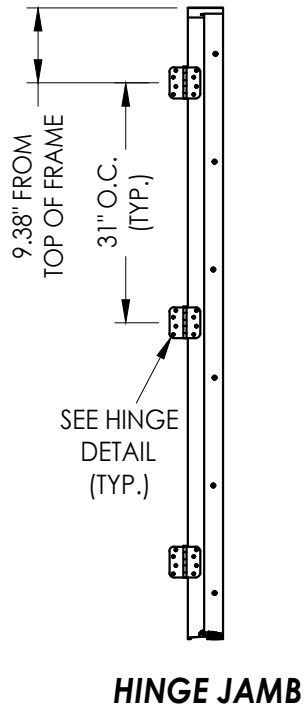
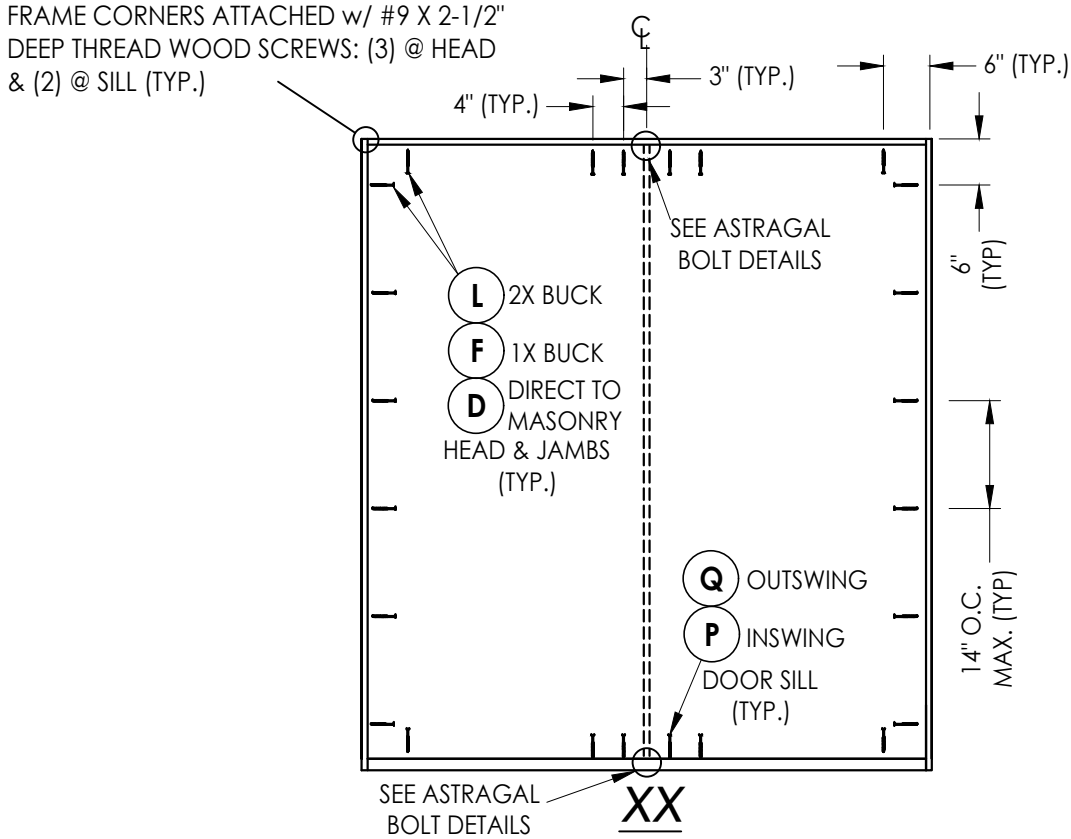
SHEET 9 OF 12

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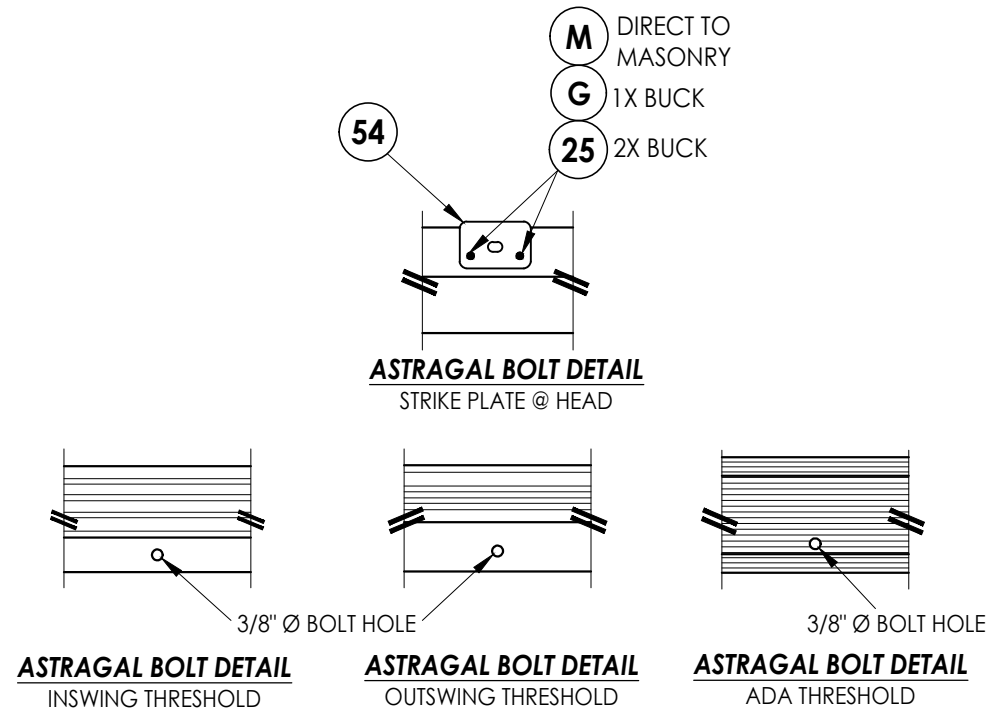


2X BUCK ANCHORING

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:		ODL FIBERGLASS DOOR		PART OR ASSEMBLY:		BUCK ANCHORING	
				LFS		BY	
				REVISIONS			
				1	12/10/24	ADD ALTERNATE JAMBS, ASTRAGAL, & THRESHOLDS	
				NO.	DATE		
DATE: 7/25/24				DRAWING NO.: FL-46118.9			
SCALE: N.T.S.				SHEET 10 OF 12			
DWG. BY: LFS							
CHK. BY: RW							



FRAME ANCHORING



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: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS	
		LFS	BY
		ADD ALTERNATE JAMBS, ASTRAGAL, & THRESHOLDS	
1	12/10/24	NO.	DATE
DATE: 7/25/24		REVISIONS	
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46118.9			
SHEET 11 OF 12			

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
Q	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB (STARLINK, WORLDWIDE, OR PLASTPRO)	COMP
2	WOOD JAMB (FJ PINE OR PLASTPRO)	WOOD
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
16	INSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP
18	ADA THRESHOLD	ALUM
19	ADA OUTSWING THRESHOLD	ALUM
20	INSWING SIDELITE BASE	PVC/ALUM
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
29	#10 X 3" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
41	DOOR PANEL	-
50	SIDELITE PANEL	-
51	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL
55	8 X 1" PFH WS	STEEL

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"

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