



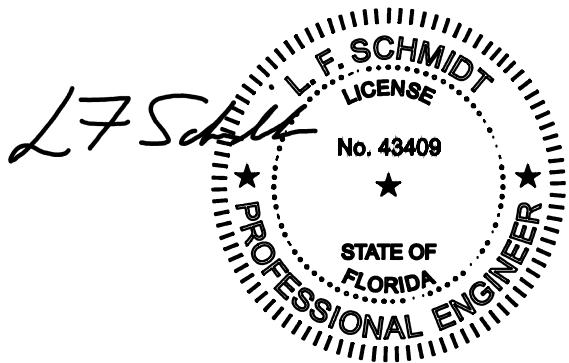
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

**FLUSH GLAZED FIBERGLASS DOOR
SINGLE w/ SIDELITE(S)
INSWING/OUTSWING
"NON-IMPACT"**

GENERAL NOTES

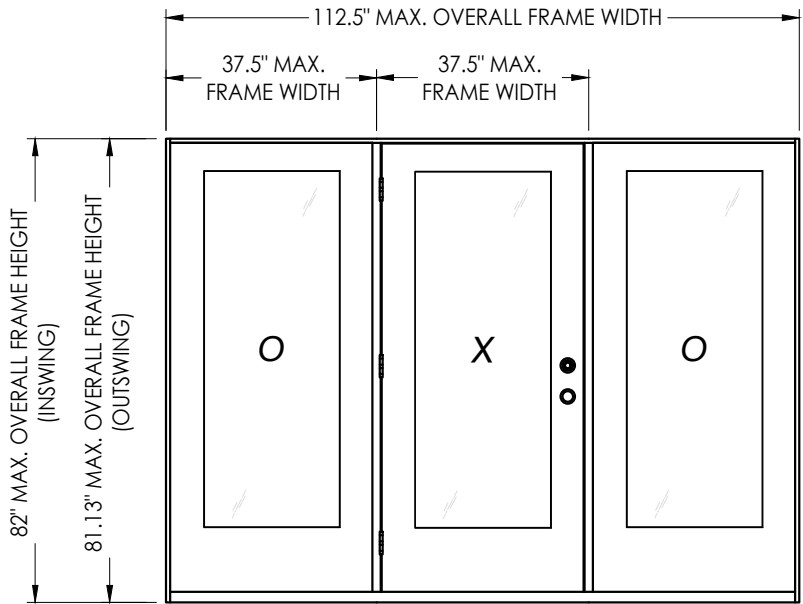
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 of the FBC.
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.

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3	Sidelite Panel & Lite Frame Glazing Details	9	Vertical Cross Sections (Thresholds)
4	Elevations	10	Buck Anchoring
5	Horizontal Cross Sections	11	Frame Anchoring & Hardware Details
6	Horizontal & Vertical Cross Sections (2X Buck)	12	Bill of Materials & Components

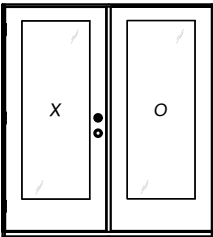


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

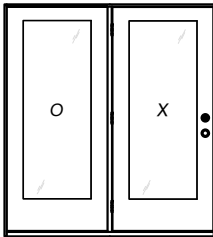
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



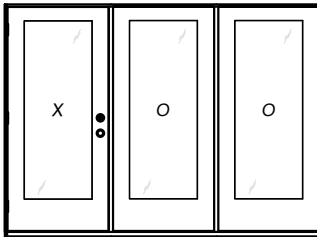
OXO
CONTINUOUS HEAD & SILL



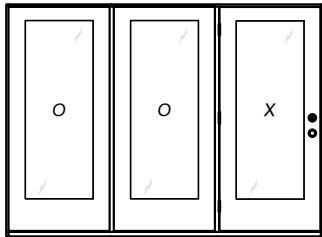
XO, OX



OX, XO



XOO, OOX



OOX, XOO

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO	75" x 82.0"	+50.0	-50.0	+50.0	-50.0
OXO, XOO, OOX	112.5" x 82.0"	+50.0	-50.0	+50.0	-50.0

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:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS			
NO.	DATE	BY	

DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-46118.3
SHEET 1 OF 12



The diagram illustrates a cross-section of a composite rail assembly. At the top, a layer of "TOP RAIL (COMP)" is shown with a 1" dimension. Below this is a "FIBERGLASS SKIN" layer. The main body of the rail is filled with a "FOAM CORE" material, which contains small triangular inclusions. The rail is divided into "INTERIOR" and "EXTERIOR" sections by a central vertical line. At the bottom, a "BOTTOM RAIL (COMP)" layer is shown with a 1" dimension. Four circular components labeled "G1", "G2", "G3", and "G4" are positioned on the exterior side of the rail.

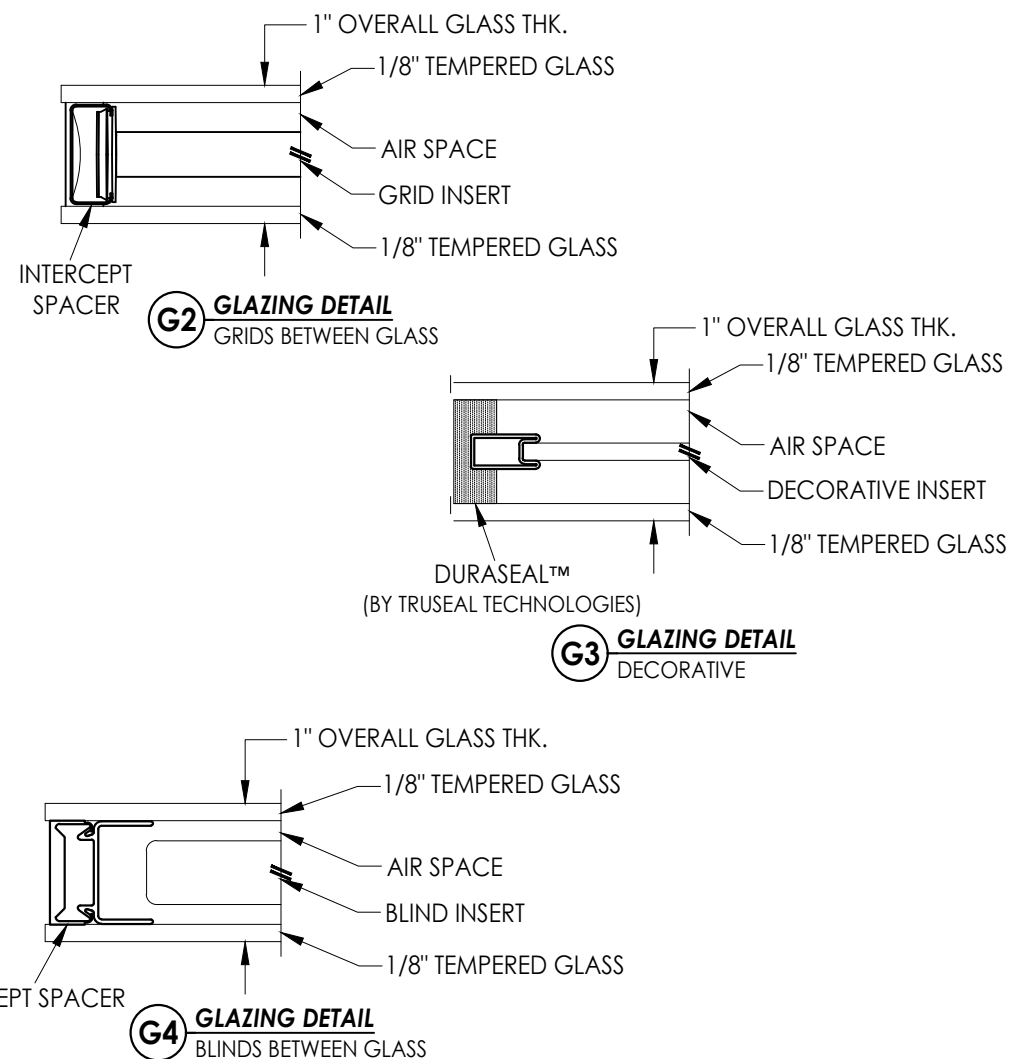
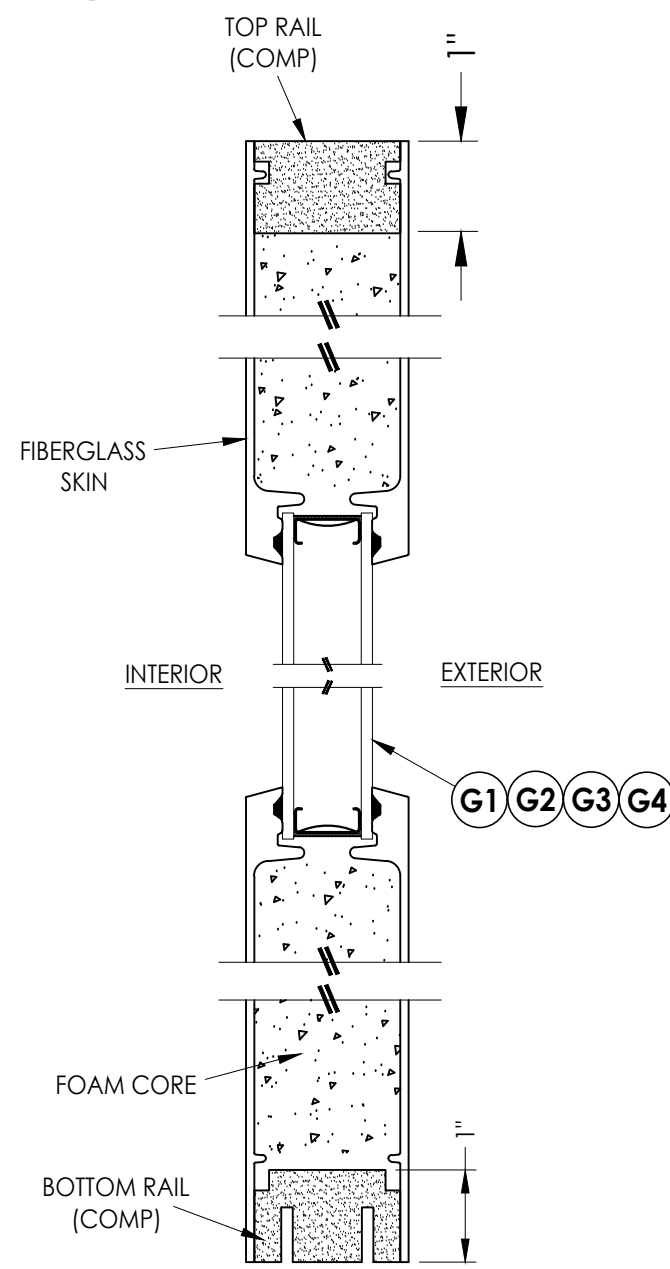
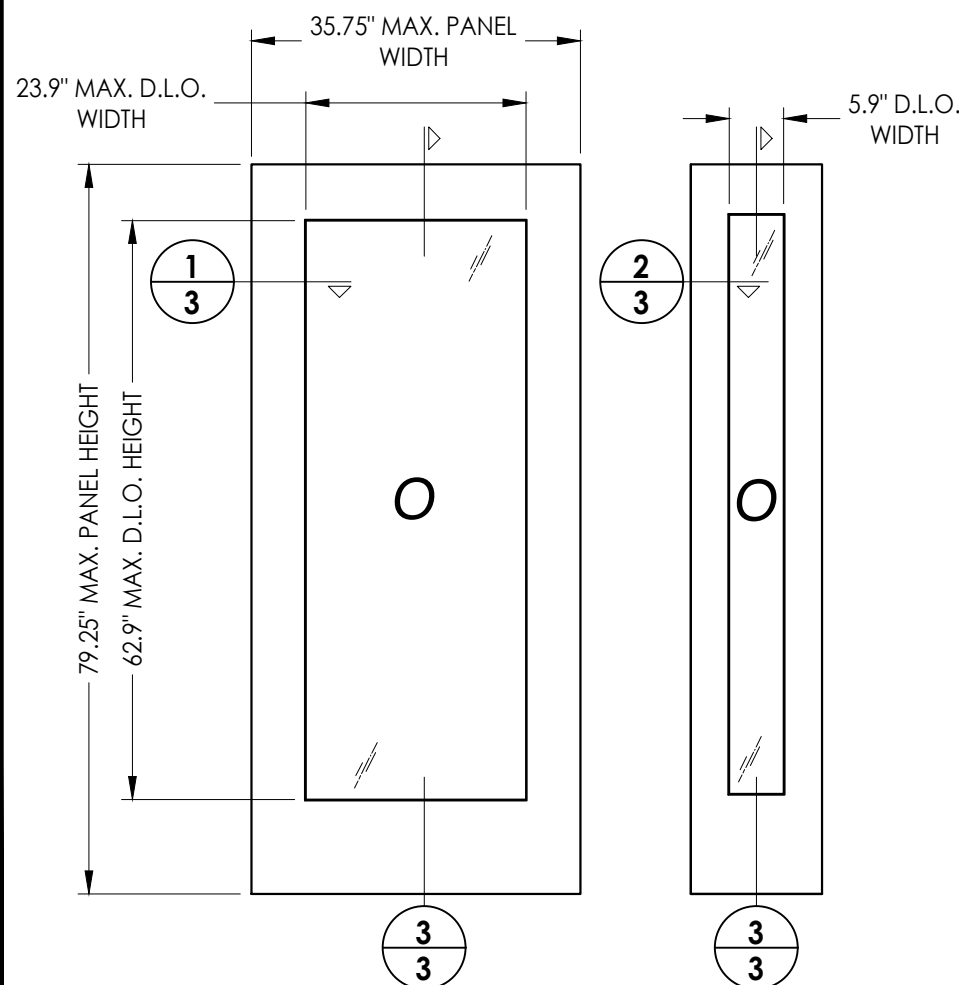
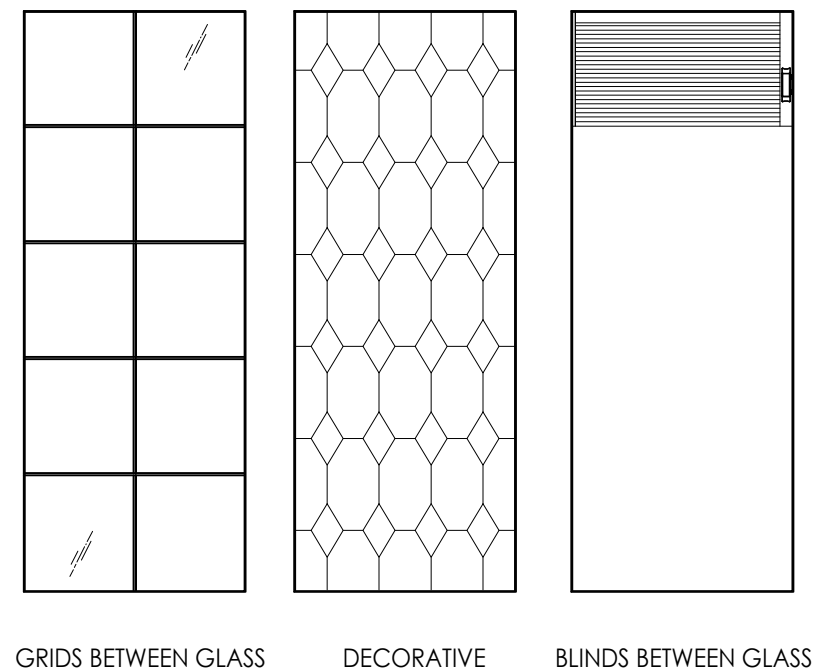
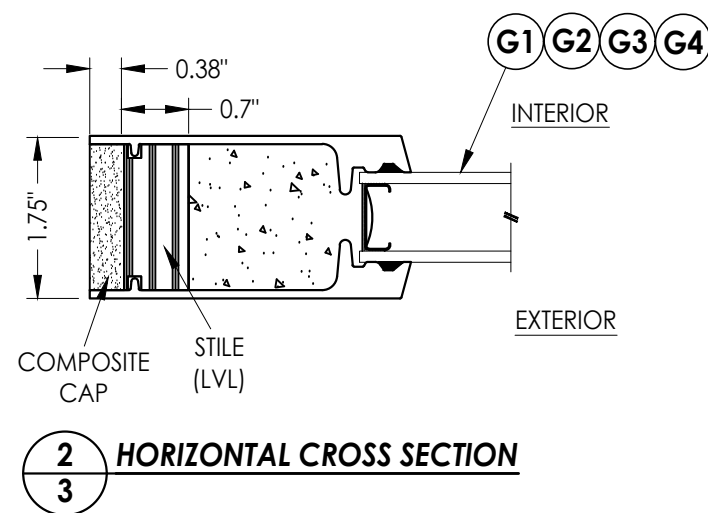
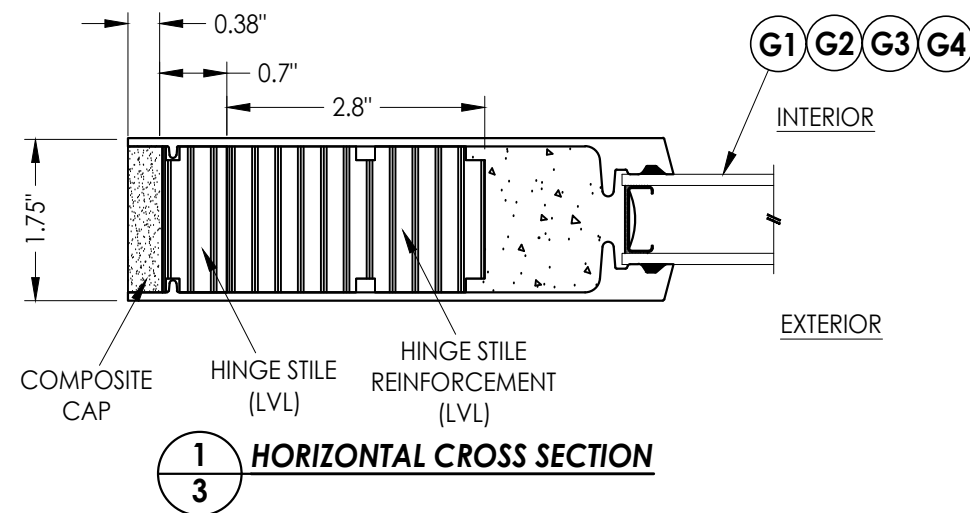
2 VERTICAL CROSS SECTION

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PART OR ASSEMBLY:
DOOR
PANEL DETAILS

[illegible]

DATE:	12/10/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46118.3
SHEET	2 OF 12



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

50 FIBERGLASS SIDELITE PANELS
ODL

3 VERTICAL CROSS SECTION

G4 GLAZING DETAIL
BLINDS BETWEEN GLASS

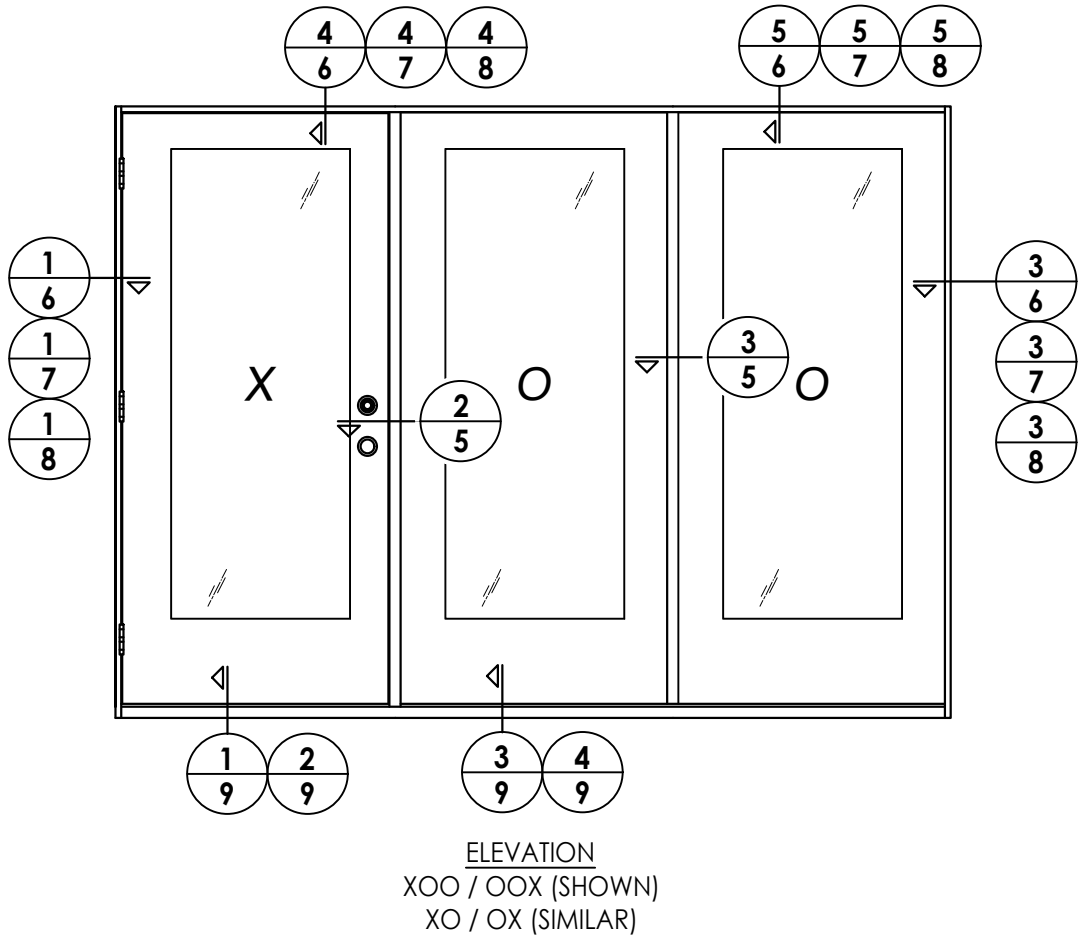
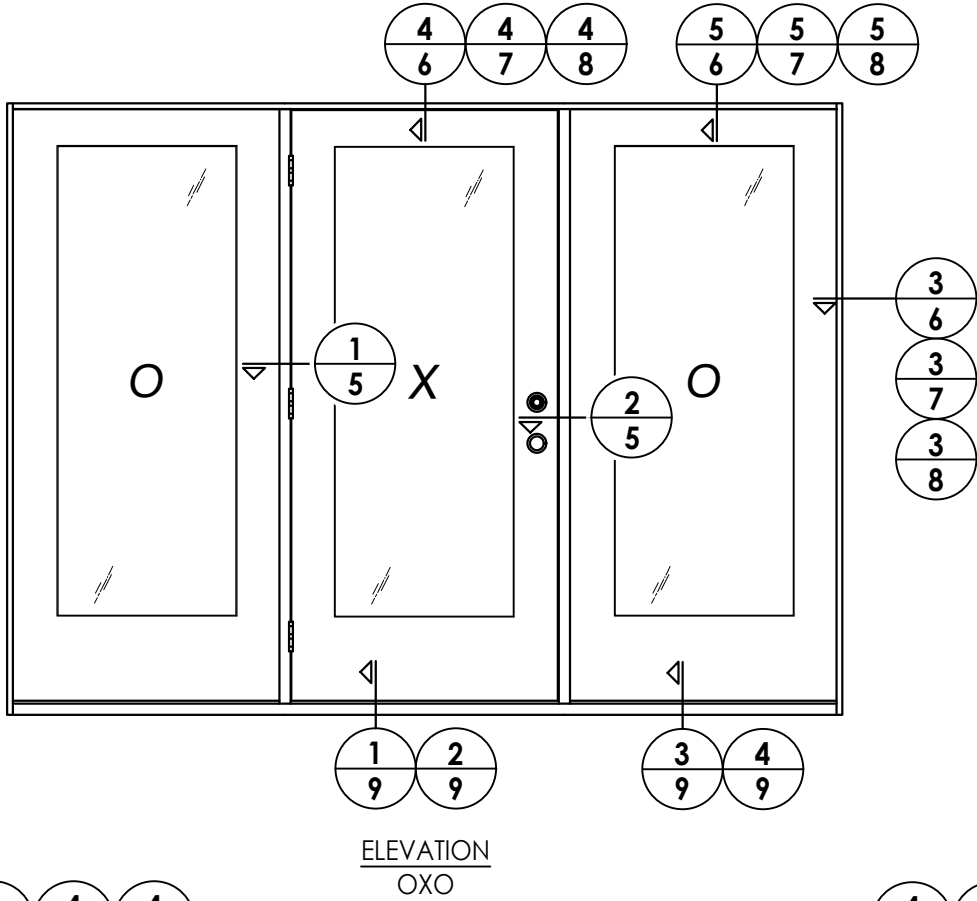
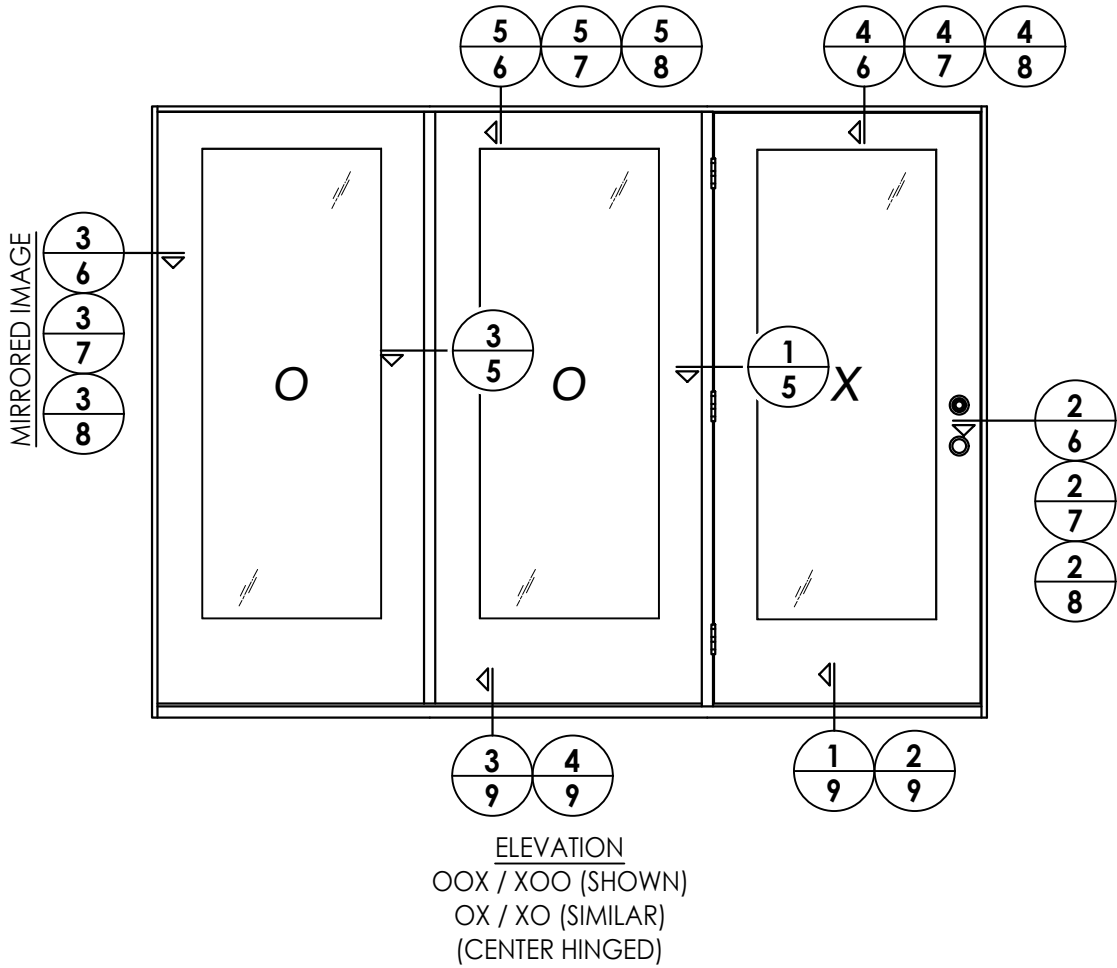
[illegible]

Documents Prepared By:
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P.E. No. 43409

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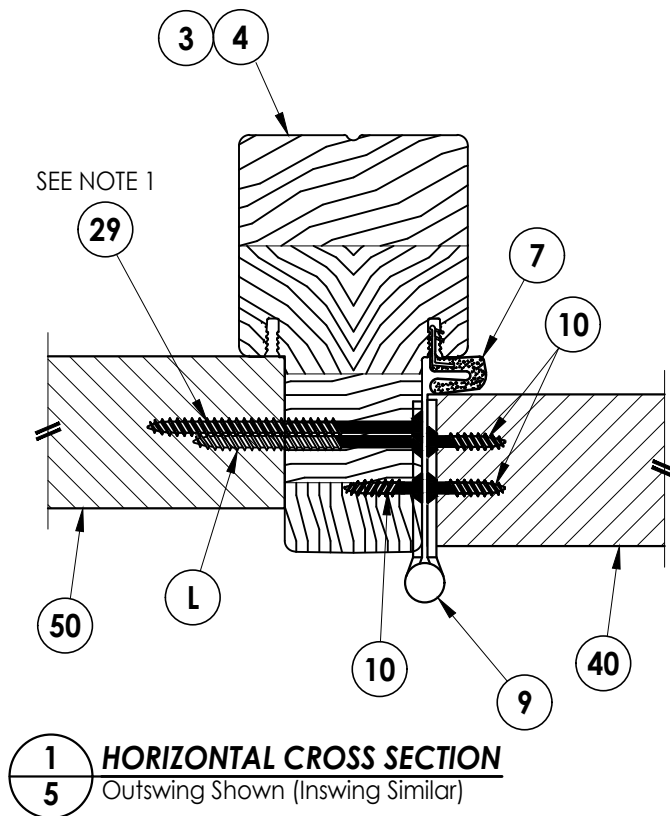
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DATE: 12/10/24
SCALE: N.T.S.
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CHK. BY: RW
DRAWING NO.: FL-46118.3
SHEET 4 OF 12

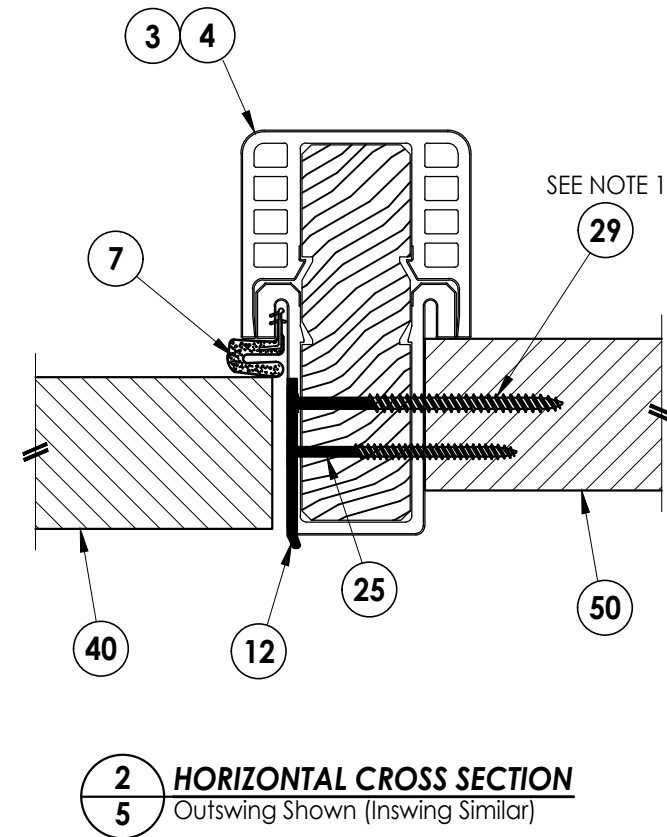
PRODUCT:		PART OR ASSEMBLY:	
ODL FIBERGLASS DOOR		ELEVATIONS	
		NO.	DATE
		BY	
		REVISIONS	

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EXTERIOR

INTERIOR



SEE NOTE 1

[illegible]

DATE: 12/10/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: *RW*

DRAWING NO.:

FL-46118.3

SHEET 5 OF 12

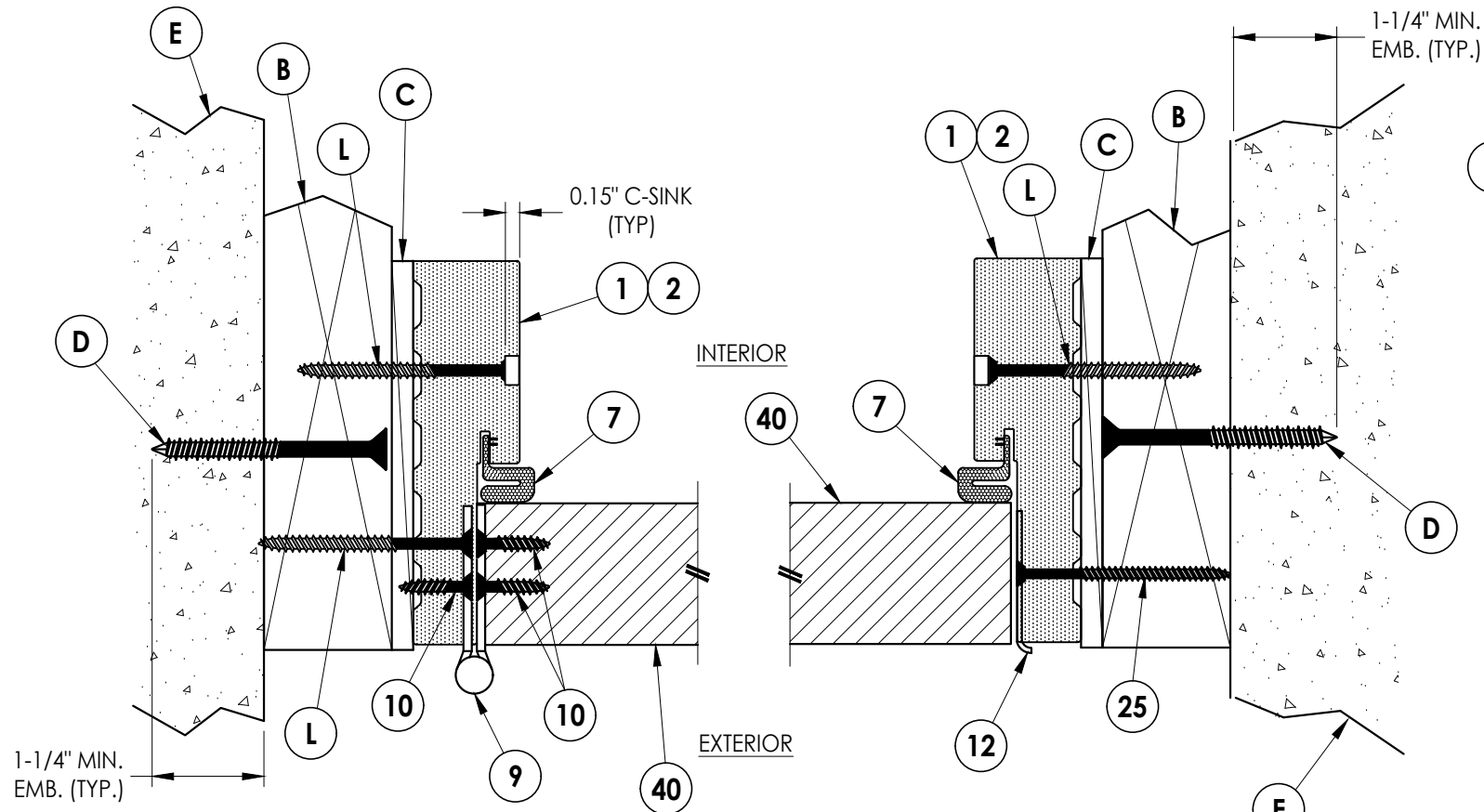
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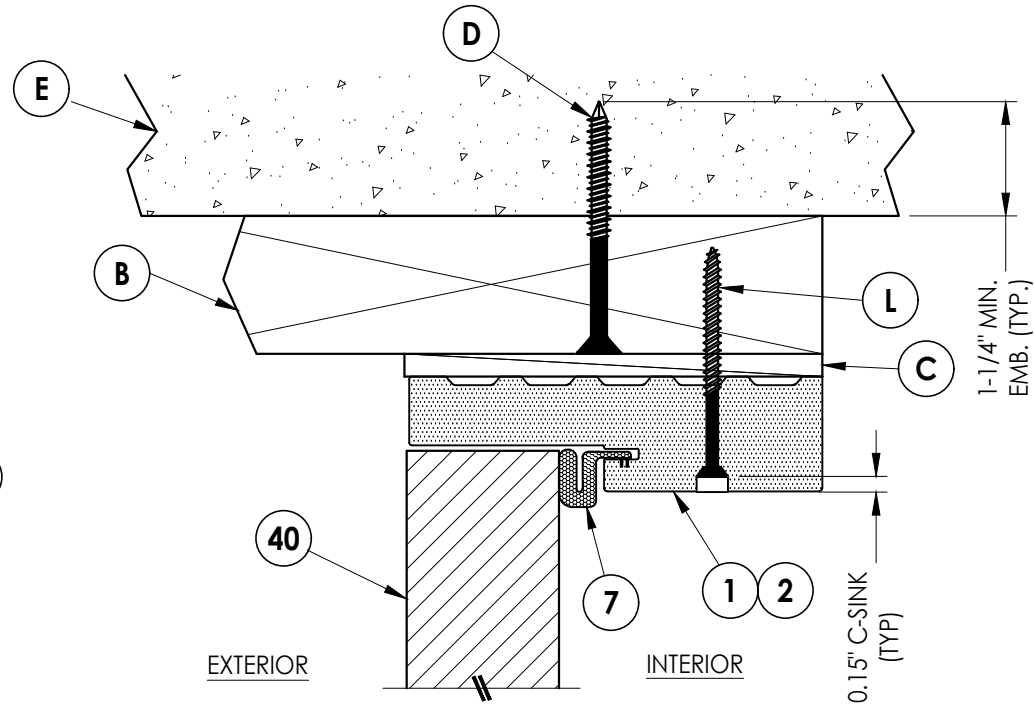
Notes:

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

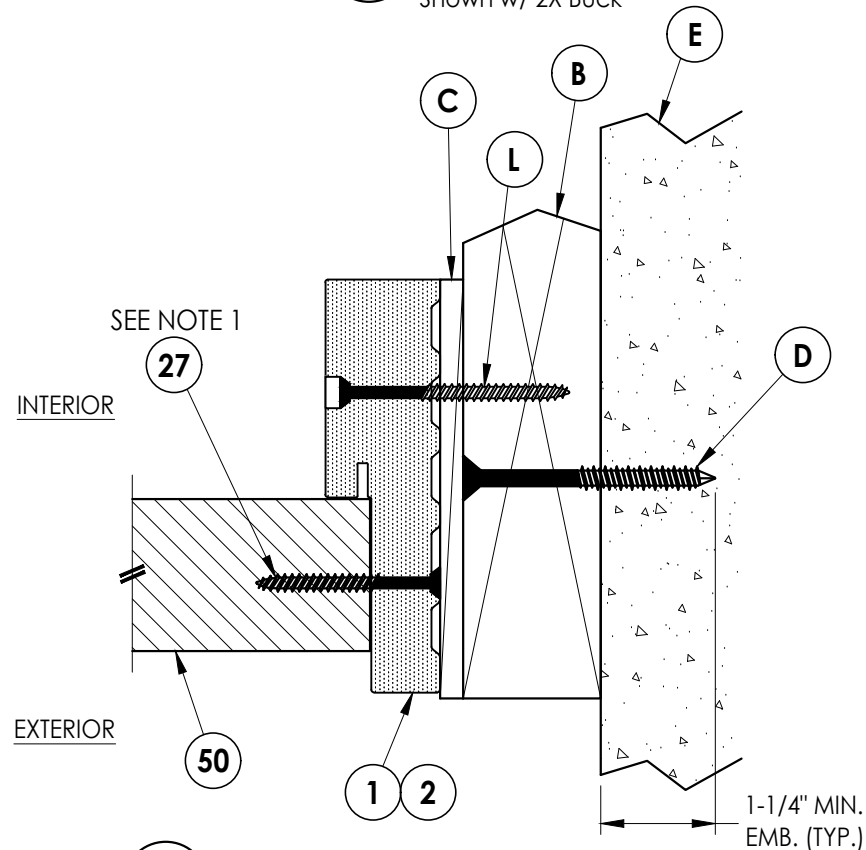


1
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

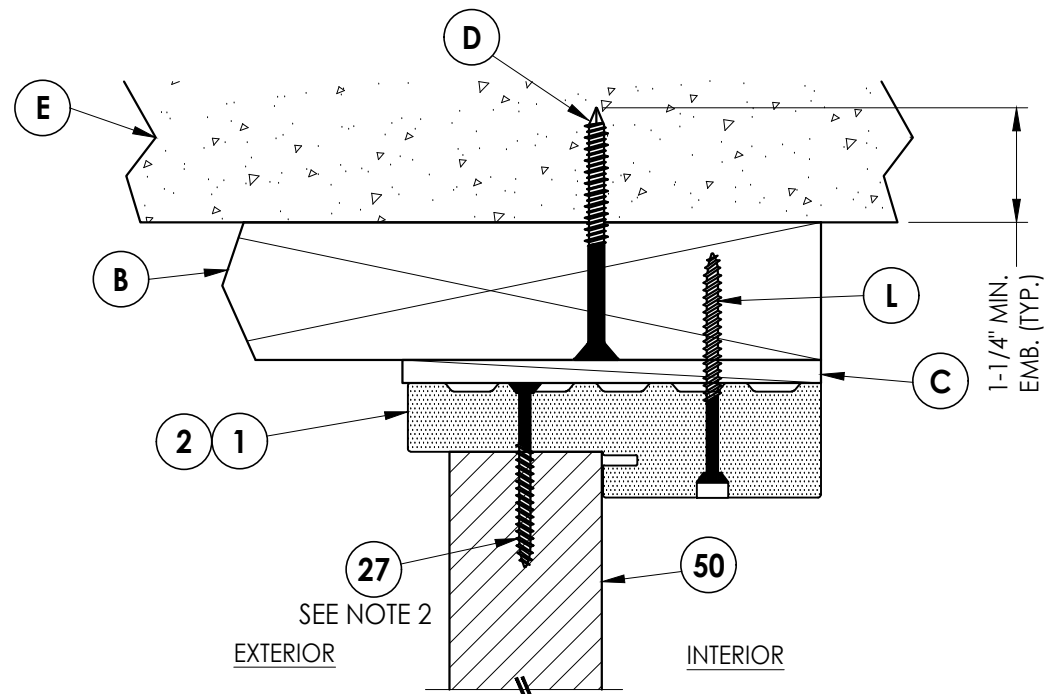
2
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



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



3
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



5
6 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

Notes:

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

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL
FIBERGLASS DOOR

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

NO.	DATE	BY	REVISIONS

DATE: 12/10/24

SCALE: N.T.S.

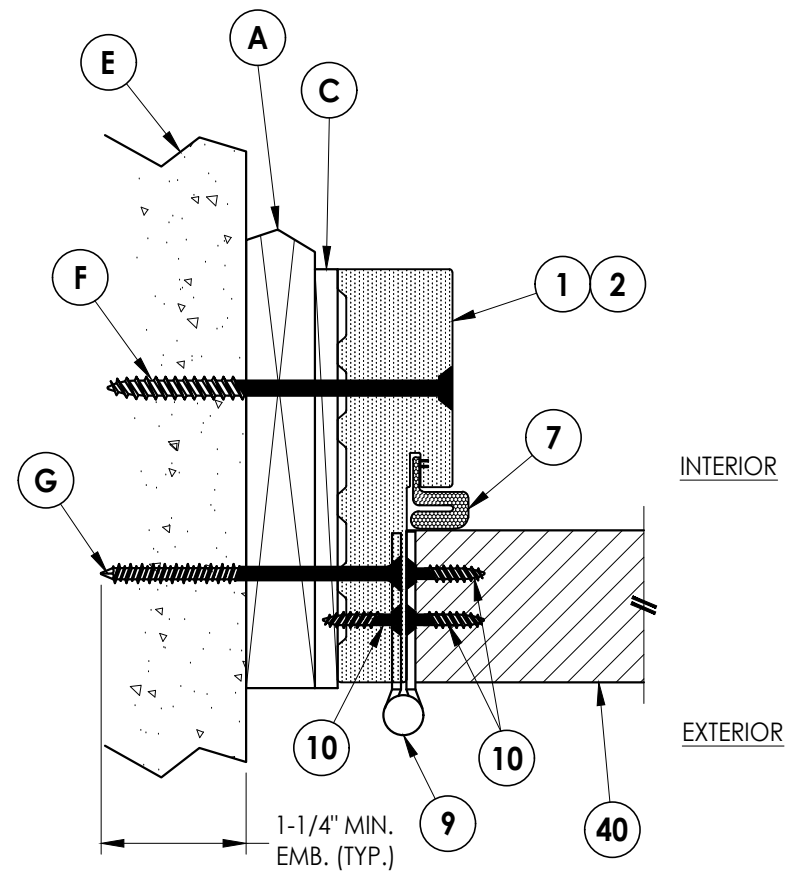
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CHK. BY: RW

DRAWING NO.:

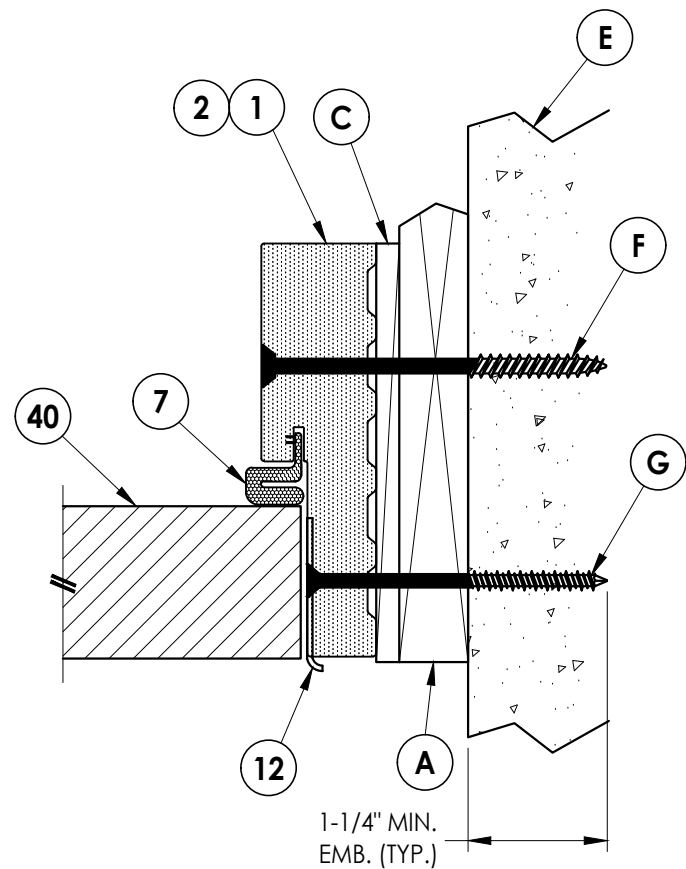
FL-46118.3

SHEET 6 OF 12



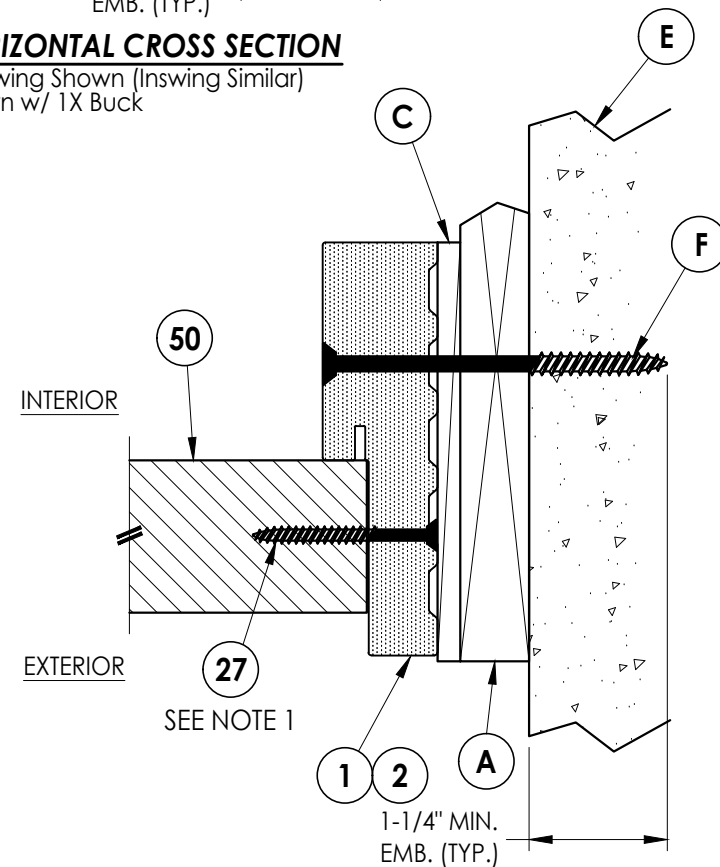
1 **HORIZONTAL CROSS SECTION**

7 Outswing Shown (Inswing Similar) Shown w/ 1X Buck

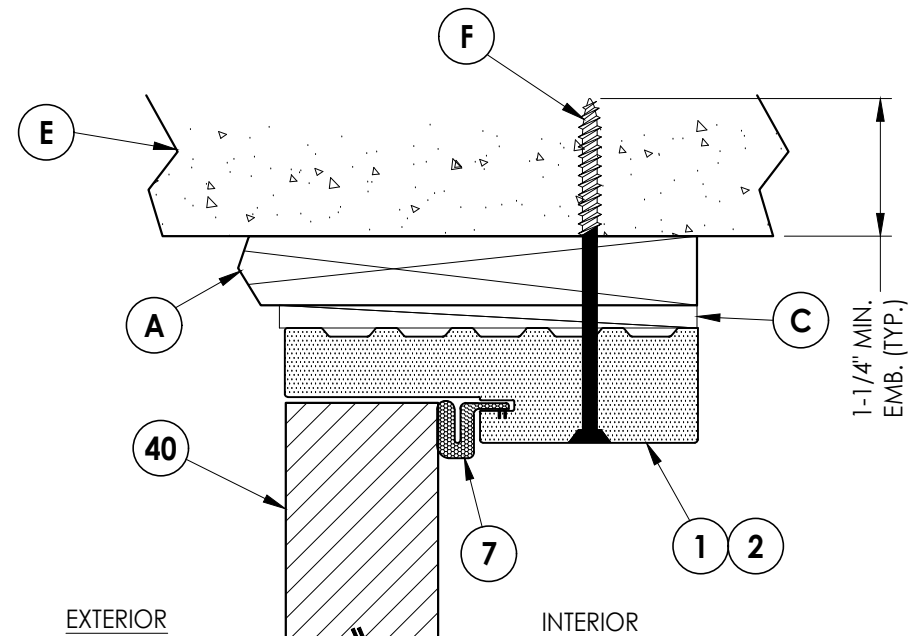


2 HORIZONTAL CROSS SECTION

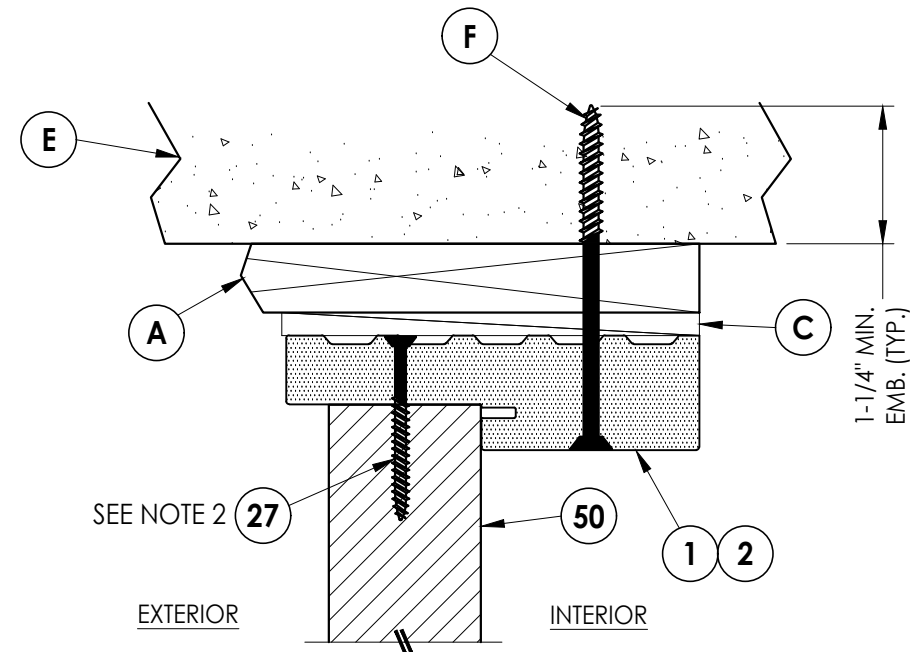
7 Outswing Shown (Inswing Similar) Shown w/ 1X Buck



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



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



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

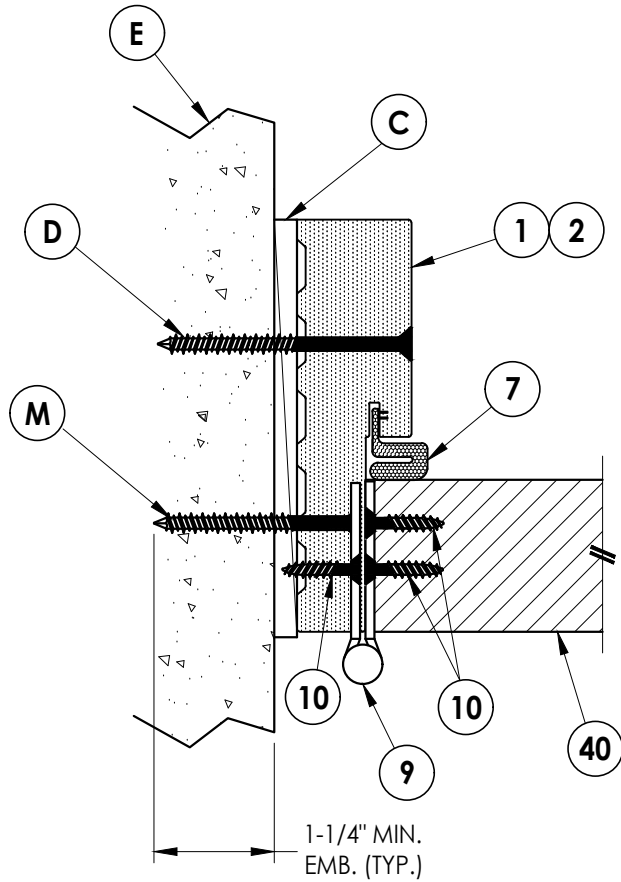
Notes:

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.

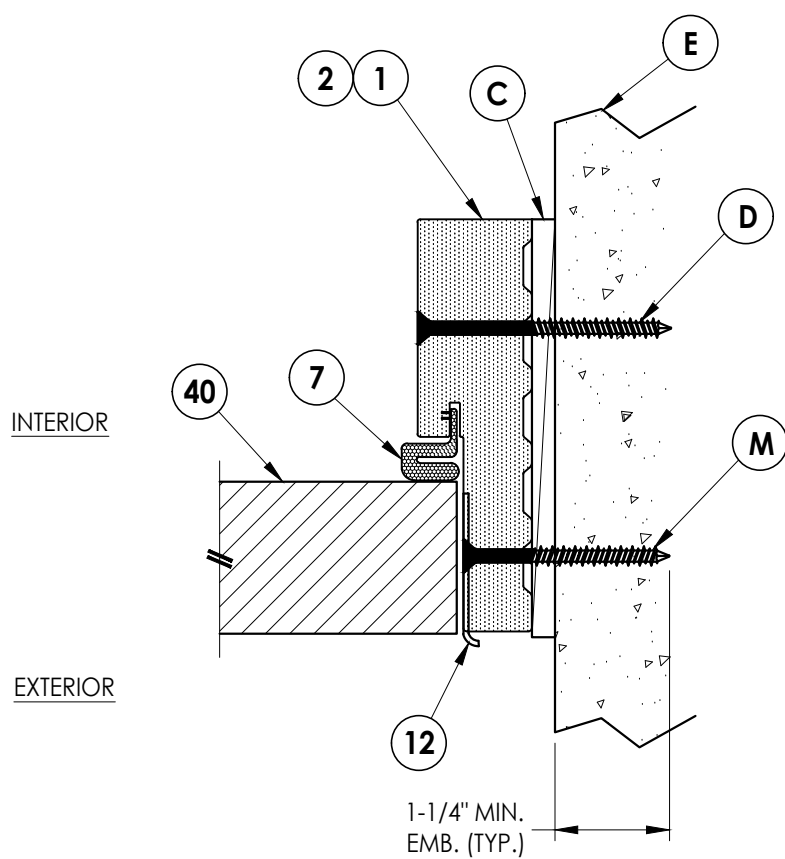
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

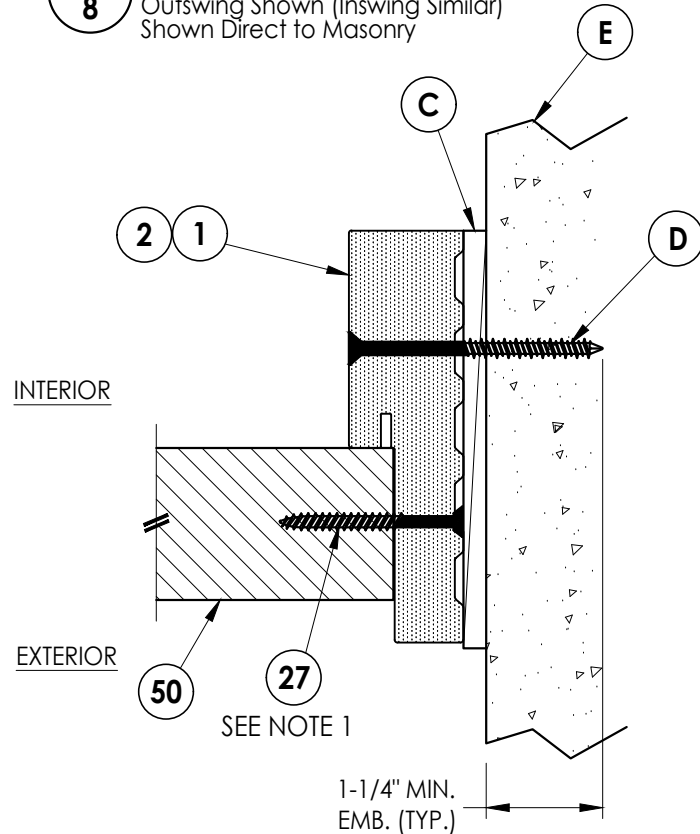
DATE: 12/10/24		REVISIONS NO. DATE BY	
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46118.3			
SHEET 7 OF 12		PRODUCT: ODL FIBERGLASS DOOR	
		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	



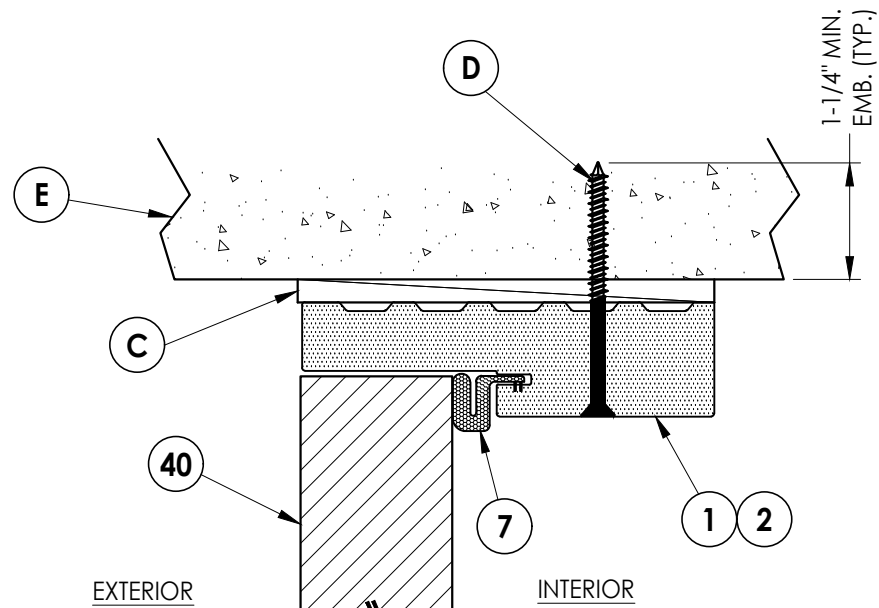
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



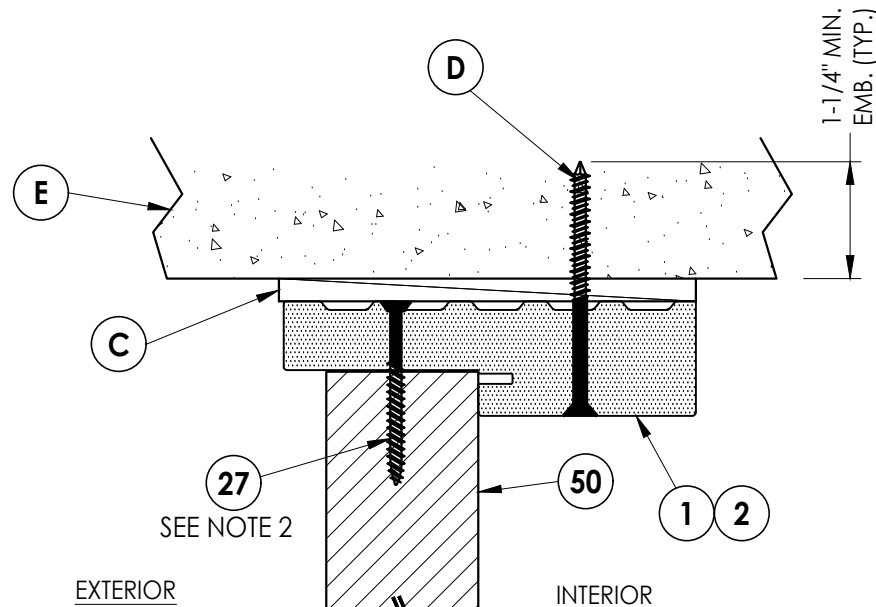
2
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



4
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



5
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

Notes:

- Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
- 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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P.E. No. 43409

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

PRODUCT: ODL
FIBERGLASS DOOR

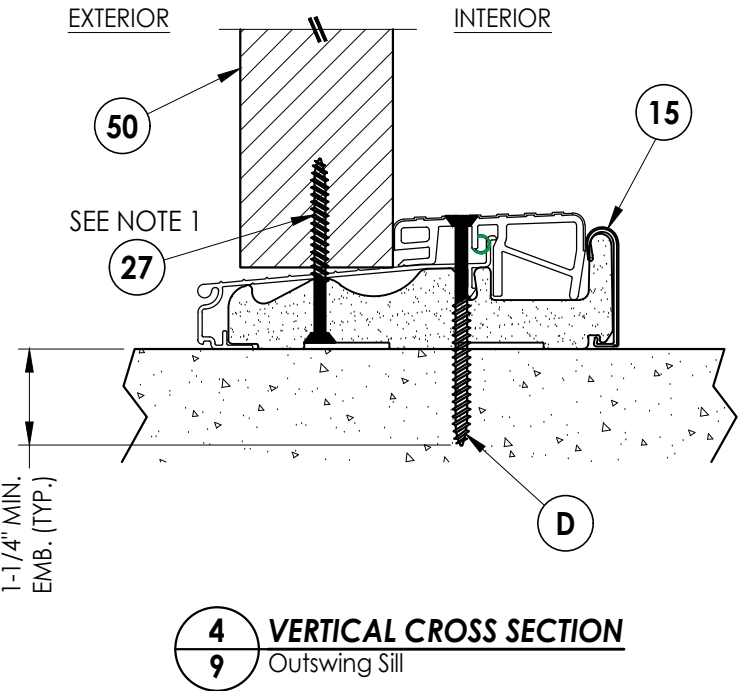
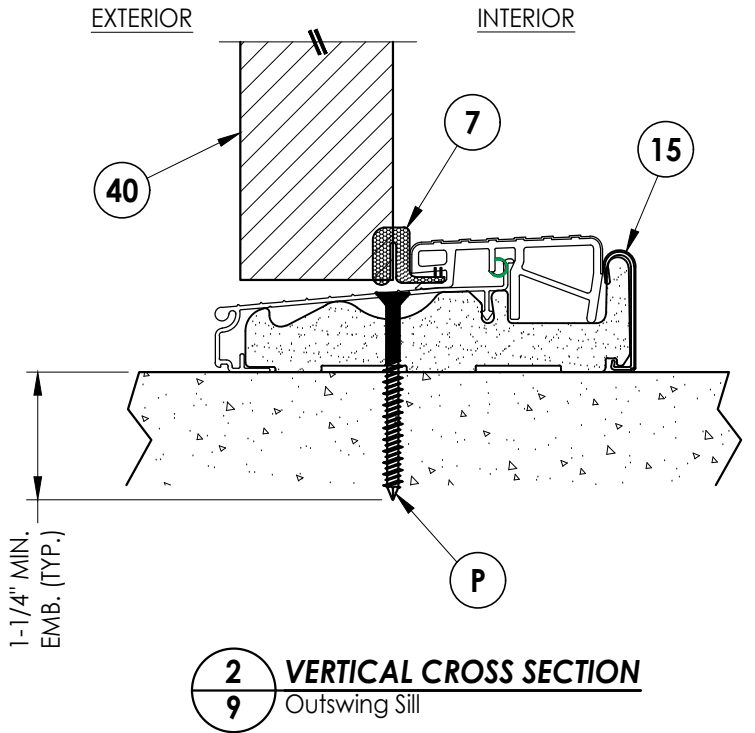
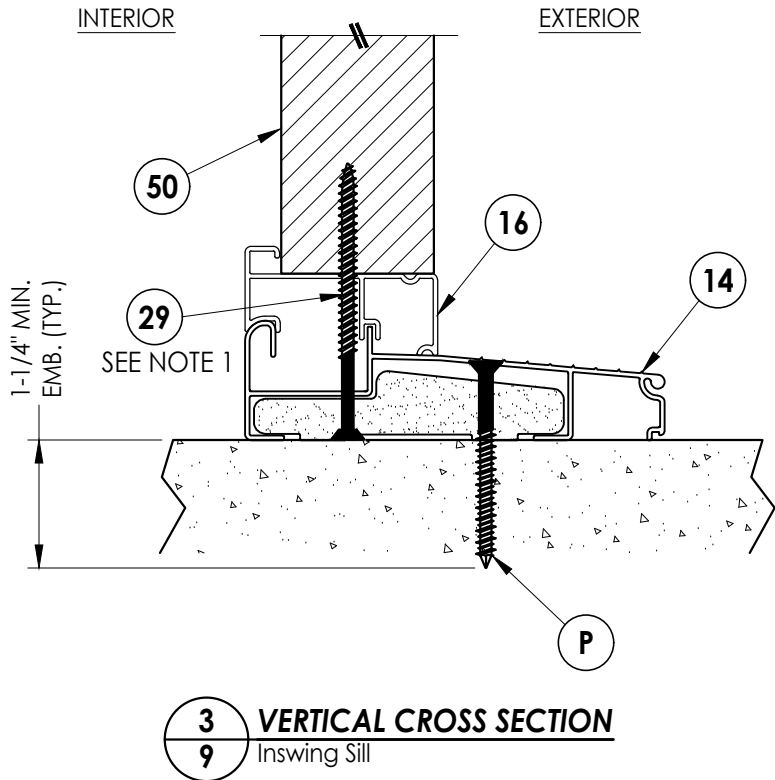
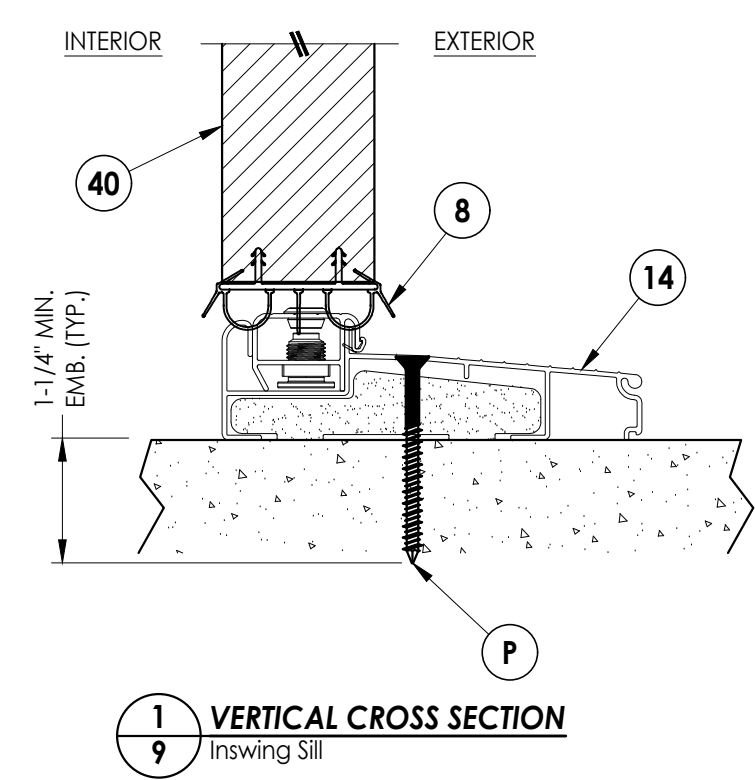
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

REVISIONS		NO.	DATE	BY

DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-46118.3
SHEET 8 OF 12

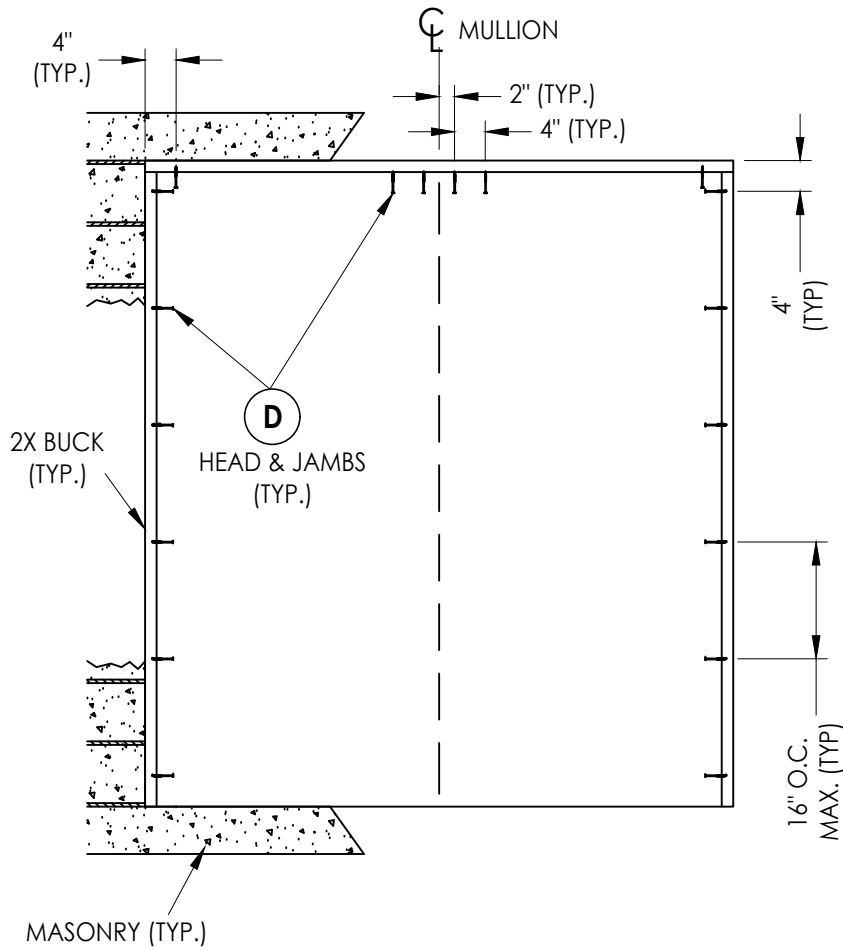
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Note:
1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

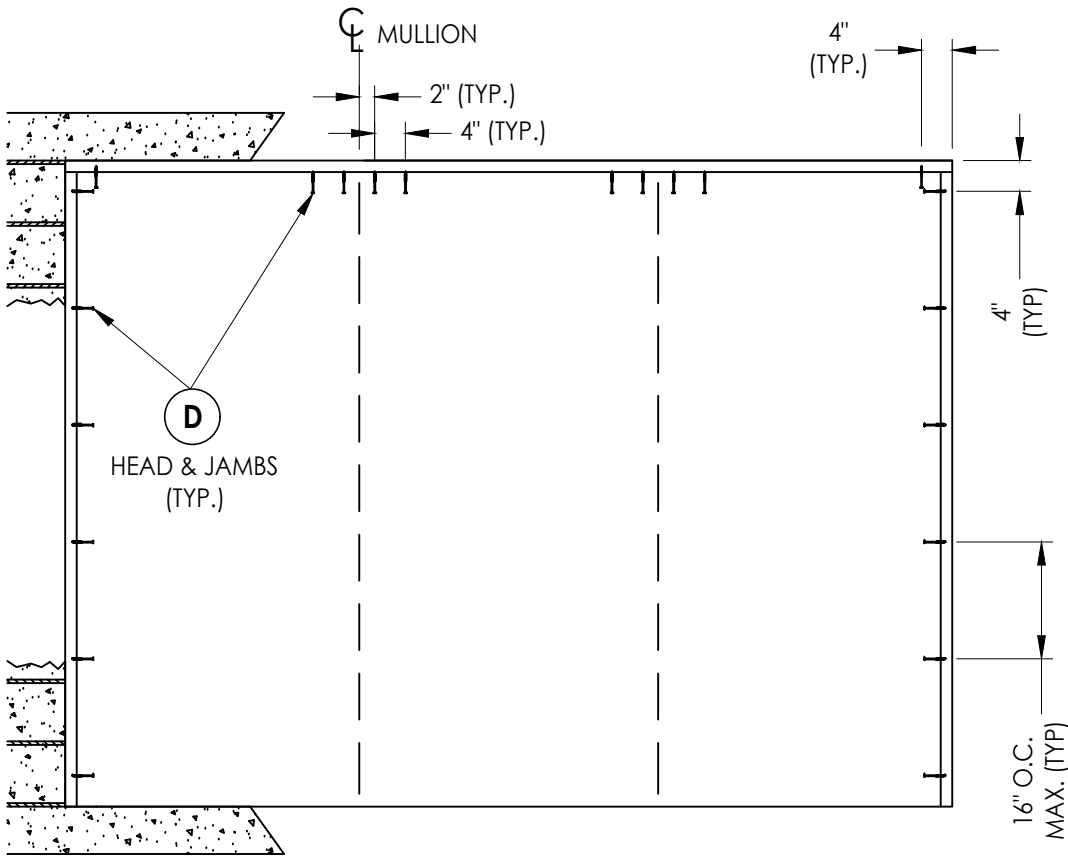


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	
			BY

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XO, OX



OXO, OOX, XOO

2X BUCK ANCHORING

DATE: 12/10/24

SCALE: N.T.S.

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CHK. BY: RW

DRAWING NO.:
FL-46118.3

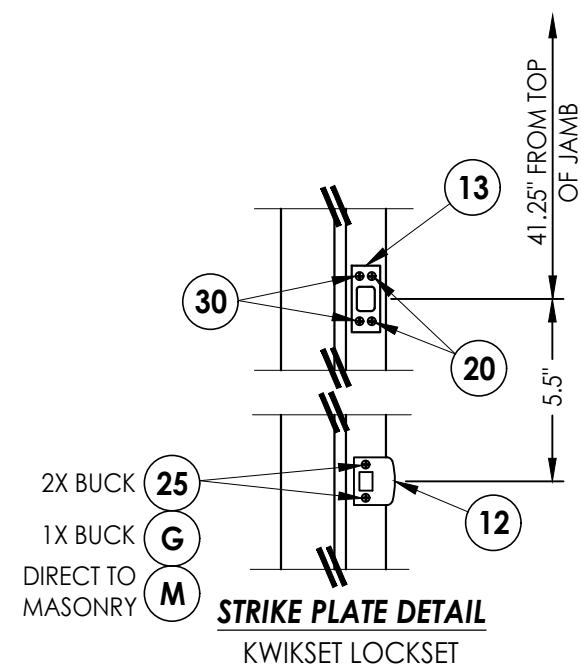
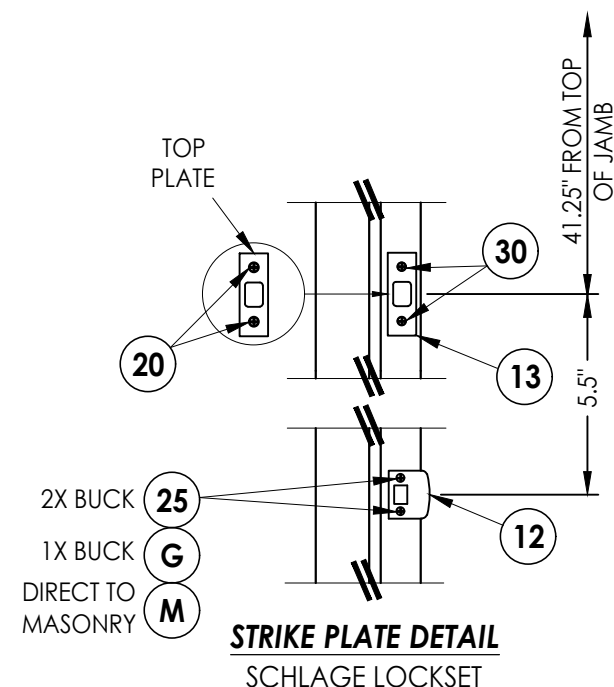
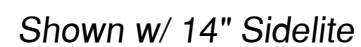
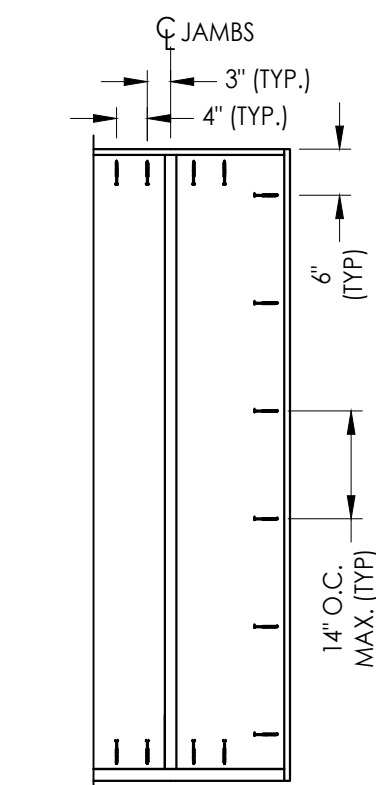
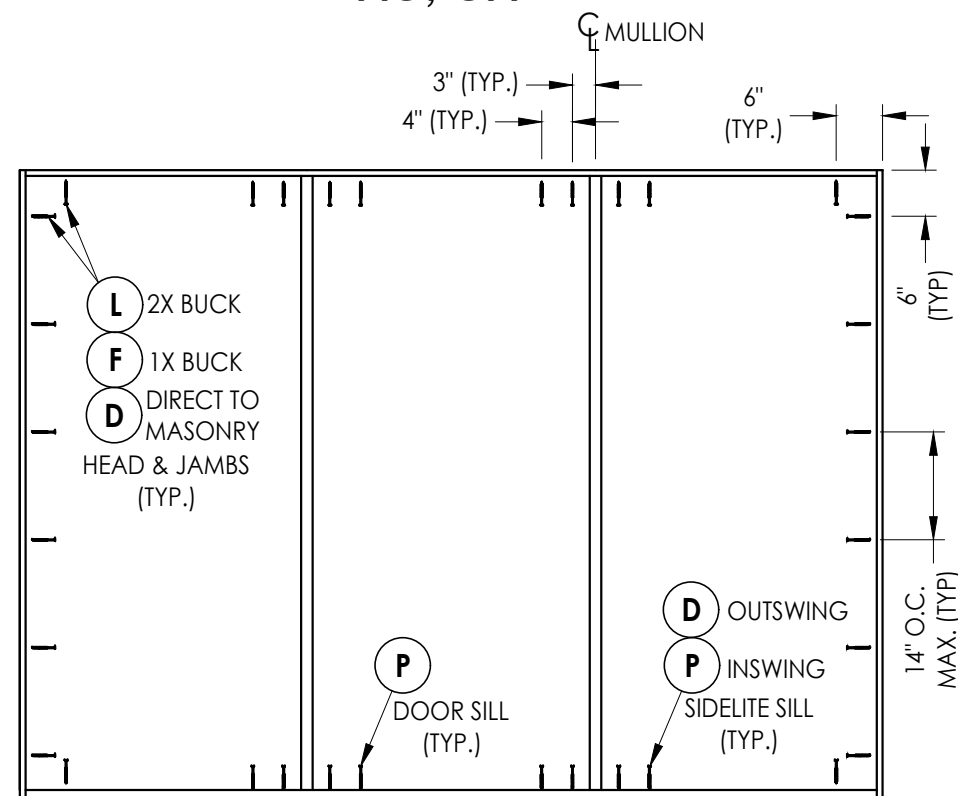
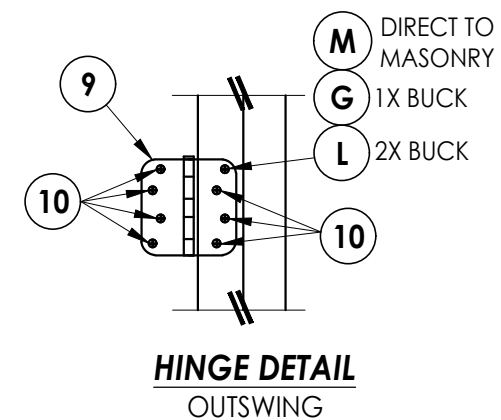
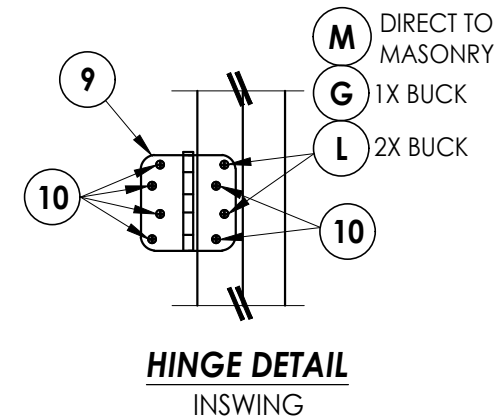
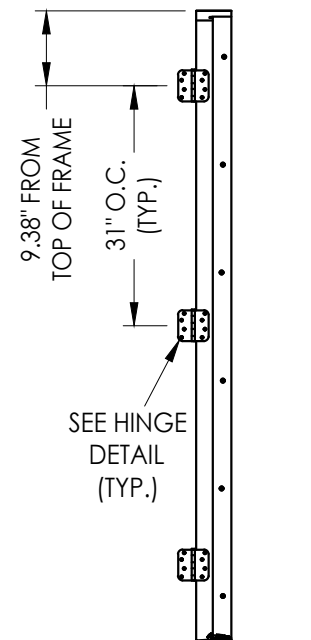
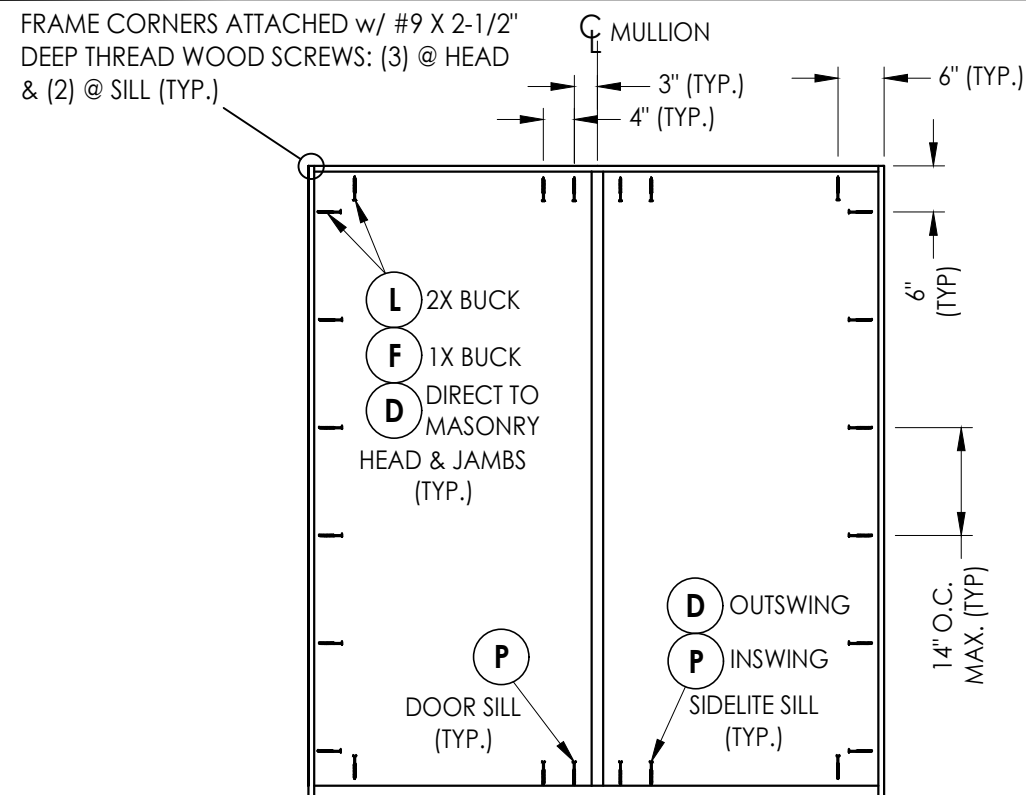
SHEET 10 OF 12

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

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



HARDWARE DETAILS

[illegible]

Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.3.dwg

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 (WORLDWIDE OR PLASTPRO)	COMP
2	WOOD JAMB (FJ PINE OR PLASTPRO)	WOOD
3	COMPOSITE MULLION (ENDURA OR PLASTPRO)	PVC/WOOD
4	WOOD MULLION (PINE OR ENDURA)	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 SIDELITE BASE	ALUM
20	#8 X 1/2" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
29	#10 X 3" FH COMPOSITE DECK SCREW	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

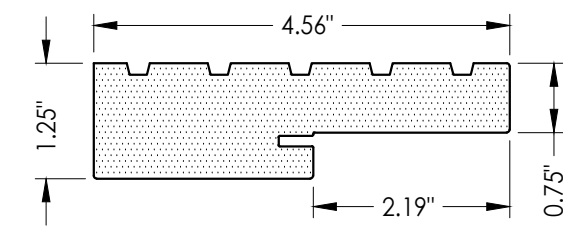
CONCRETE ANCHOR NOTES:

- 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:

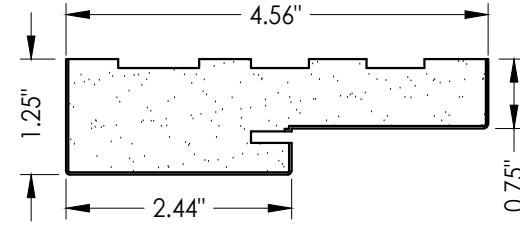
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

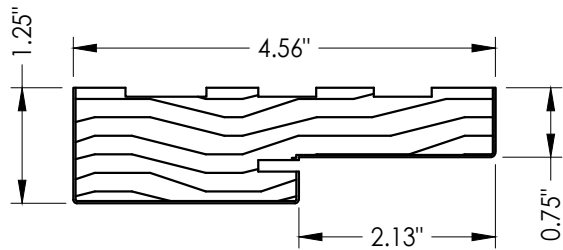
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



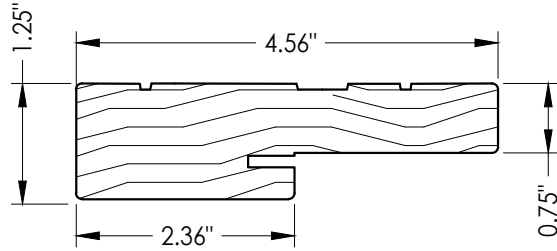
1 COMPOSITE JAMB
WORLDWIDE 4EVER COMPOSITE FRAME



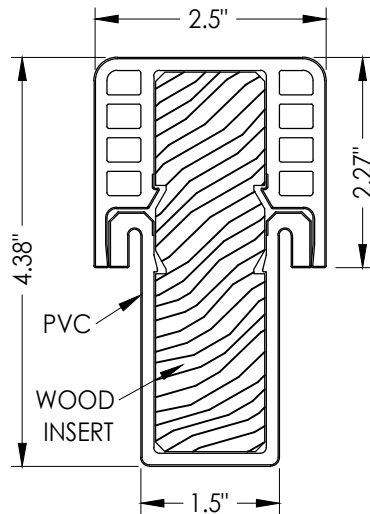
1 COMPOSITE JAMB
PLASTPRO POLY FIBER JAMB



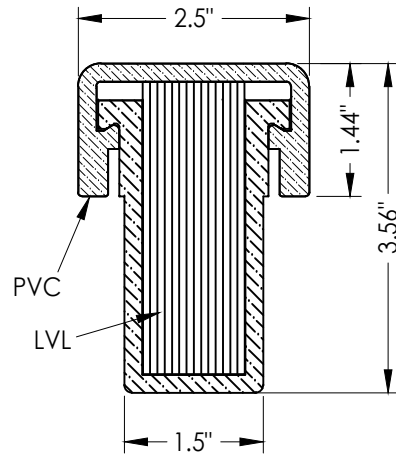
2 WOOD JAMB
FINGER JOINTED PINE



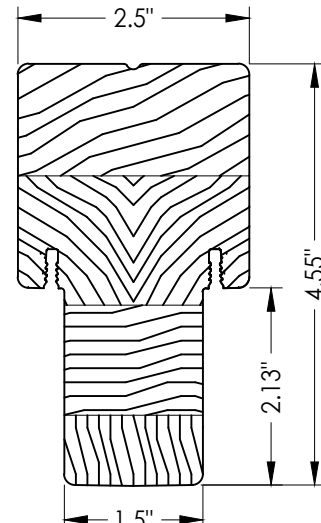
2 WOOD JAMB
ENDURA FrameSaver



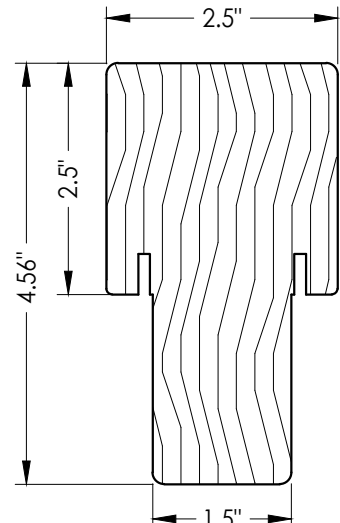
3 COMPOSITE MULLION
ENDURA FUSION
w/ PVC Boot



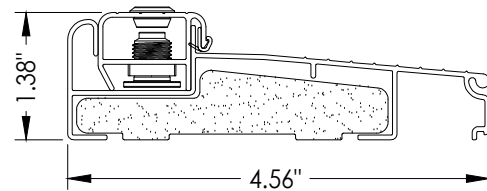
3 COMPOSITE MULLION
PLASTPRO (3-Piece)
w/ PVC Boot



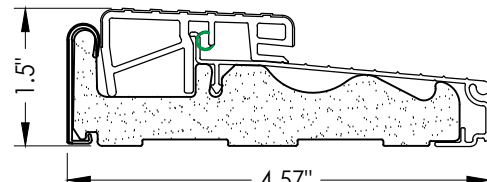
4 WOOD MULLION
PINE



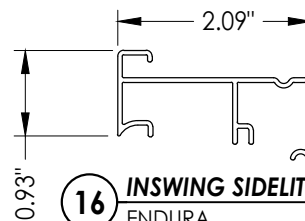
4 WOOD MULLION
ENDURA FrameSaver



14 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



15 OUTSWING THRESHOLD
ENDURA Z SERIES



16 INSWING SIDELITE BASE
ENDURA

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

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 12/10/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46118.3

SHEET 12 OF 12