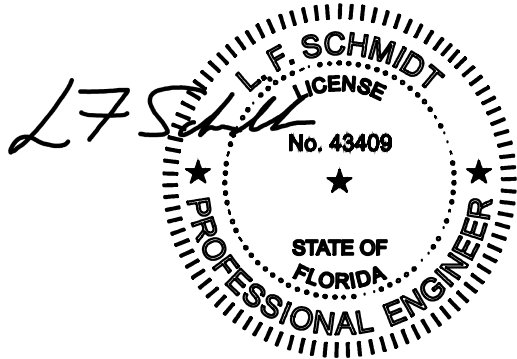




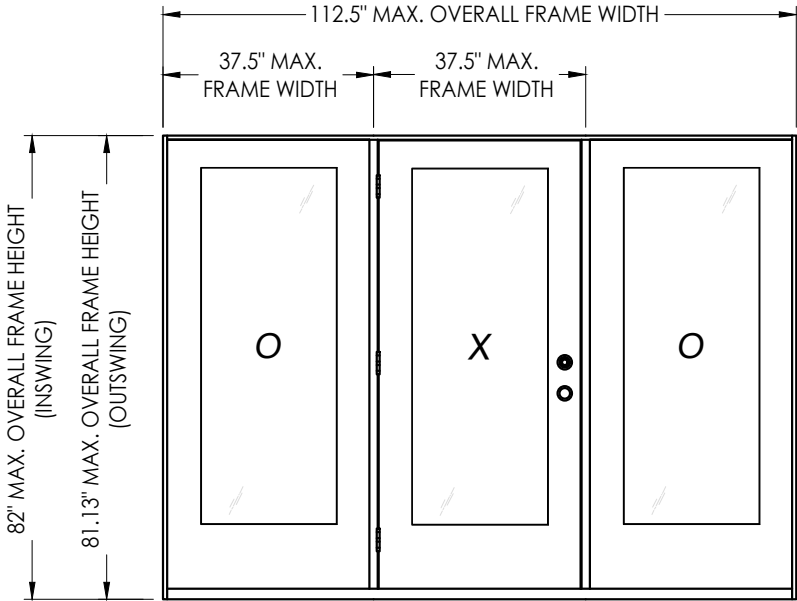
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

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

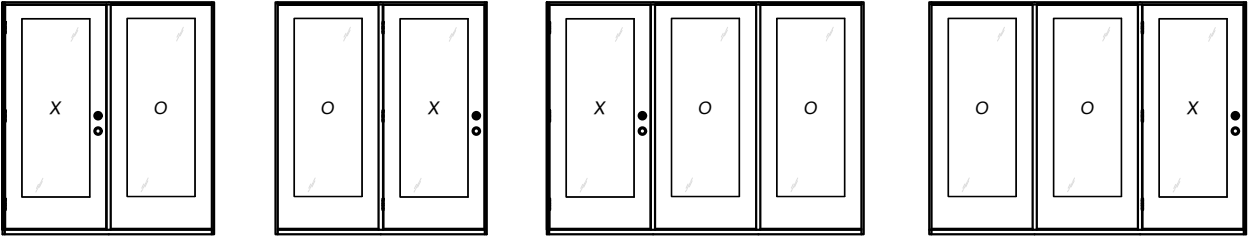


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



OXO
CONTINUOUS HEAD & SILL



XO, OX OX, XO XOO, OOX OOX, XOO

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 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	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	7	Horizontal & Vertical Cross Sections (1X Buck)
2	Door Panel Details	8	Horizontal & Vertical Cross Sections (Direct to Masonry)
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

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

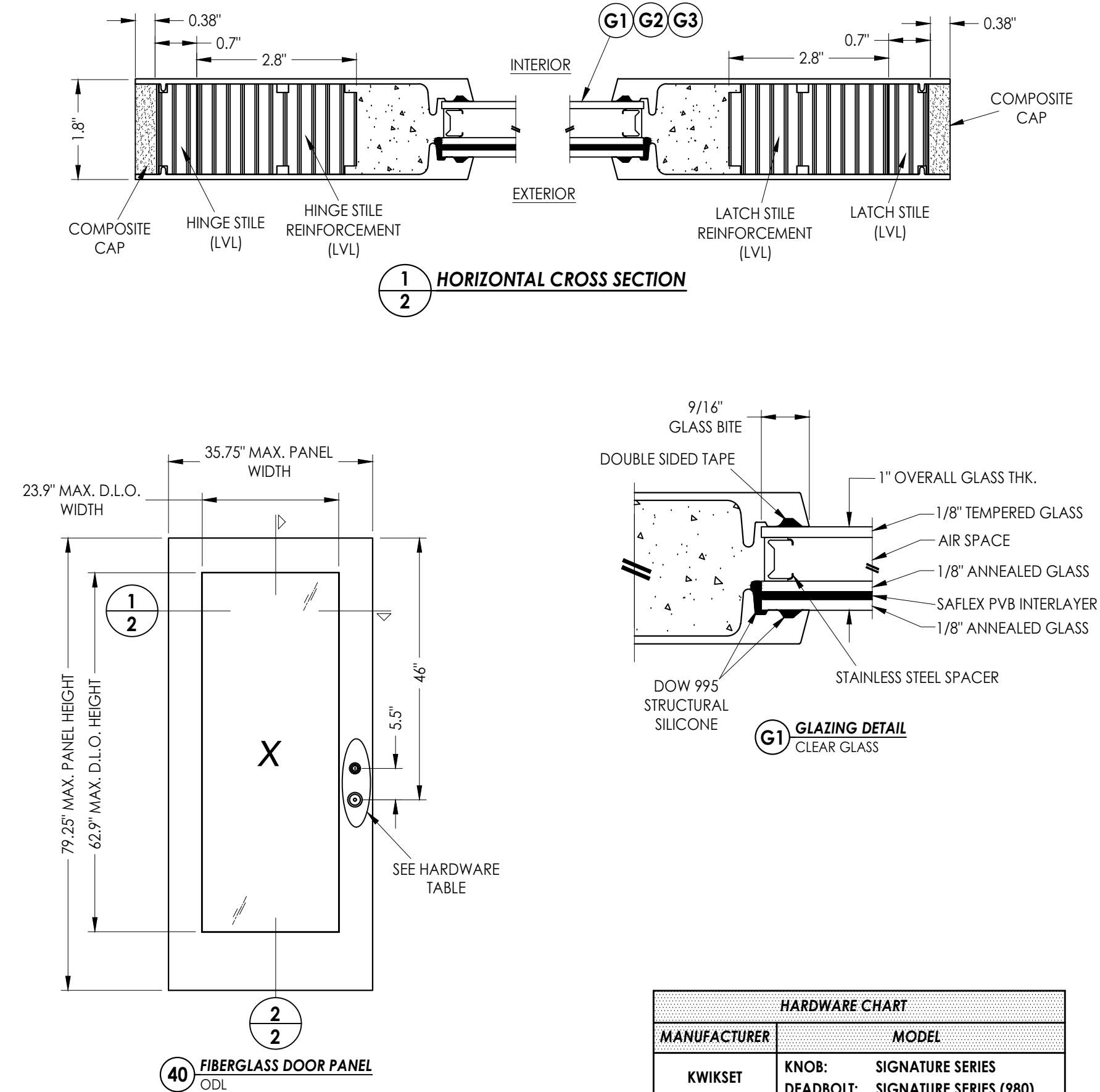
PRODUCT: ODL FIBERGLASS DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS			
NO.	DATE	BY	

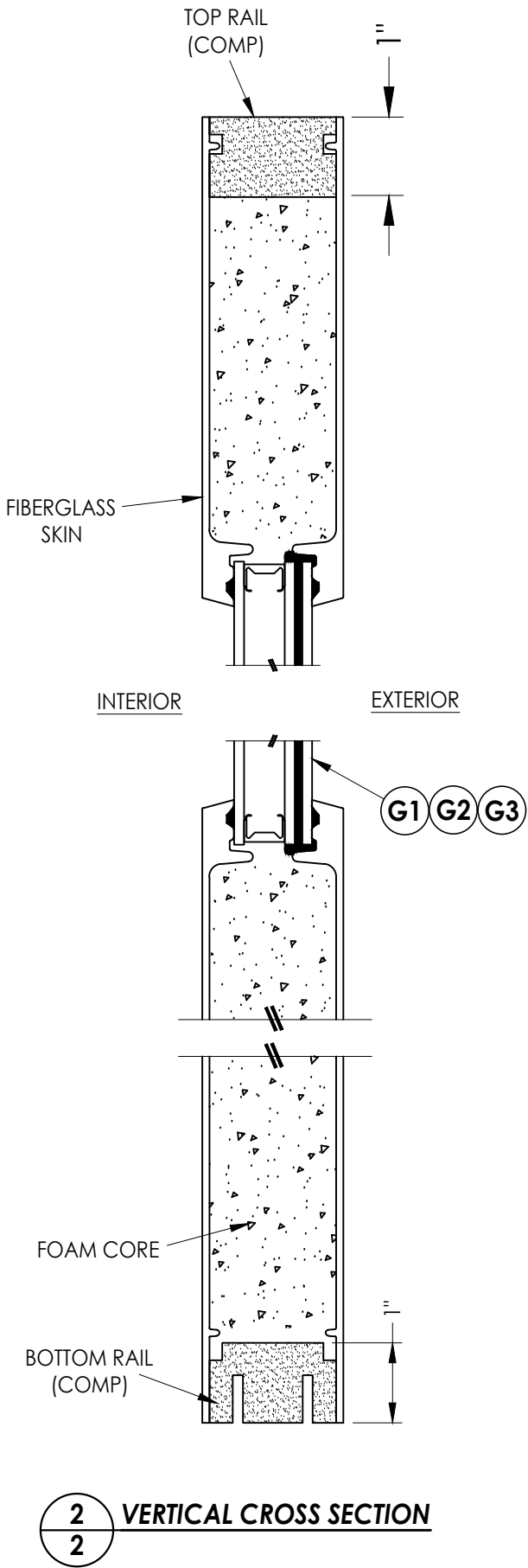
DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.8
SHEET 1 OF 12

Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.8.dwg

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



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



DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.8
SHEET 2 OF 12

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR
PANEL DETAILS

Documents Prepared By:
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FBPE Registry No. 9813

1.75"

0.38"

0.7"

COMPOSITE CAP

STILE (LVL)

G1 G2 G3

INTERIOR

EXTERIOR

2

3

HORIZONTAL CROSS SECTION

79.25" MAX. PANEL HEIGHT

23.9" MAX. D.L.O. WIDTH

35.75" MAX. PANEL WIDTH

13.875" PANEL WIDTH

5.9" D.L.O. WIDTH

62.9" MAX. D.L.O. HEIGHT

1

3

2

3

3

3

50 **FIBERGLASS SIDELITE PANEL**
ODL

The diagram illustrates a vertical cross-section of a composite structure. It features a central core labeled "FOAM CORE" surrounded by a "FIBERGLASS SKIN". The structure is divided into two main sections: "INTERIOR" on the left and "EXTERIOR" on the right. Key components include the "TOP RAIL (COMP)" at the top and the "BOTTOM RAIL (COMP)" at the bottom. A vertical dimension line on the right indicates a height of "1". A circular callout on the right side contains the labels "G1", "G2", and "G3".

ALTERNATE GLAZING DETAILS

A cross-sectional diagram of a double-glazed unit. The diagram shows two glass panes separated by a grid insert. The top pane is labeled "1/8\" TEMPERED GLASS". Below it is an "AIR SPACE". The grid insert is labeled "GRID INSERT". Below the grid is another "1/8\" ANNEALED GLASS" pane. Below this is a "SAFLEX PVB INTERLAYER", followed by another "1/8\" ANNEALED GLASS" pane. On the left side, an "INTERCEPT SPACER" is shown. A vertical dimension line on the right indicates the total thickness of the unit is "1\" OVERALL GLASS THK.".

1" OVERALL GLASS THK.

1/8" TEMPERED GLASS

AIR SPACE

GRID INSERT

1/8" ANNEALED GLASS

SAFLEX PVB INTERLAYER

1/8" ANNEALED GLASS

INTERCEPT SPACER

G2 **GLAZING DETAIL**
GRIDS BETWEEN GLASS

G2 **GLAZING DETAIL**
GRIDS BETWEEN G

1" OVERALL GLASS THK.

1/8" TEMPERED GLASS

AIR SPACE

DECORATIVE INSERT

1/8" ANNEALED GLASS

SAFLEX PVB INTERLAYER

1/8" ANNEALED GLASS

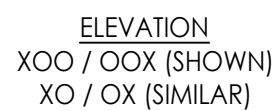
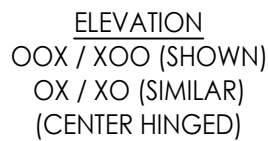
DURASEAL™
(BY TRUSEAL TECHNOLOGIES)

G3 GLAZING DETAIL
DECORATIVE

G3 GLAZING DETAIL

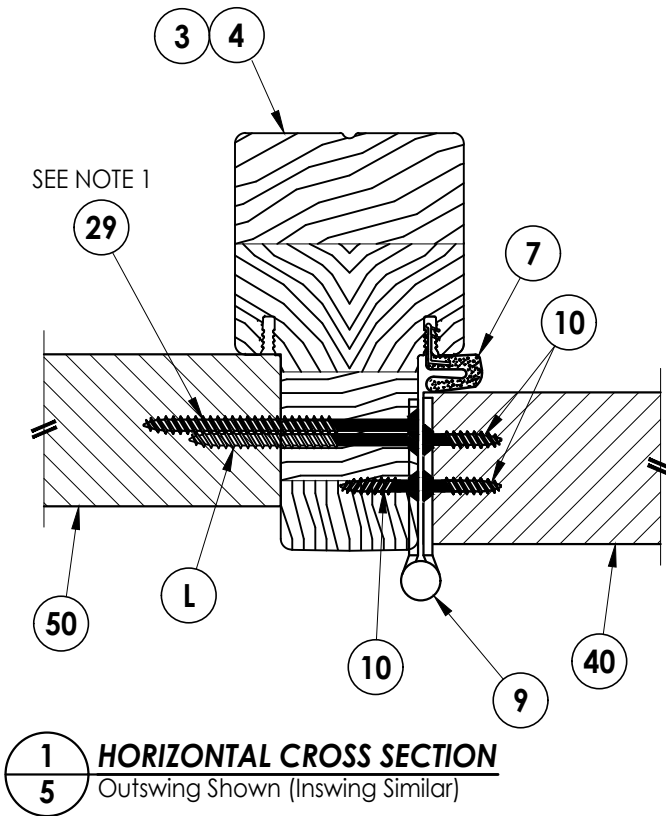
DECORATIVE

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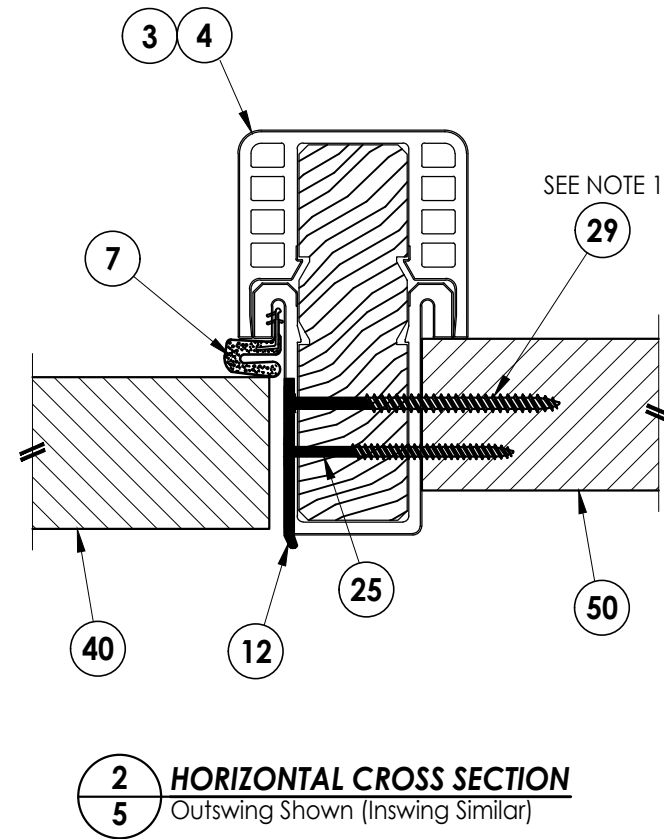
Documents Prepared By:
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Phone No.: 813.659.9197
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EXTERIOR

INTERIOR



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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
CROSS SECTIONS**

DATE: 12/10/24

SCALE: N.T.S.

DWG. BY: *LFS*

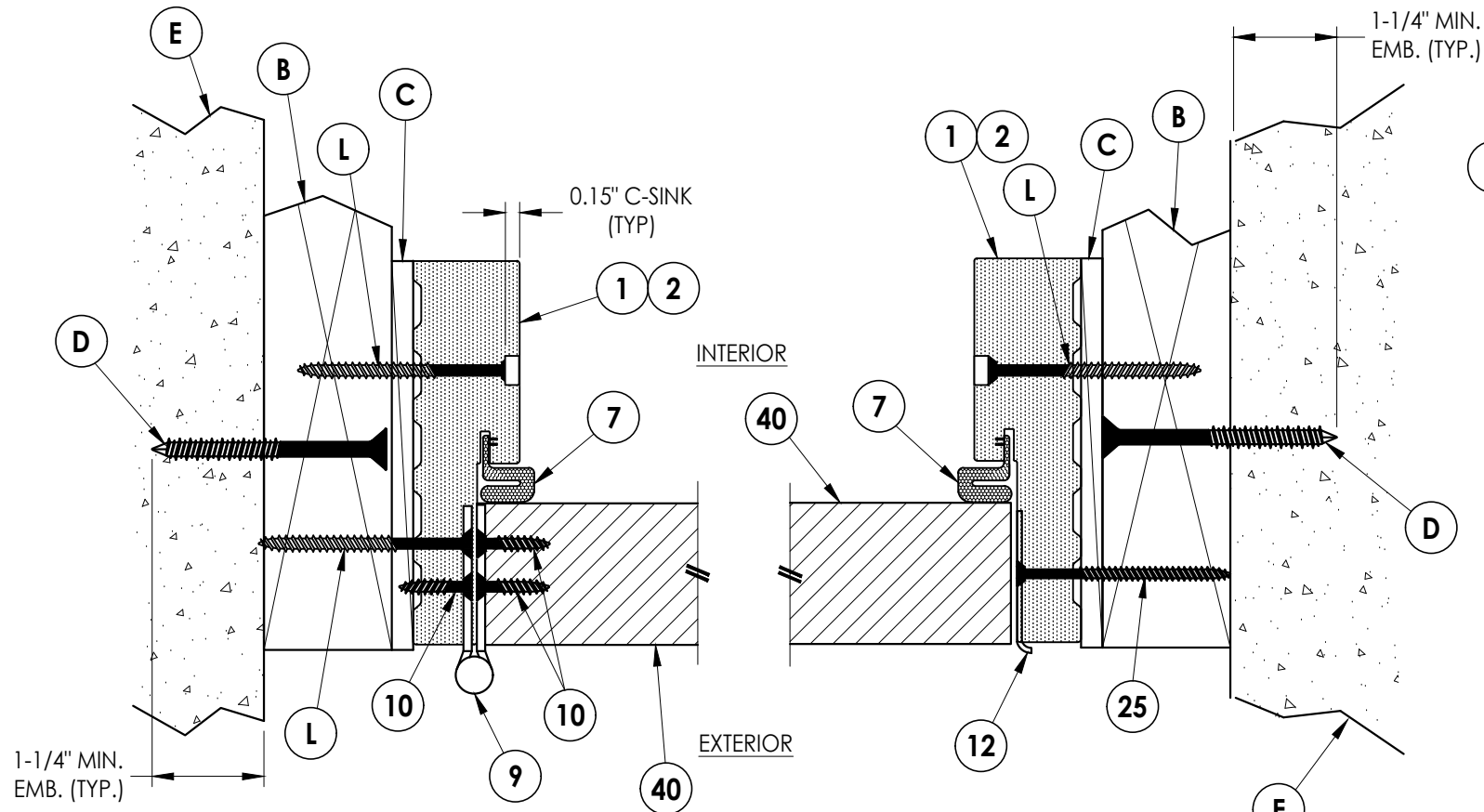
CHK. BY: *RW*

DRAWING NO.:

FL-46118.8

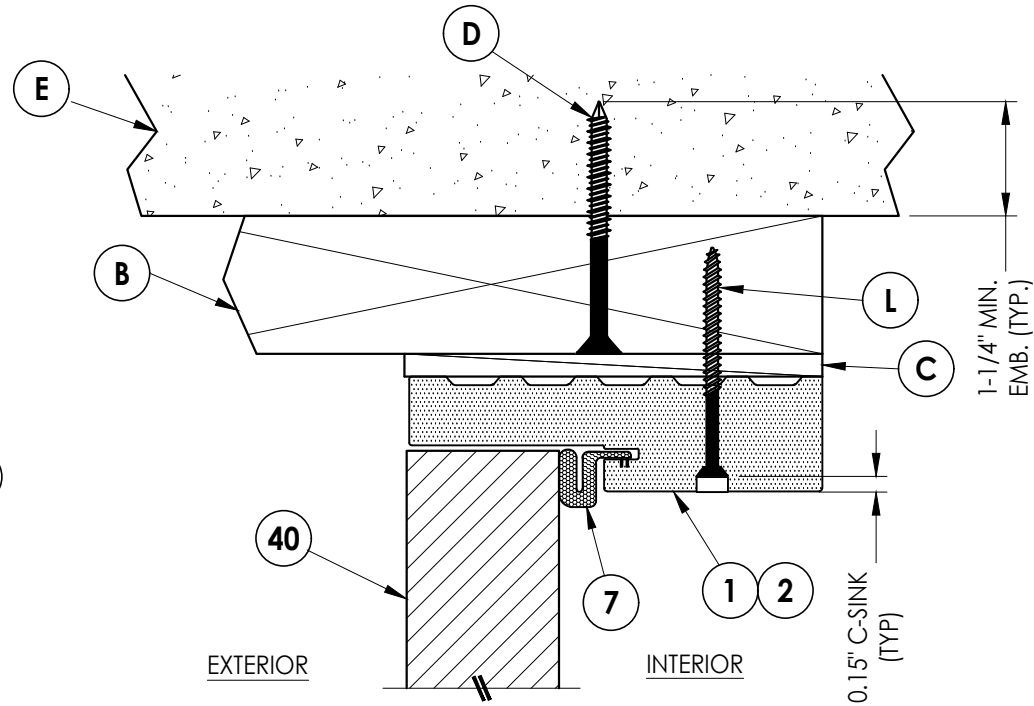
SHEET 5 OF 12

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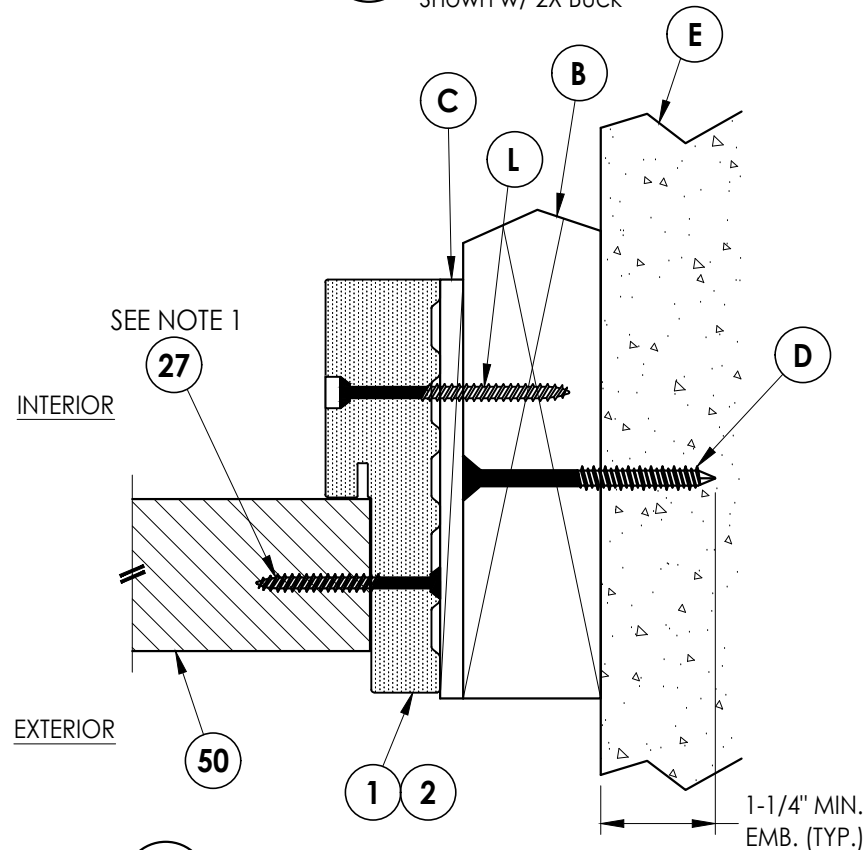


1
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

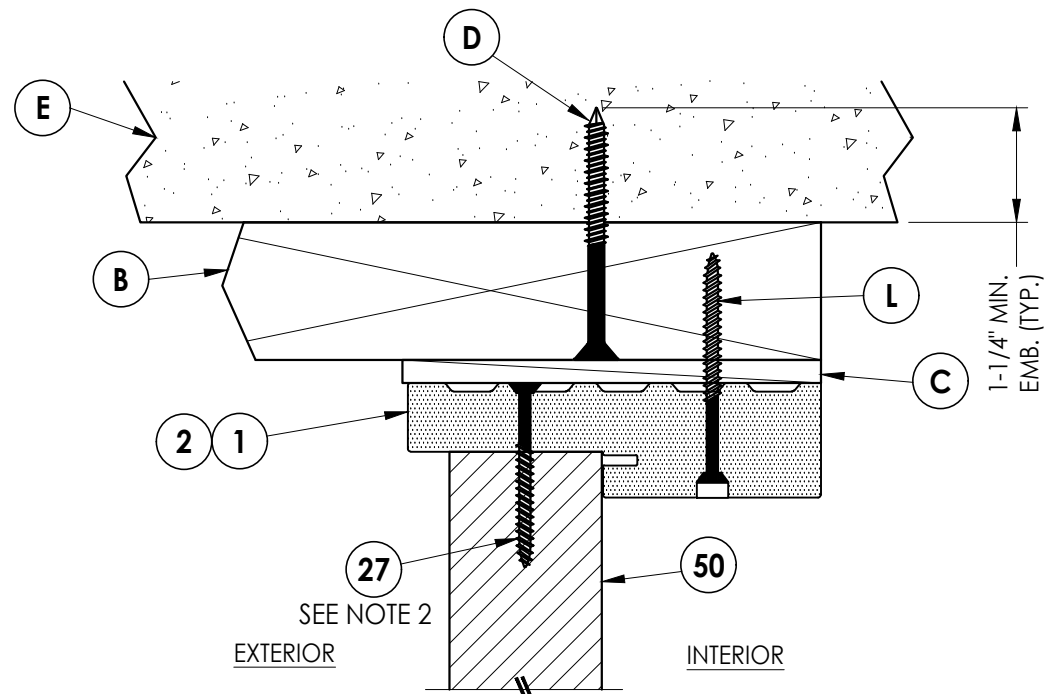
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6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



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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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 (2X BUCK)

NO.	DATE	BY	REVISIONS

DATE: 12/10/24

SCALE: N.T.S.

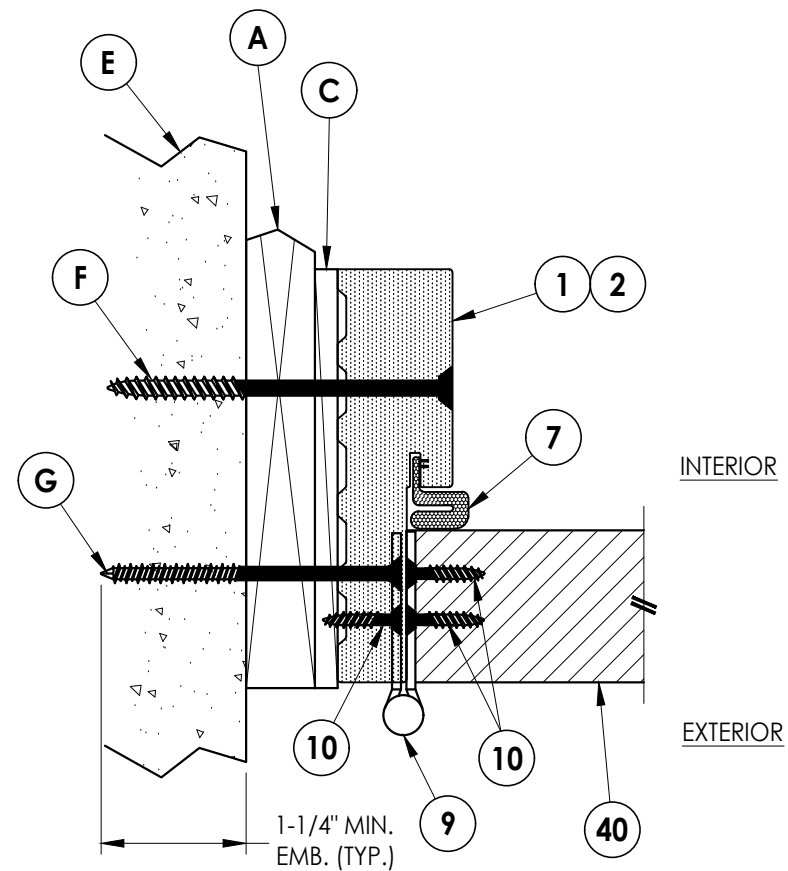
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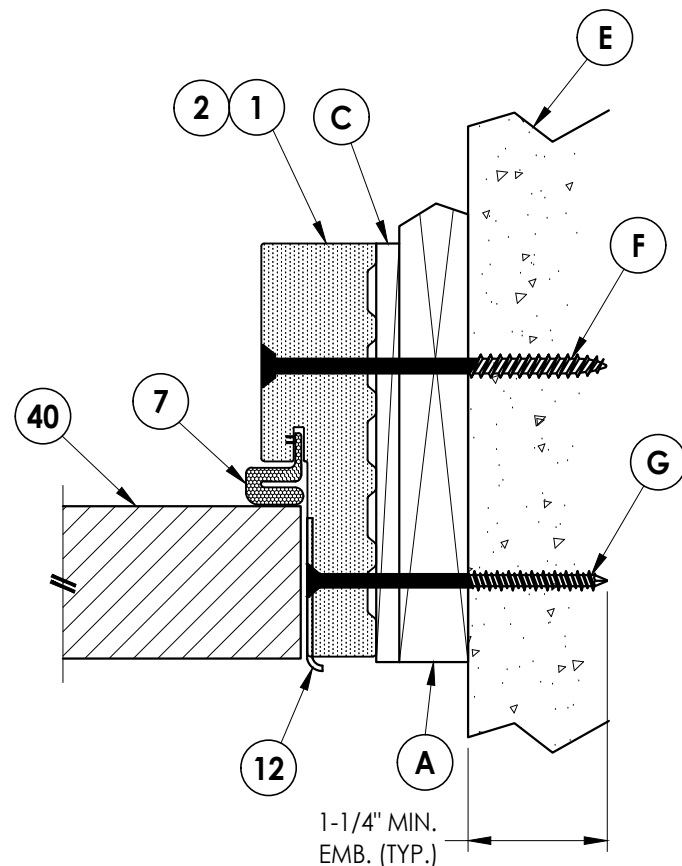
FL-46118.8

SHEET 6 OF 12

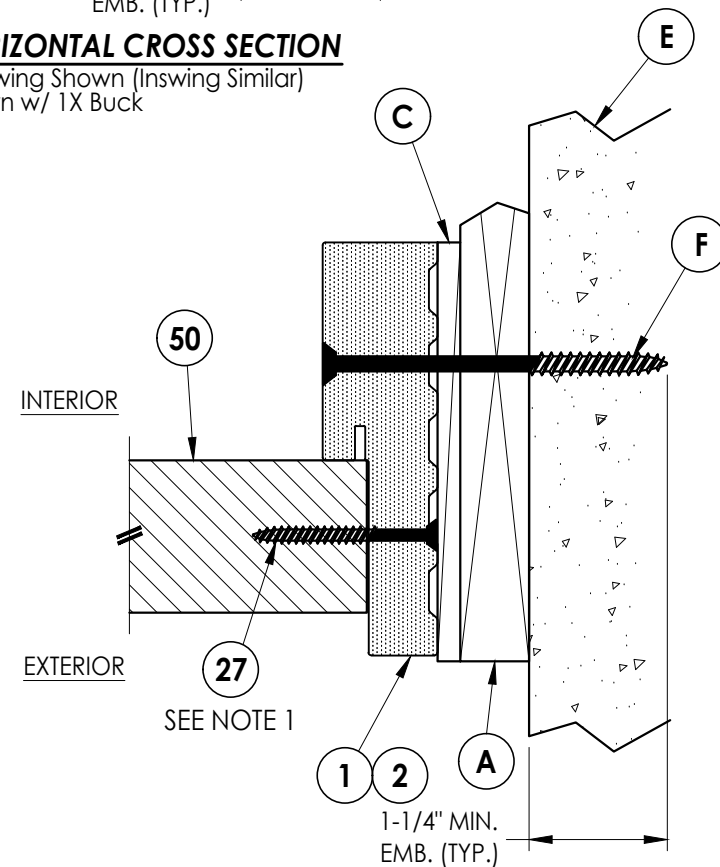


1 7 **HORIZONTAL CROSS SECTION**

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

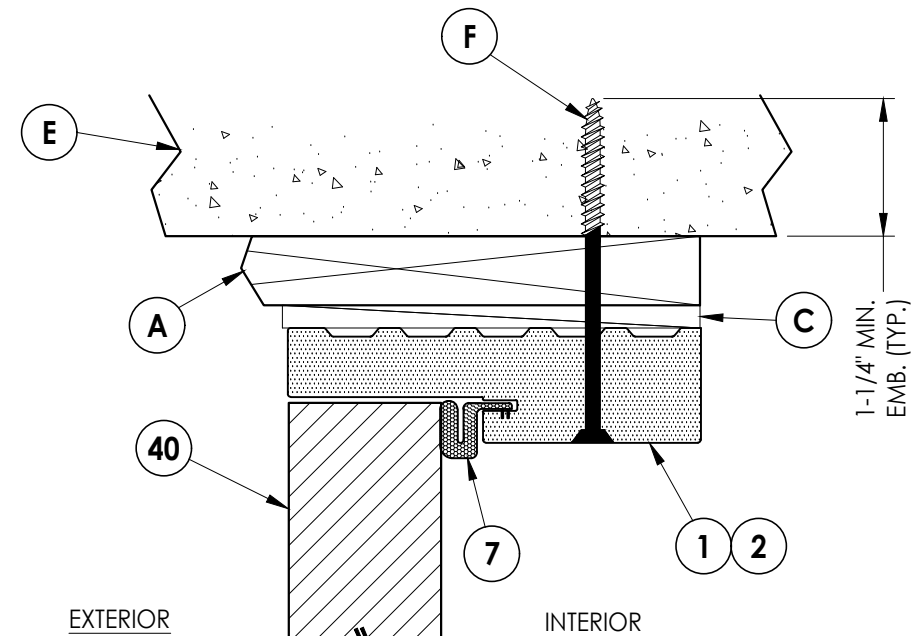


2 **HORIZONTAL CROSS SECTION**
7 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck

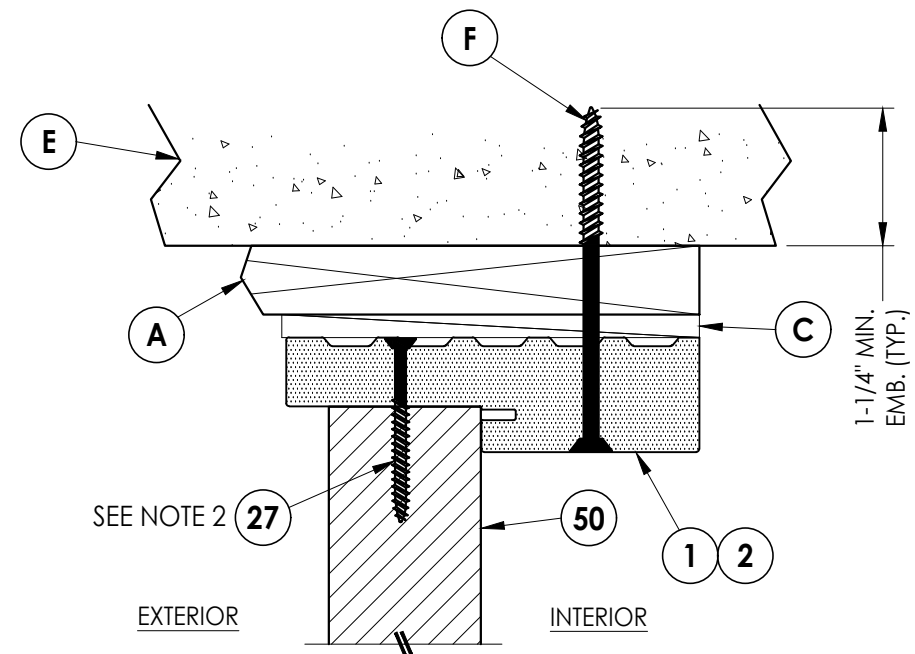


3 7 **HORIZONTAL CROSS SECTION**

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



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



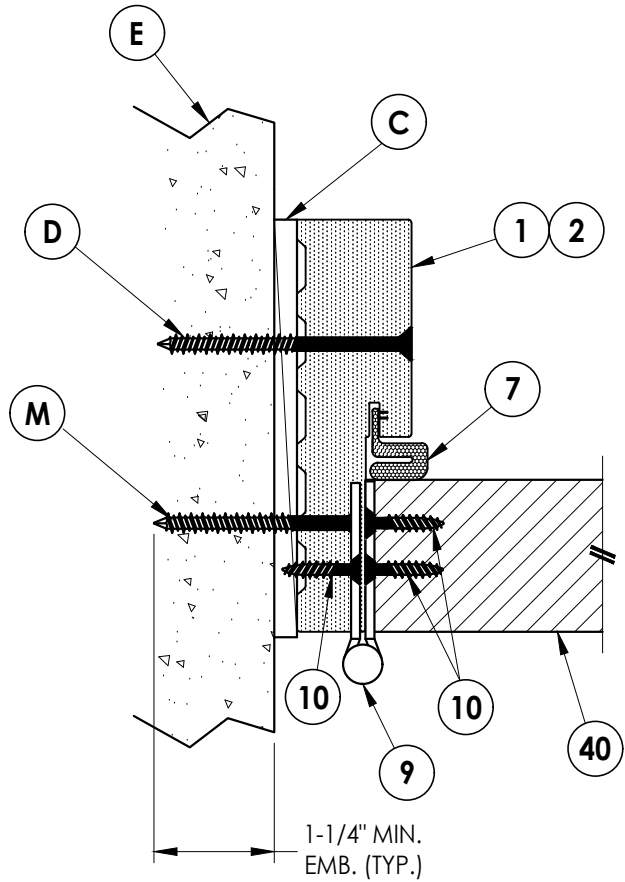
5 **VERTICAL CROSS SECTION**
7 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck

Notes:

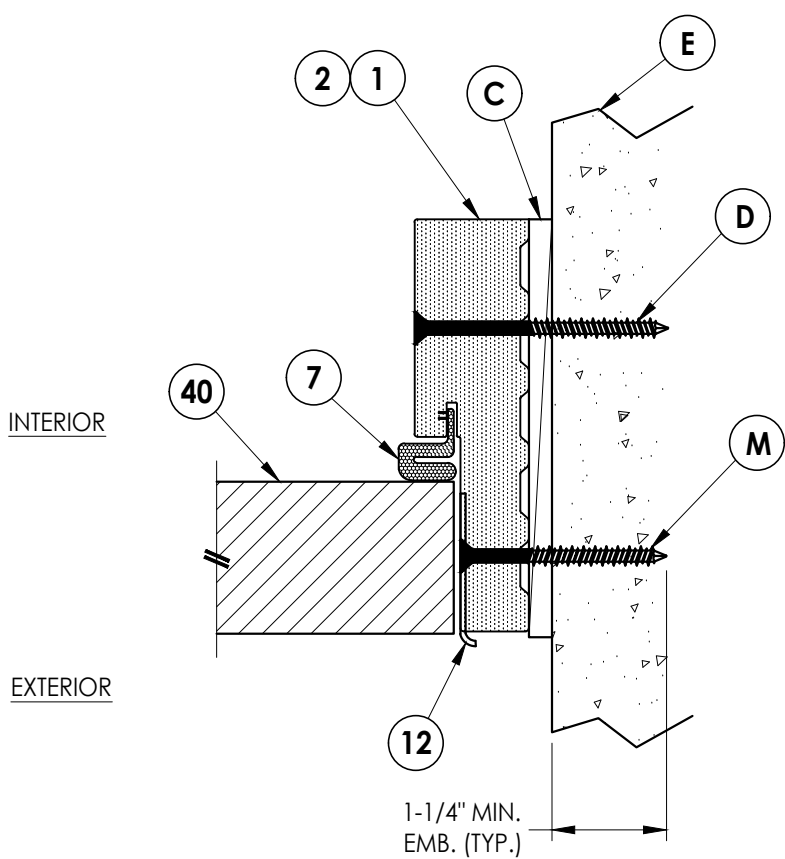
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

[illegible]

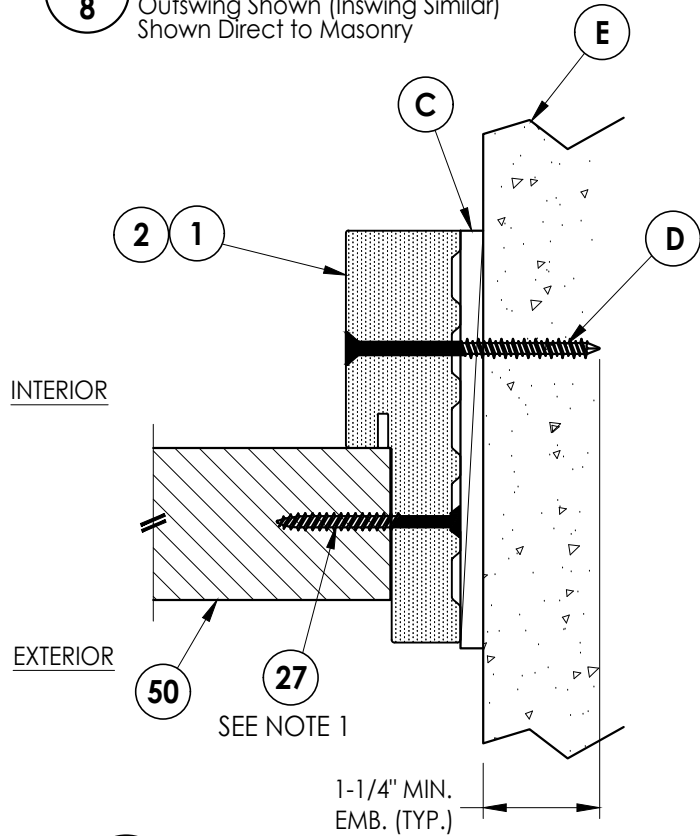
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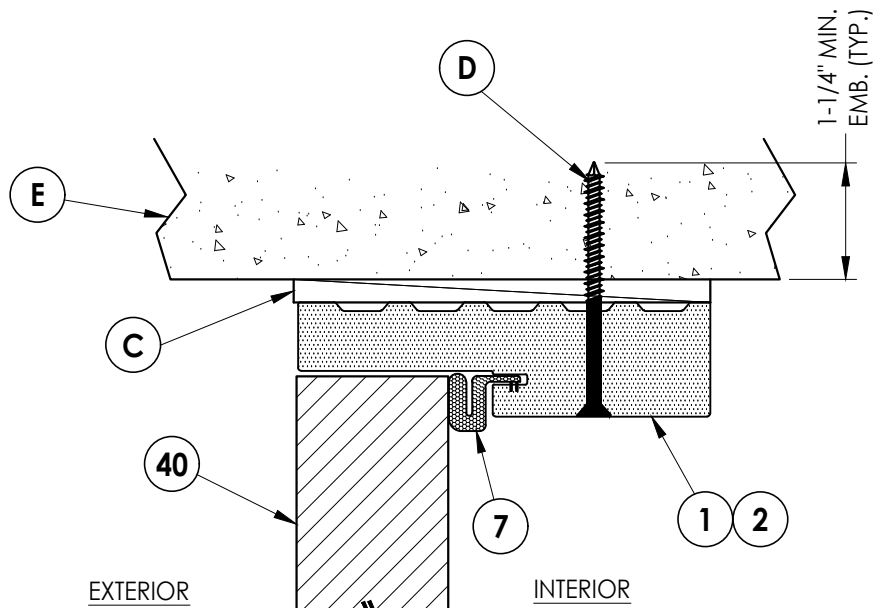
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



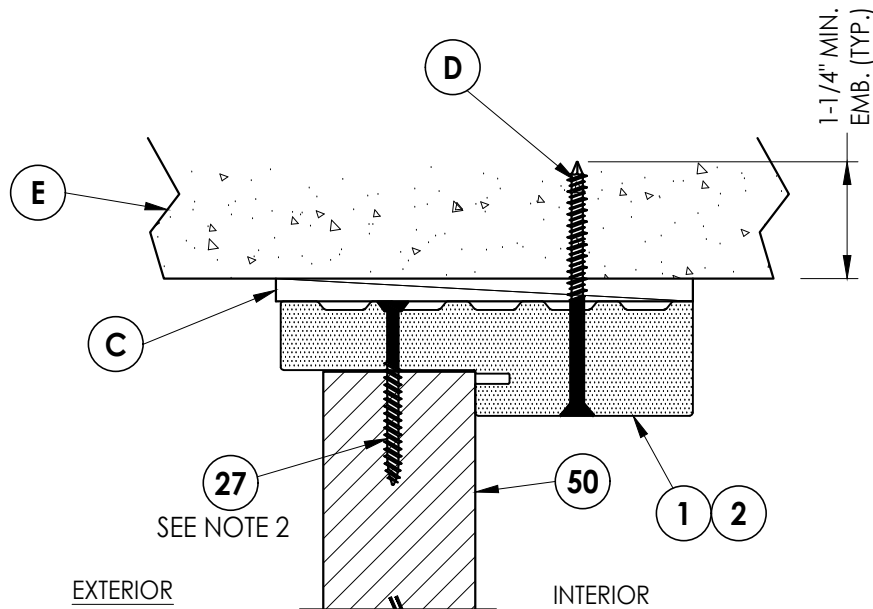
2
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



3
8 **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.

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:
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

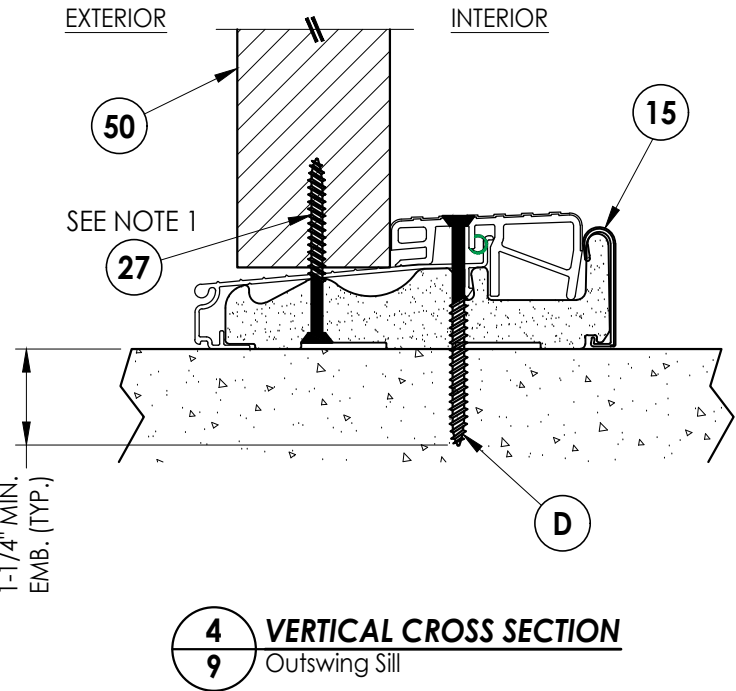
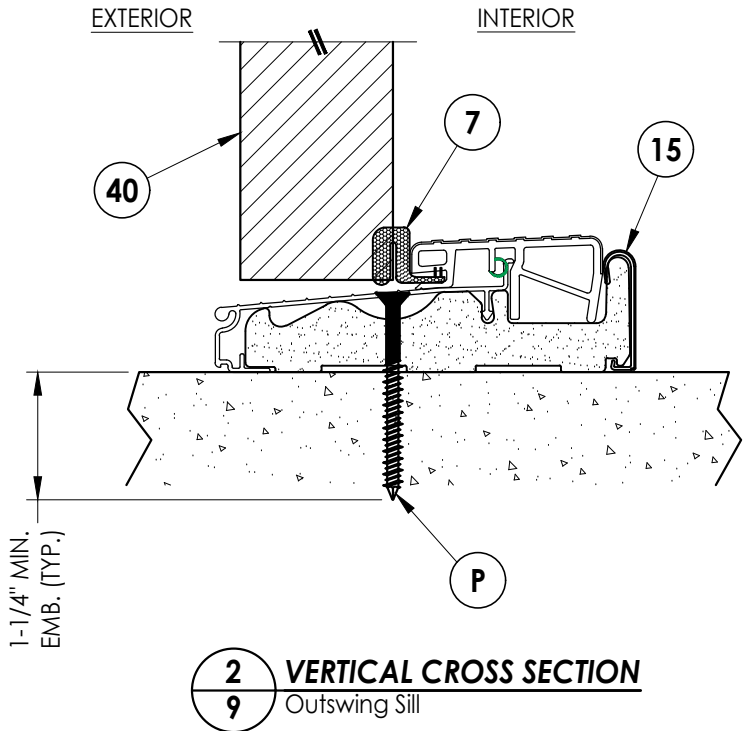
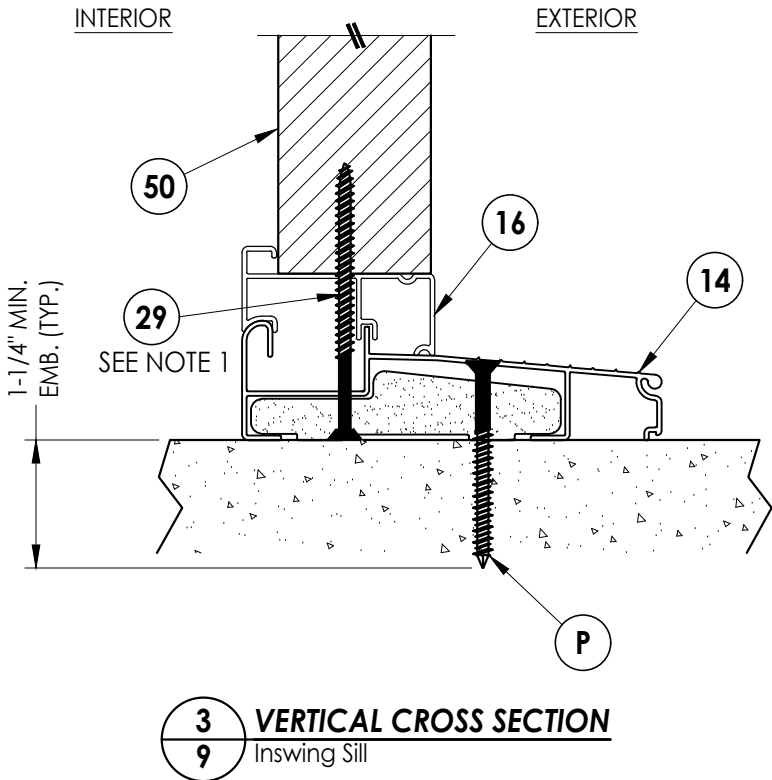
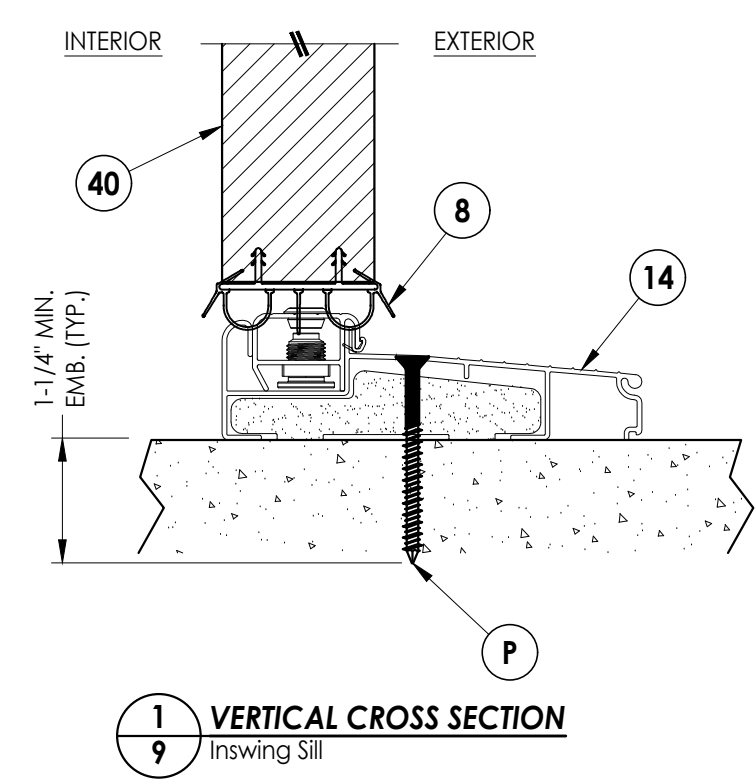
DRAWING NO.:

FL-46118.8

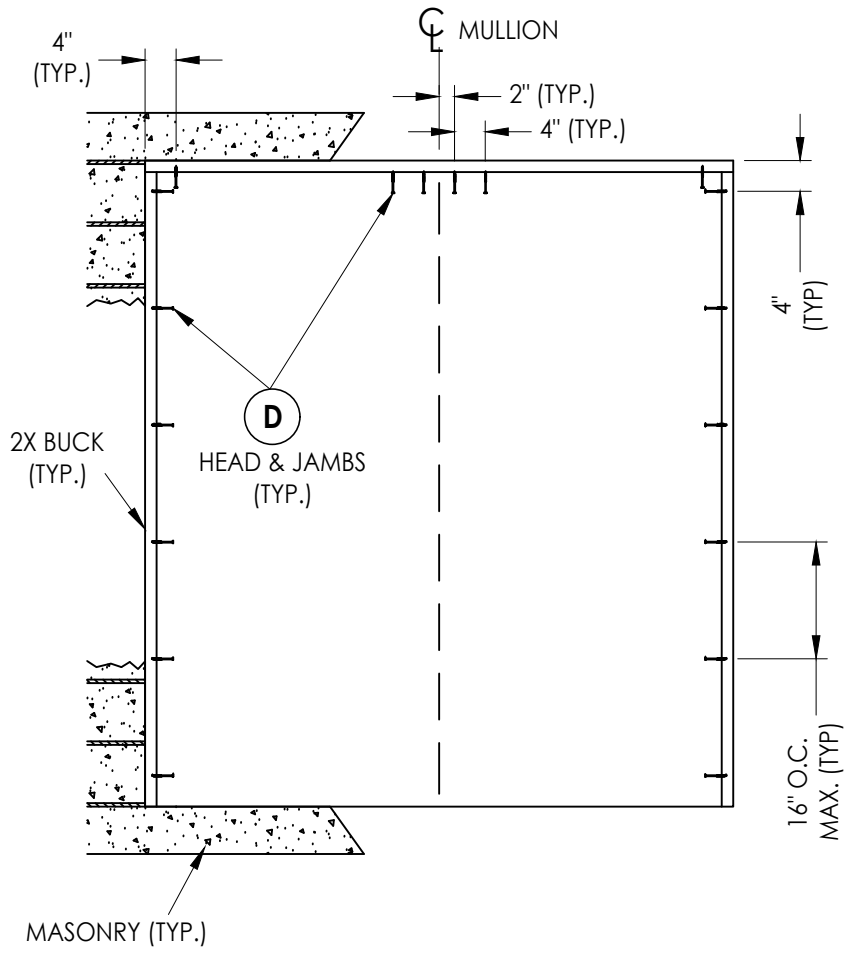
SHEET 8 OF 12

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

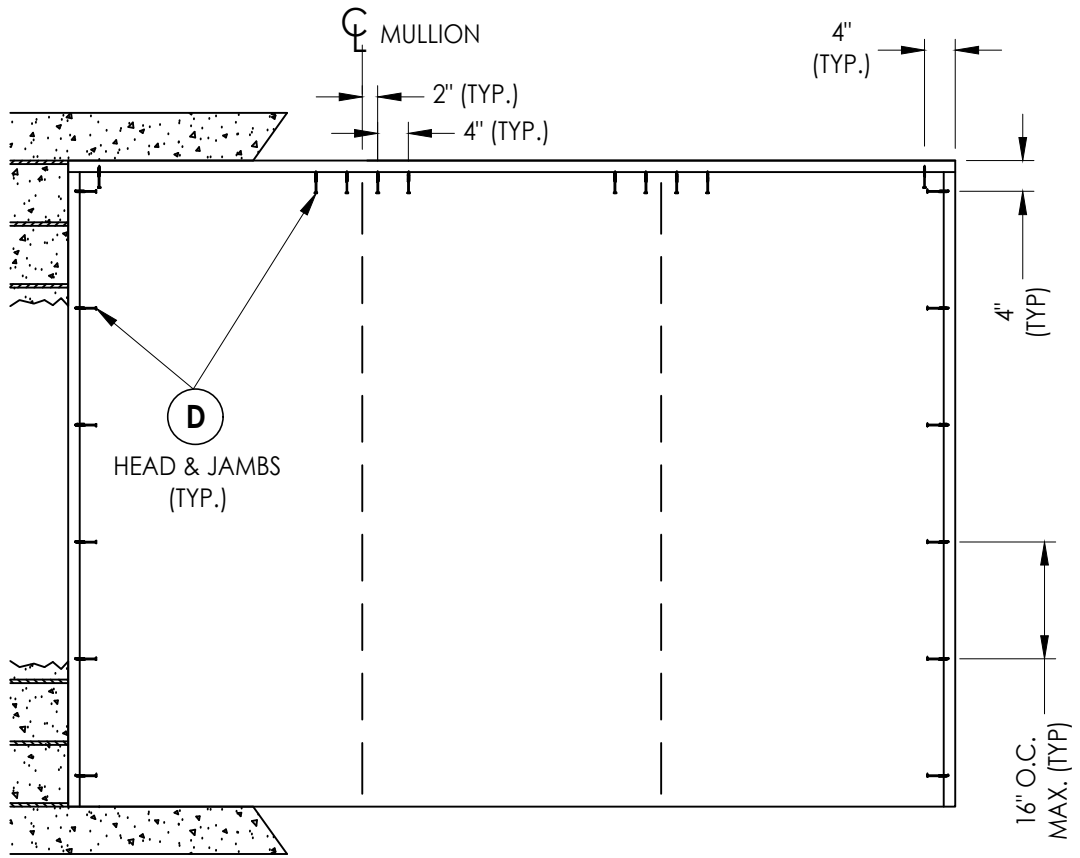


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	



XO, OX

2X BUCK ANCHORING



OXO, OOX, XOO

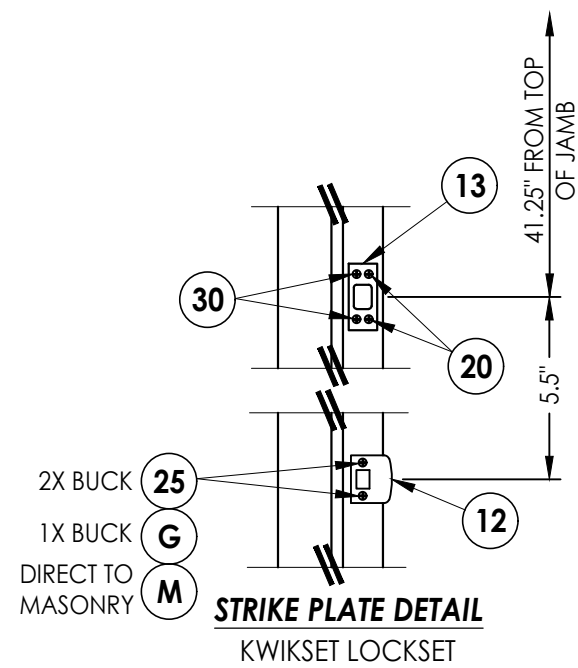
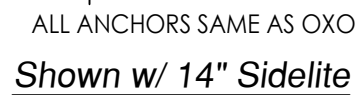
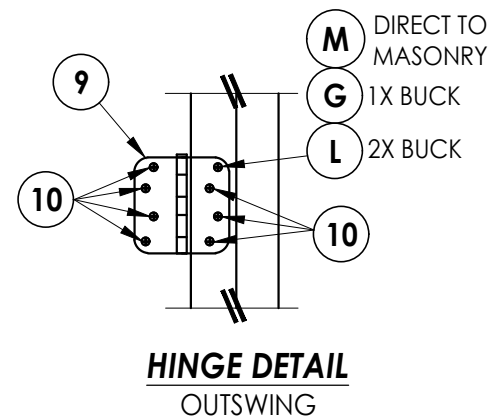
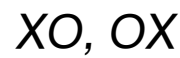
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DATE:	12/10/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46118.8
SHEET	10 OF 12

Documents Prepared By:
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P.E. No. 43409

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FBPE Registry No. 9813

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HARDWARE DETAILS

[illegible]

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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 (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	-

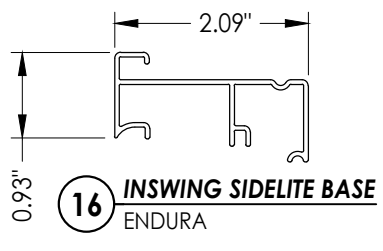
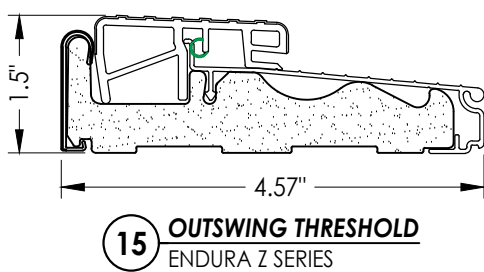
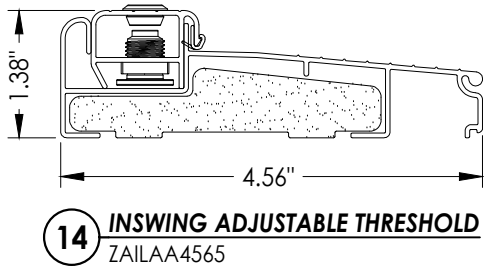
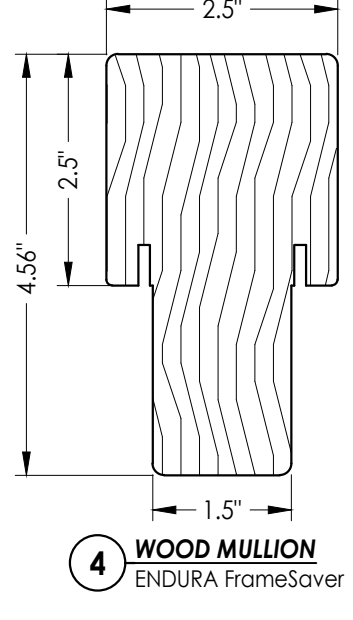
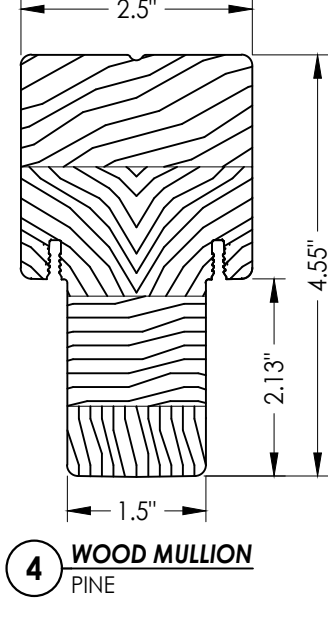
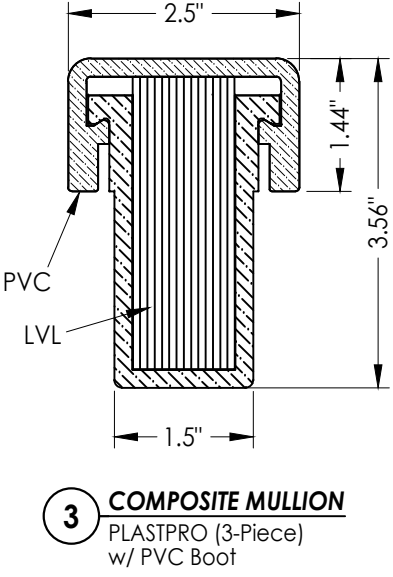
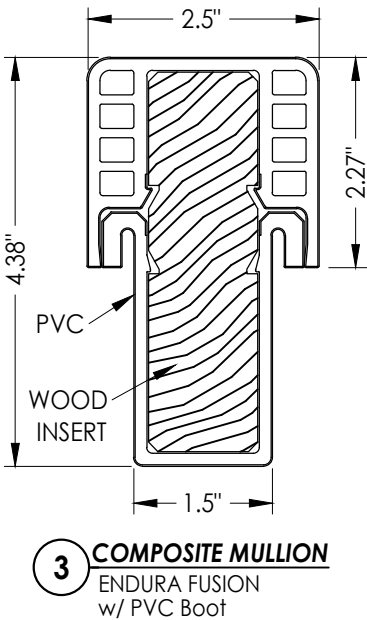
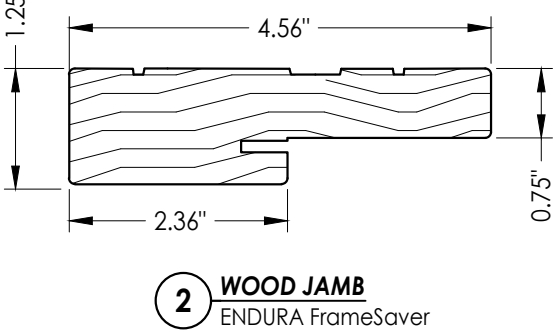
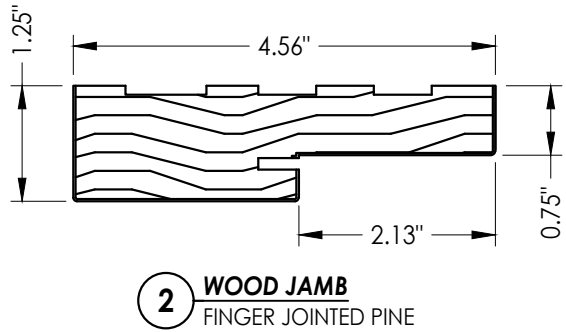
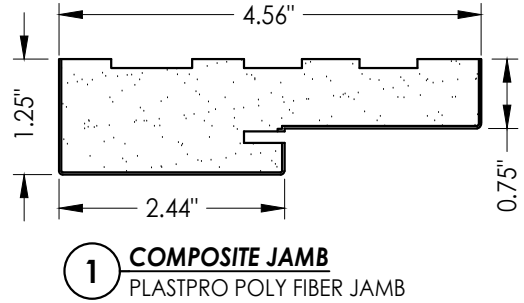
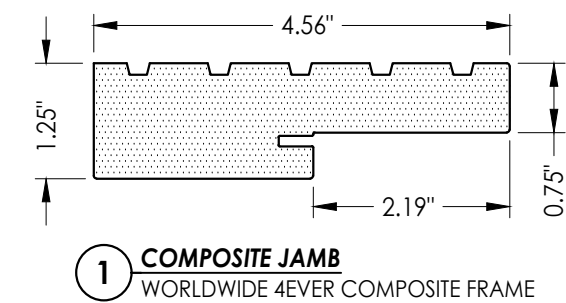
CONCRETE ANCHOR NOTES:

- 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.



Documents Prepared By:
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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-46118.8
SHEET 12 OF 12

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