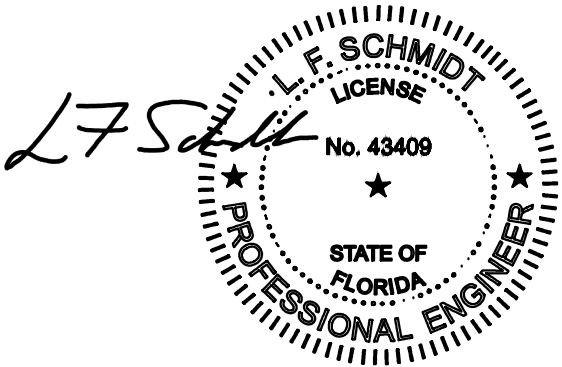




215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

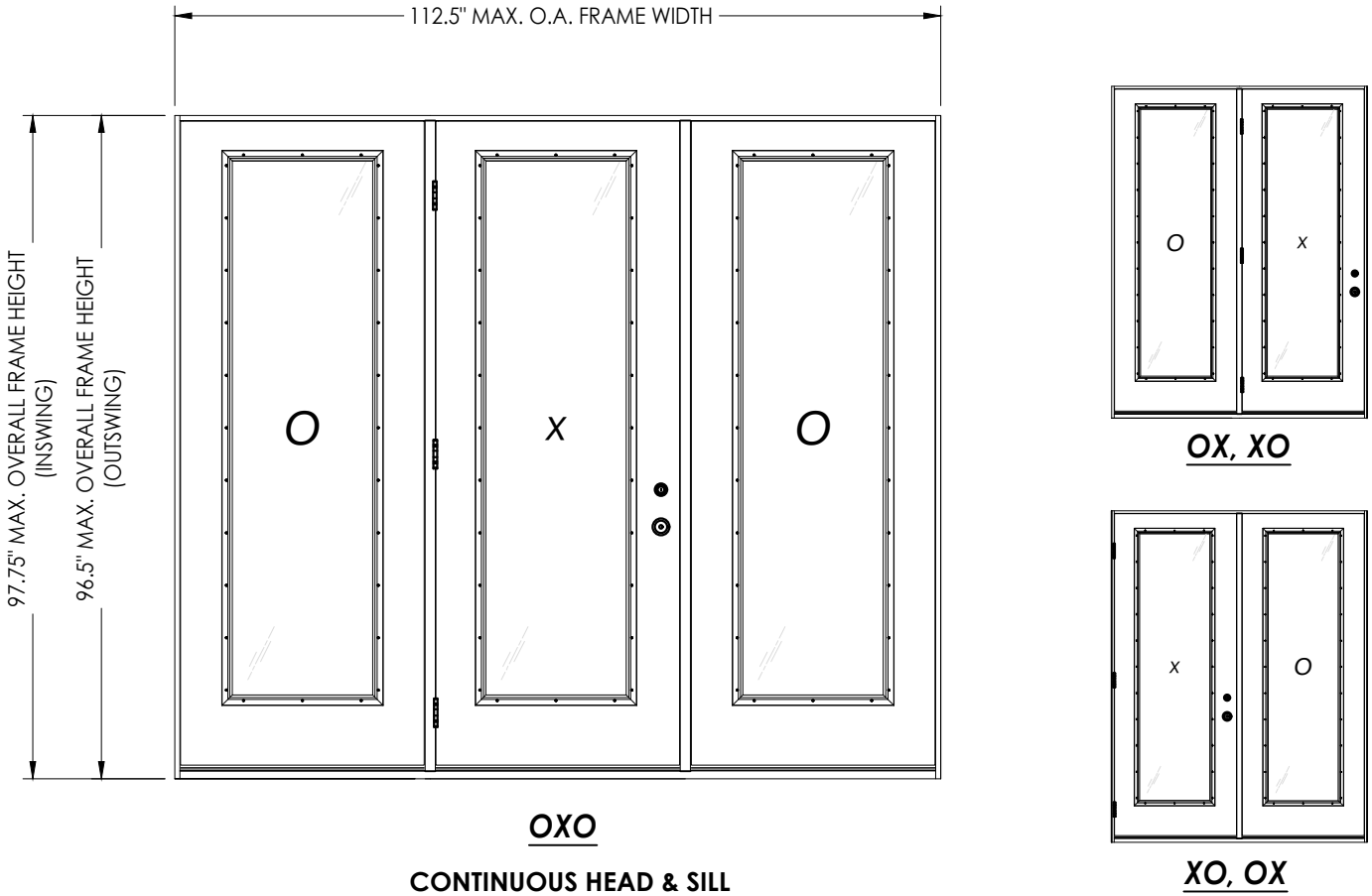


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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.

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 & Glazing Options	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	JAMB MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO	75.0" x 97.75"	WOOD	+45.0	-50.0	+50.0	-50.0
OXO	112.5" x 97.75"		+45.0	-50.0	+50.0	-50.0
OX, XO	75.0" x 97.75"	COMPOSITE	+50.0	-50.0	+50.0	-50.0
OXO	112.5" x 97.75"		+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

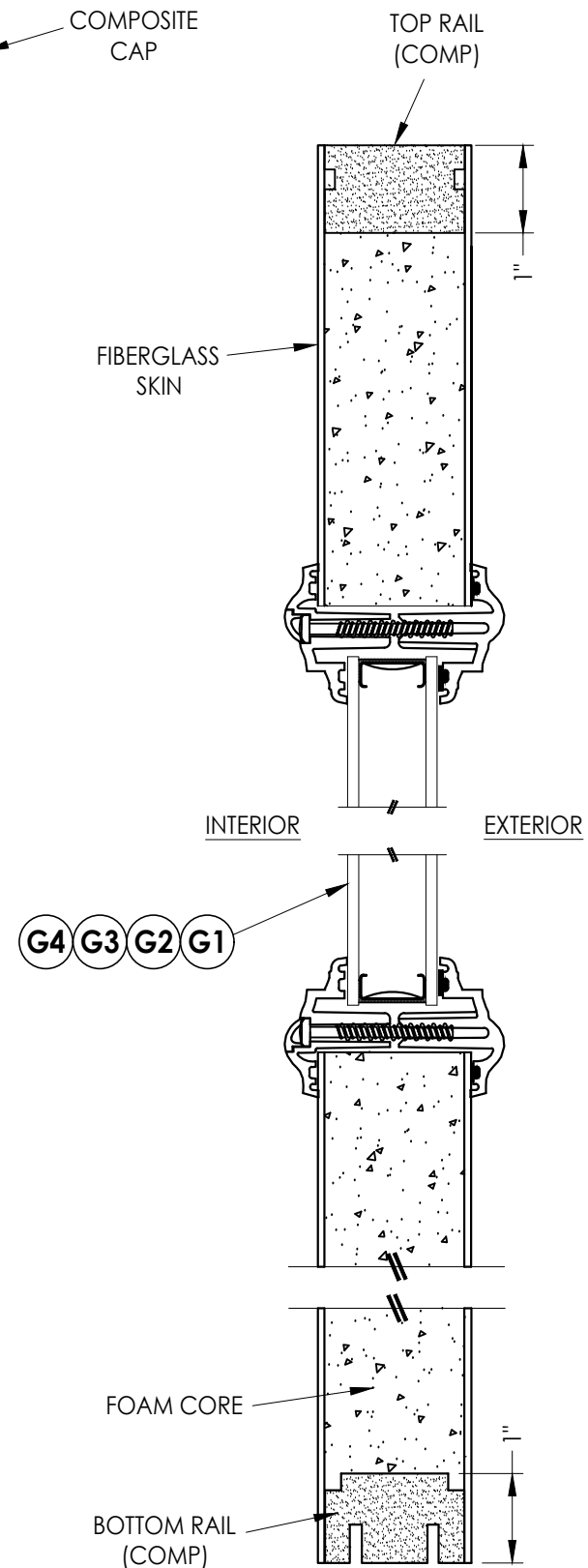
DATE: 1/16/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46120.3
SHEET 1 OF 12

The technical drawings illustrate the door assembly components and their dimensions:

- Interior and Exterior Views:** The top two drawings show the door assembly from the interior and exterior perspectives. The interior view is labeled "INTERIOR" and the exterior view is labeled "EXTERIOR". The exterior view includes a label "G4 G3 G2 G1" with arrows pointing to the door edge.
- Latch Stile Reinforcement (LVL):** The bottom drawing is a detailed cross-section of the latch stile, showing the reinforcement (LVL) and the latch stile (LVL).
- Dimensions:**
 - The total width of the latch stile is 2.8".
 - The width of the reinforcement (LVL) is 0.7".
 - The width of the latch stile (LVL) is 0.38".
- Composite Cap:** A label "COMPOSITE CAP" points to the top edge of the latch stile.

1 HORIZONTAL CROSS SECTION

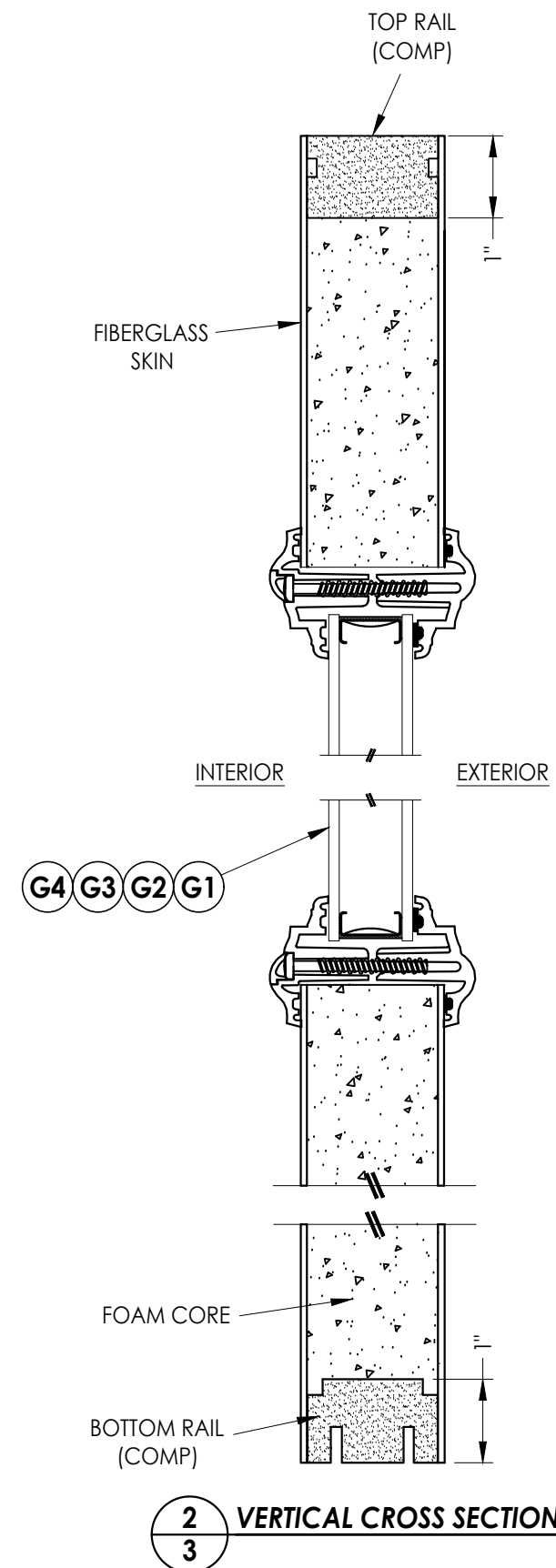
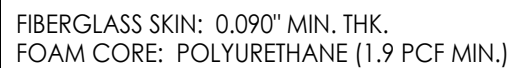
HARDWARE CHART		
MANUFACTURER	MODEL	
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (980)
Schlage	Knob:	F Series
	Deadbolt:	B60 Series



2 **VERTICAL CROSS SECTION**

[illegible]

SHEET 2 OF 12

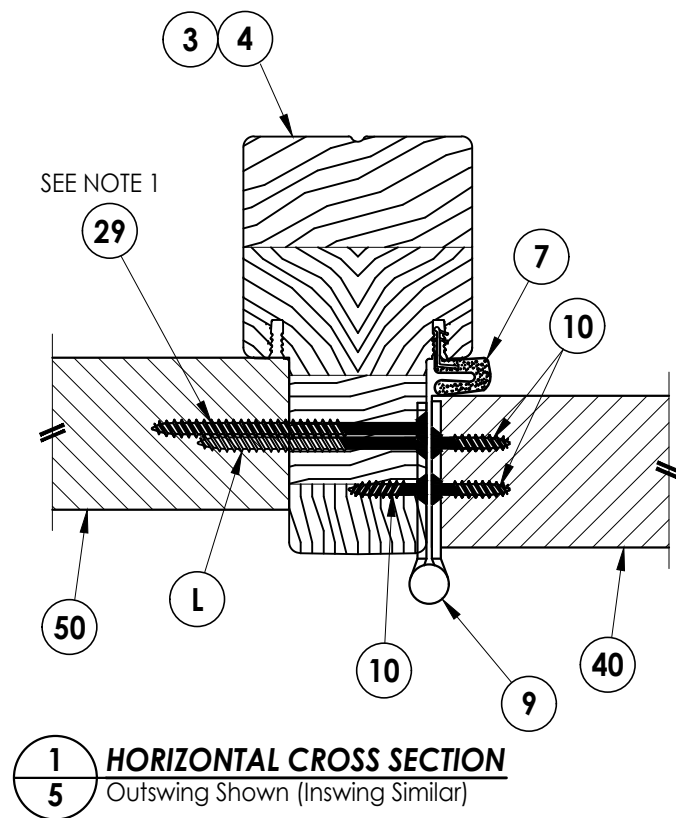
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DATE:	1/16/25
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46120.3
SHEET	3 OF 12

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

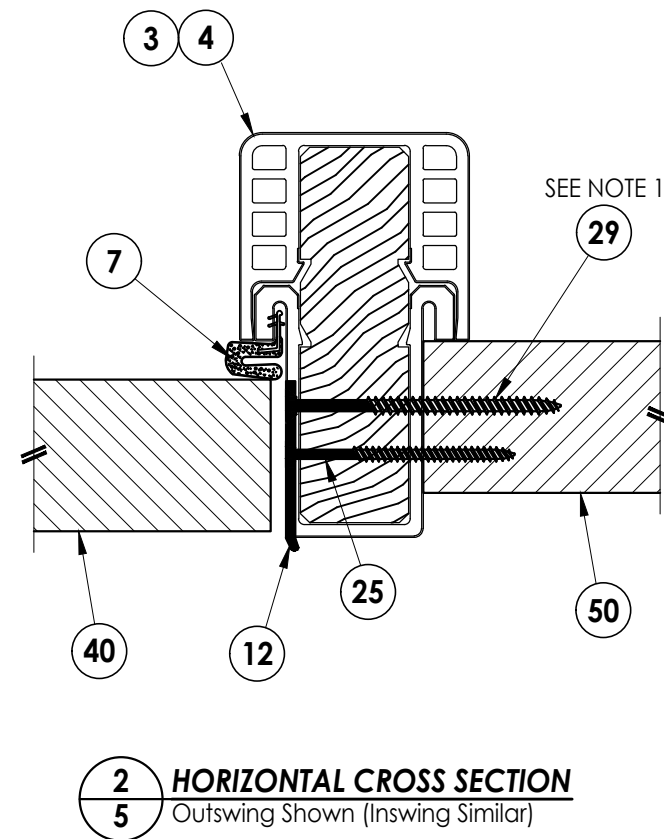
R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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EXTERIOR

INTERIOR



SEE NOTE 1

DATE: 1/16/25

SCALE: N.T.S.

DWG. BY: *LFS*

CHK. BY: *RW*

DRAWING NO.:

FL-46120.3

SHEET 5 OF 12

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
CROSS SECTIONS

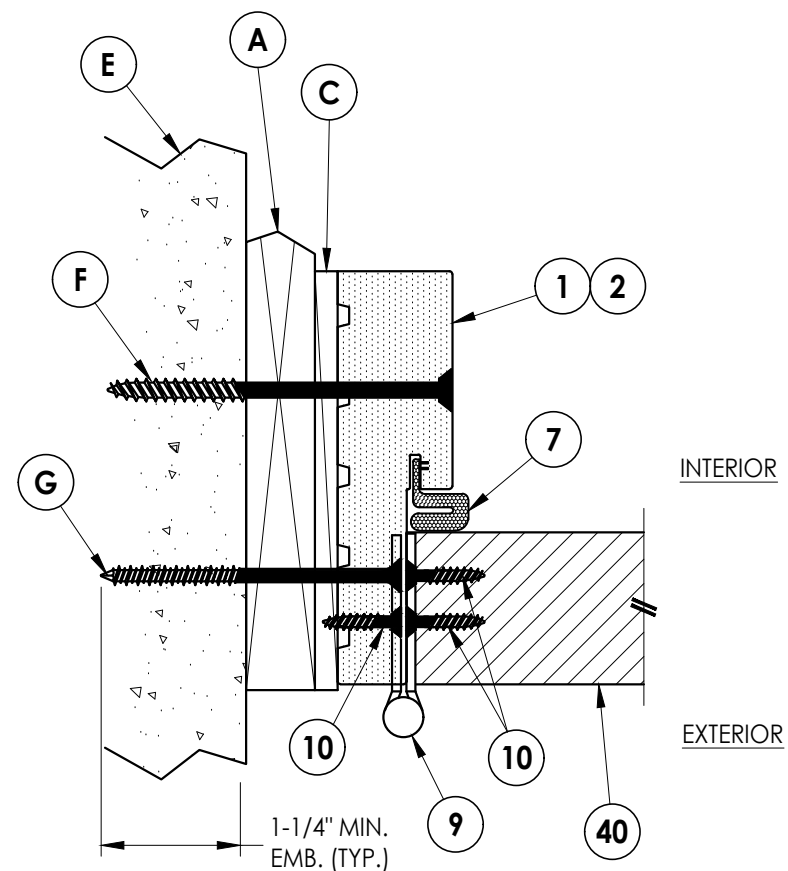
REVISIONS

1

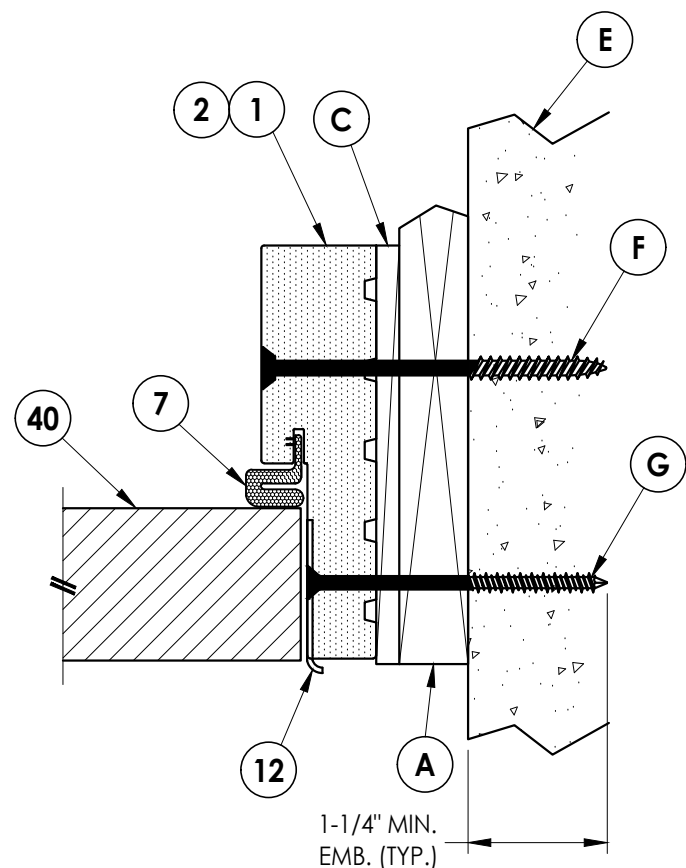
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1

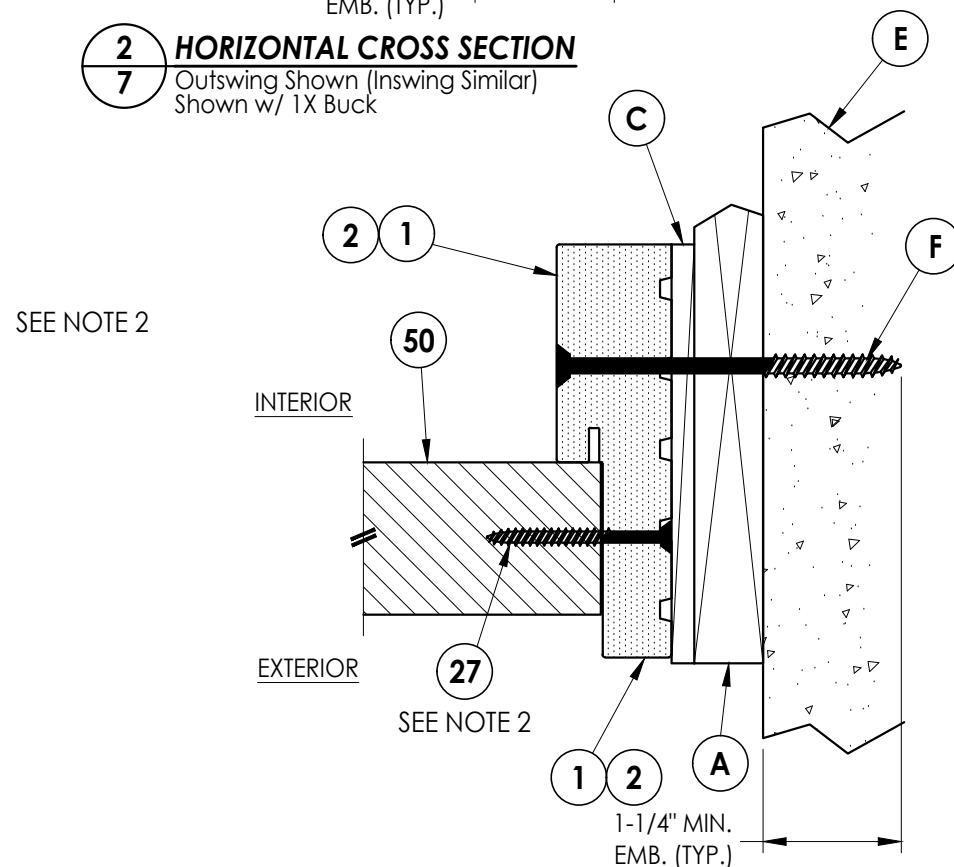
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1 7 **HORIZONTAL CROSS SECTION**

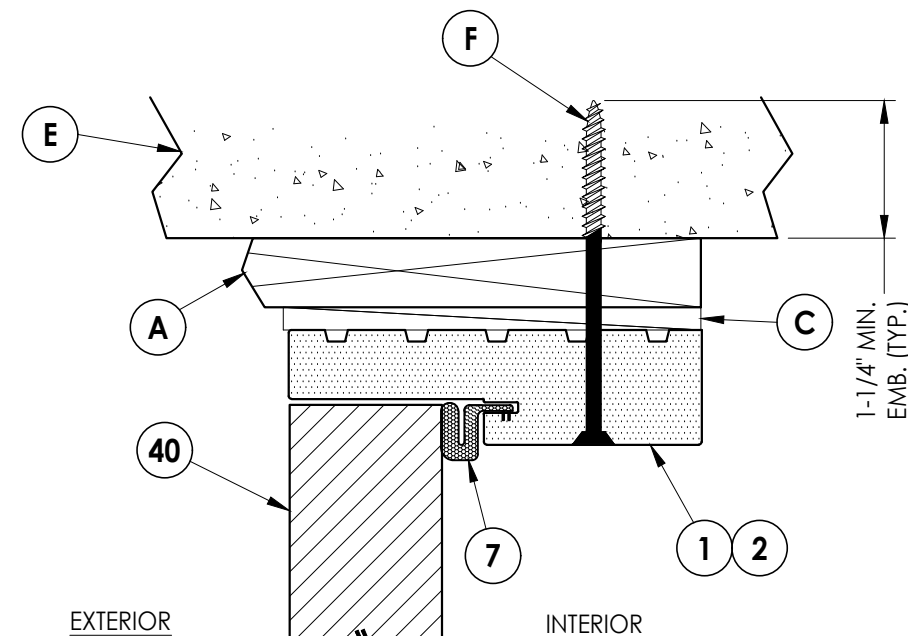


2 **HORIZONTAL CROSS SECTION**
7 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck

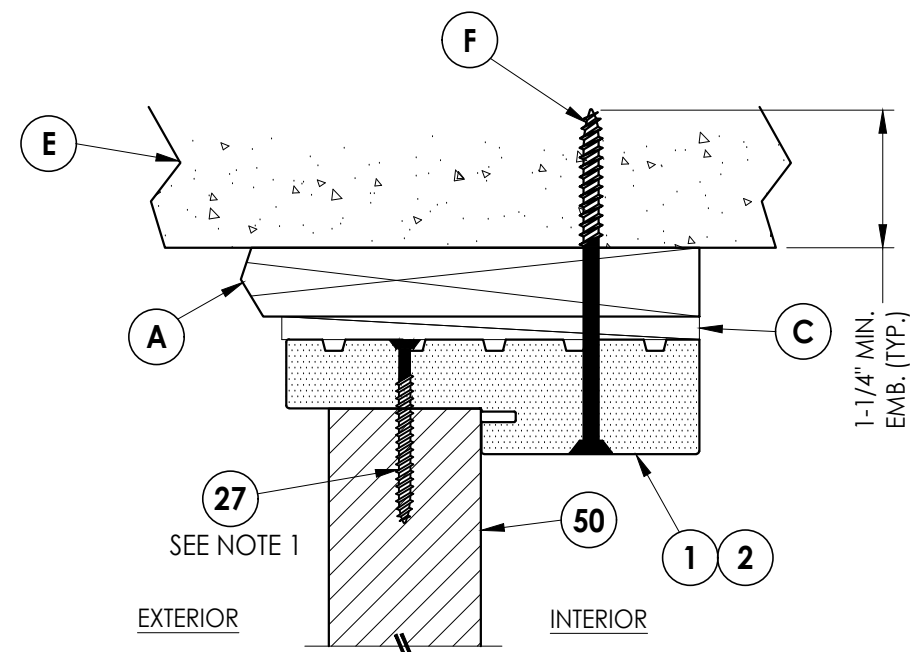


3 **HORIZONTAL CROSS SECTION**

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



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



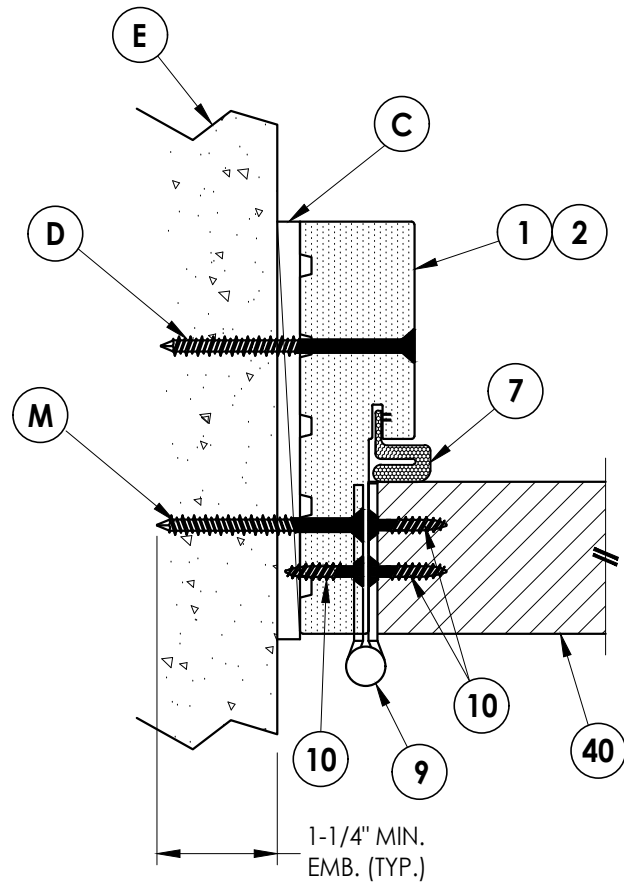
5 **VERTICAL CROSS SECTION**
7 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck

NOTES:

1. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH END (2 TOTAL).
2. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH END PLUS 5 MORE EQUALLY SPACED (7 TOTAL).

[illegible]

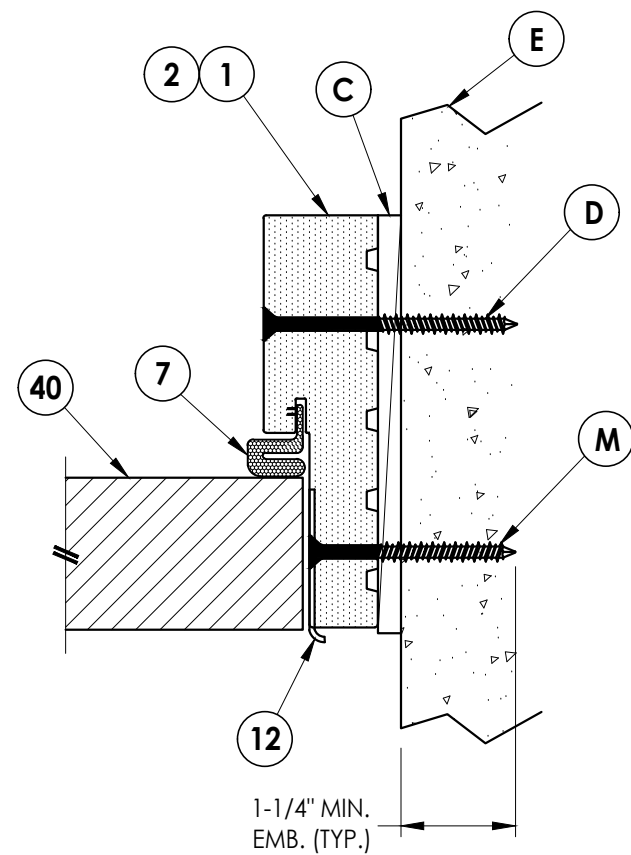
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1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

INTERIOR

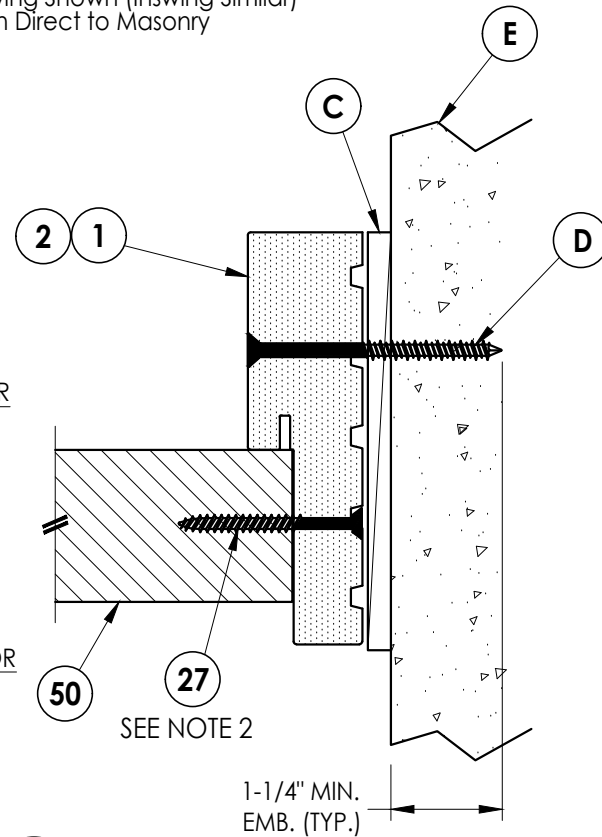
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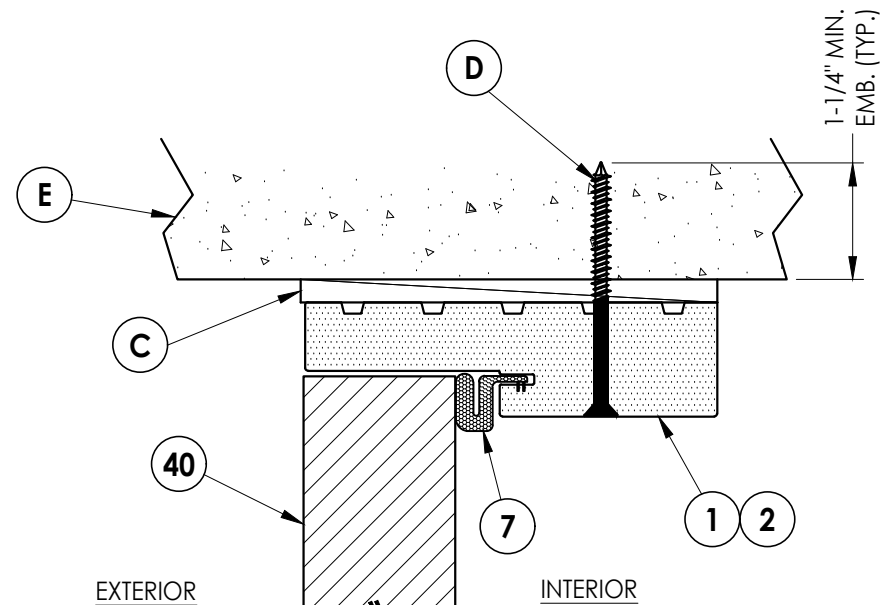
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8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

INTERIOR

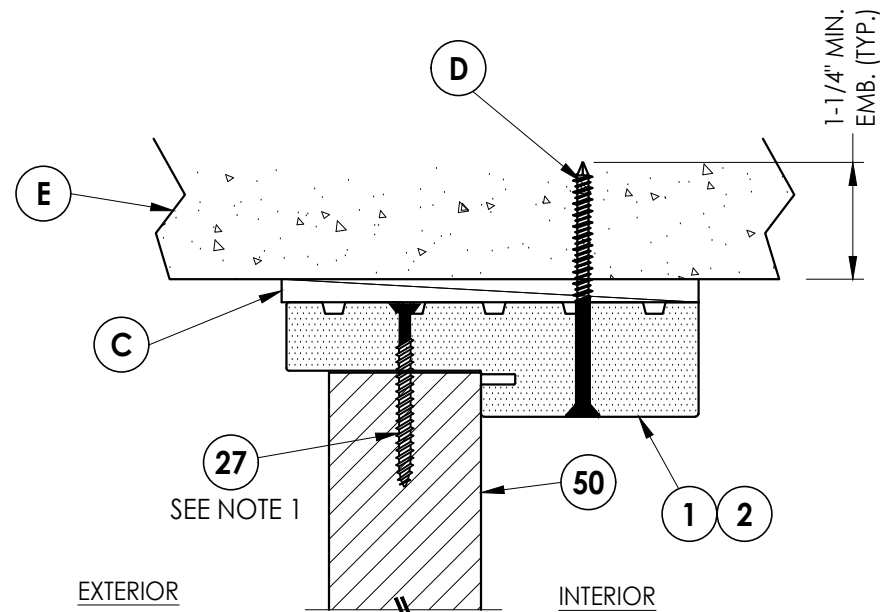
EXTERIOR



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:

1. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH END (2 TOTAL).
2. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH END PLUS 5 MORE EQUALLY SPACED (7 TOTAL).

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)

DATE: 1/16/25

SCALE: N.T.S.

DWG. BY: LFS

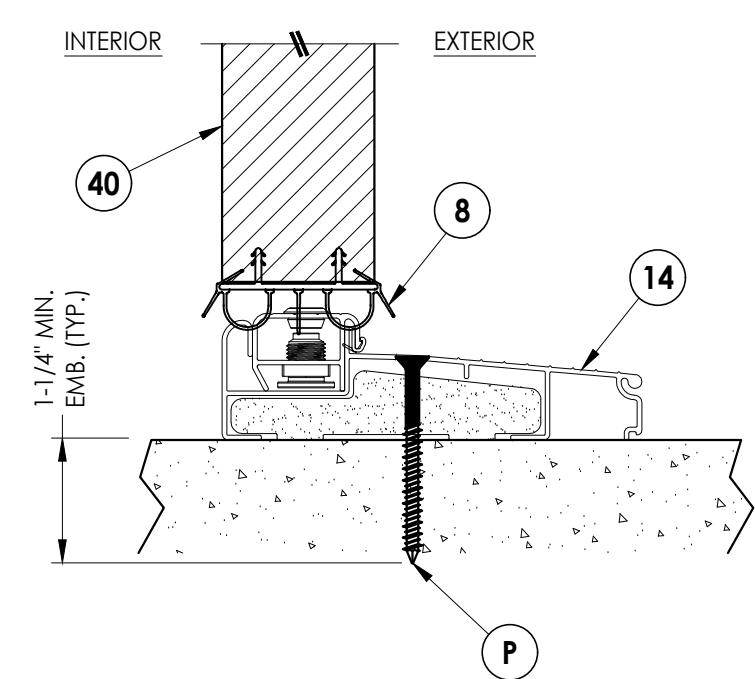
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DRAWING NO.:

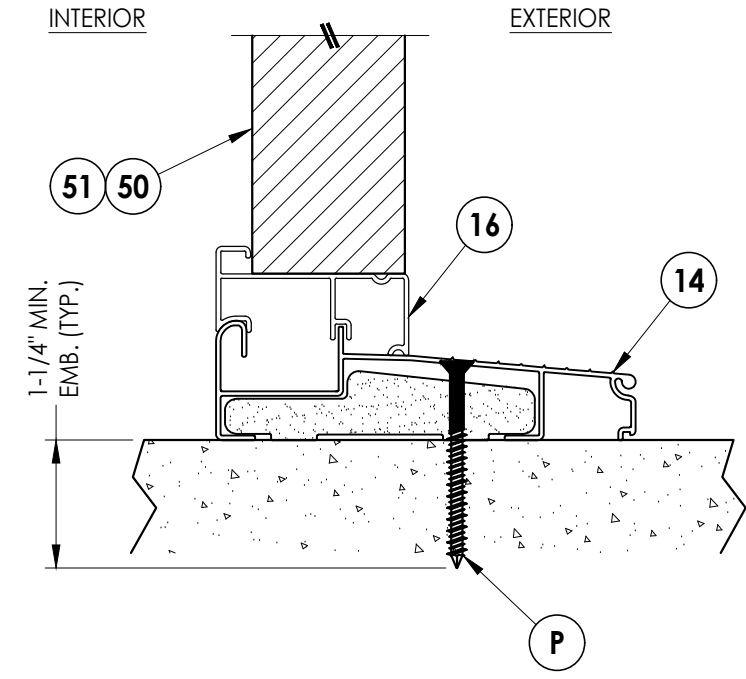
FL-46120.3

SHEET 8 OF 12

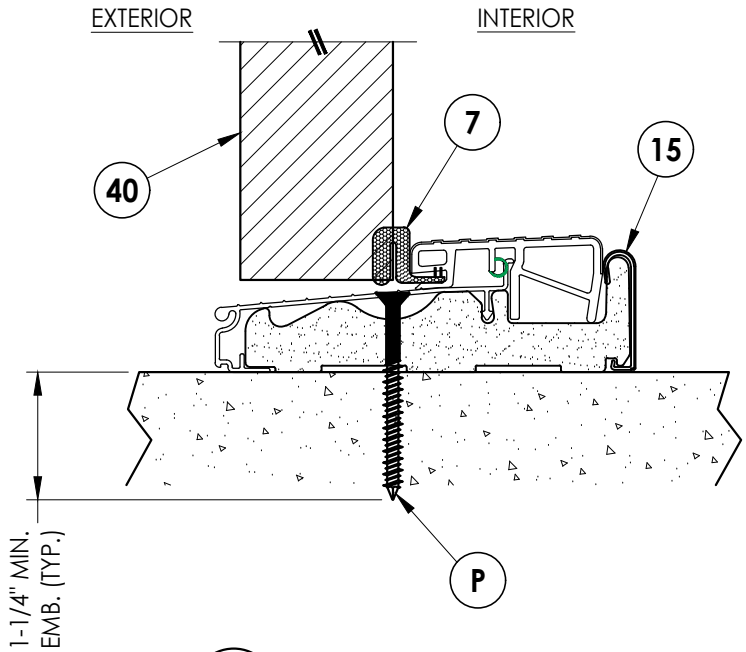
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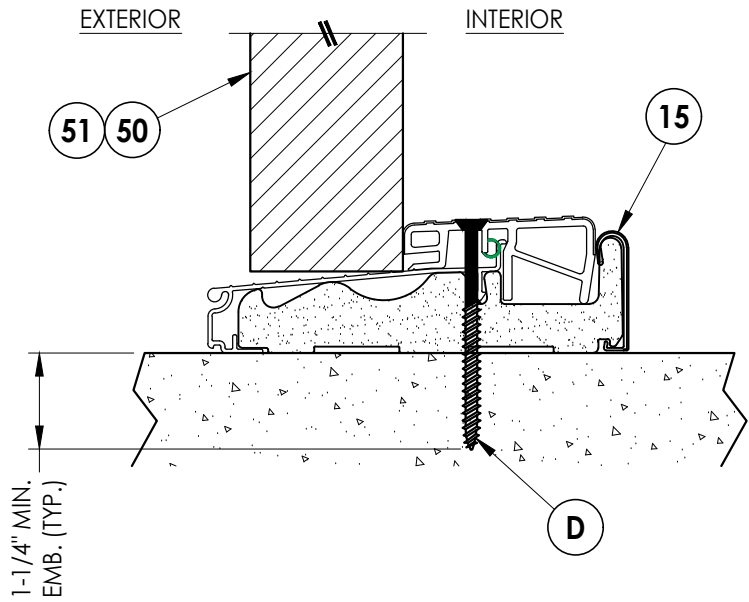
1
9 **VERTICAL CROSS SECTION**
Inswing Sill



3
9 **VERTICAL CROSS SECTION**
Inswing Sill



2
9 **VERTICAL CROSS SECTION**
Outswing Sill



4
9 **VERTICAL CROSS SECTION**
Outswing Sill

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

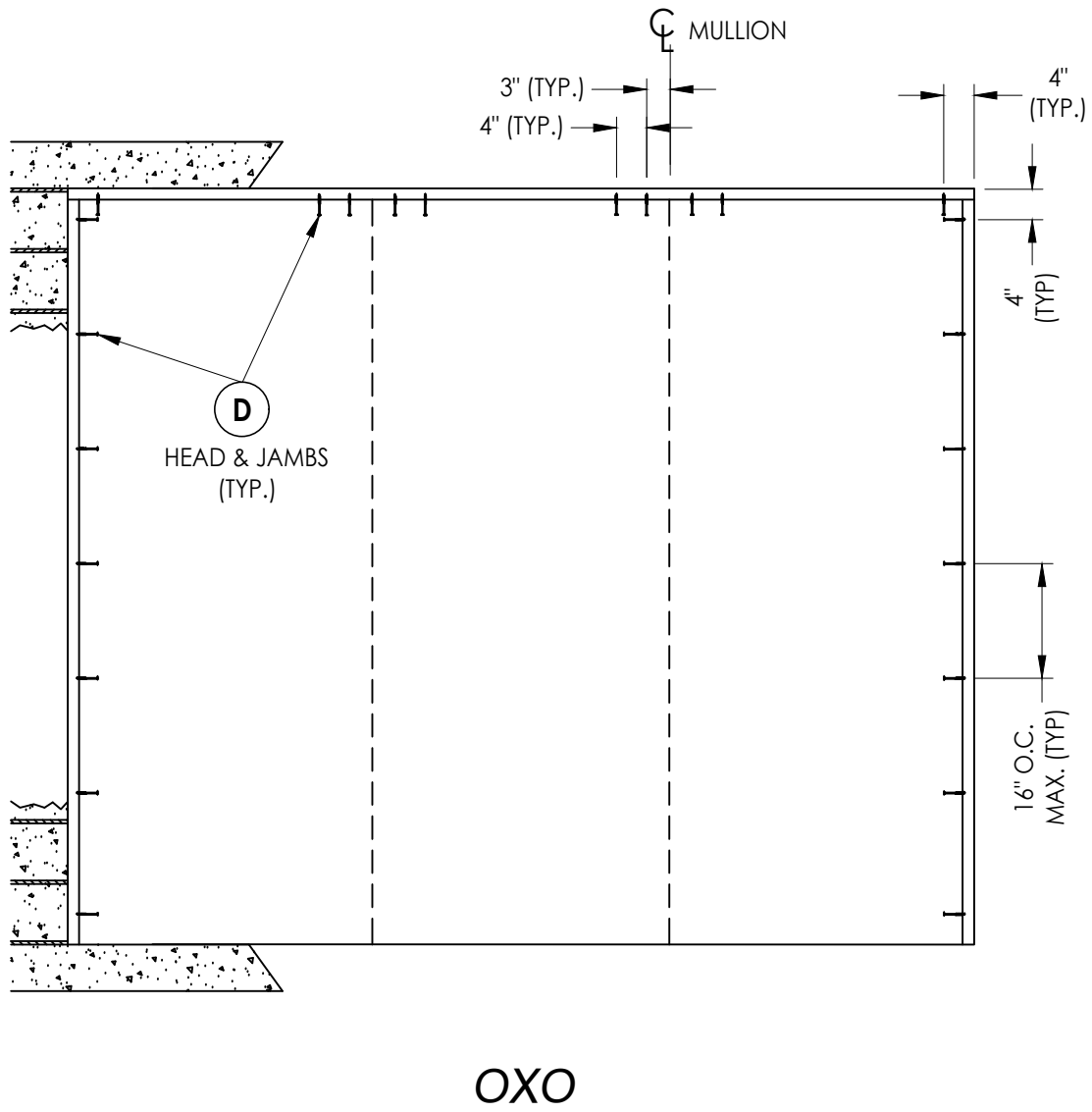
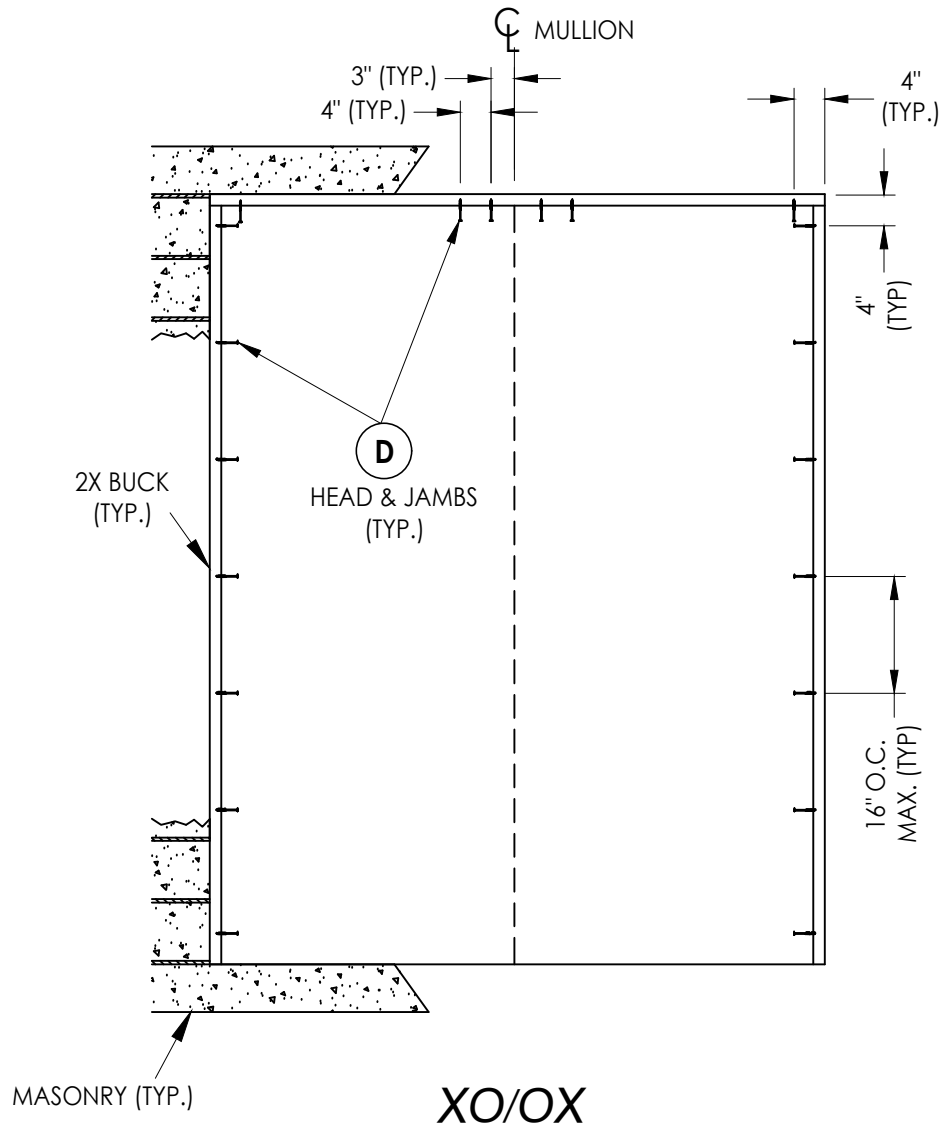
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

REVISIONS		NO.	DATE	BY

DATE: 1/16/25
SCALE: N.T.S.
DWG. BY: LFS
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DRAWING NO.:
FL-46120.3
SHEET 9 OF 12



2X BUCK ANCHORING

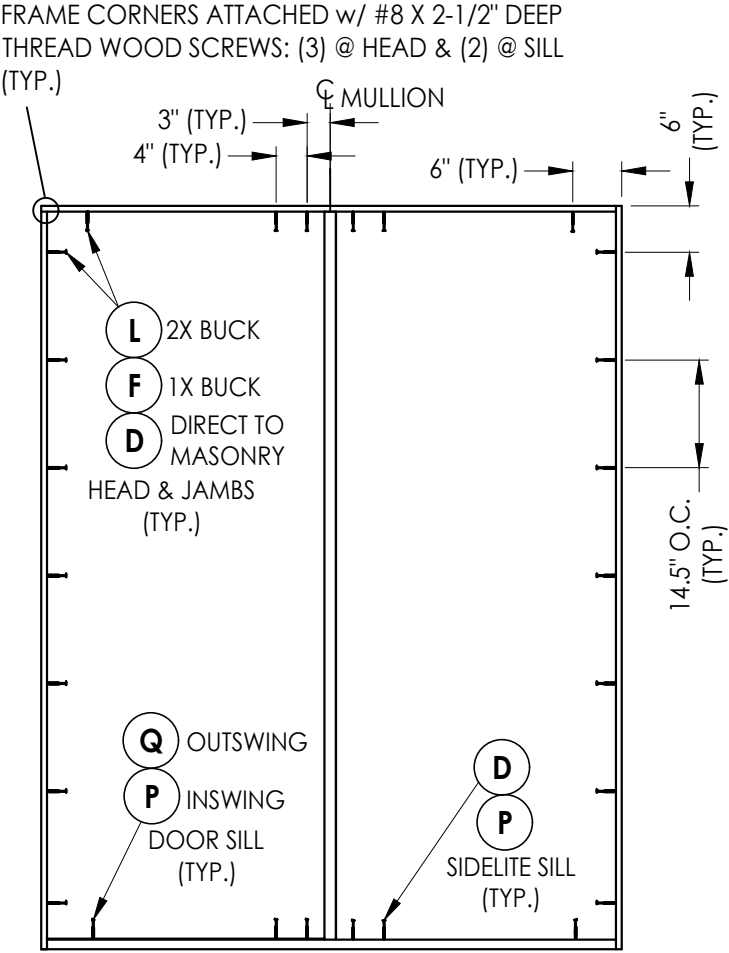
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DATE:	1/16/25
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46120.3
SHEET	<u>10</u> OF <u>12</u>

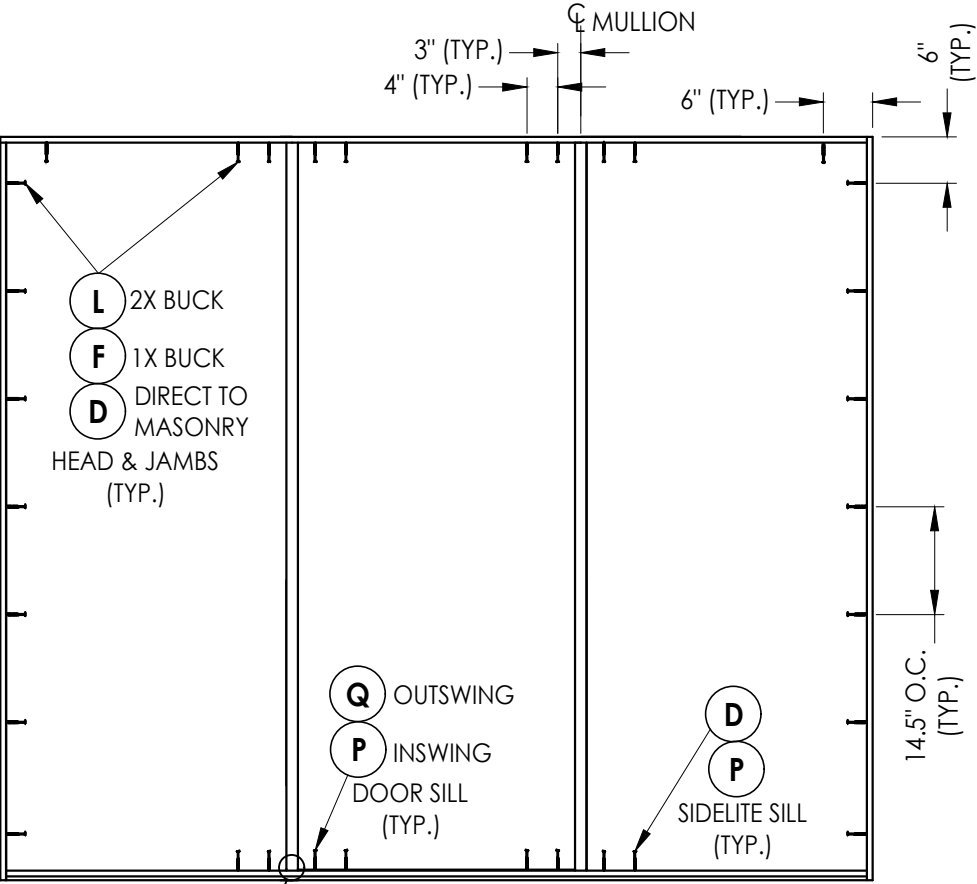
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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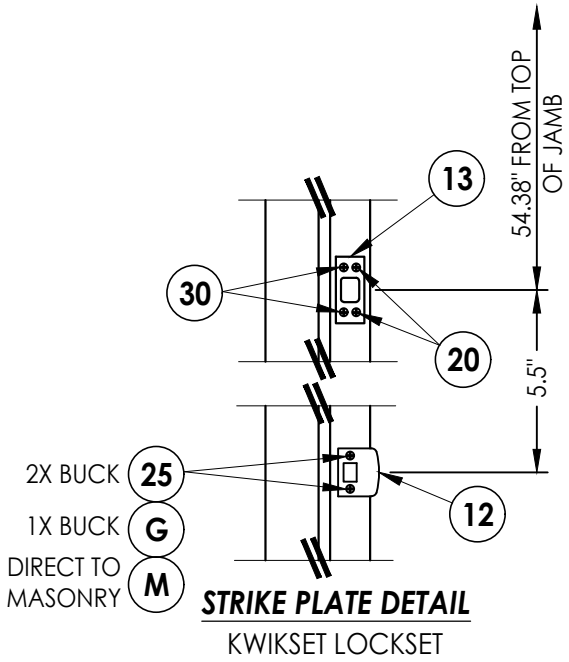
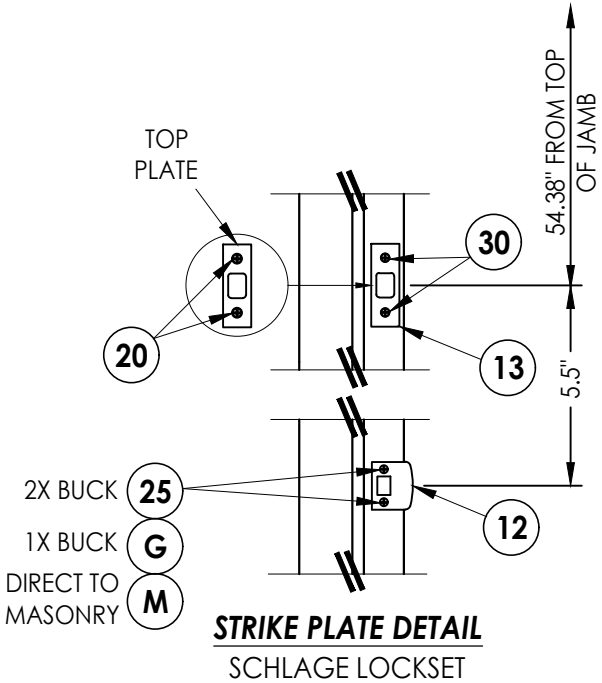
XO/OX



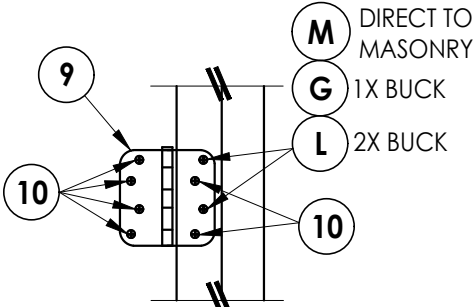
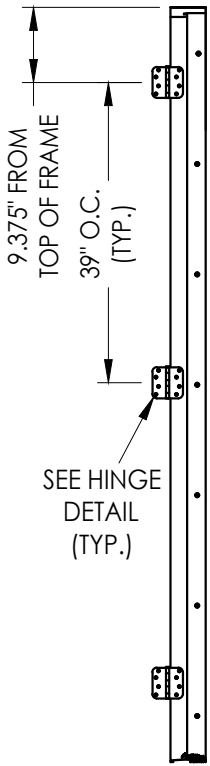
OXO

INTEGRAL MULLION ATTACHED TO
HEAD & SILL w/ (3) #8 X 2-1/2" FH
DEEP THREAD WOOD SCREWS (TYP.)

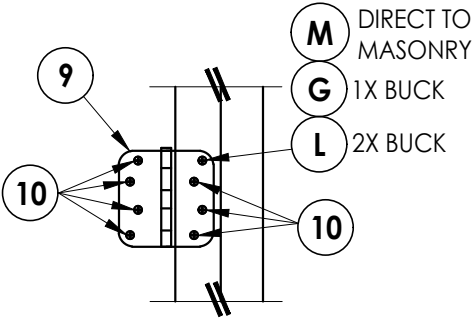
FRAME ANCHORING



HARDWARE DETAILS



HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING

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	
			</

Z:\2023 FBC Drawings\ODL, Inc\FL-46120\FL-46120.3.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
J	#10 X 3" PFH WOOD 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
X	2X REINFORCEMENT (G = 0.55)	WOOD
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	PVC
18	ADA THRESHOLD	ALUM
19	ADA OUTSWING THRESHOLD	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
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

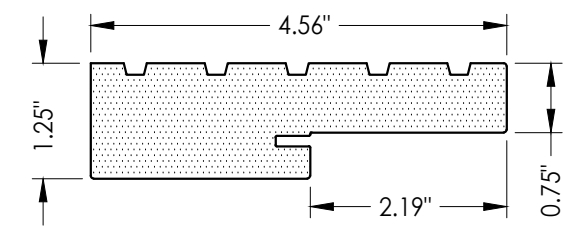
CONCRETE ANCHOR NOTES:

- 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:

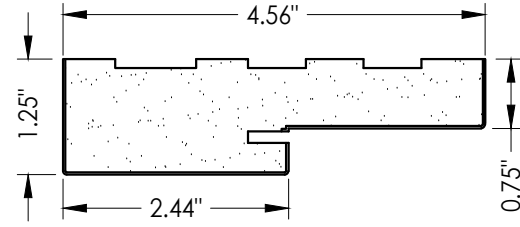
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

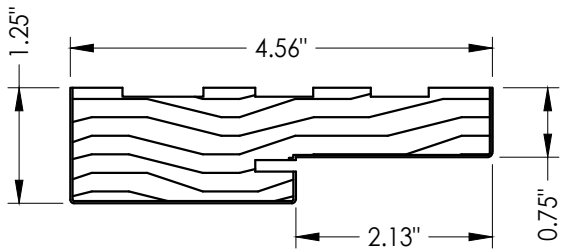
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



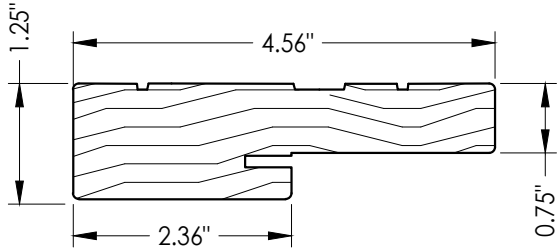
1 COMPOSITE JAMB
WORLDWIDE 4EVER COMPOSITE FRAME



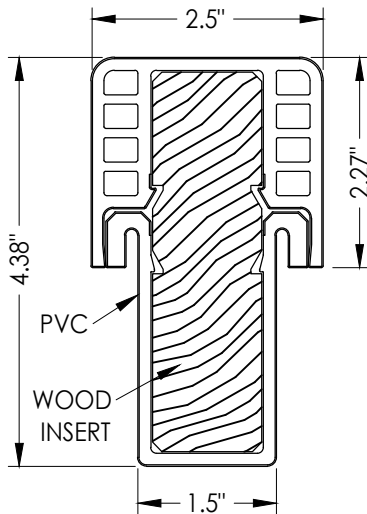
1 COMPOSITE JAMB
PLASTPRO POLY FIBER JAMB



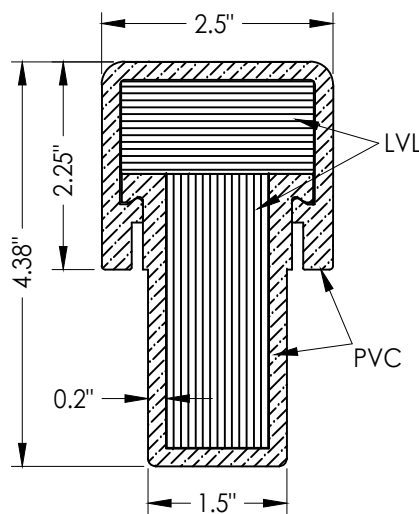
2 WOOD JAMB
FINGER JOINTED PINE



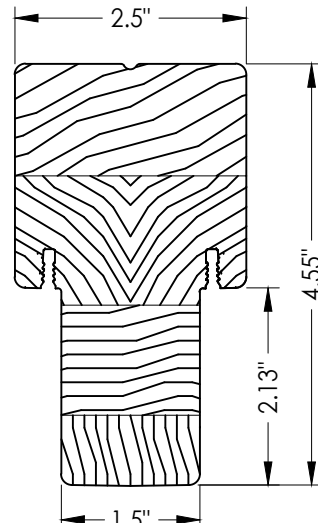
2 WOOD JAMB
ENDURA FrameSaver



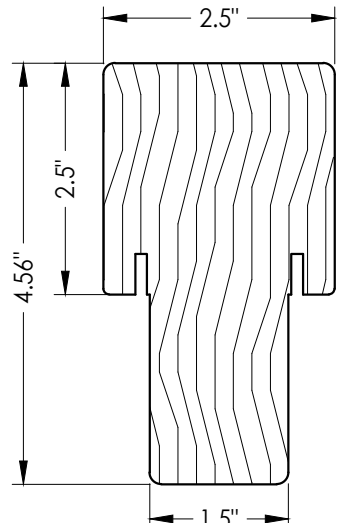
3 COMPOSITE MULLION
ENDURA FUSION
w/ PVC Boot



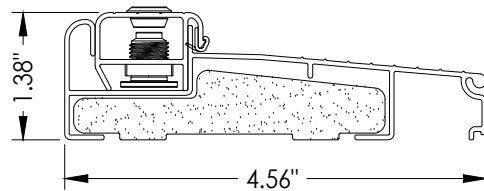
3 COMPOSITE MULLION
PLASTPRO (3-Piece)
w/ PVC Boot



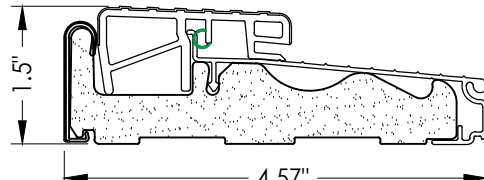
4 WOOD MULLION
PINE



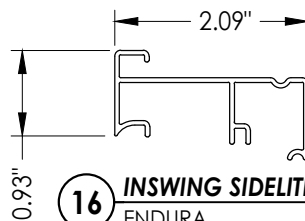
4 WOOD MULLION
ENDURA FrameSaver



14 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



15 OUTSWING THRESHOLD
ENDURA Z SERIES



16 INSWING SIDELITE BASE
ENDURA

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:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 1/16/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46120.3

SHEET 12 OF 12