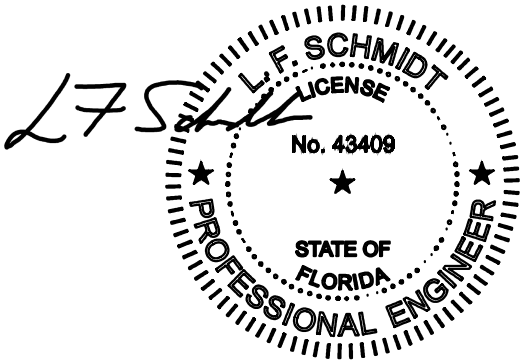




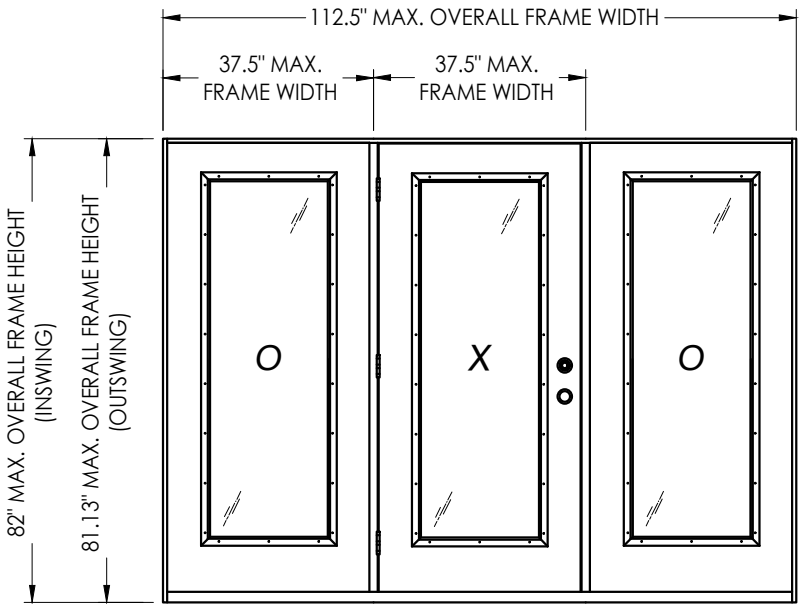
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

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

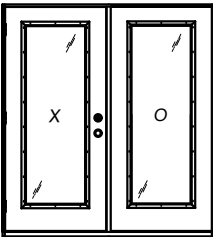


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

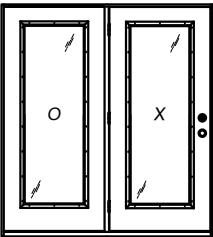
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



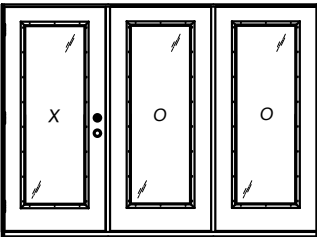
OXO
CONTINUOUS HEAD & SILL



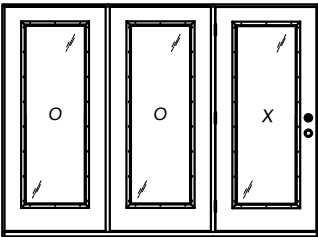
XO, OX



OX, XO



XOO, OOX



OOX, XOO

CONFIGURATION	MAX. FRAME DIMENSION	FRAME MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO	75.0" x 82.0"	WOOD	+45.0	-50.0	+40.0	-40.0
OXO, XOO, OOX	112.5" x 82.0"		+45.0	-50.0	+40.0	-40.0
OX, XO	75.0" x 82.0"	COMPOSITE	+35.0	-40.0	+40.0	-40.0
OXO, XOO, OOX	112.5" x 82.0"		+35.0	-40.0	+40.0	-40.0

GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 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

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: 12/05/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46117.3
SHEET 1 OF 12



Technical cross-section diagram of a composite railing system, showing three views: top rail, glass panel, and bottom rail assembly.

Top Rail (COMP): The top rail is shown in cross-section, featuring a textured, stippled surface. A dimension line indicates a height of 1" from the top of the rail to the top of the glass panel.

Fiberglass Skin: The fiberglass skin is the outer layer of the glass panel, shown with a stippled texture.

Interior / Exterior: The diagram is labeled with "INTERIOR" on the left and "EXTERIOR" on the right, indicating the orientation of the railing.

G1 G2 G3 G4: These labels are positioned to the right of the glass panel, likely indicating specific glass types or grades.

Foam Core: The foam core is the inner layer of the glass panel, shown with a stippled texture.

Bottom Rail (COMP): The bottom rail is shown in cross-section, featuring a textured, stippled surface. A dimension line indicates a height of 1" from the bottom of the rail to the bottom of the glass panel.

2 VERTICAL CROSS SECTION

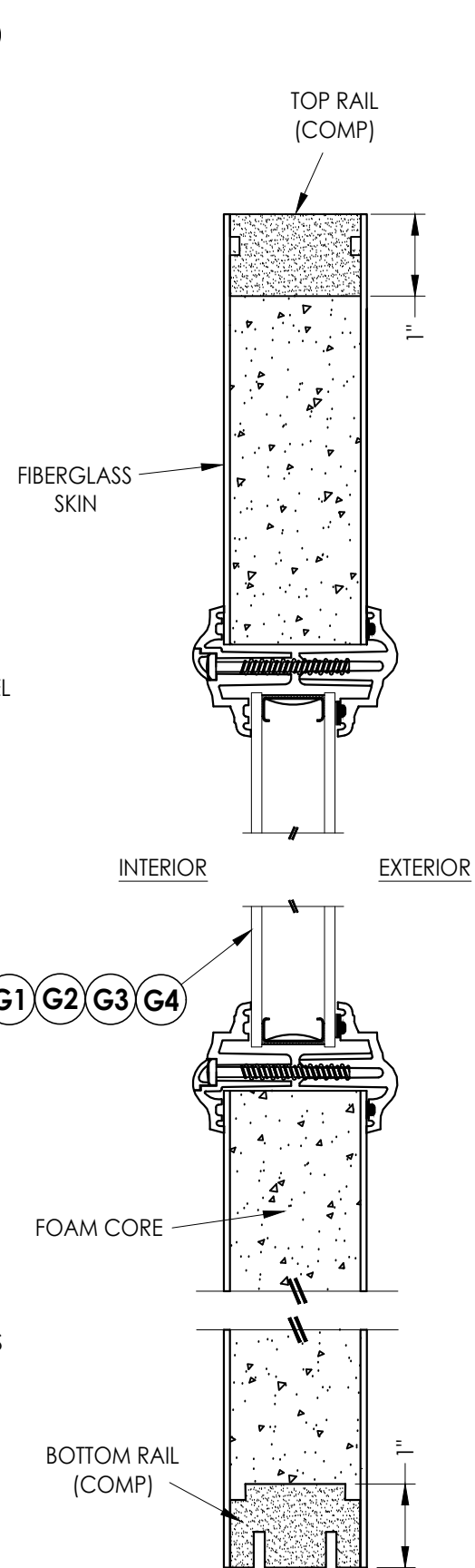
R^{qW} BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY: DOOR
PANEL DETAILS

[illegible]

SHEET 2 OF 12

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



GRIDS BETWEEN GLASS DECORATIVE BLINDS BETWEEN GLASS

1" OVERALL GLASS THK.

1/8" TEMPERED GLASS

AIR SPACE

GRID INSERT

1/8" TEMPERED GLASS

INTERCEPT SPACER

G2 GLAZING DETAIL
GRIDS BETWEEN GLASS

1" OVERALL GLASS THK.

1/8" TEMPERED GLASS

AIR SPACE

DECORATIVE INSERT

1/8" TEMPERED GLASS

DURASEAL™
(BY TRUSEAL TECHNOLOGIES)

G3 GLAZING DETAIL
DECORATIVE

1" OVERALL GLASS THK.

1/8" TEMPERED GLASS

AIR SPACE

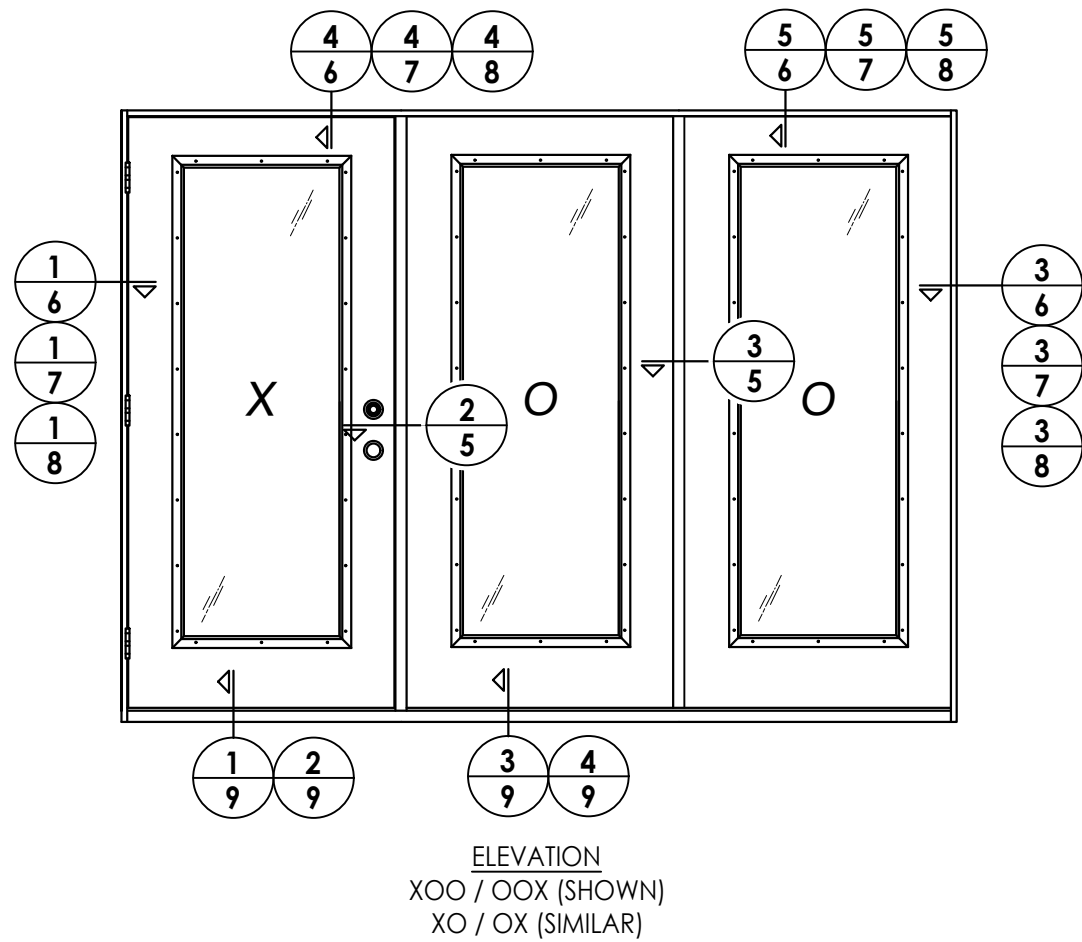
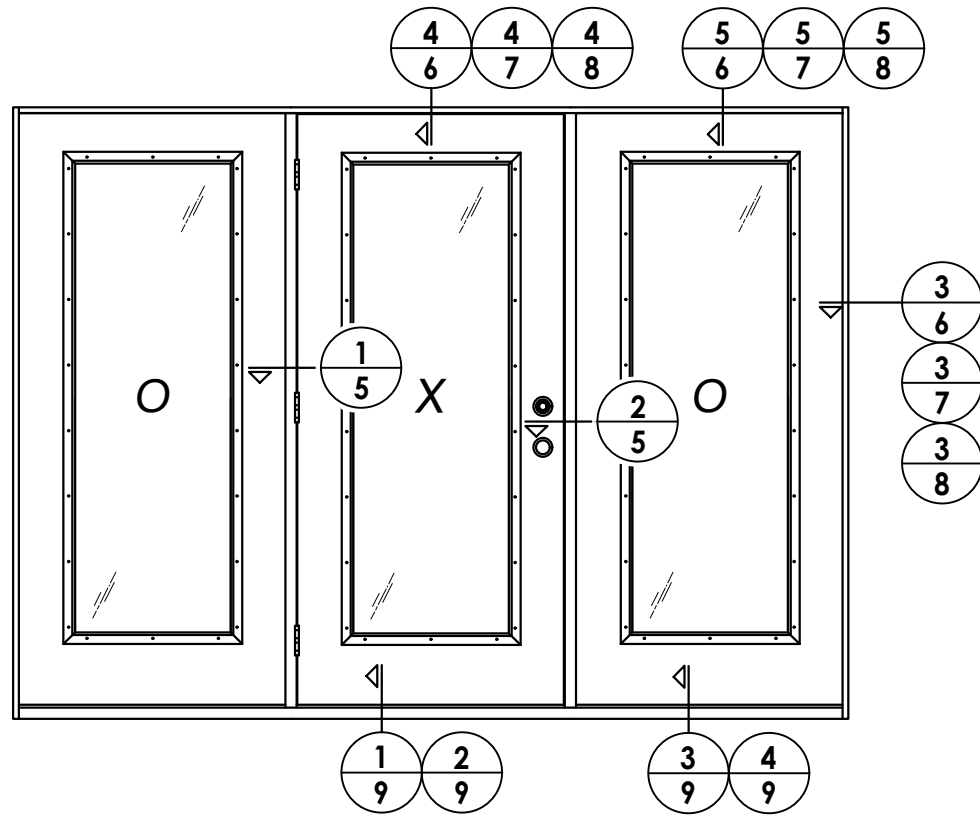
BLIND INSERT

1/8" TEMPERED GLASS

INTERCEPT SPACER

G4 GLAZING DETAIL
BLINDS BETWEEN GLASS

© 2024 R.W. BUILDING CONSULTANTS INC.



DATE:	12/05/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46117.3
SHEET	4 OF 12

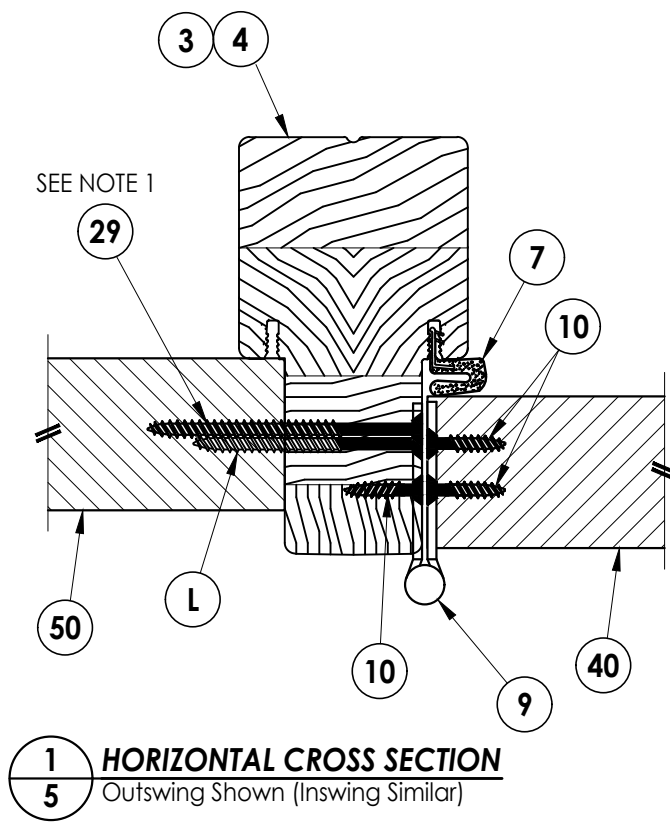
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PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

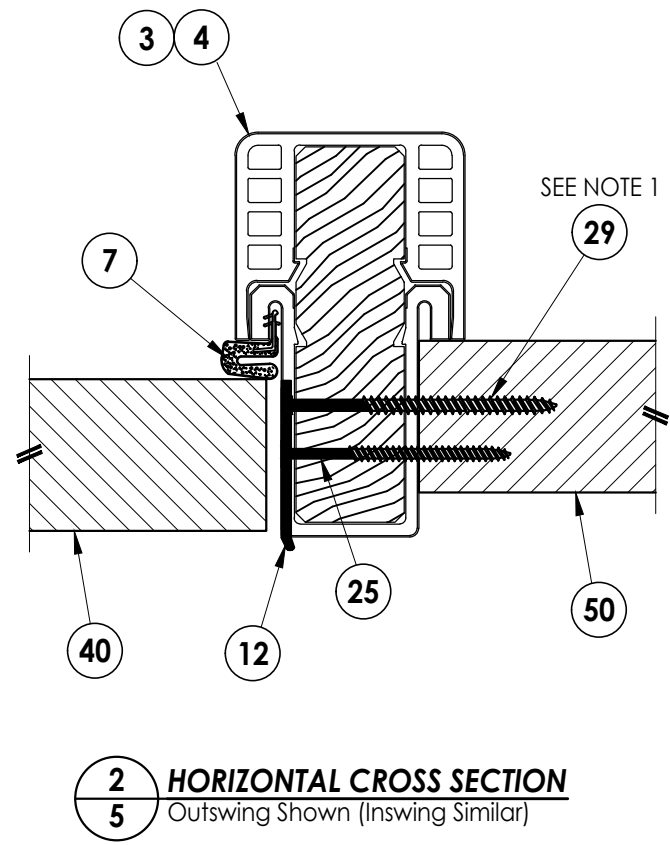
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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



EXTERIOR

INTERIOR



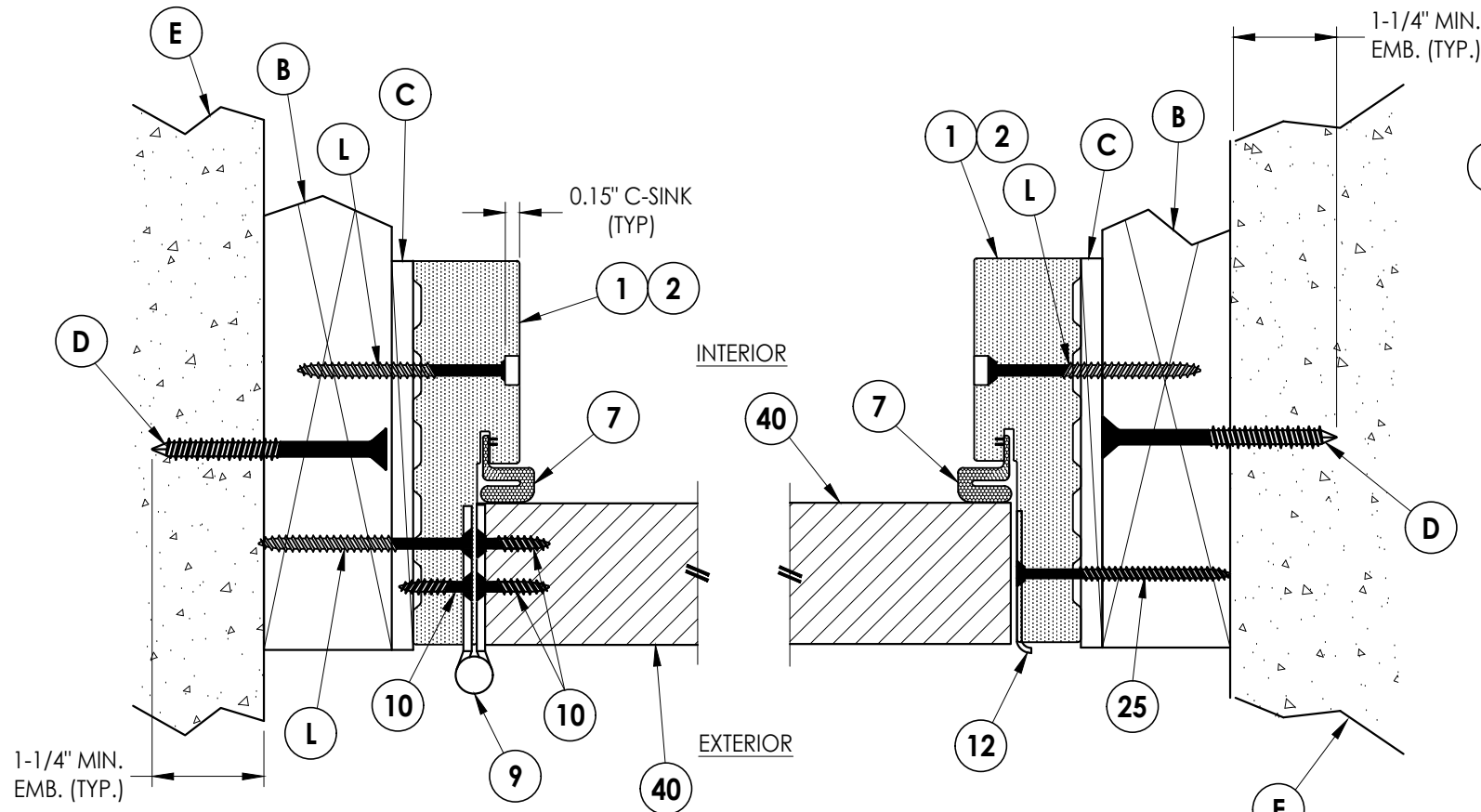
SEE NOTE 1

[illegible]

Notes:

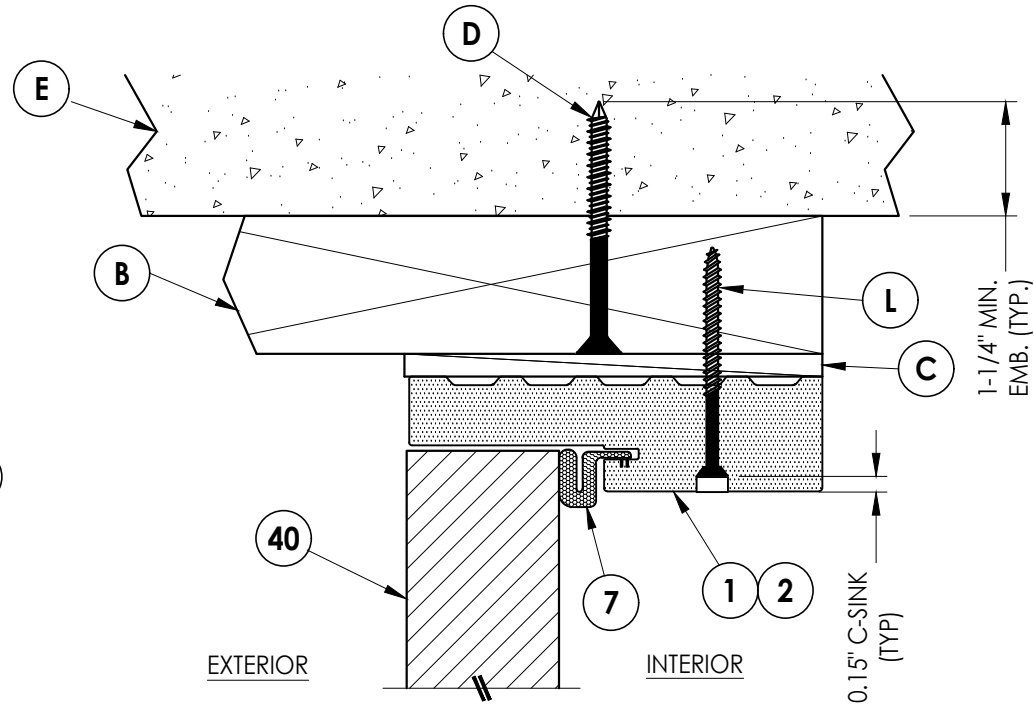
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).

Z:\2023 FBC Drawings\ODL, Inc\FL-46117\FL-46117.3.dwg

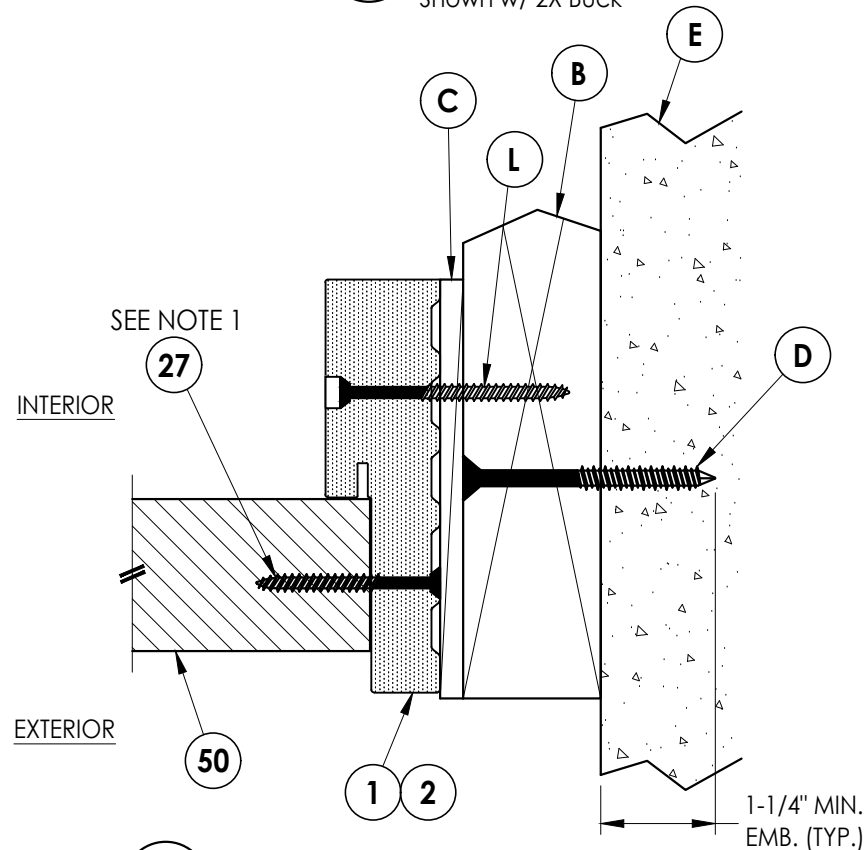


1
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

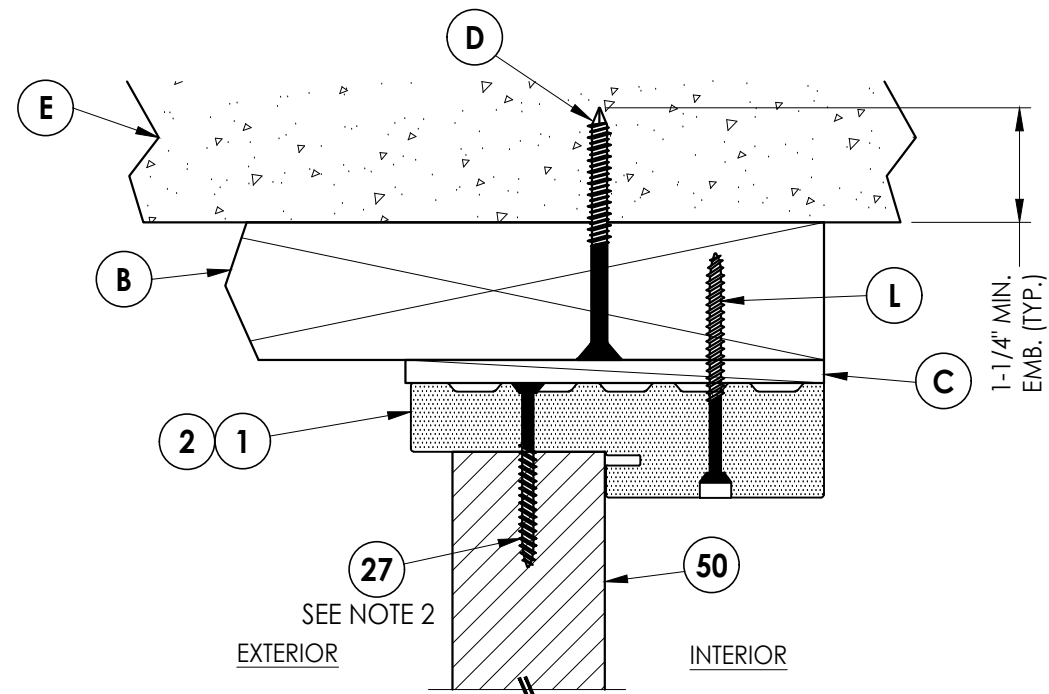
2
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



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:
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 (2X BUCK)

NO.	DATE	BY	REVISIONS

DATE: 12/05/24

SCALE: N.T.S.

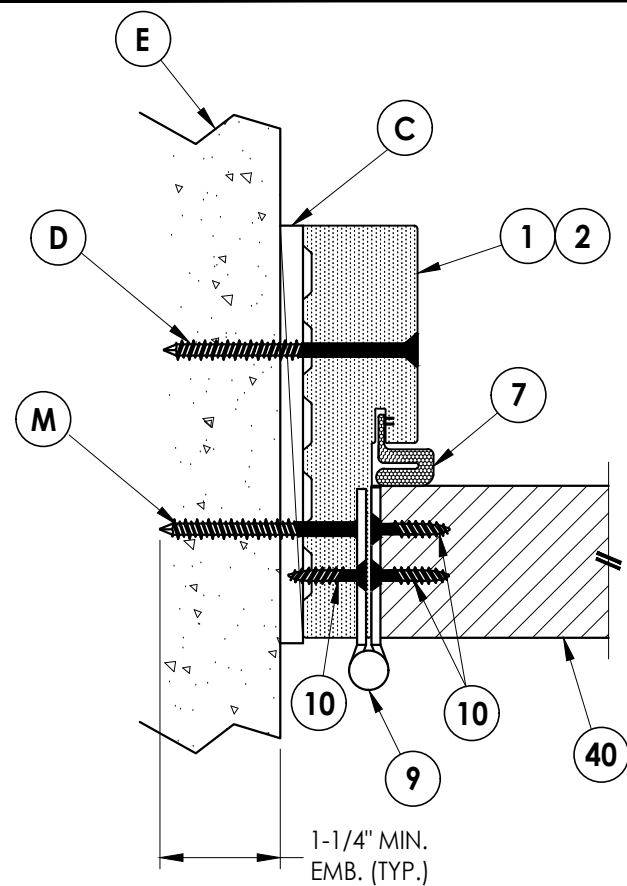
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

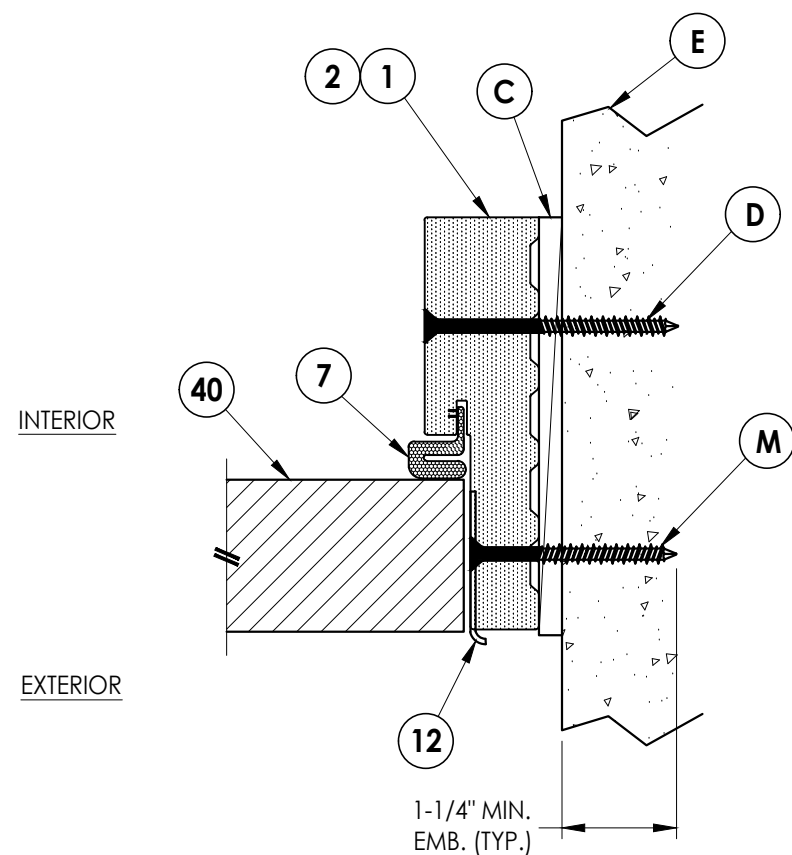
FL-46117.3

SHEET 6 OF 12

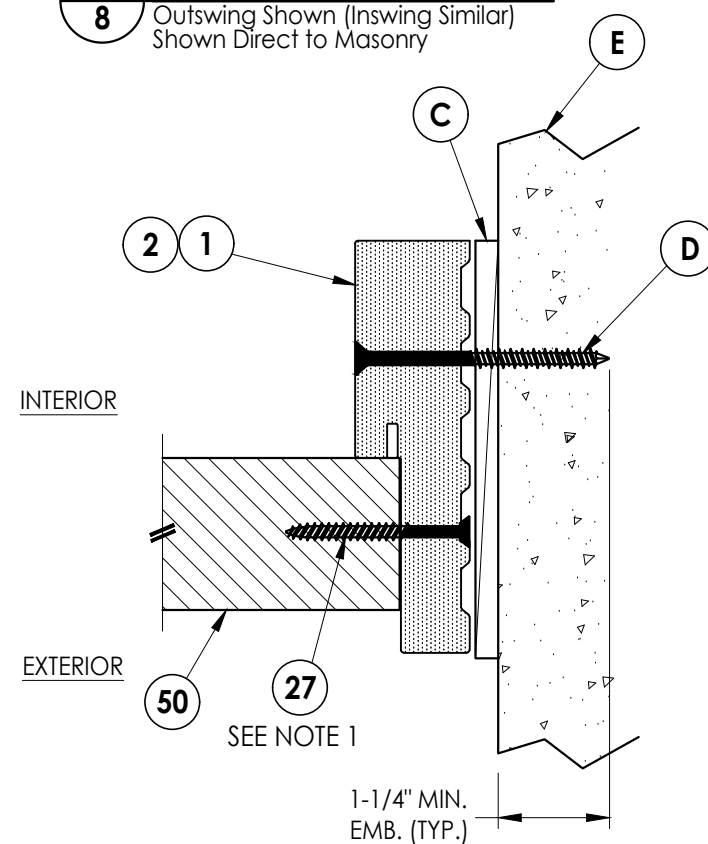


1 8 HORIZONTAL CROSS SECTION

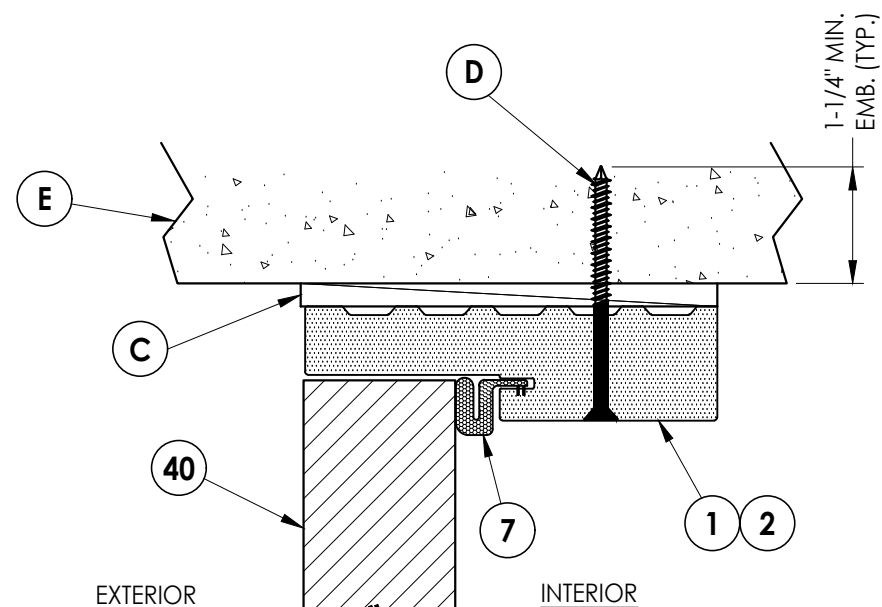
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



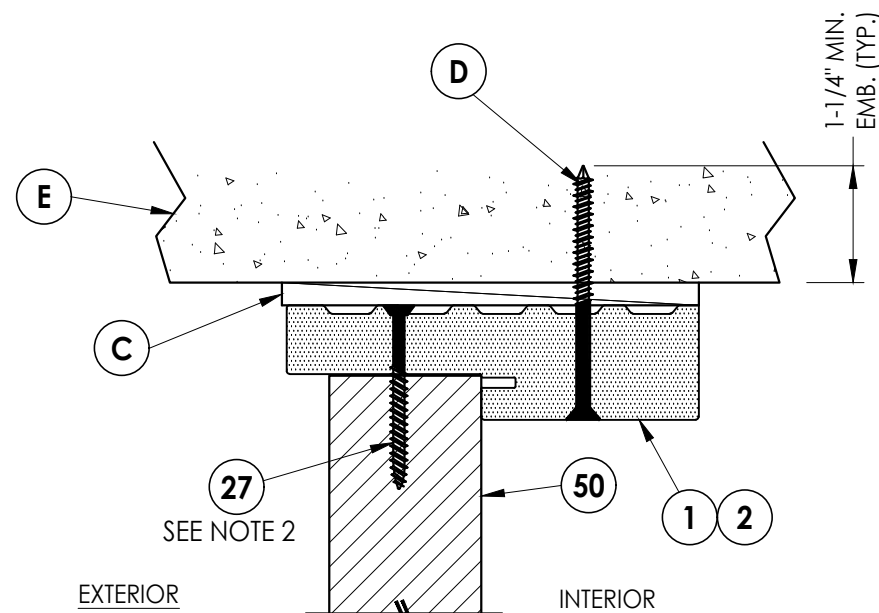
2 **HORIZONTAL CROSS SECTION**
8 Outswing Shown (Inswing Similar)
 Shown Direct to Masonry



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



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



5 **VERTICAL CROSS SECTION**
8 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

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)

[illegible]

DATE: 12/05/24

SCALE: *N.T.S.*

DWG. BY: *LFS*

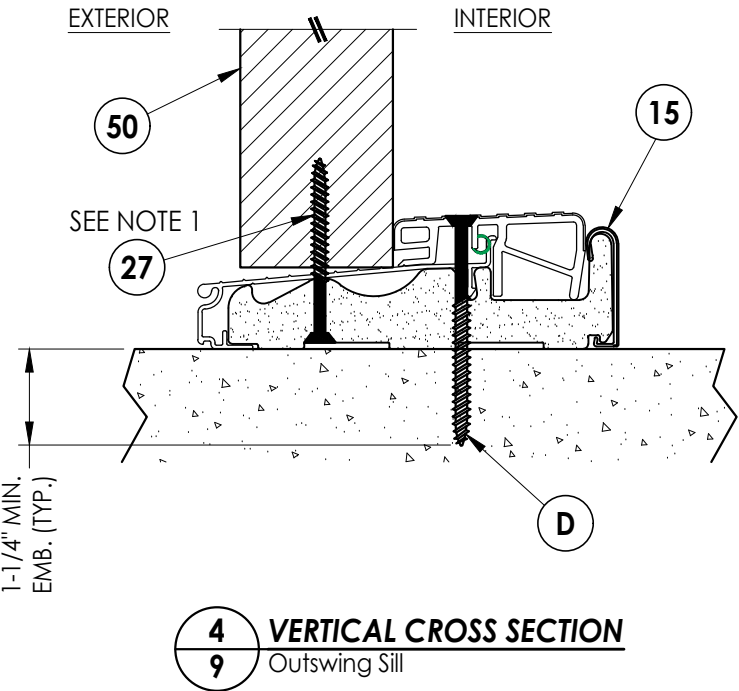
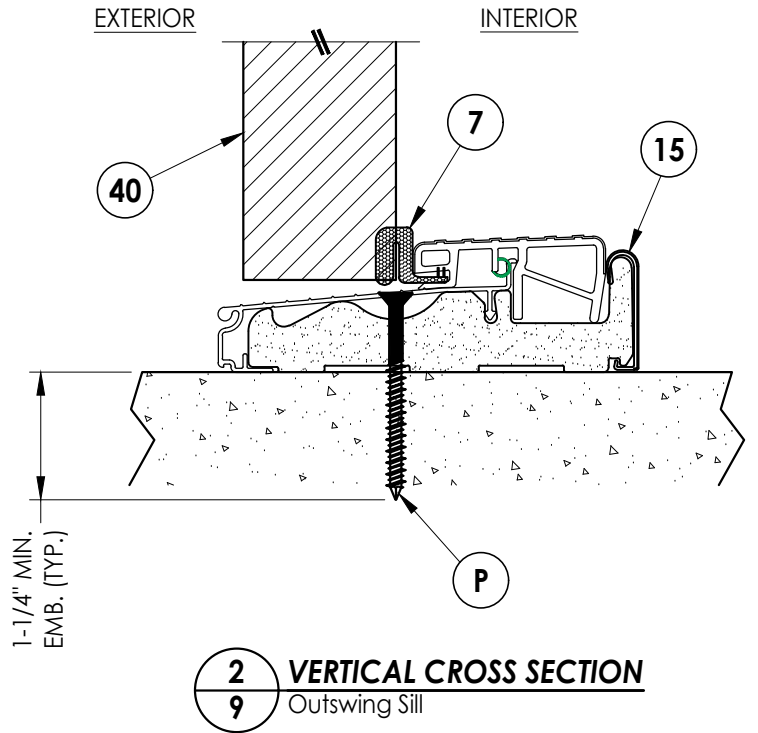
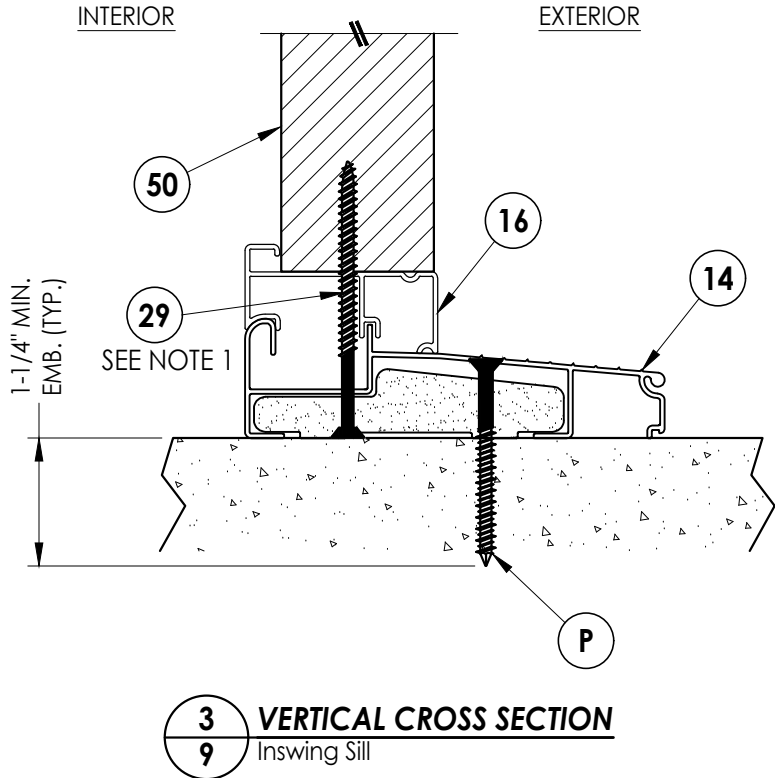
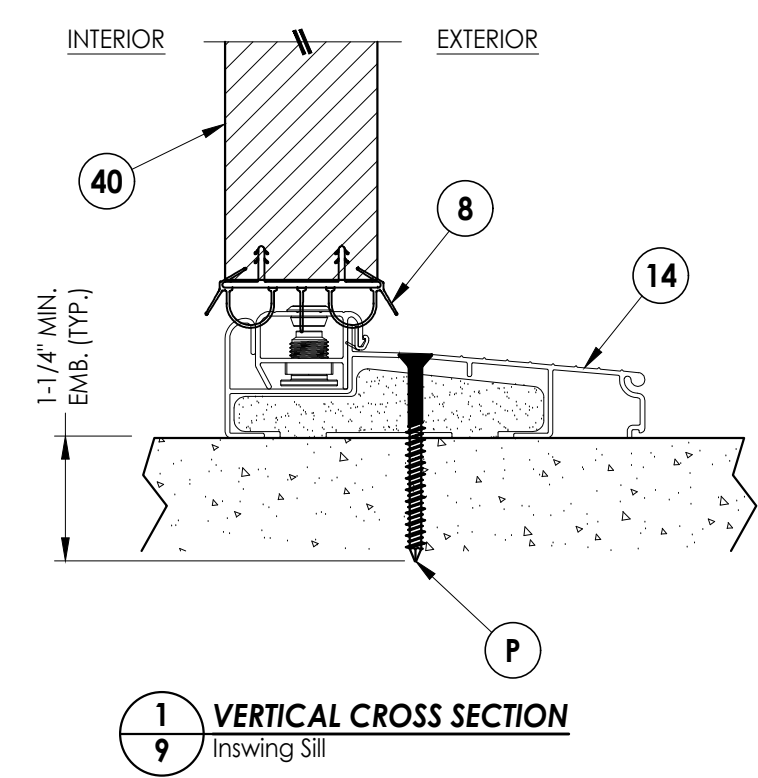
CHK. BY: *RW*

DRAWING NO.:

FL-46117.3

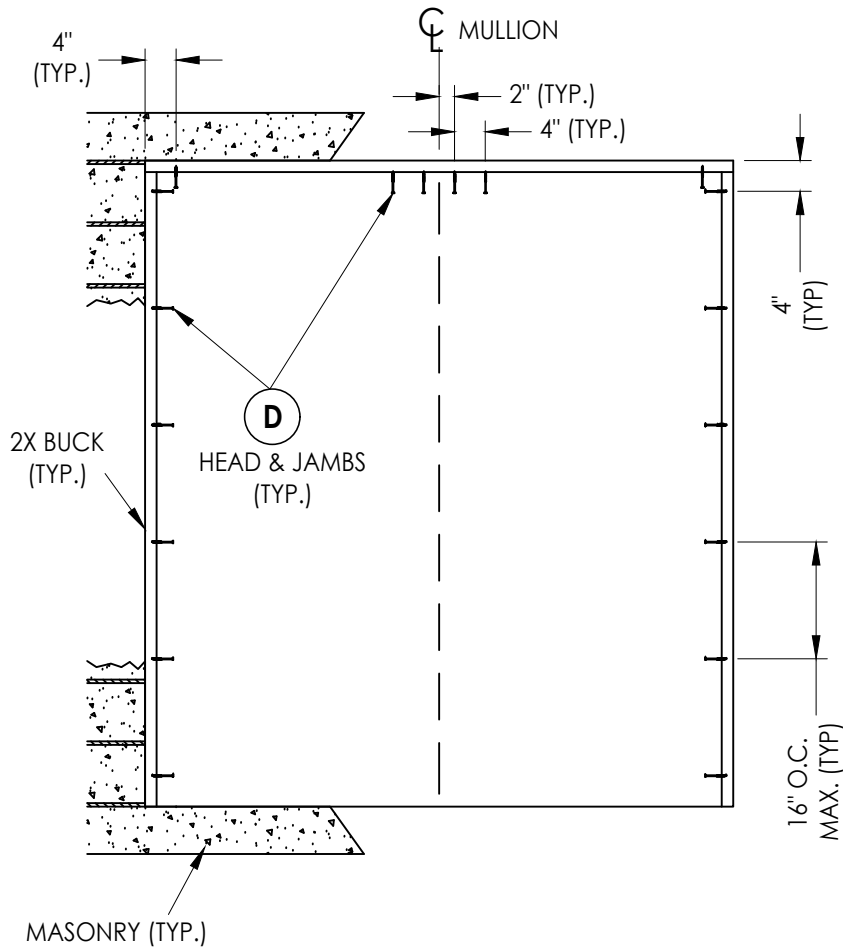
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Note:
1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

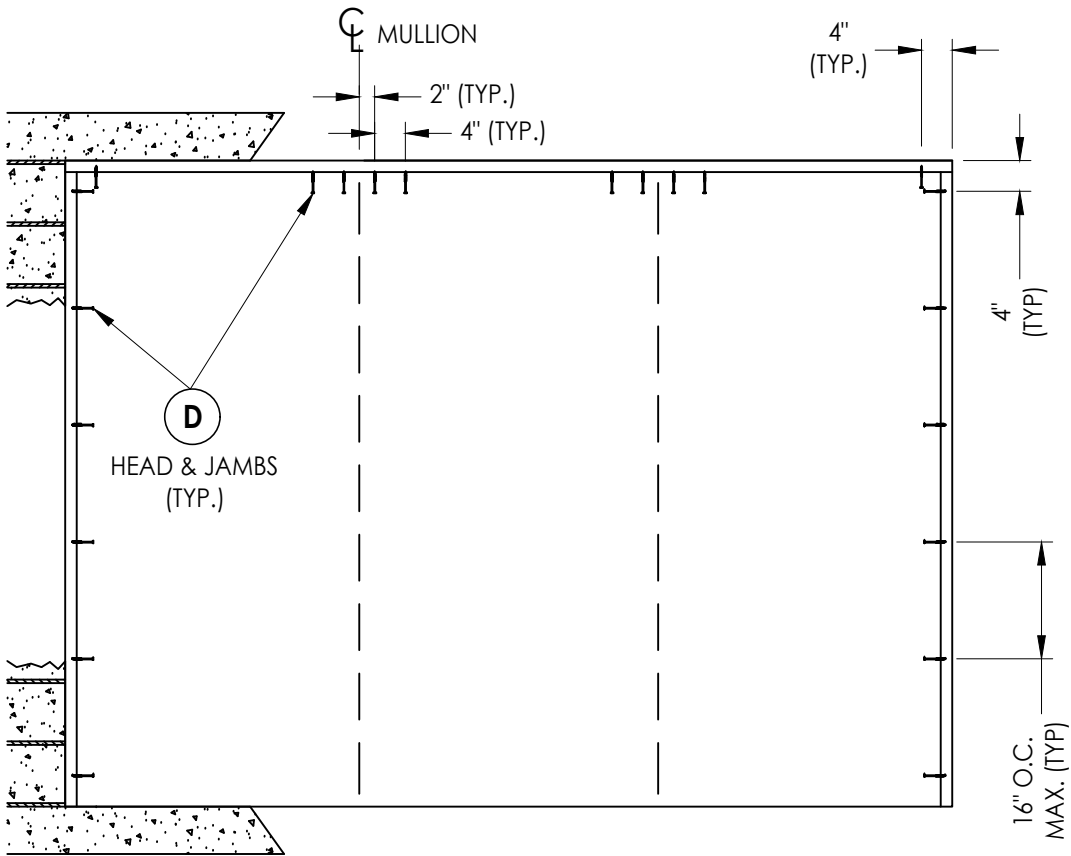


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	

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XO, OX



OXO, OOX, XOO

2X BUCK ANCHORING

DATE: 12/05/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46117.3
SHEET 10 OF 12

NO.	DATE	BY	REVISIONS

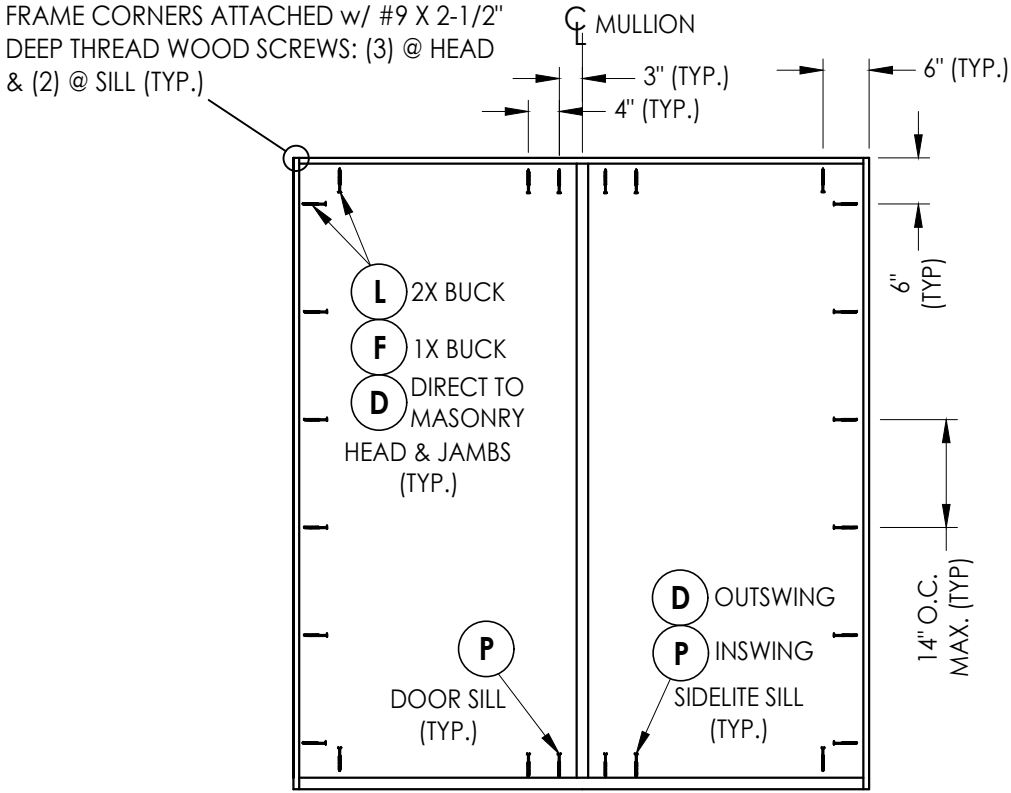
PRODUCT:	ODL FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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

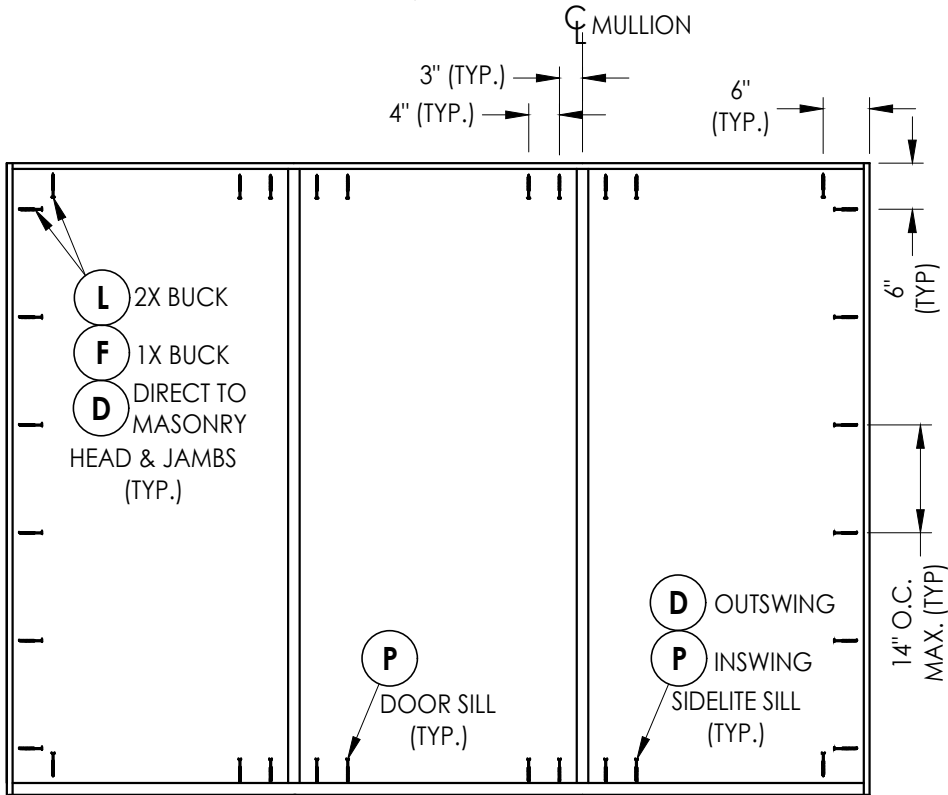
RW

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

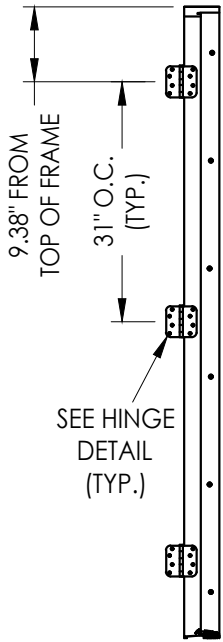
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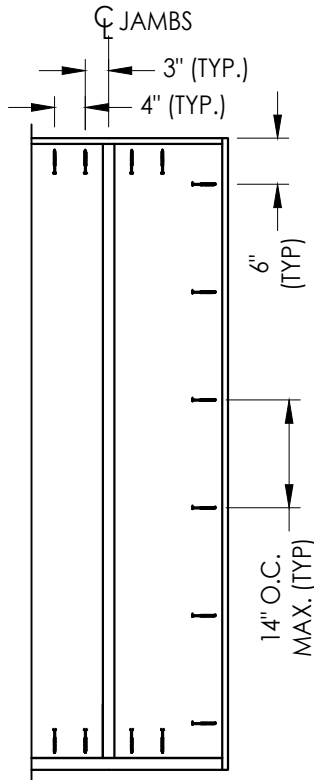
XO, OX



OXO, OOX, XOO
FRAME ANCHORING

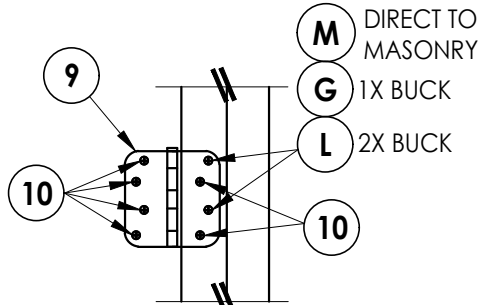


HINGE JAMB

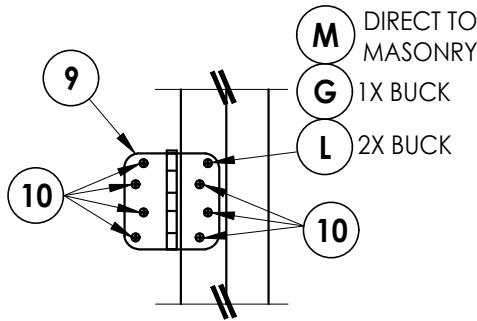


ALL ANCHORS SAME AS OXO

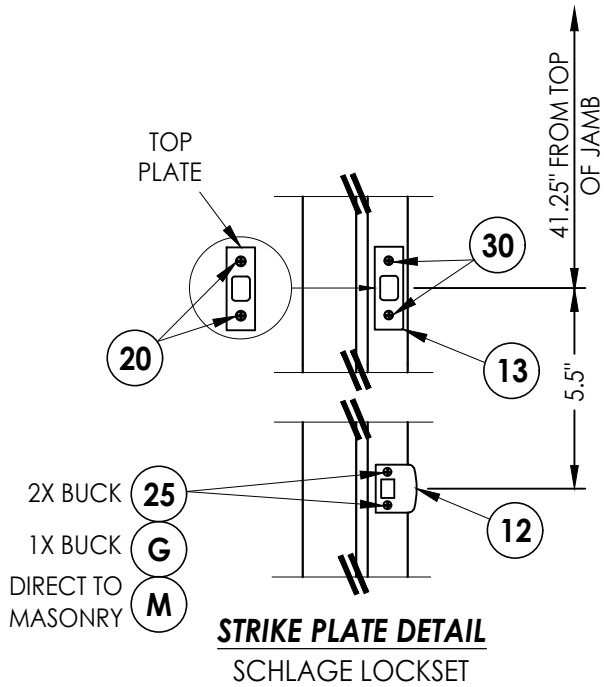
Shown w/ 14" Sidelite



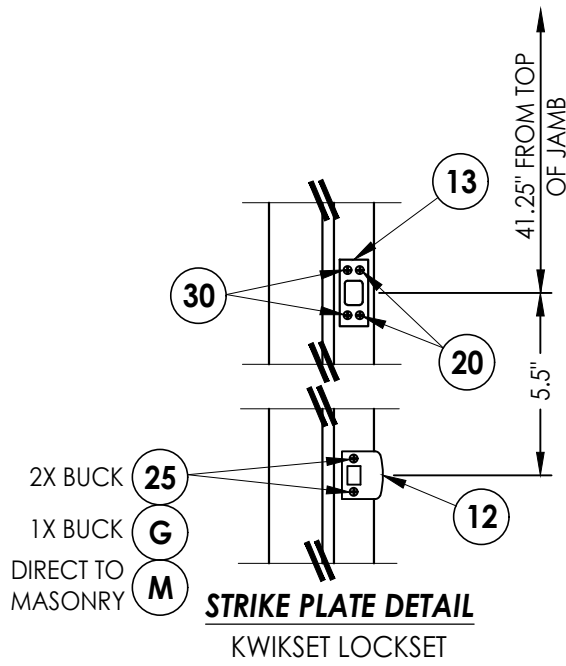
HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



STRIKE PLATE DETAIL
SCHLAGE LOCKSET



STRIKE PLATE DETAIL
KWIKSET LOCKSET

HARDWARE 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

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

REVISIONS			
NO.	DATE	BY	

DATE: 12/05/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46117.3

SHEET 11 OF 12

Z:\2023 FBC Drawings\ODL, Inc\FL-46117\FL-46117.3.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	-

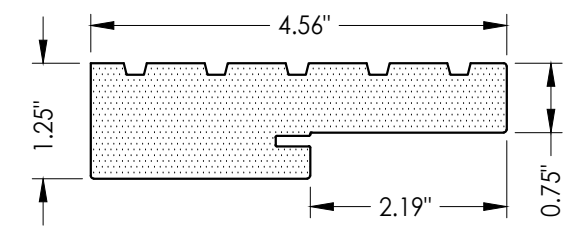
CONCRETE ANCHOR NOTES:

- 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:

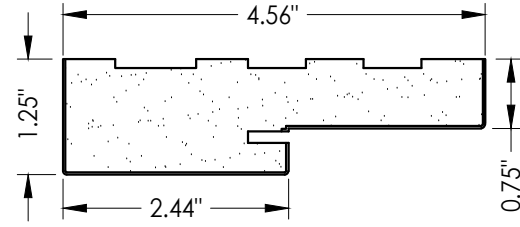
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

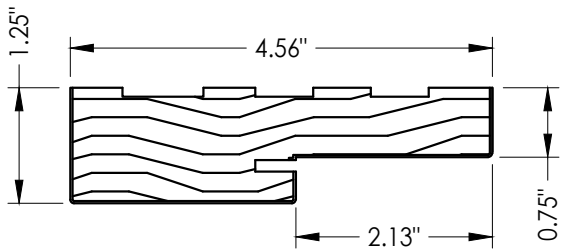
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



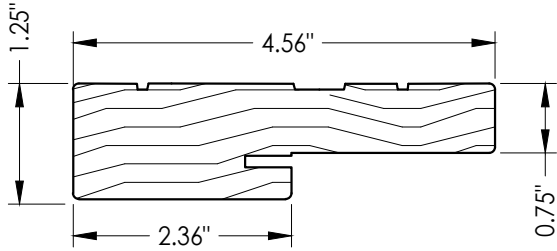
1 COMPOSITE JAMB
WORLDWIDE 4EVER COMPOSITE FRAME



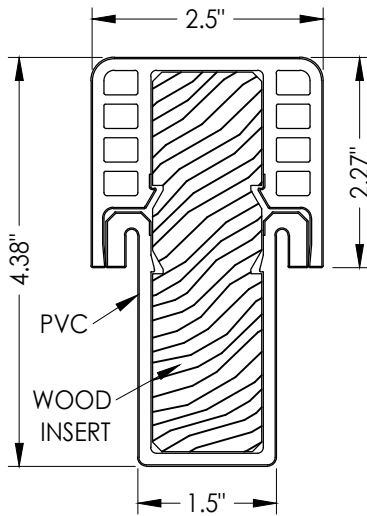
1 COMPOSITE JAMB
PLASTPRO POLY FIBER JAMB



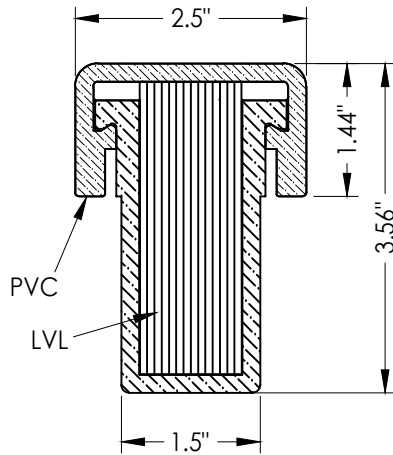
2 WOOD JAMB
FINGER JOINTED PINE



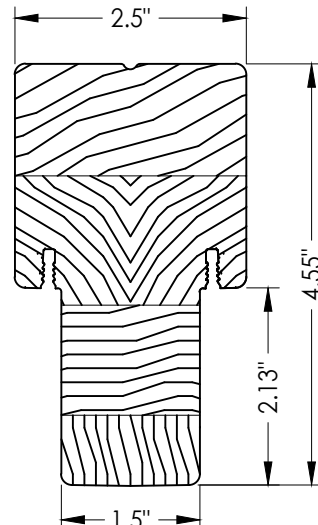
2 WOOD JAMB
ENDURA FrameSaver



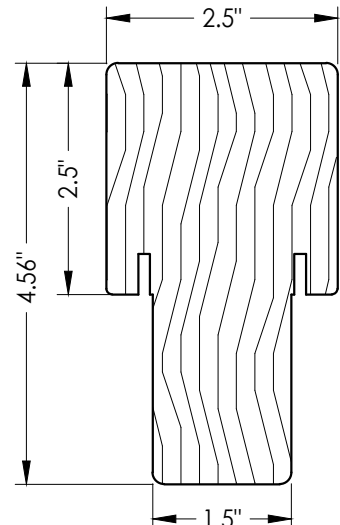
3 COMPOSITE MULLION
ENDURA FUSION
w/ PVC Boot



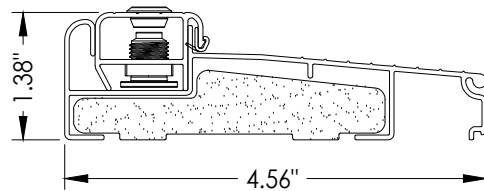
3 COMPOSITE MULLION
PLASTPRO (3-Piece)
w/ PVC Boot



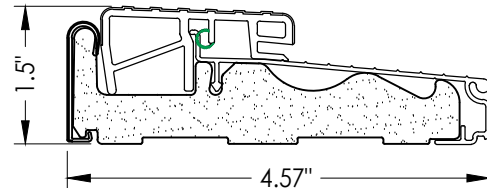
4 WOOD MULLION
PINE



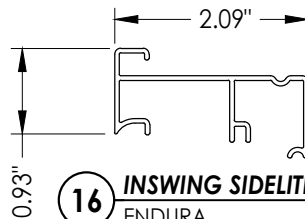
4 WOOD MULLION
ENDURA FrameSaver



14 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



15 OUTSWING THRESHOLD
ENDURA Z SERIES



16 INSWING SIDELITE BASE
ENDURA

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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: 12/05/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46117.3

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