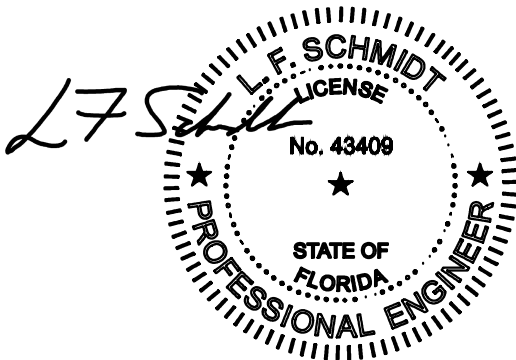




215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

GLAZED FIBERGLASS DOOR
DOUBLE w/ SIDELITES
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.

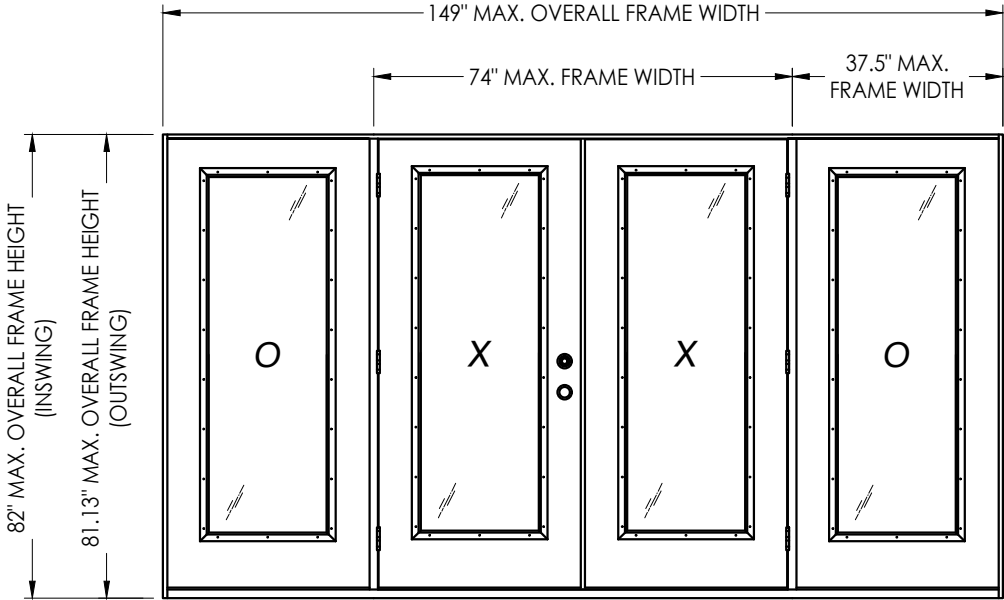
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

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.



OXXO
CONTINUOUS HEAD & SILL

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXXO	149" x 82.0"	+45.0	-50.0	+45.0	-45.0

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 & Frame Anchoring & Hardware Details
5	Horizontal Cross Sections	11	Bill of Materials & Components
6	Horizontal & Vertical Cross Sections (2X Buck)		

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



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.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY: DOOR
PANEL DETAILS

[illegible]

SHEET 2 OF 11

Technical drawings of two panel configurations, labeled 1/3 and 2/3, showing dimensions and fastener specifications.

Configuration 1/3 (Left):

- Overall Dimensions: 79.25" MAX. PANEL HEIGHT, 20.75" MAX. D.L.O. WIDTH, 35.75" MAX. PANEL WIDTH.
- Inner Panel Dimensions: 62.88" MAX. D.L.O. HEIGHT.
- Fasteners: #8 X 1-1/2" PPH SMS (HI-LO THREAD) (22 TOTAL).
- Callout: 1/3.

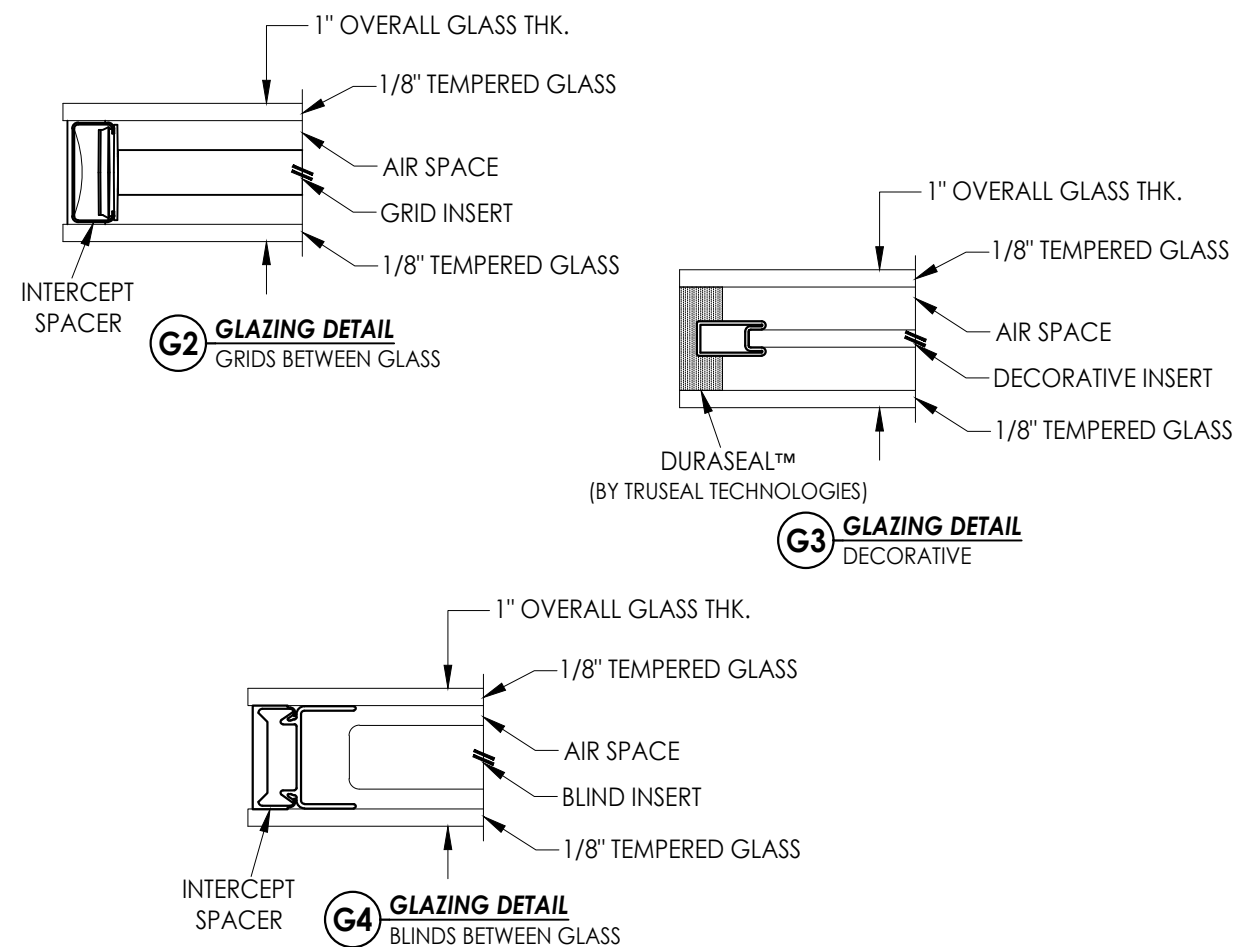
Configuration 2/3 (Right):

- Overall Dimensions: 13.88" MAX. PANEL WIDTH, 6.75" MAX. D.L.O. WIDTH.
- Fasteners: #8 X 1-1/2" PPH SMS (HI-LO THREAD) (20 TOTAL).
- Callout: 2/3.

The technical drawings illustrate the rail assembly in three views:

- Top View:** Shows the rail assembly with labels for "TOP RAIL (COMP)", "FIBERGLASS SKIN", and a dimension of "1\"". The assembly is shown in cross-section, revealing the internal structure.
- Side View:** Shows the rail assembly with labels for "INTERIOR" and "EXTERIOR". It includes a detail view of the rail assembly showing the "FOAM CORE" and "BOTTOM RAIL (COMP)".
- Bottom View:** Shows the rail assembly with labels for "G1", "G2", "G3", and "G4". It includes a detail view of the rail assembly showing the "FOAM CORE" and "BOTTOM RAIL (COMP)".

ALTERNATE GLAZING DETAILS



Documents Prepared By:
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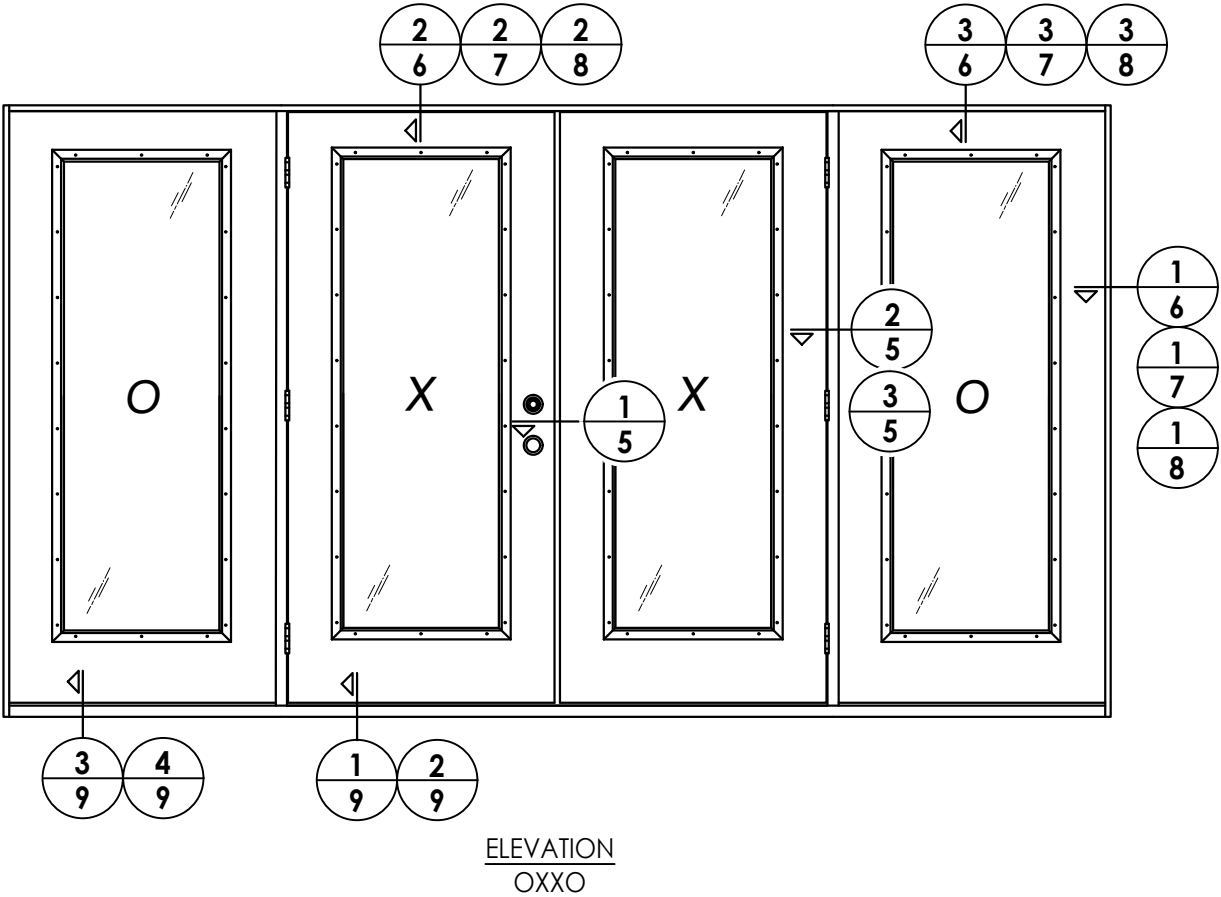
PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:

[illegible]

FL-46117.5

SHEET 3 OF 11



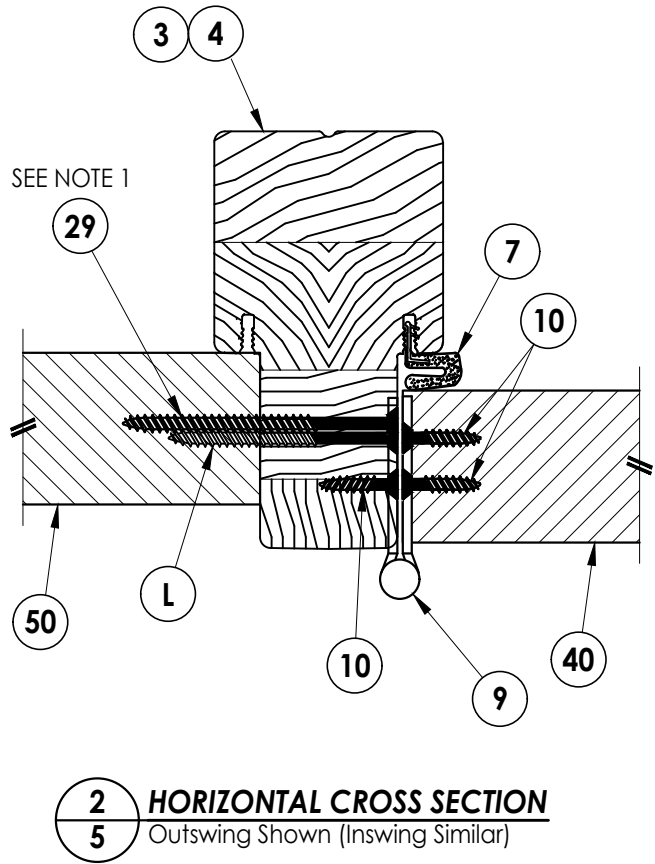
DATE: 12/05/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46117.5
SHEET 4 OF 11

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

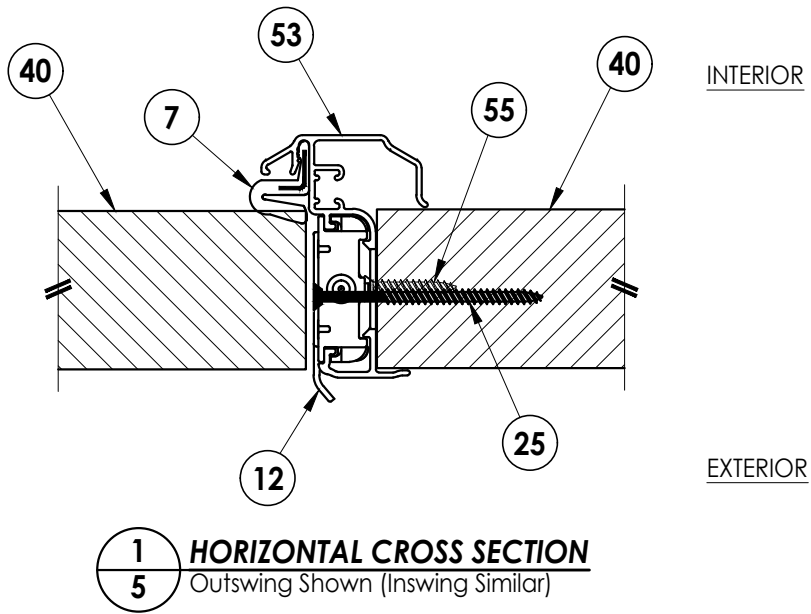
Documents Prepared By:
Lyndon F. Schmidt
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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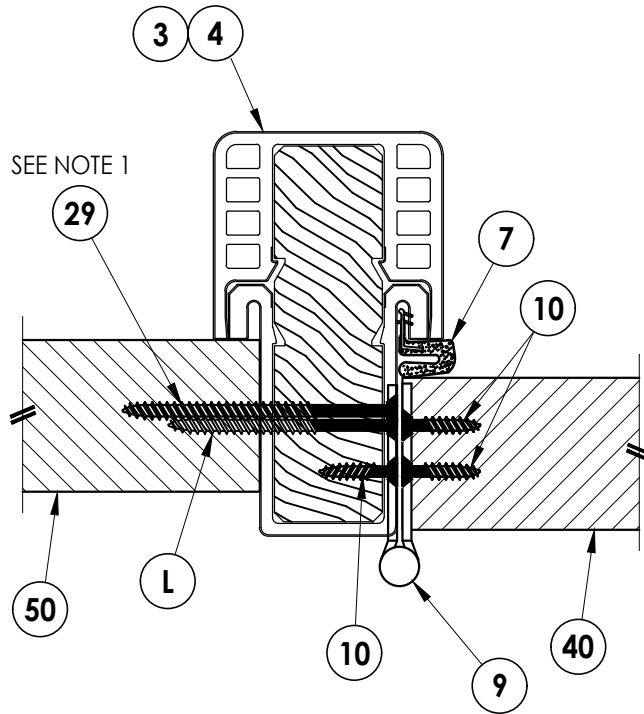
Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



2
5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)



1
5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)

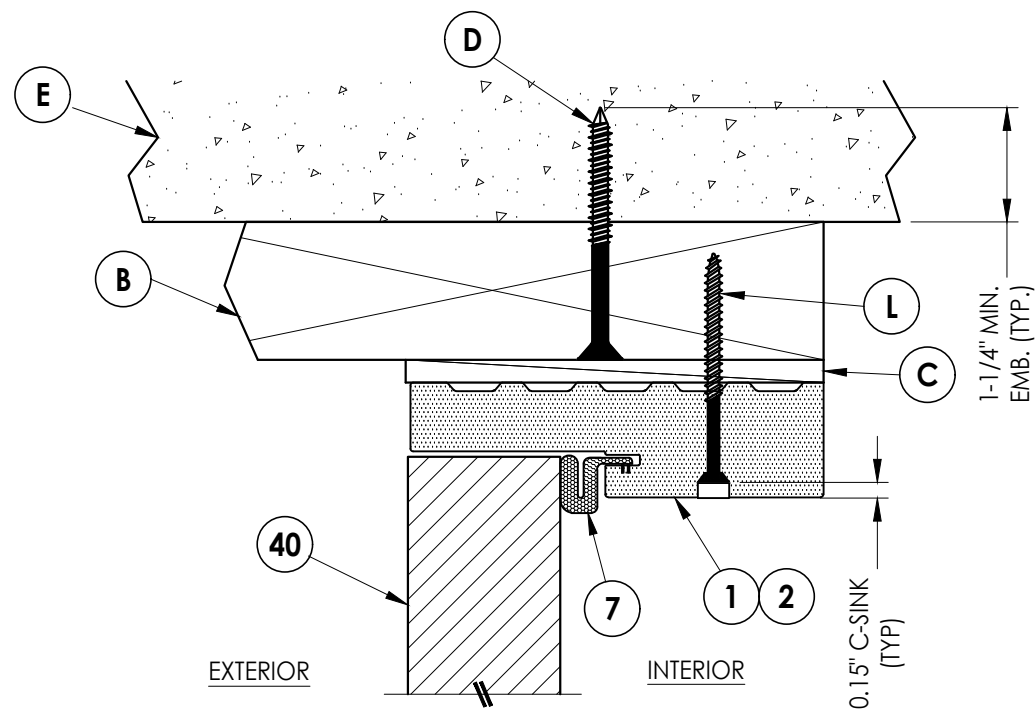
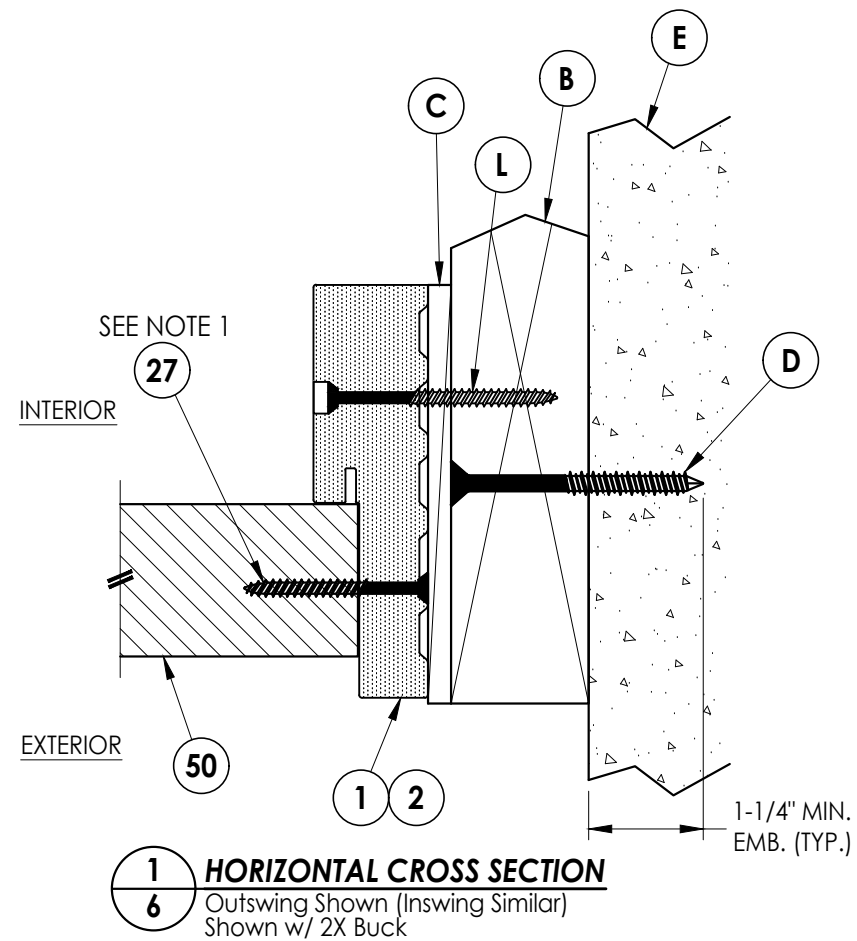


3
5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)

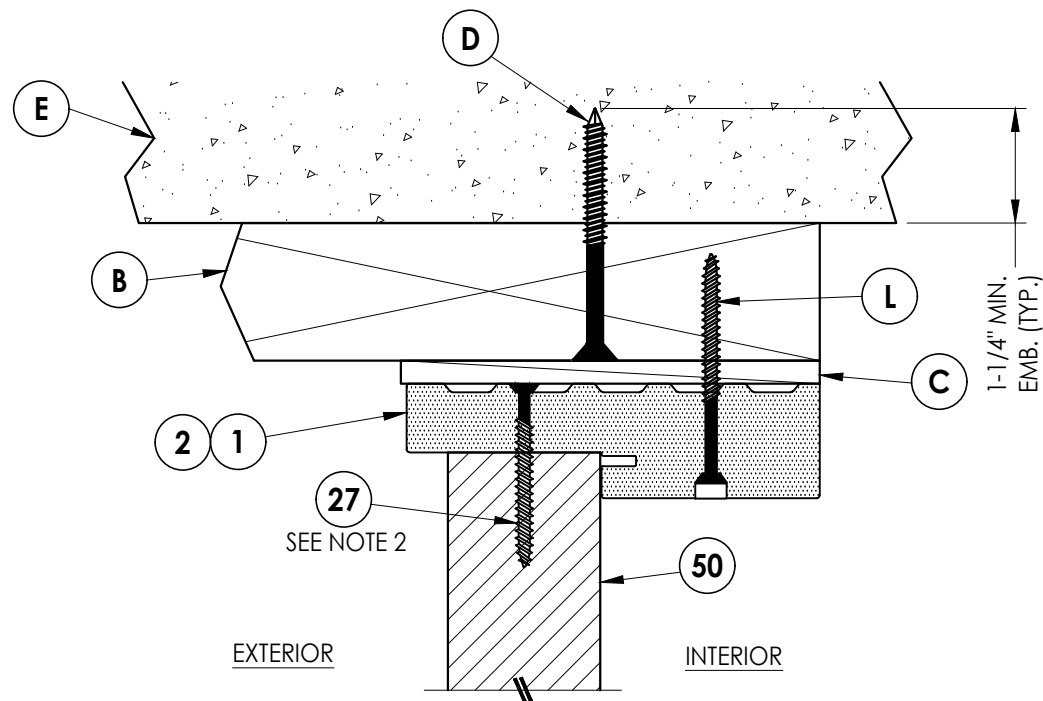
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
		BY	
		REVISIONS	
		NO. DATE	
		DATE: 12/05/24	
		SCALE: N.T.S.	
		DWG. BY: LFS	
		CHK. BY: RW	
		DRAWING NO.: FL-46117.5	
		SHEET 5 OF 11	

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.

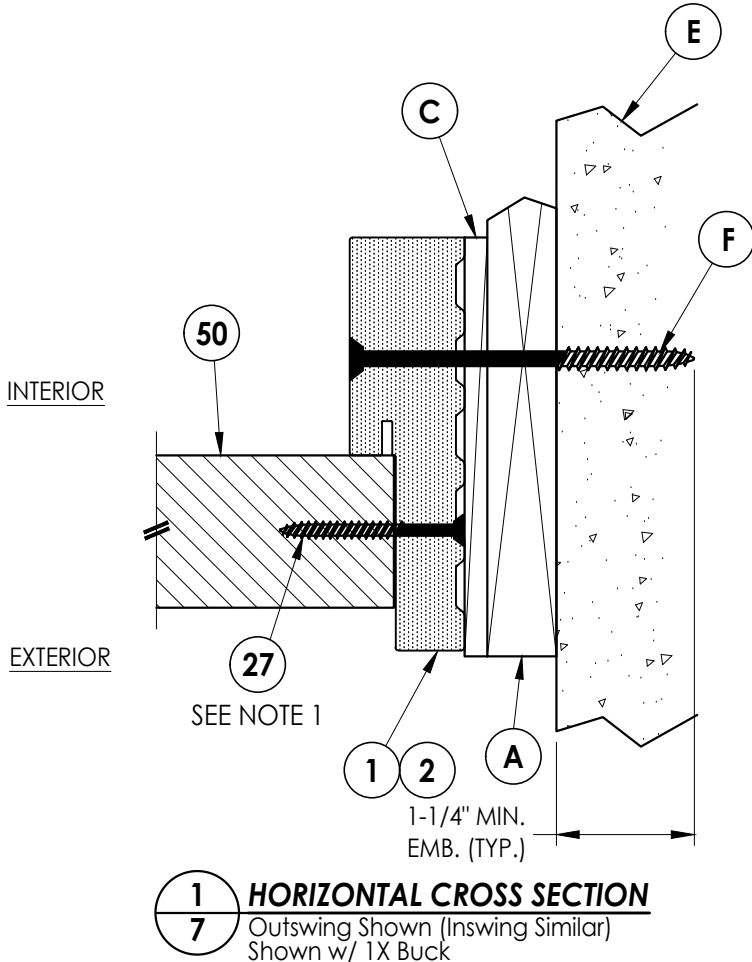


2 VERTICAL CROSS SECTION
6 Outswing Shown (Inswing Similar)
 Shown w/ 2X Buck



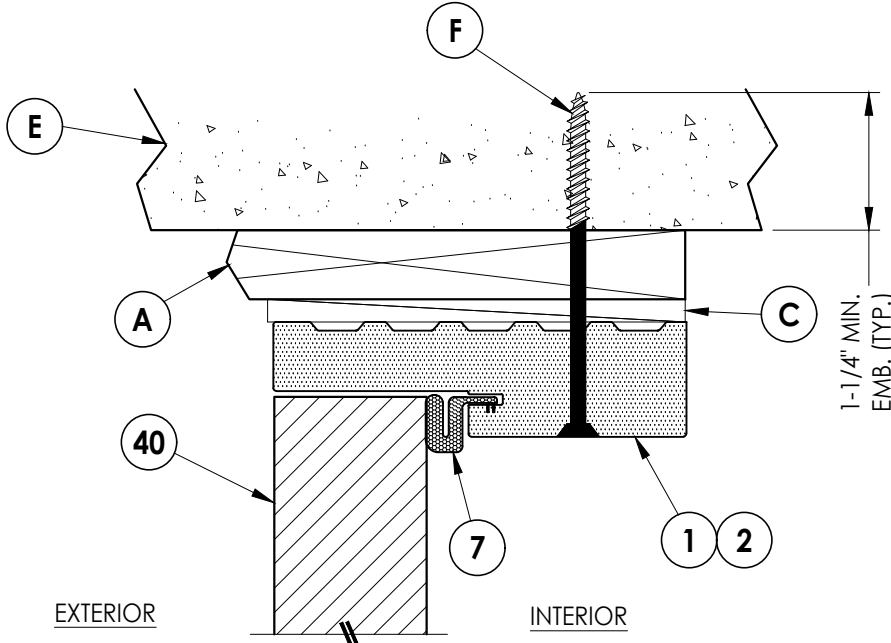
3 VERTICAL CROSS SECTION
6 Outswing Shown (Inswing Similar)
 Shown w/ 2X Buck

[illegible]



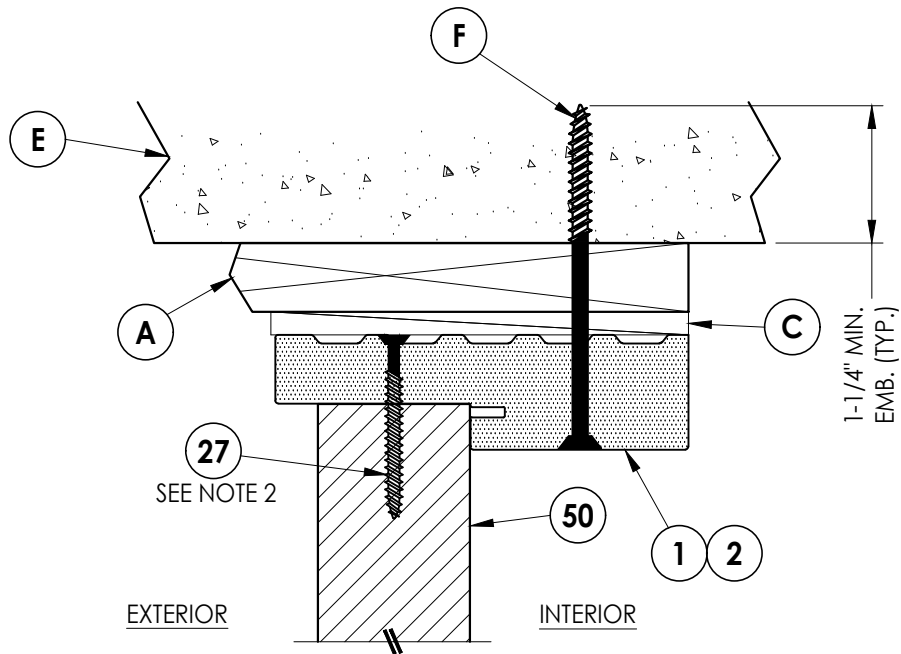
Notes:

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.



2 VERTICAL CROSS SECTION

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



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

[illegible]

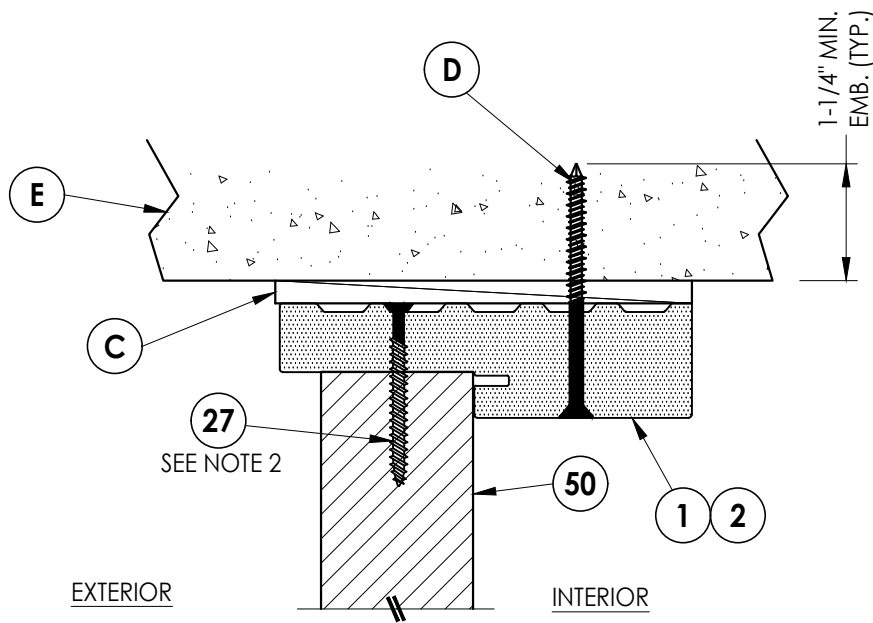
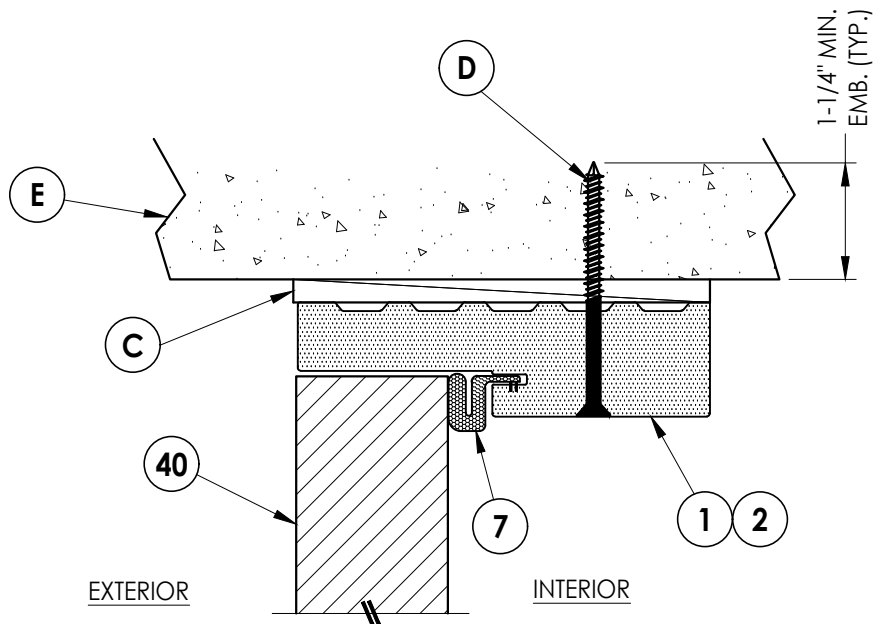
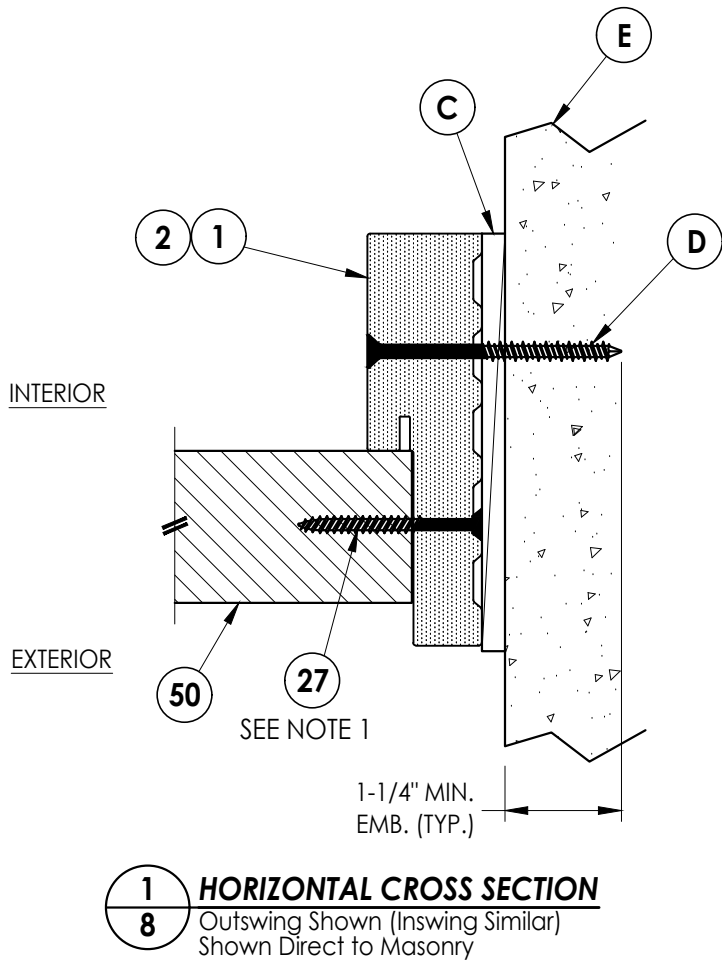
Documents Prepared By:
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FBPE Registry No. 9813

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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.



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 (DIRECT TO MASONRY)

NO.	DATE	REVISIONS	BY

DATE: 12/05/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

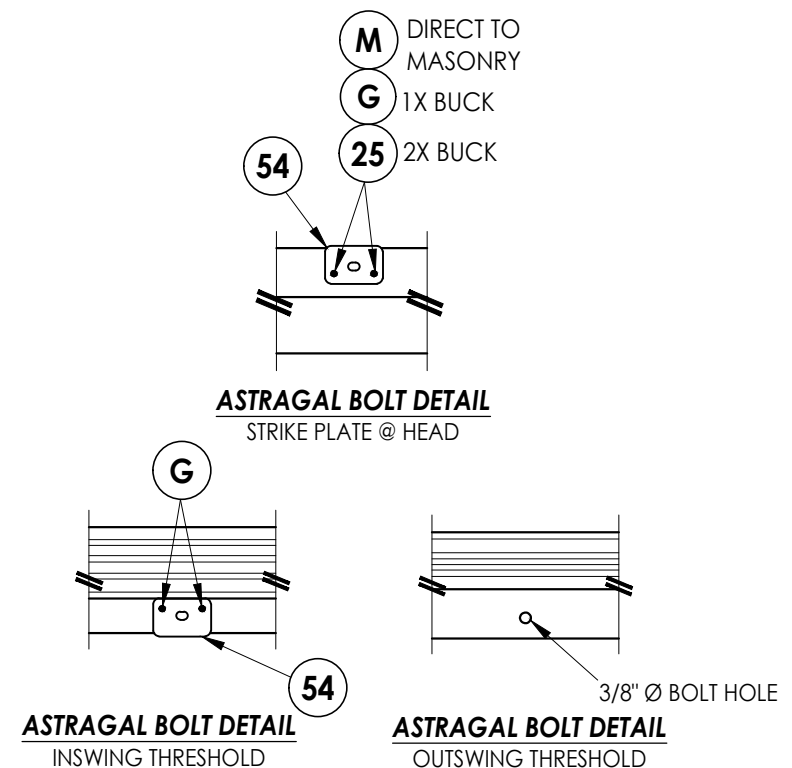
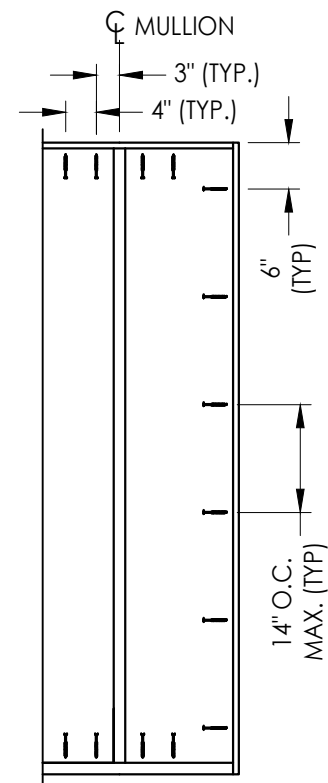
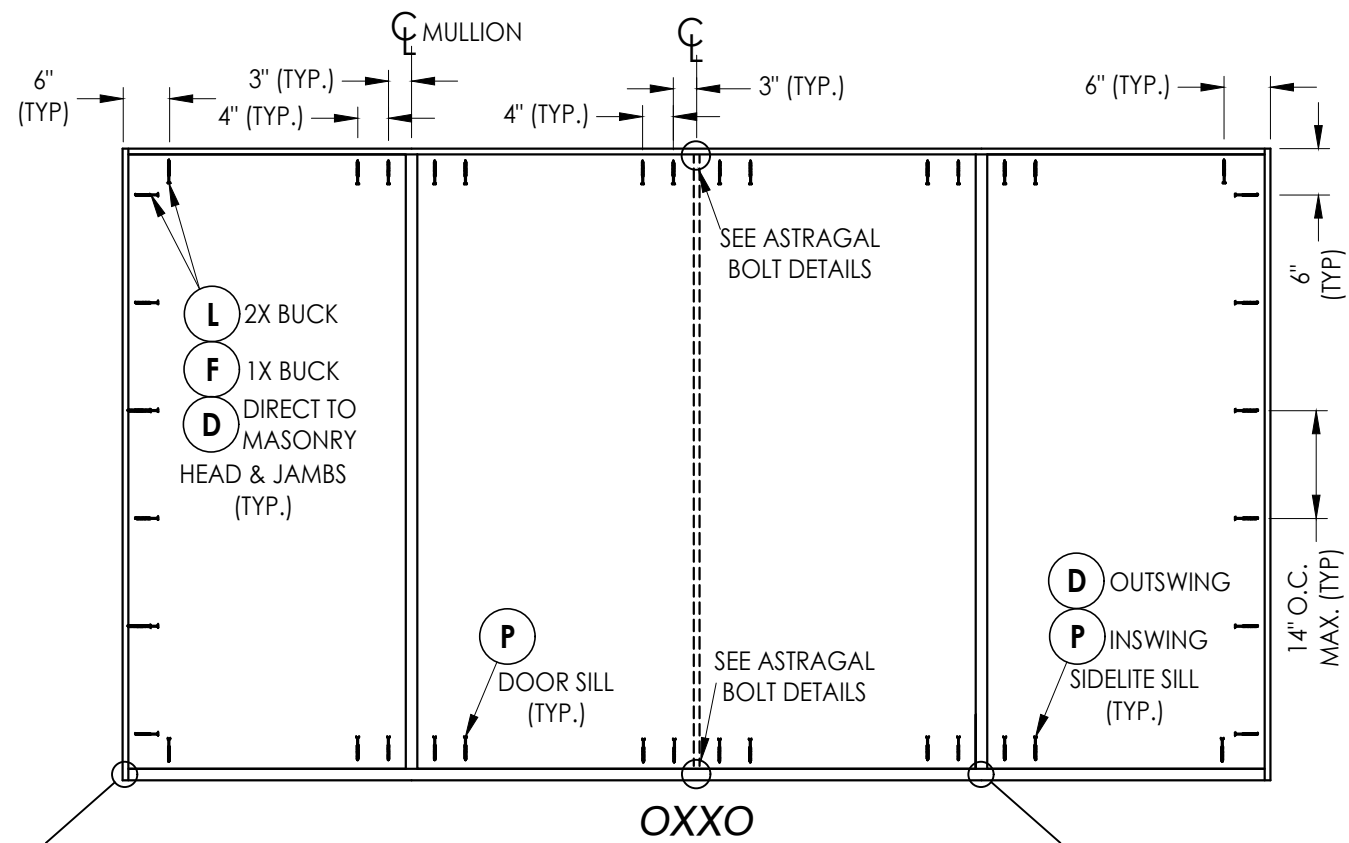
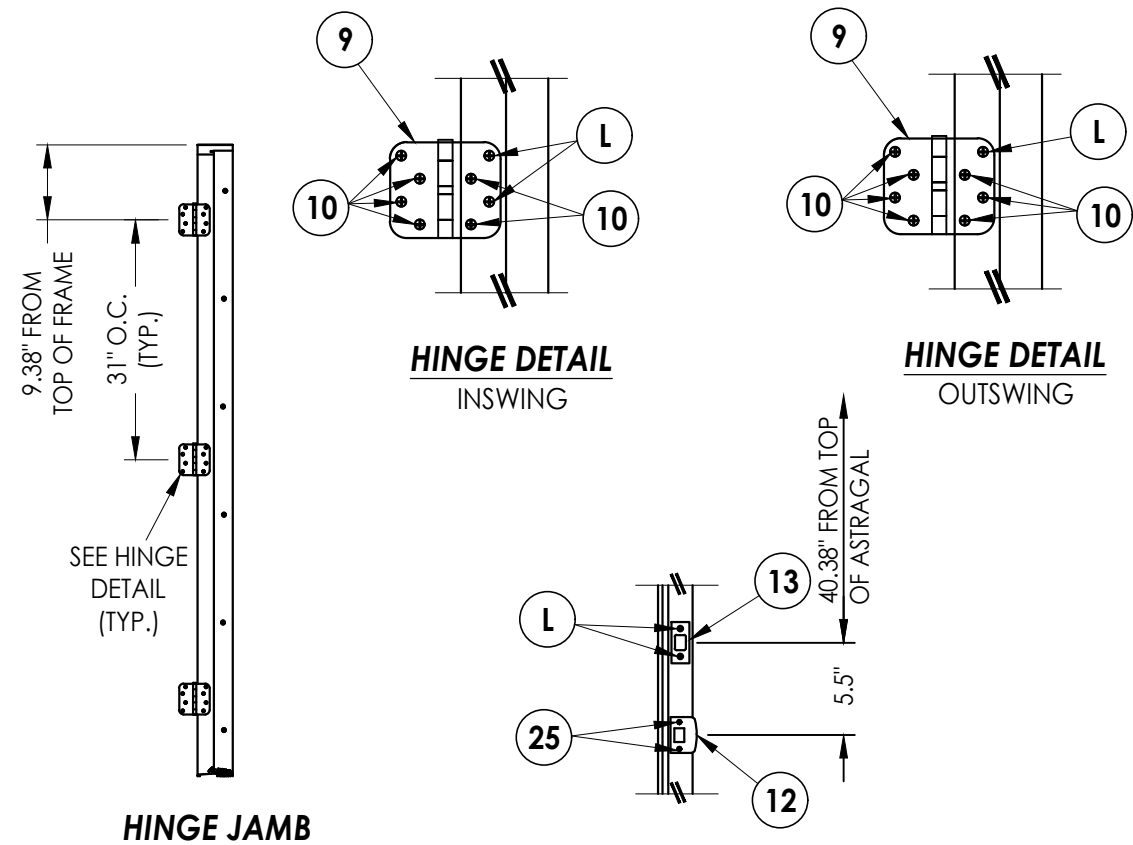
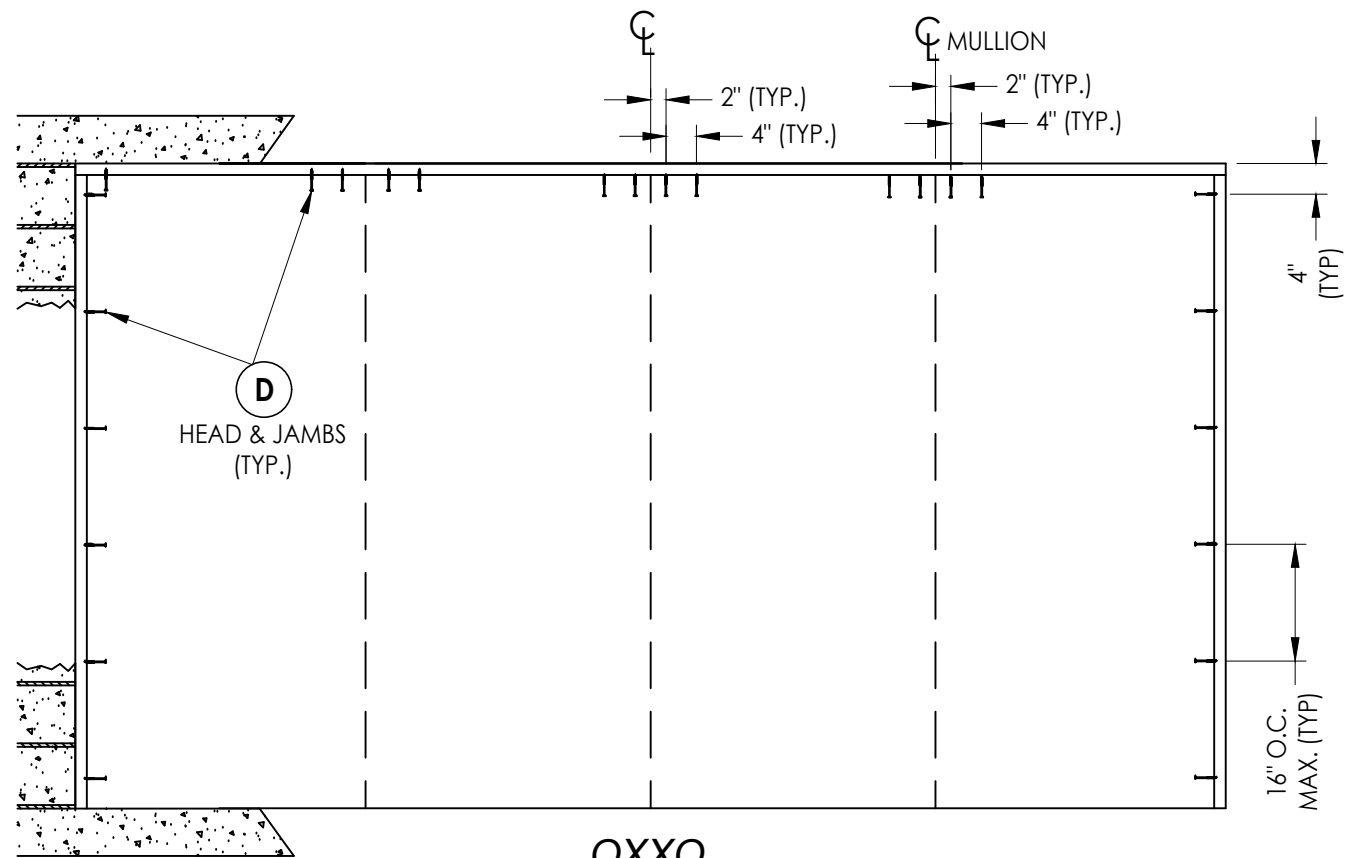
DRAWING NO.:

FL-46117.5

SHEET 8 OF 11

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

[illegible]



ALL ANCHORS SAME AS OXXO

Shown w/ 14" Sidelite

HARDWARE DETAILS

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

DATE: 12/05/24	
SCALE: N.T.S.	
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.: FL-46117.5	
SHEET 10	OF 11

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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
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
40	DOOR PANEL	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE (1.75" X 2.5")	STEEL
55	8 X 1" PFH WS	STEEL

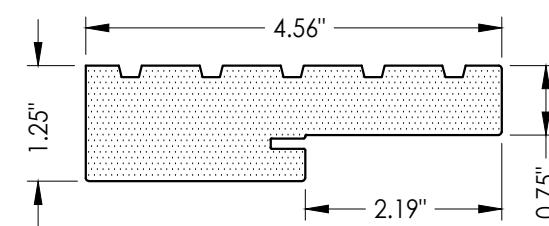
CONCRETE ANCHOR NOTES:

- 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:

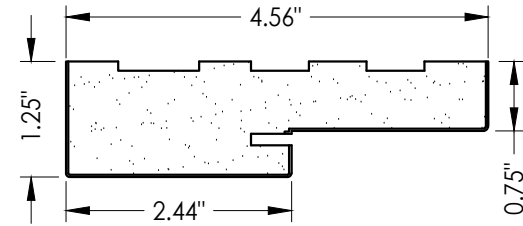
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

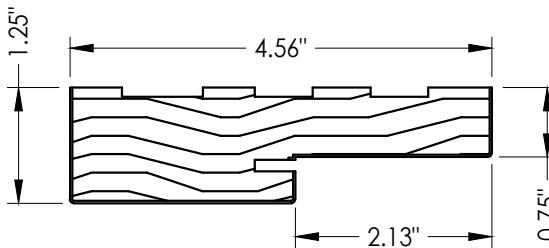
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



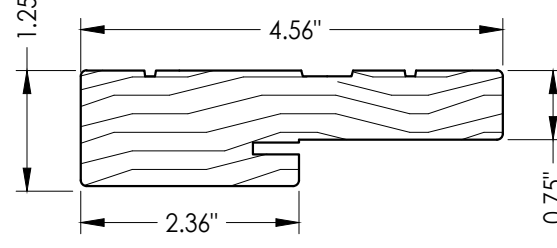
1 COMPOSITE JAMB
WORLDWIDE 4EVER COMPOSITE FRAME



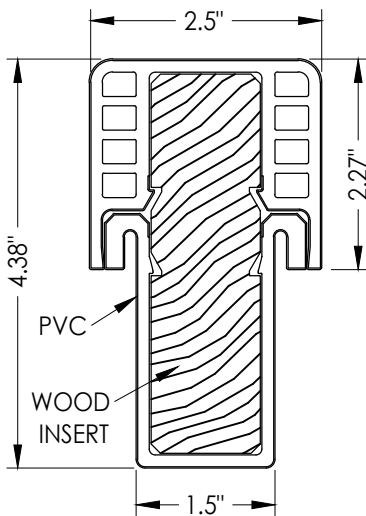
1 COMPOSITE JAMB
PLASTPRO POLY FIBER JAMB



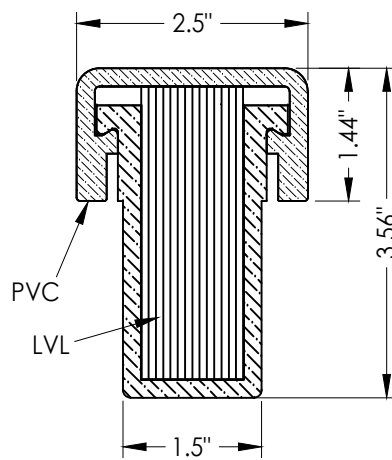
2 WOOD JAMB
FINGER JOINTED PINE



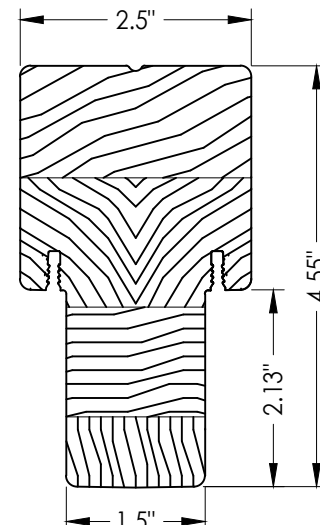
2 WOOD JAMB
ENDURA FrameSaver



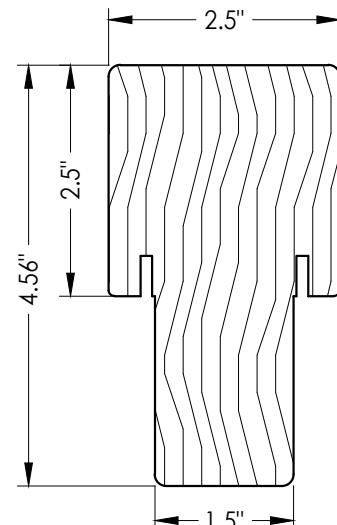
3 COMPOSITE MULLION
ENDURA FUSION
w/ PVC Boot



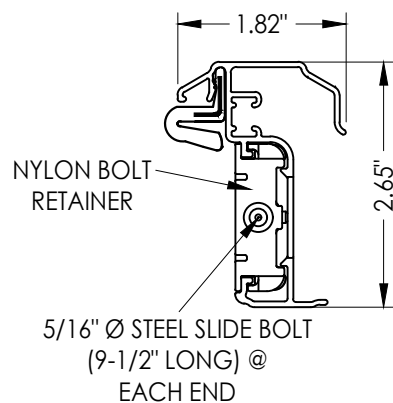
3 COMPOSITE MULLION
PLASTPRO (3-Piece)
w/ PVC Boot



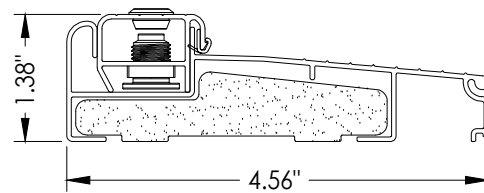
4 WOOD MULLION
PINE



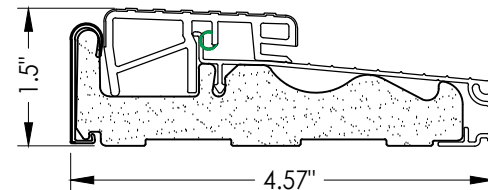
4 WOOD MULLION
ENDURA FrameSaver



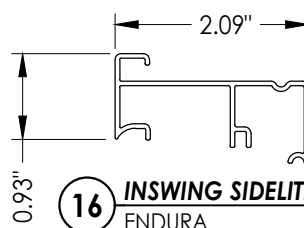
53 ENDURA ULTIMATE ALUMINUM ASTRAGAL
ULTIMATE PUSH BUTTON ASTRAGAL
ULTIMATE HURRICANE ASTRAGAL



14 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



15 OUTSWING THRESHOLD
ENDURA Z SERIES



16 INSWING SIDELITE BASE
ENDURA

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FBPE Registry No. 9813

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 12/05/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46117.5

SHEET 11 OF 11