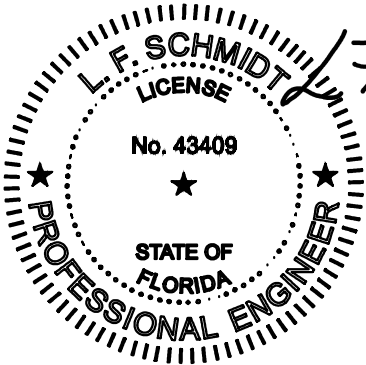


Z:\2023 FBC Drawings\ODL, Inc\FL-46121\FL-46121.6.dwg



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.

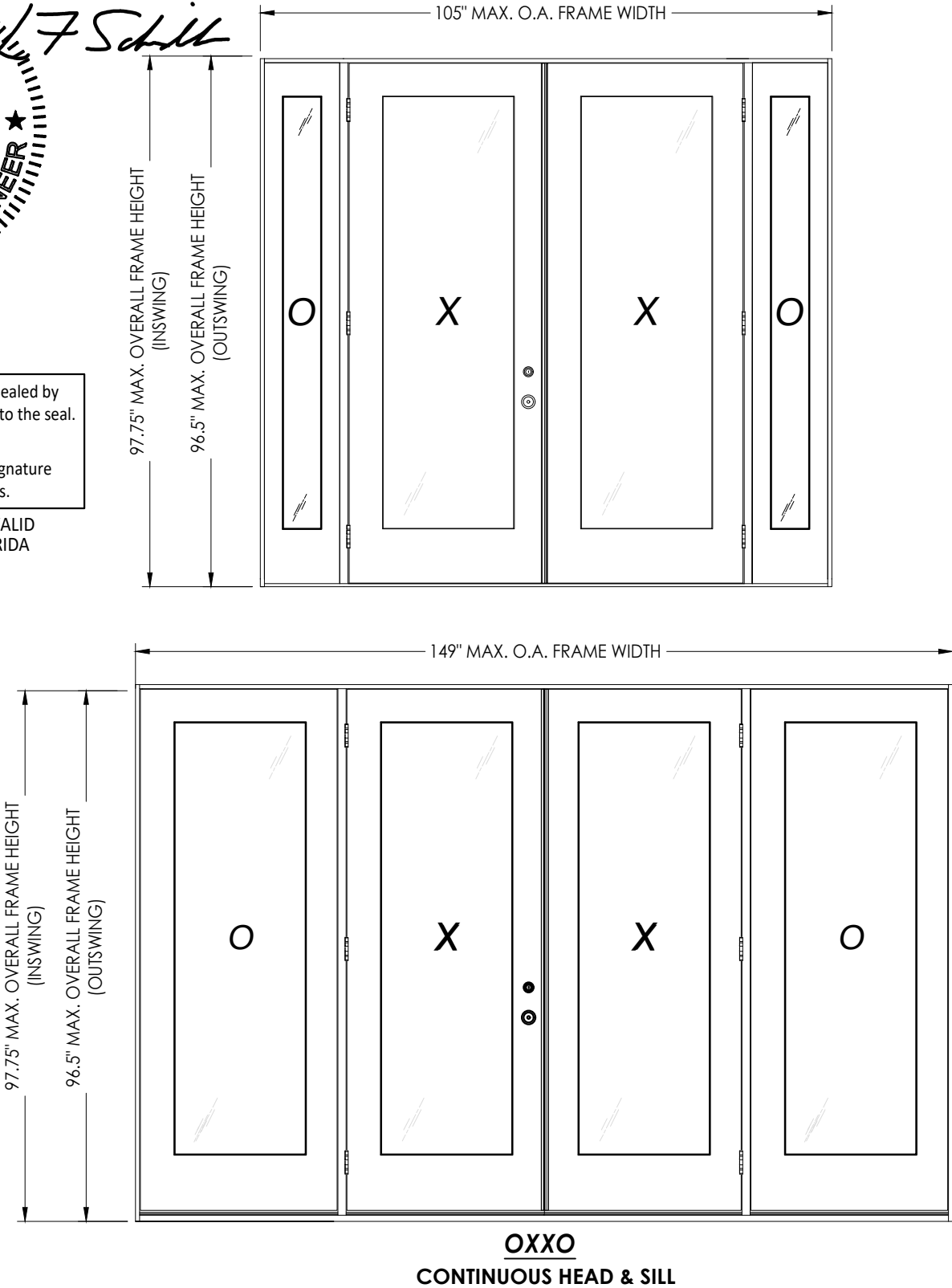
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

FLUSH GLAZED FIBERGLASS DOOR DOUBLE w/ SIDELITES 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, glazed products are 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	10	Buck & Frame Anchoring & Hardware Details
5	Horizontal Cross Sections	11	Bill of Materials & Components
6	Horizontal & Vertical Cross Sections (2X Buck)		



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXOX	105.0" x 97.75"	+50.0	-50.0	+50.0	-50.0
OXOX	149.0" 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

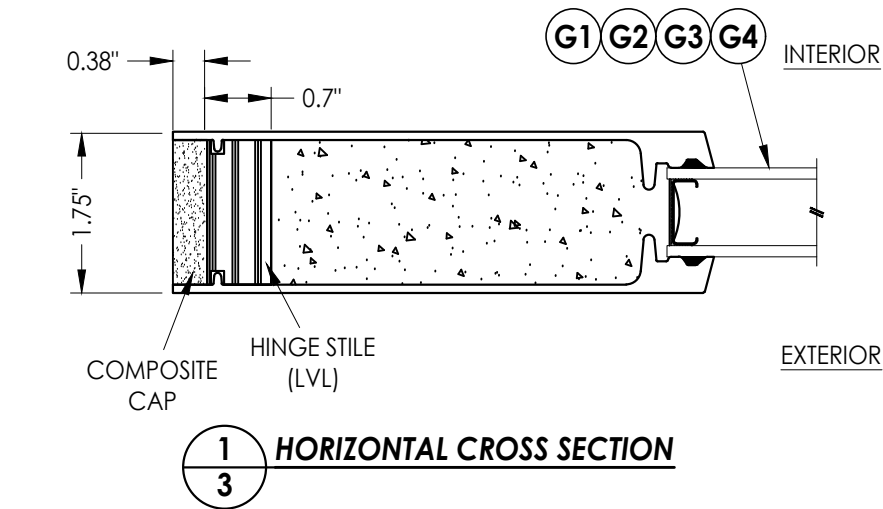
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS	
NO.	DATE

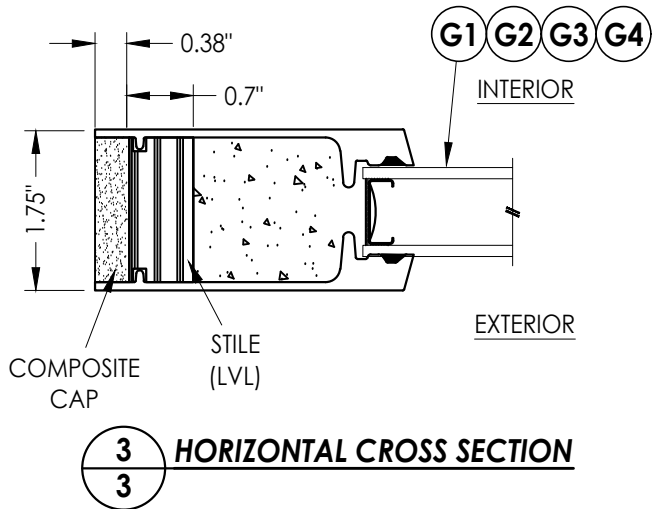
DATE: 1/20/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46121.6
SHEET 1 OF 11

© 2025 R.W. BUILDING CONSULTANTS INC.

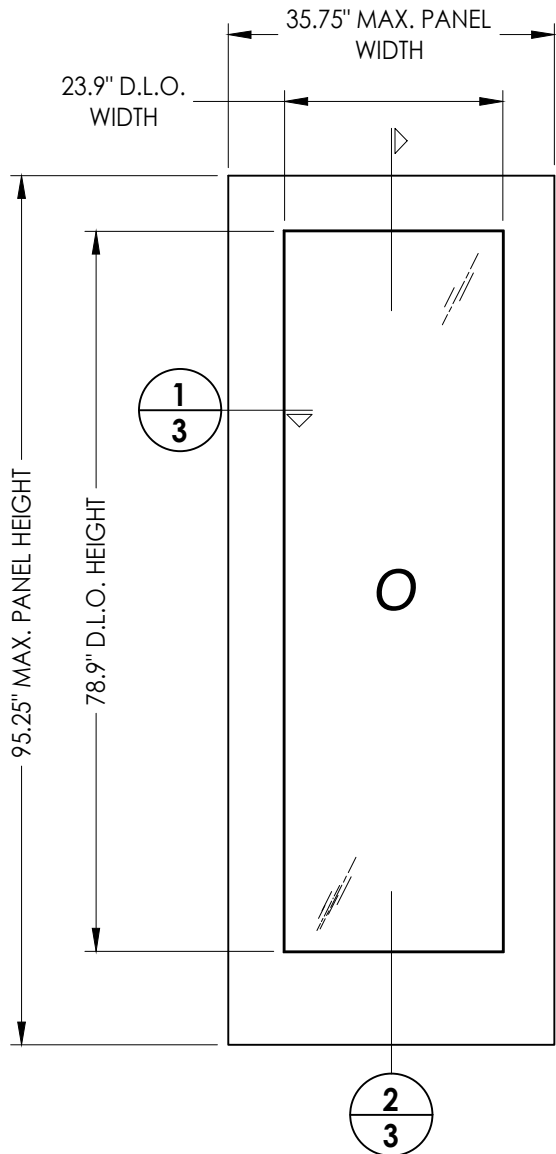
Z:\2023 FBC Drawings\ODL, Inc\FL-46121\FL-46121.6.dwg



1 HORIZONTAL CROSS SECTION

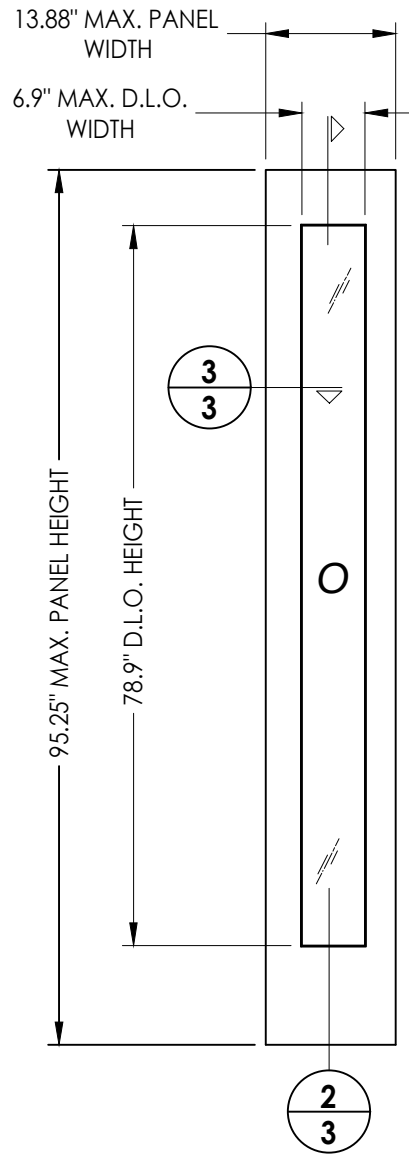


3 HORIZONTAL CROSS SECTION



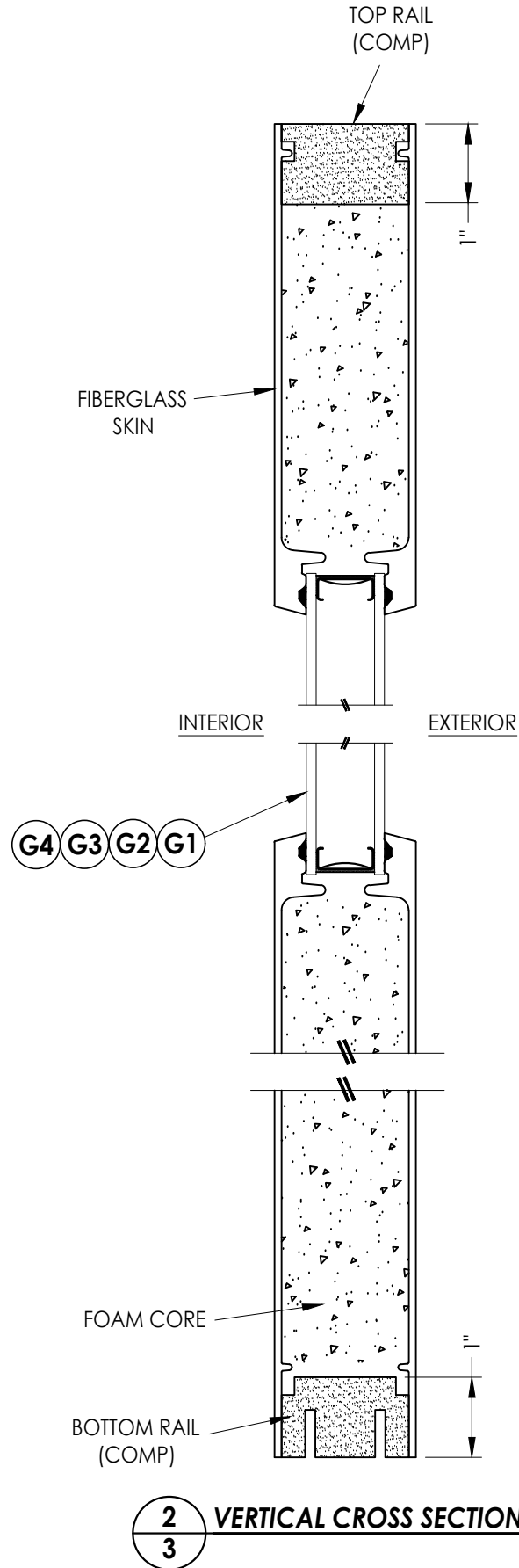
50 FIBERGLASS SIDELITE PANEL
ODL FLUSH GLAZED

FIBERGLASS SKIN: 0.090" MIN. THK.
FOAM CORE: POLYSTYRENE



51 FIBERGLASS SIDELITE PANEL
ODL

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



2 VERTICAL CROSS SECTION

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:
SIDELITE PANEL &
LITE FRAME GLAZING DETAILS

NO.	DATE	REVISIONS	BY

DATE: 1/20/25

SCALE: N.T.S.

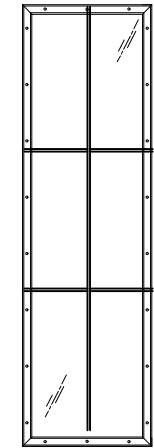
DWG. BY: LFS

CHK. BY: RW

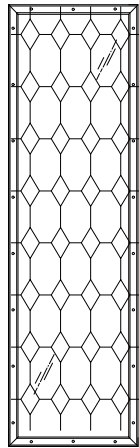
DRAWING NO.: FL-46121.6

SHEET 3 OF 11

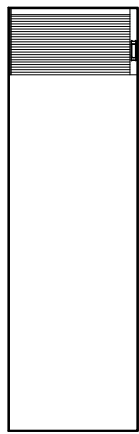
Z:\2023 FBC Drawings\ODL, Inc\FL-46121\FL-46121.6.dwg



GRIDS BETWEEN GLASS

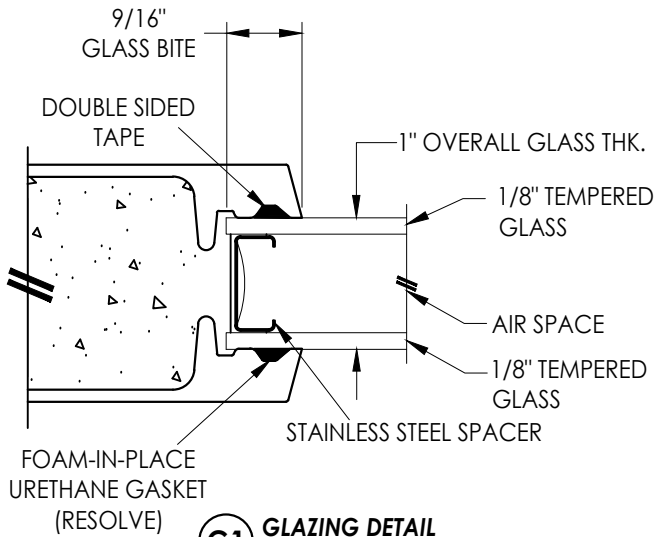


DECORATIVE

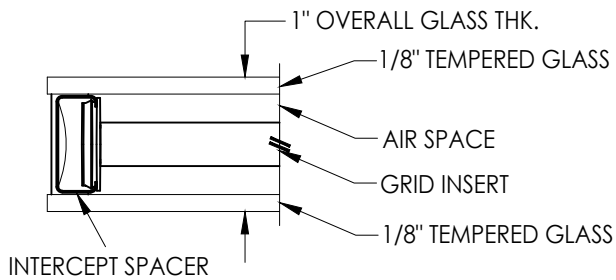


BLINDS BETWEEN GLASS

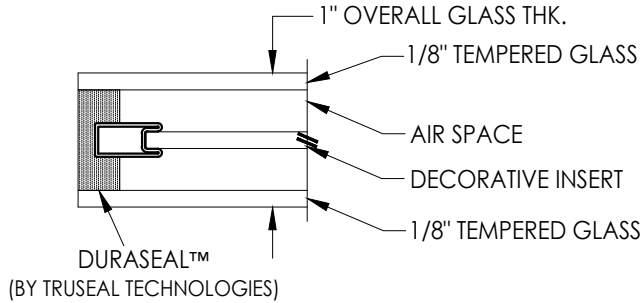
ALTERNATE GLAZING DETAILS



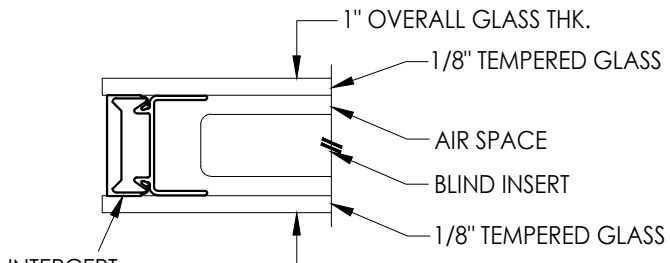
G1 GLAZING DETAIL
CLEAR GLASS



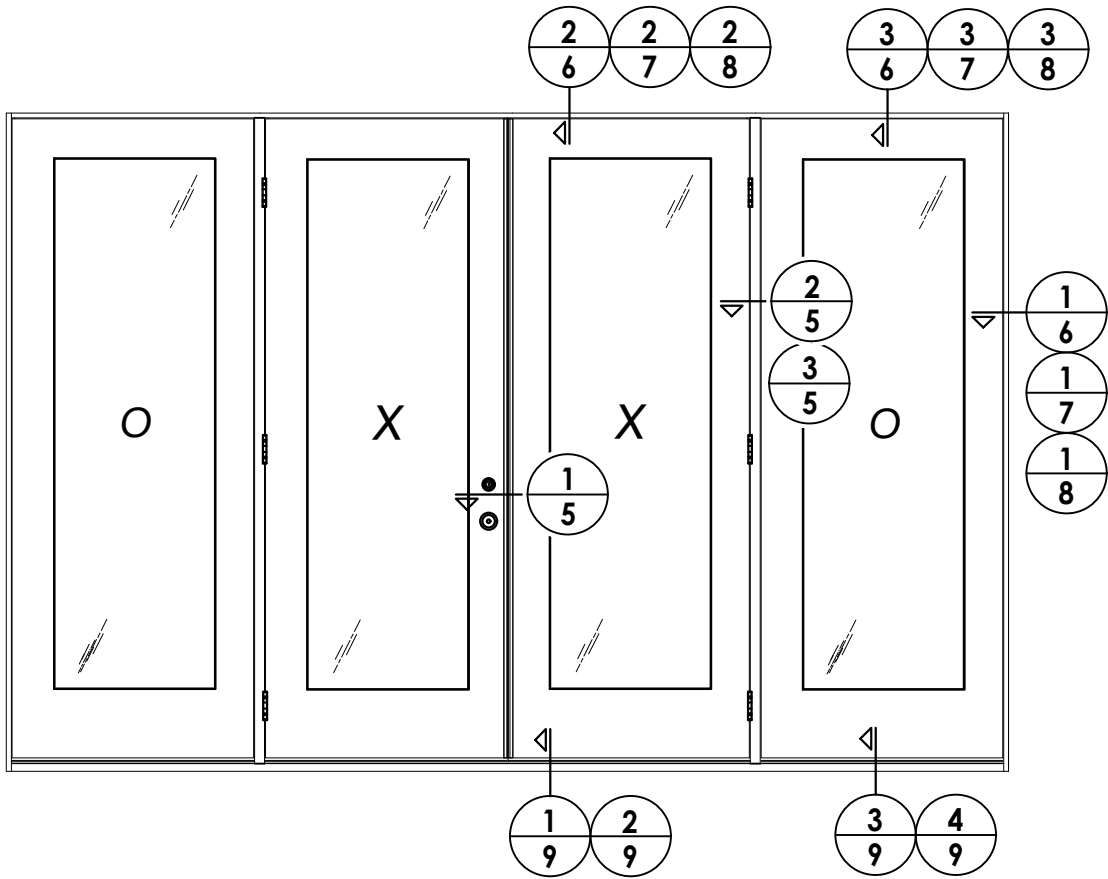
G2 GLAZING DETAIL
GRIDS BETWEEN GLASS



G3 GLAZING DETAIL
DECORATIVE



G4 GLAZING DETAIL
BLINDS BETWEEN GLASS



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:
ELEVATIONS

DATE: 1/20/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

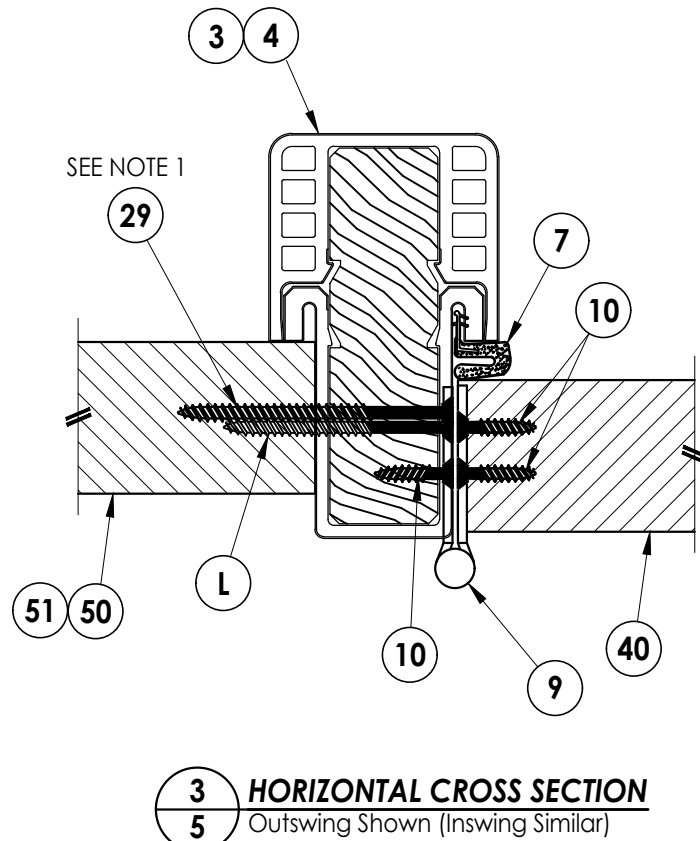
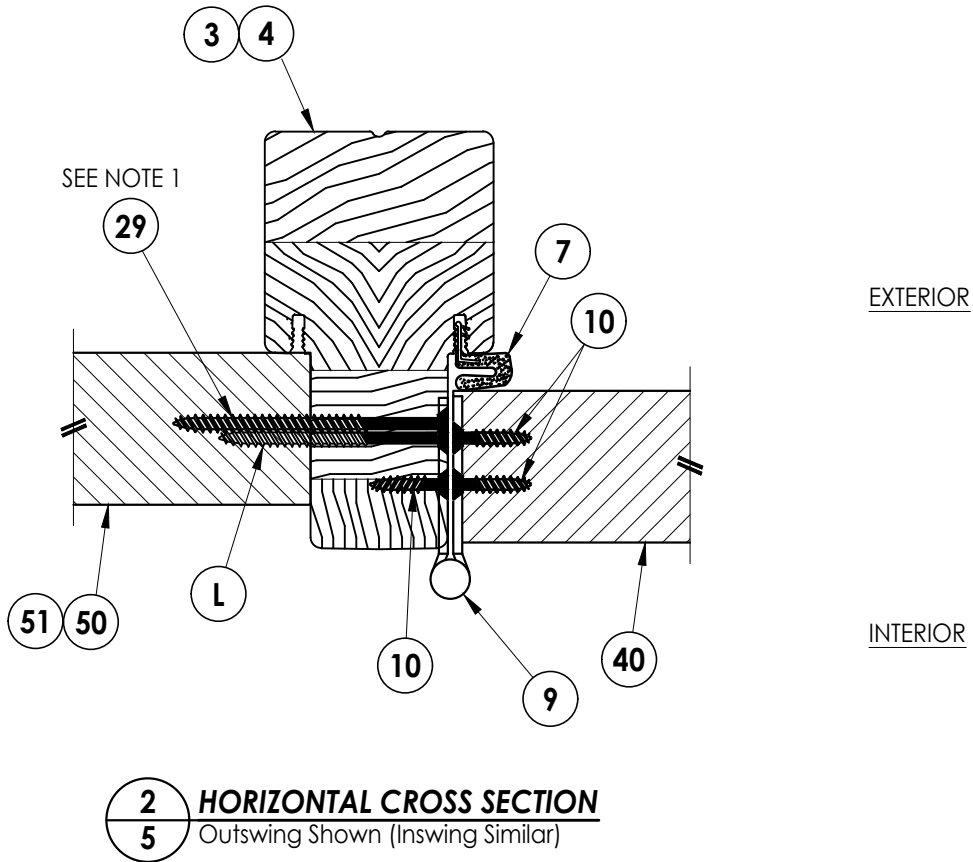
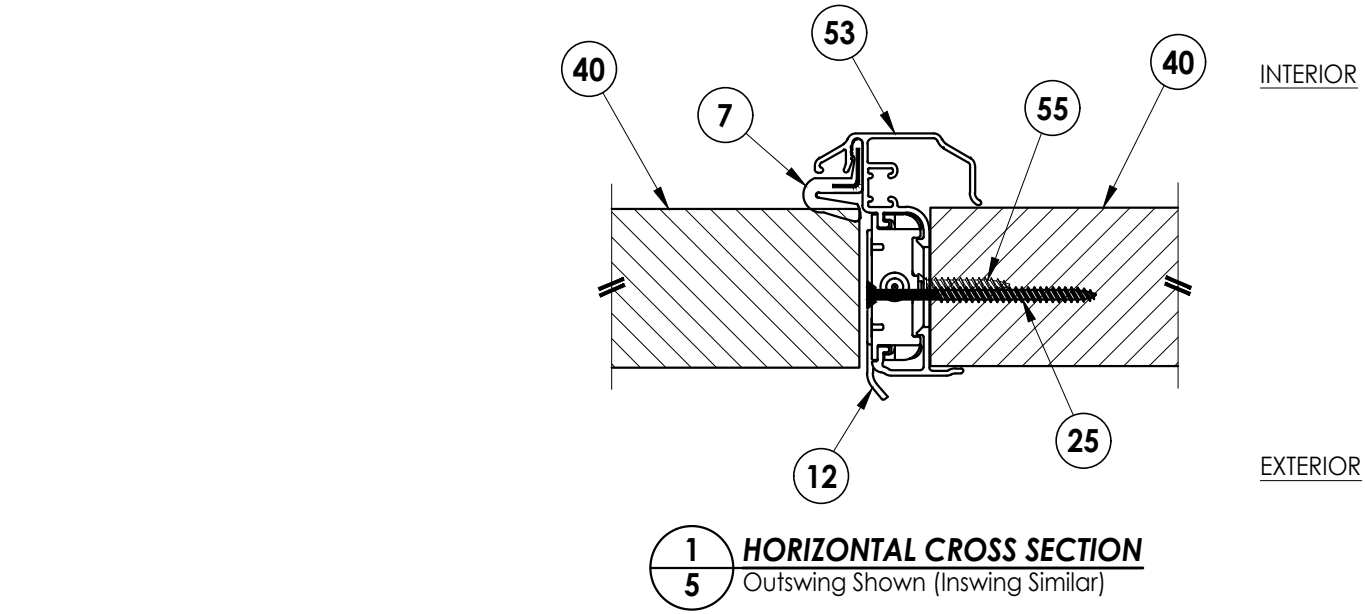
DRAWING NO.:

FL-46121.6

SHEET 4 OF 11

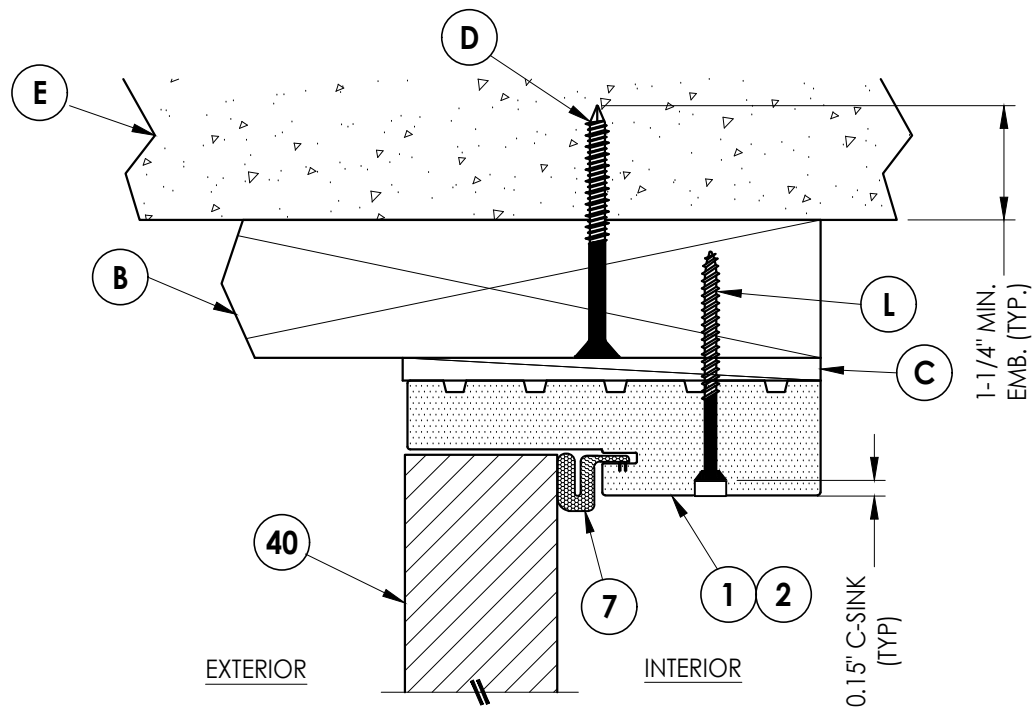
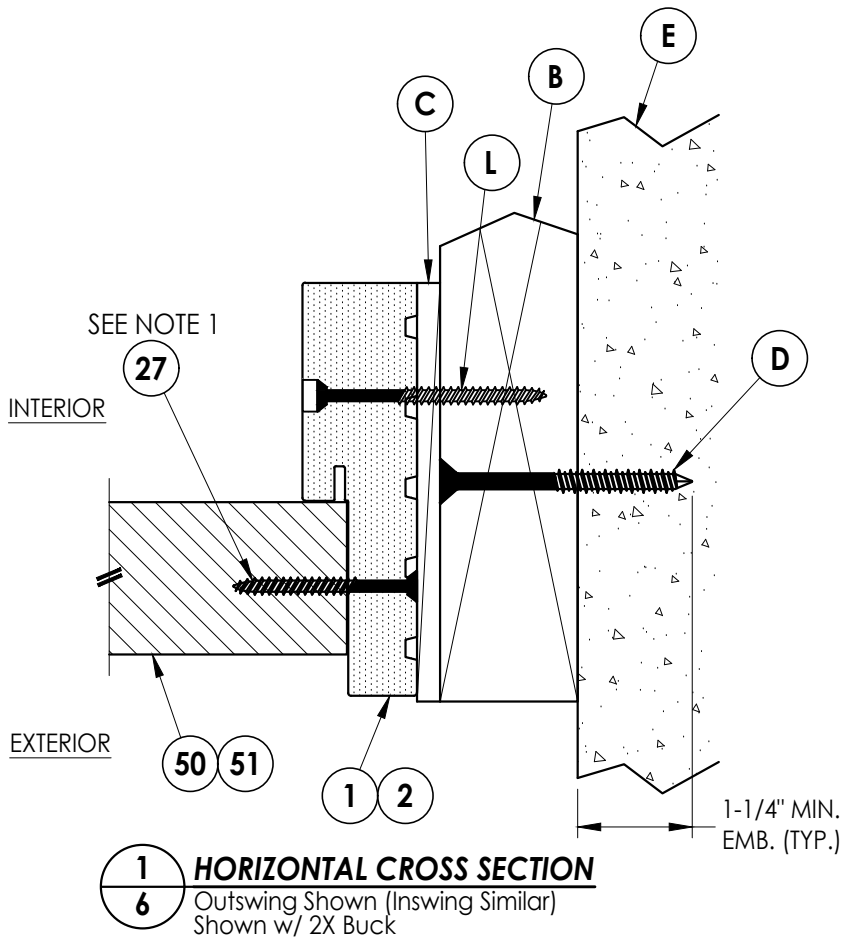
© 2025 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\ODL, Inc\FL-46121\FL-46121.6.dwg



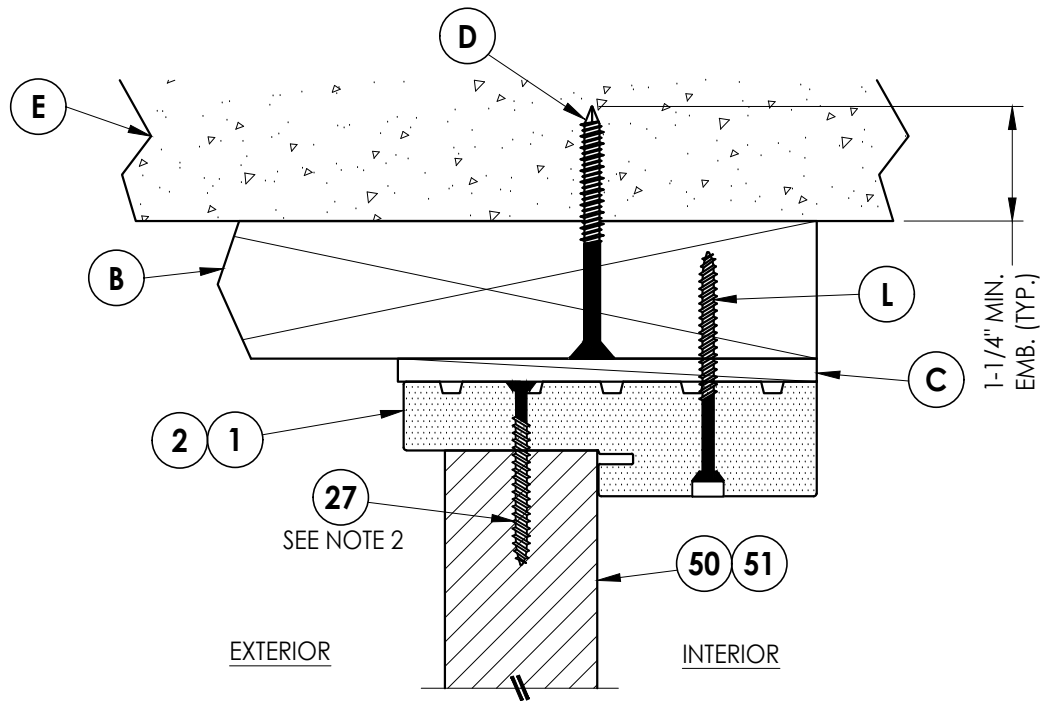
Note:
1. Sidelite assembly screws located 6" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).

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: 1/20/25	
		SCALE: N.T.S.	
		DWG. BY: LFS	
		CHK. BY: RW	
		DRAWING NO.: FL-46121.6	
		SHEET 5 OF 11	



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

Notes:

1. Sidelite assembly screws located 6" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 6" from each end (2 total @ head).
(Note: 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)

[illegible]



Notes:

1. Sidelite assembly screws located 6" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 6" from each end (2 total @ head).
(Note: Not required on 14" sidelites)

DATE: 1/20/25

SCALE: *N.T.S.*

DWG. BY: *LFS*

CHK. BY: RW

DRAWING NO.:

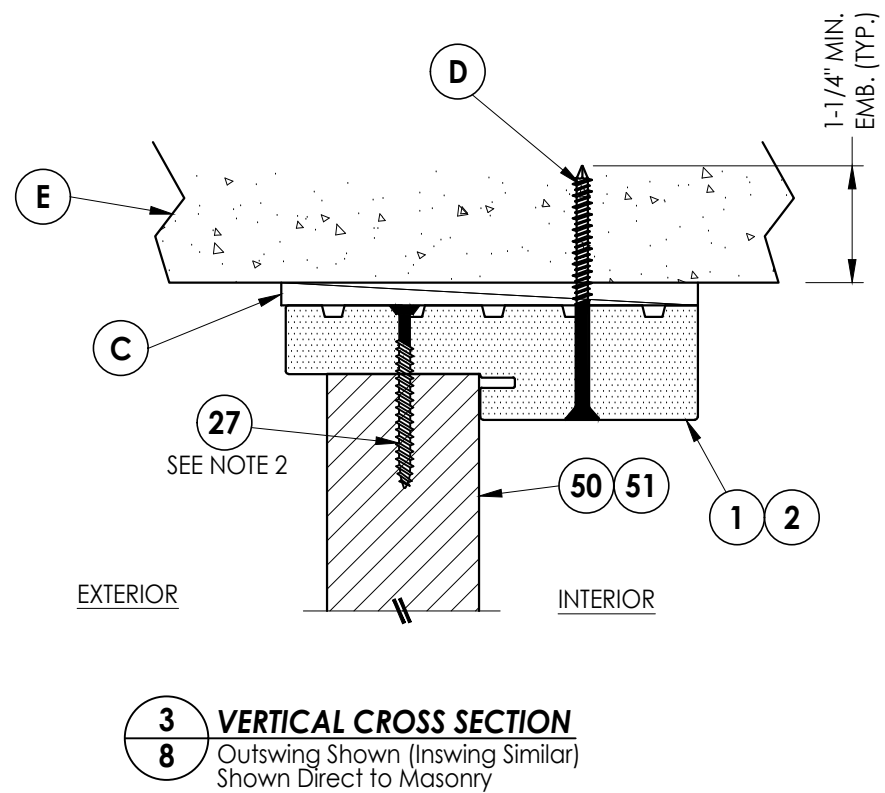
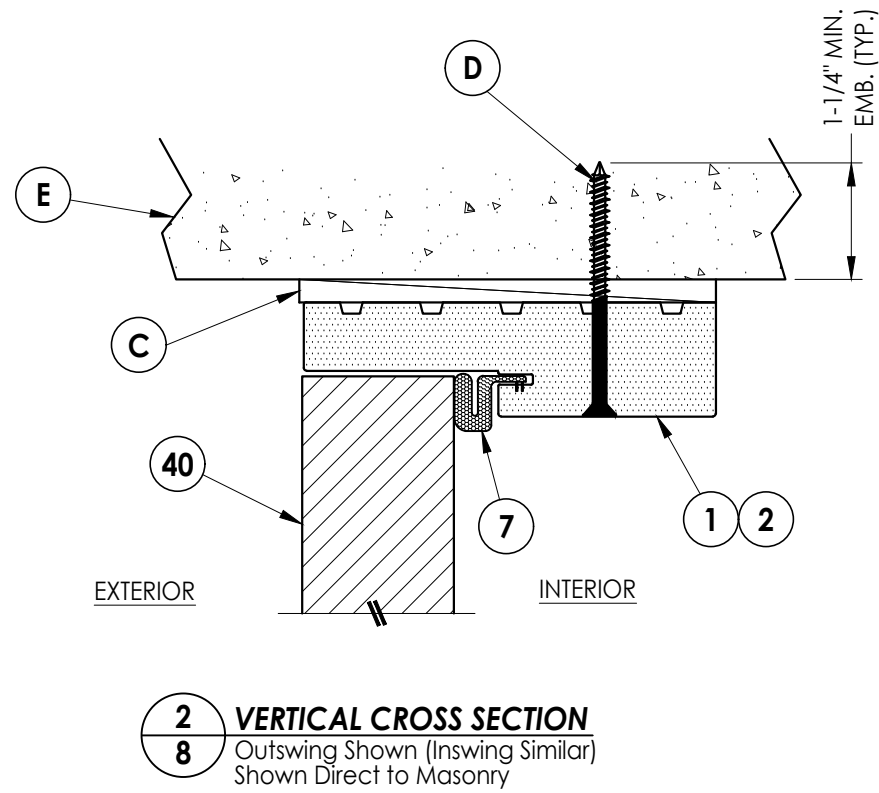
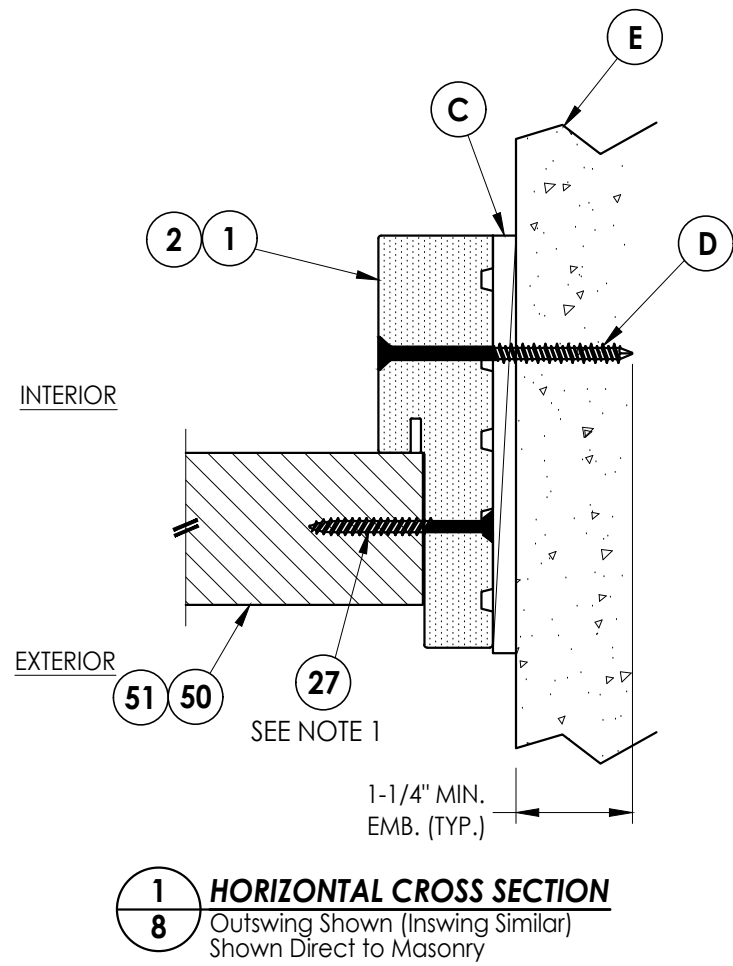
FL-46121.6

SHEET 7 OF 11

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

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

© 2025 R.W. BUILDING CONSULTANTS INC.



Notes:

1. Sidelite assembly screws located 6" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 6" from each end (2 total @ head).
(Note: 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)

[illegible]

DATE: 1/20/25

SCALE: N.T.S.

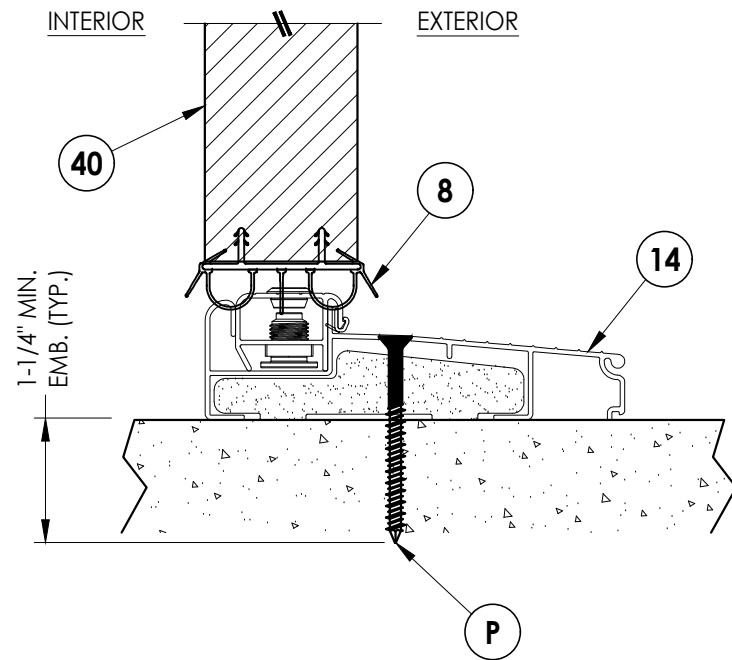
DWG. BY: *LFS*

CHK. BY: *RW*

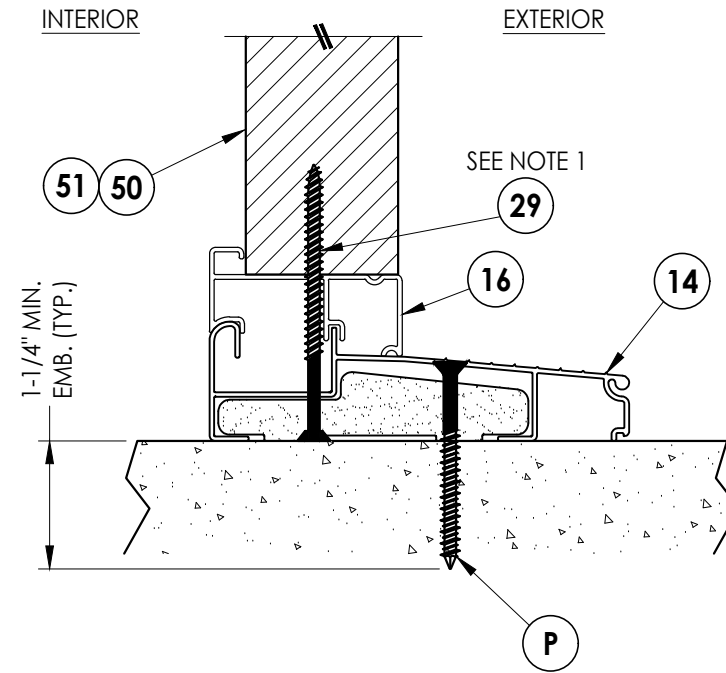
DRAWING NO.:

FL-46121.6

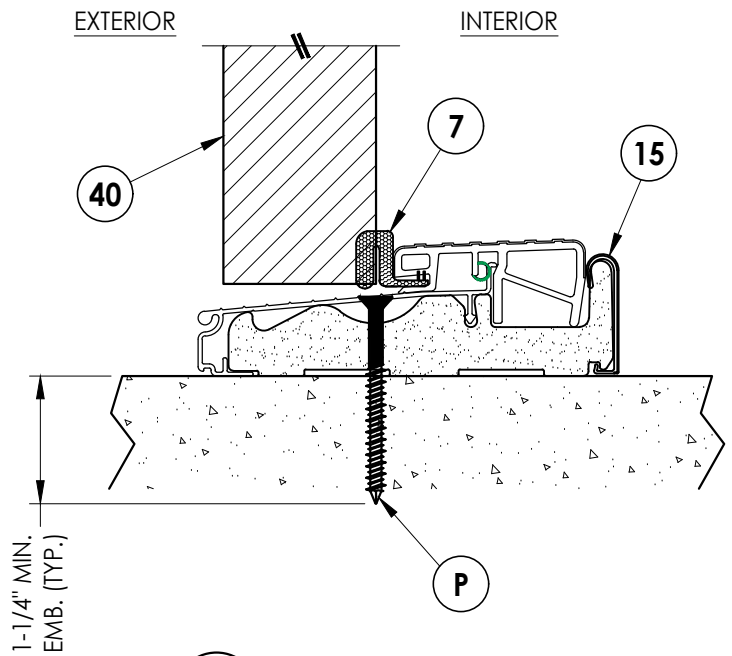
SHEET 8 OF 11



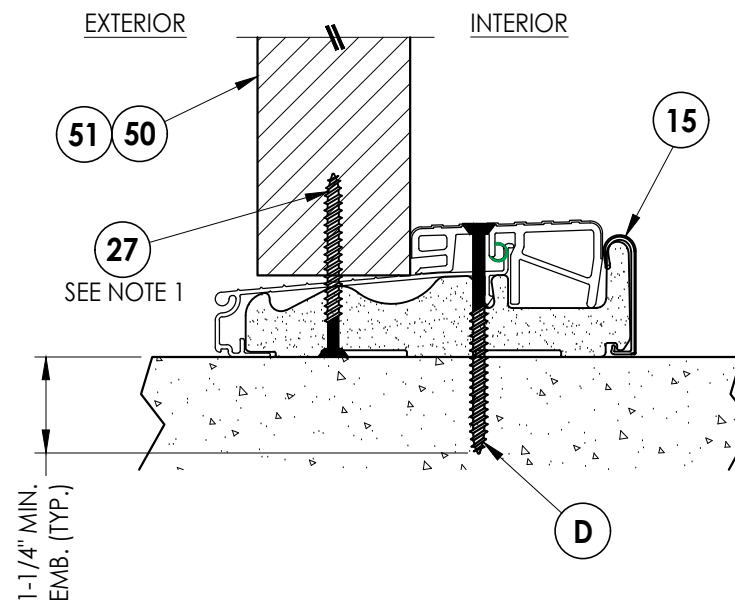
1 9 **VERTICAL CROSS SECTION** Inswing Sill



3 9 **VERTICAL CROSS SECTION** Inswing Sill



2 9 VERTICAL CROSS SECTION Outswing Sill



4 **VERTICAL CROSS SECTION**
9 Outswing Sill

Note:

1. Sidelite assembly screws located 6" from each end (2 total @ sill).
(Note: 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:

[illegible]

DATE: 1/20/25

SCALE: N.T.S.

DWG. BY: LFS

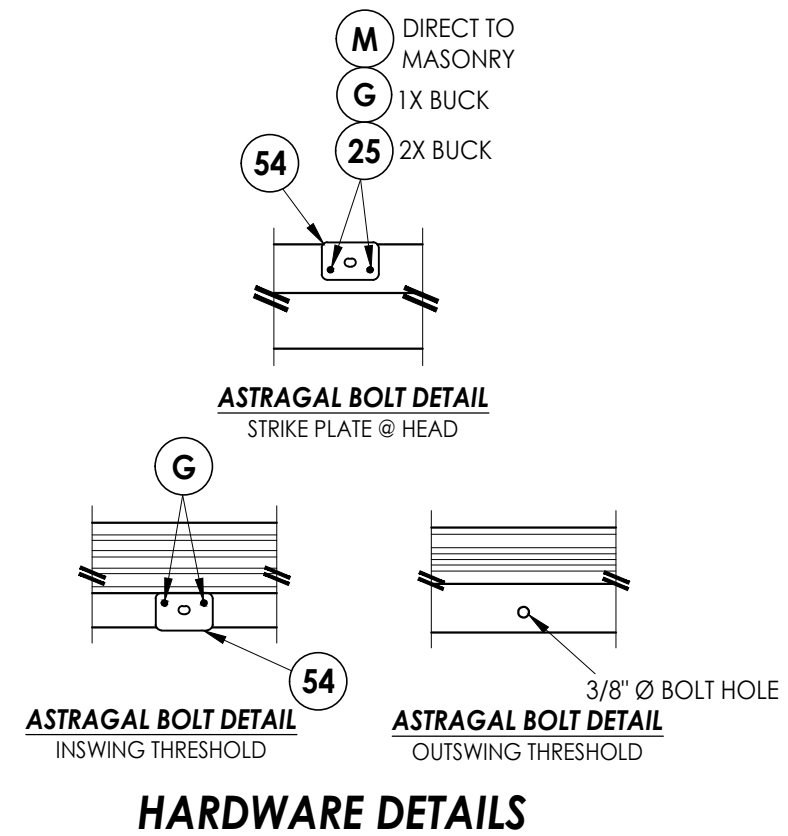
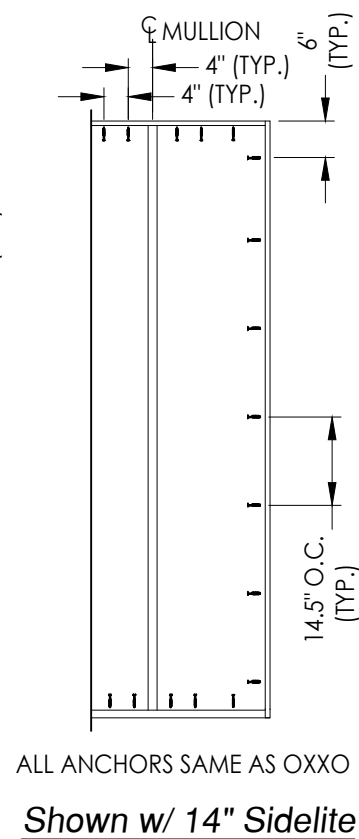
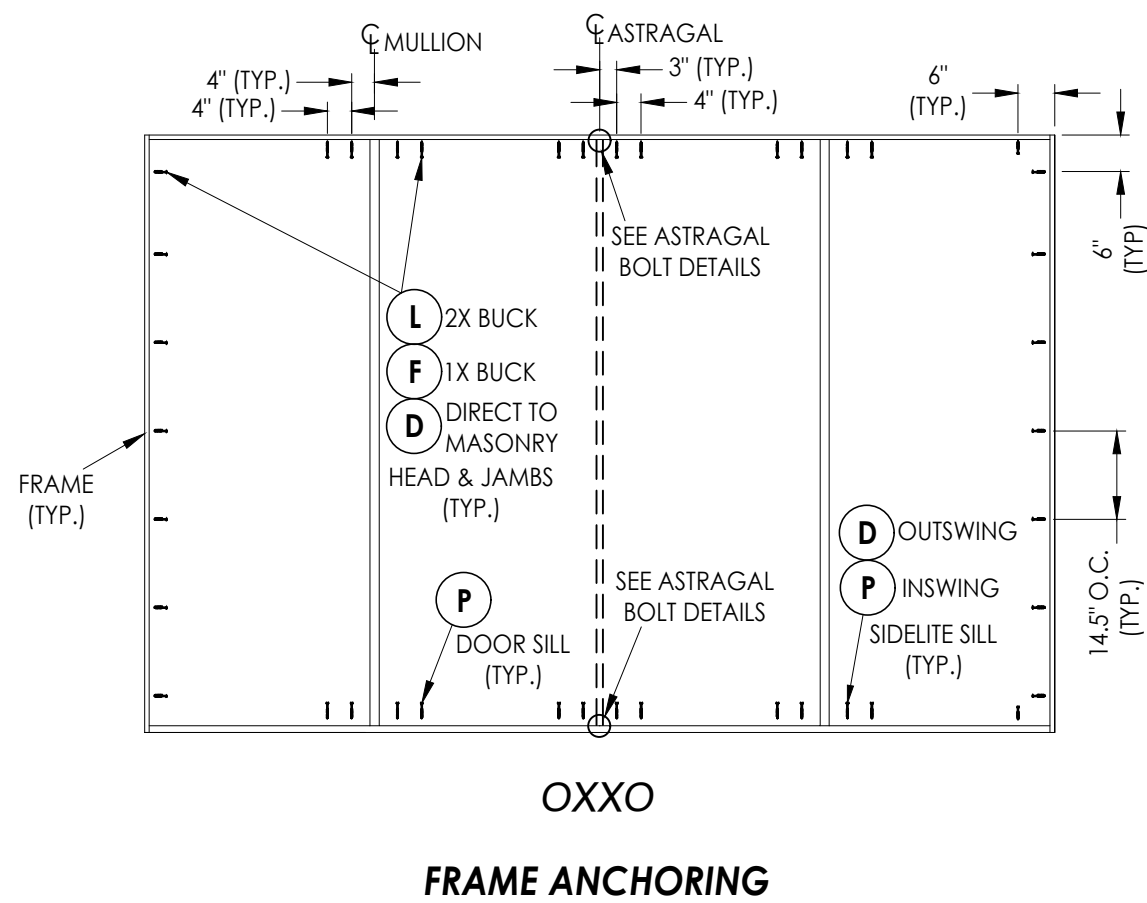
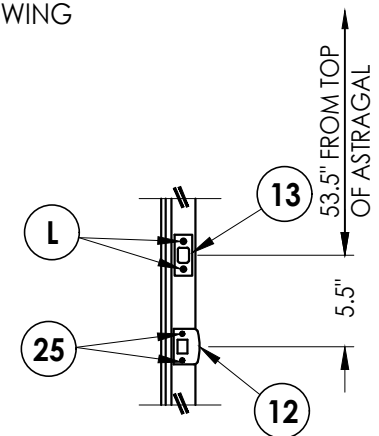
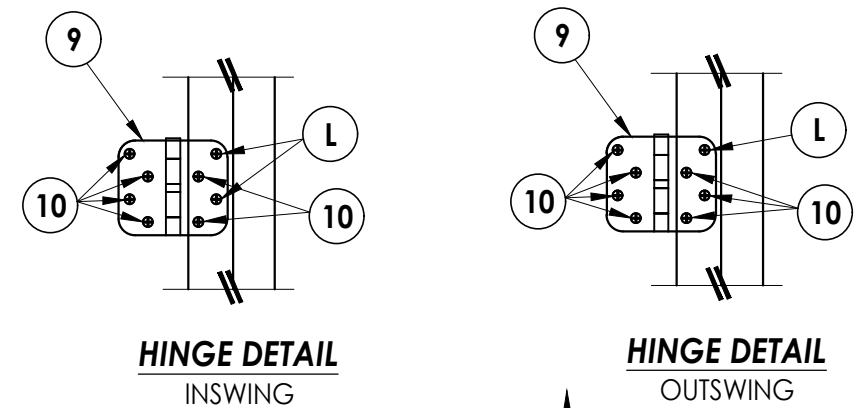
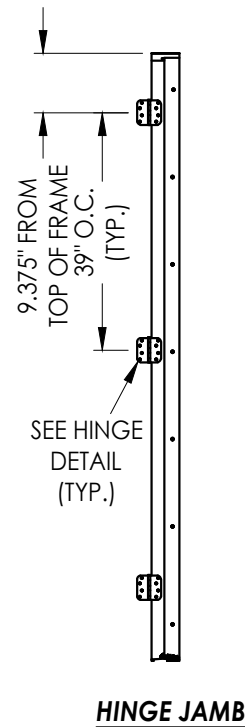
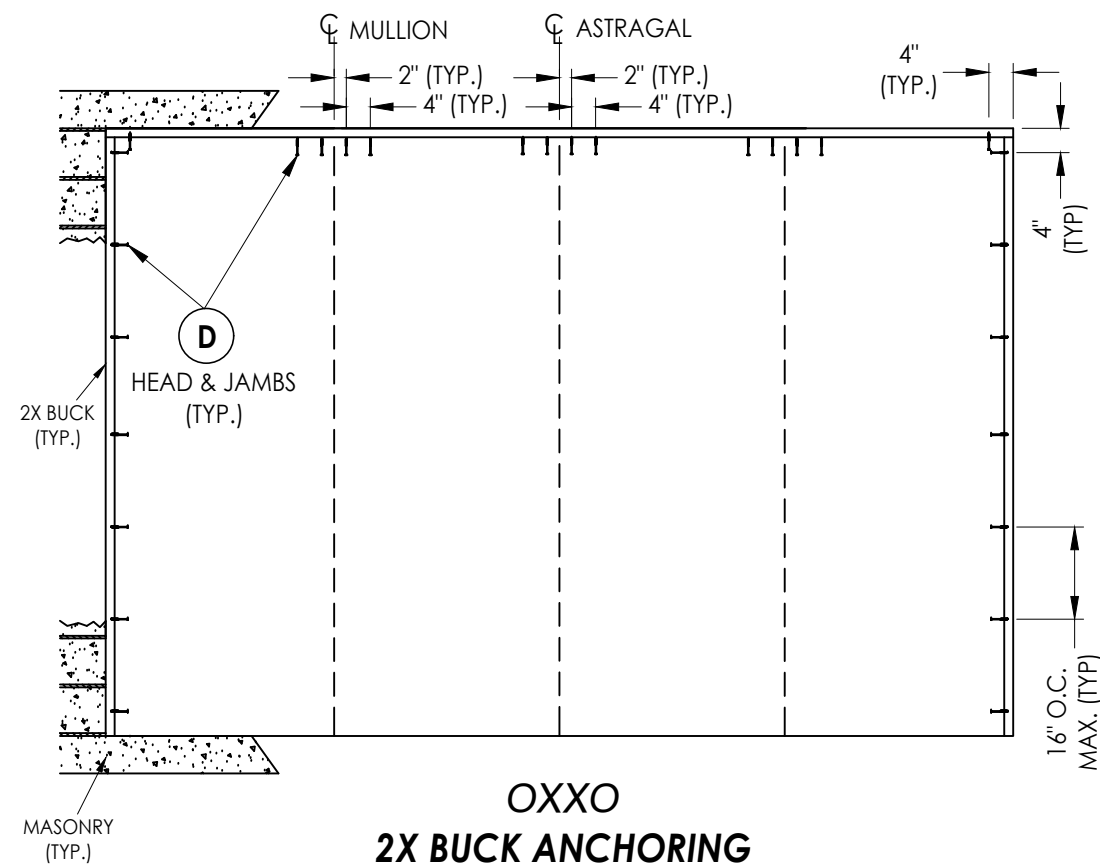
CHK. BY: RW

DRAWING NO.:

FL-46121.6

SHEET 9 OF 11

© 2025 R.W. BUILDING CONSULTANTS INC.

[illegible]

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

Z:\2023 FBC Drawings\ODL, Inc\FL-46121\FL-46121.6.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
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	-
51	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE (1.75" X 2.5")	STEEL
55	8 X 1" PFH WS	STEEL

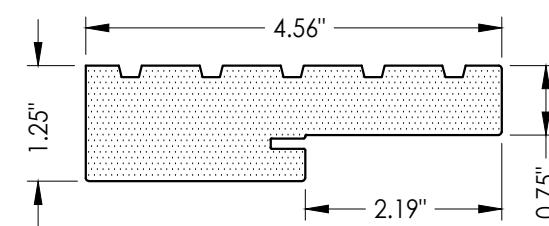
CONCRETE ANCHOR NOTES:

- 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:

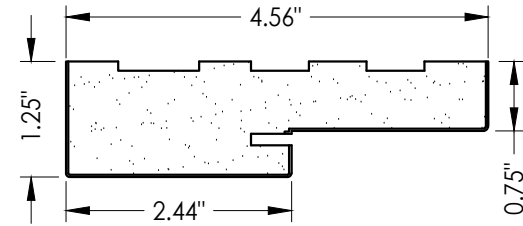
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

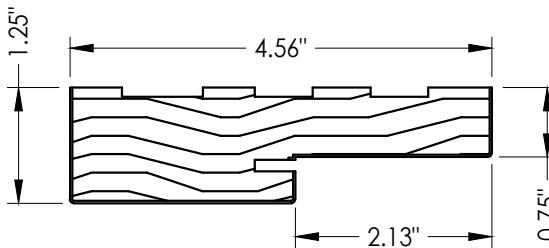
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



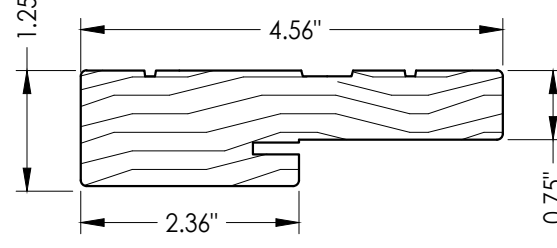
1 COMPOSITE JAMB
WORLDWIDE 4EVER COMPOSITE FRAME



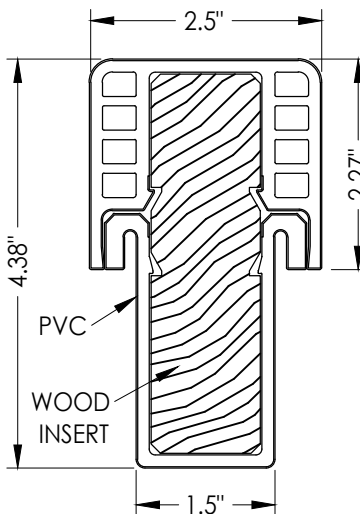
1 COMPOSITE JAMB
PLASTPRO POLY FIBER JAMB



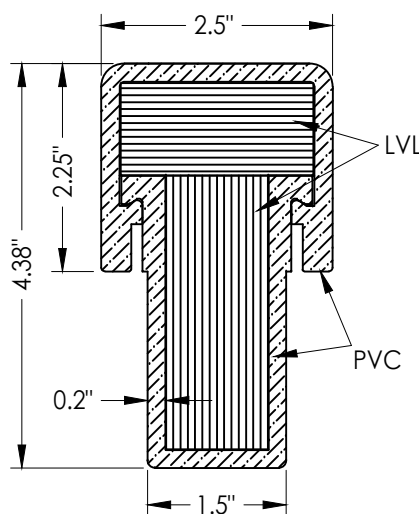
2 WOOD JAMB
FINGER JOINTED PINE



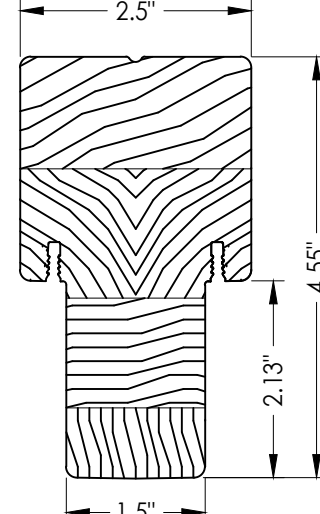
2 WOOD JAMB
ENDURA FrameSaver



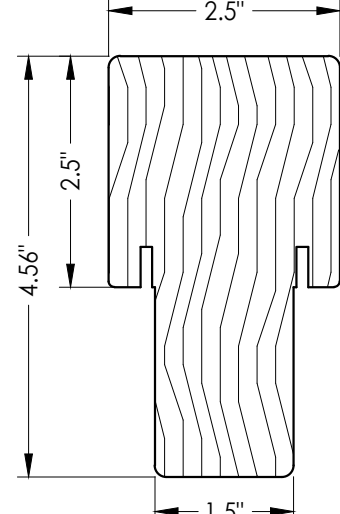
3 COMPOSITE MULLION
ENDURA FUSION
w/ PVC Boot



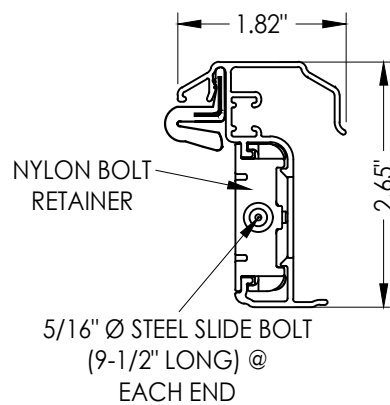
3 COMPOSITE MULLION
PLASTPRO (3-Piece)
w/ PVC Boot



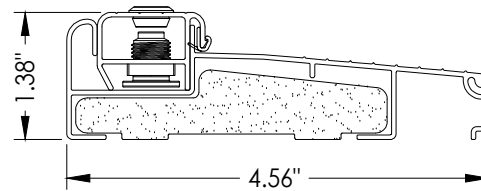
4 WOOD MULLION
PINE



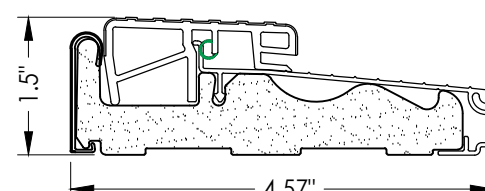
4 WOOD MULLION
ENDURA FrameSaver



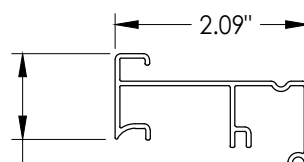
53 ENDURA ULTIMATE ALUMINUM ASTRAGAL
ULTIMATE PUSH BUTTON ASTRAGAL
ULTIMATE HURRICANE ASTRAGAL



14 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



15 OUTSWING THRESHOLD
ENDURA Z SERIES



16 INSWING SIDELITE BASE
ENDURA

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: 1/20/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46121.6

SHEET 11 OF 11