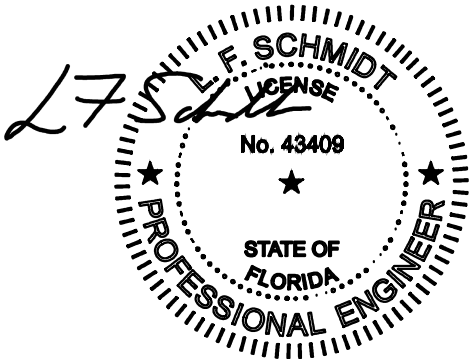


GENERAL NOTES

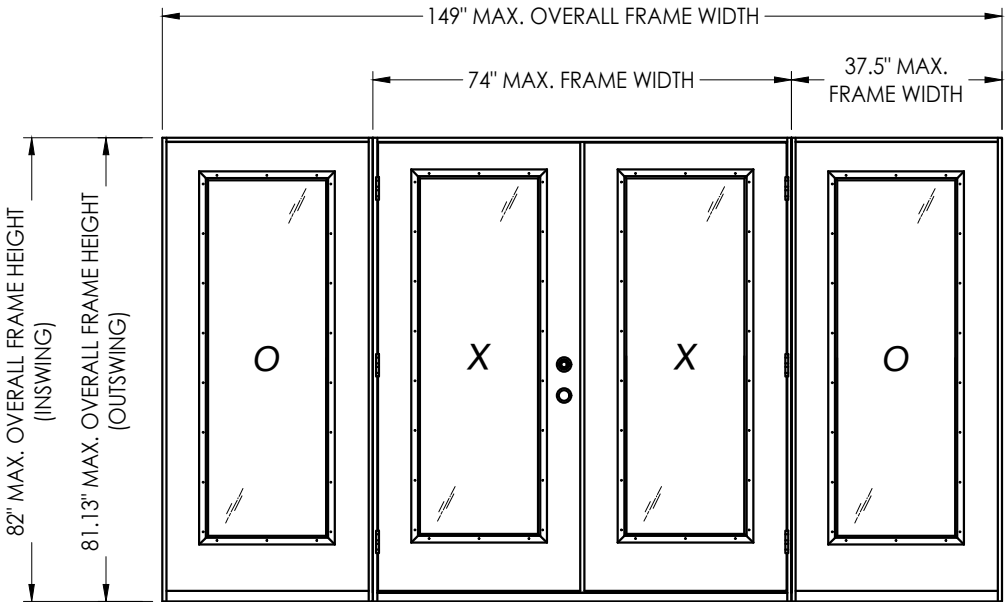
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.

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

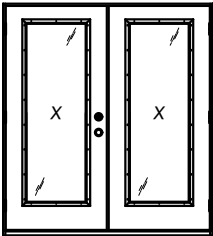


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

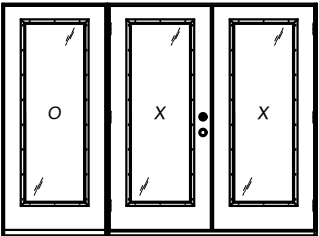
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



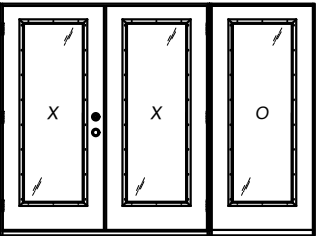
OXXO



XX



OXX, XXO



OXX, XXO

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74" x 82.0"	+45.0	-50.0	+45.0	-45.0
OXX, XXO	111.5" x 82.0"	+45.0	-50.0	+45.0	-45.0
OXXO	149" x 82.0"	+45.0	-50.0	+45.0	-45.0

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

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

ODL
FIBERGLASS DOOR

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

1	12/05/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS		LFS		
NO.	DATE			BY	REVISIONS	

DATE: 2/15/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: *RW*

DRAWING NO.:
FL-46117.4

SHEET 1 OF 12



Technical drawings of the rail assembly, showing cross-sections and detail views.

The top drawing is a cross-section of the rail assembly, showing the **TOP RAIL (COMP)** and the **FIBERGLASS SKIN**. A dimension line indicates a height of **1"**.

The bottom drawing is a cross-section of the rail assembly, showing the **FOAM CORE** and the **BOTTOM RAIL (COMP)**. A dimension line indicates a height of **1"**.

Detail views of the rail assembly are shown below the cross-sections, labeled **G1**, **G2**, **G3**, and **G4**.

2 VERTICAL CROSS SECTION

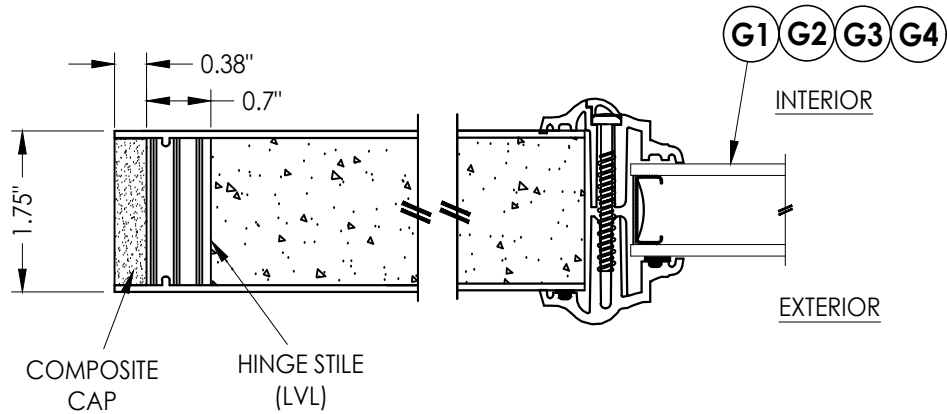
R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

ASSEMBLY:

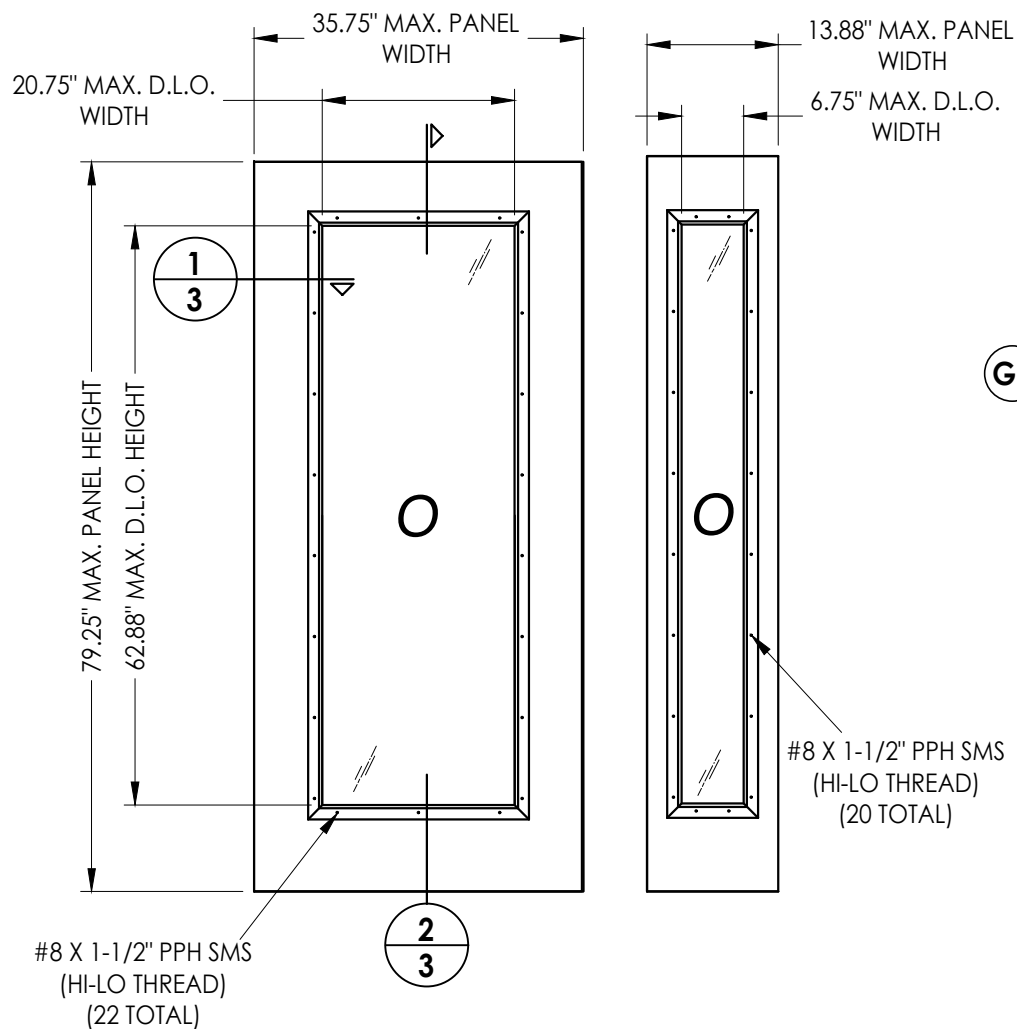
1	12/05/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	LFS	
NO.	DATE		BY	
REVISIONS				

SHEET 2 OF 12

Z:\2023 FBC Drawings\ODL, Inc\FL-46117\FL-46117.4.dwg

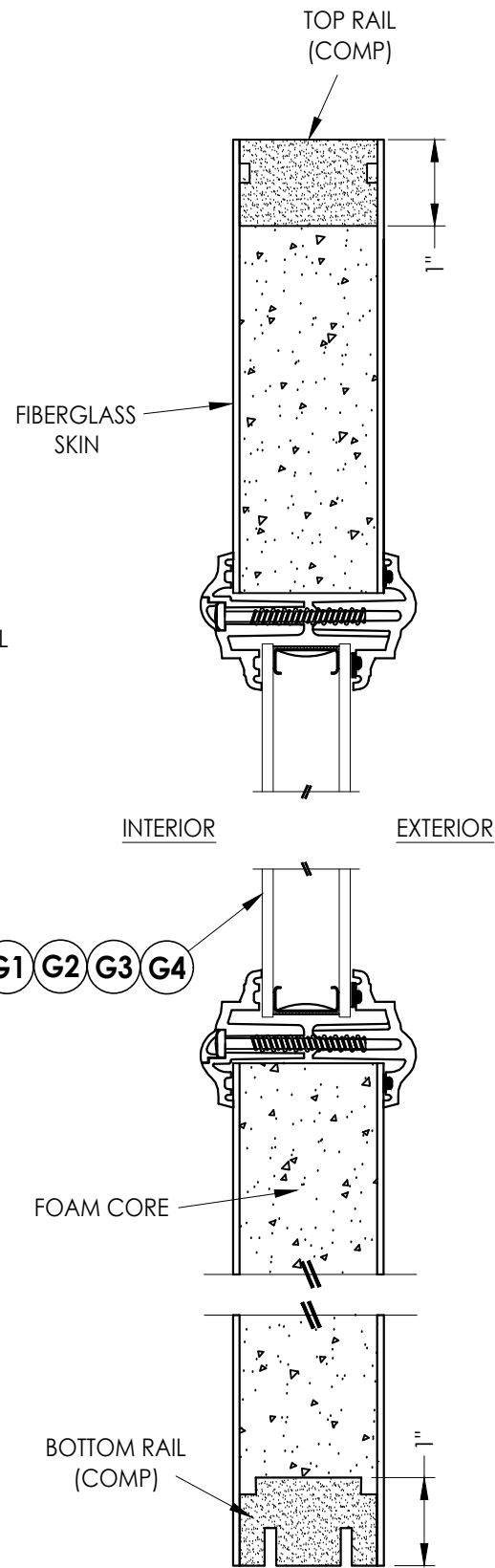


1
3 **HORIZONTAL CROSS SECTION**

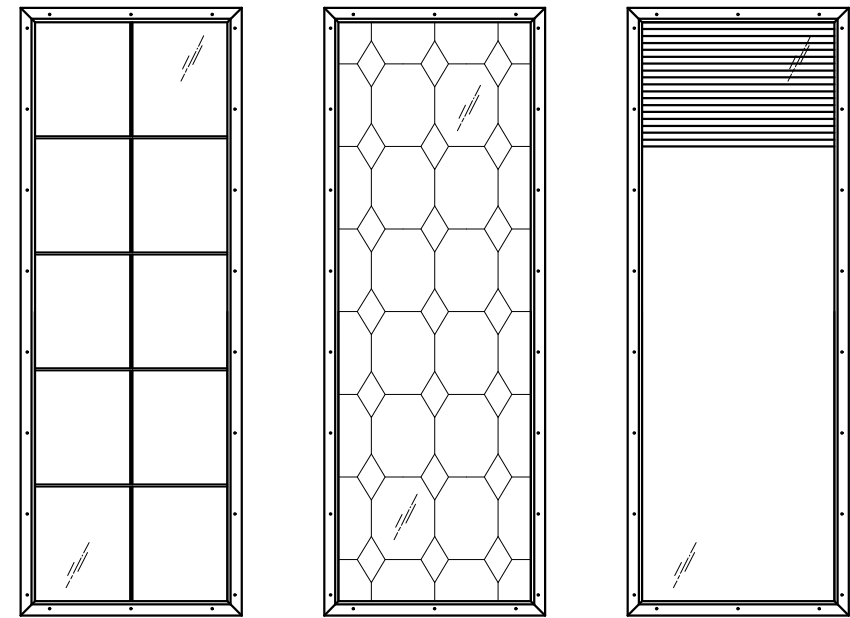


50 **FIBERGLASS SIDELITE PANEL**
ODL

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

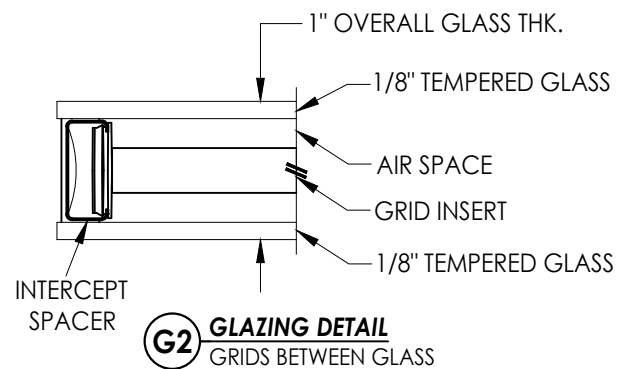


2
3 **VERTICAL CROSS SECTION**

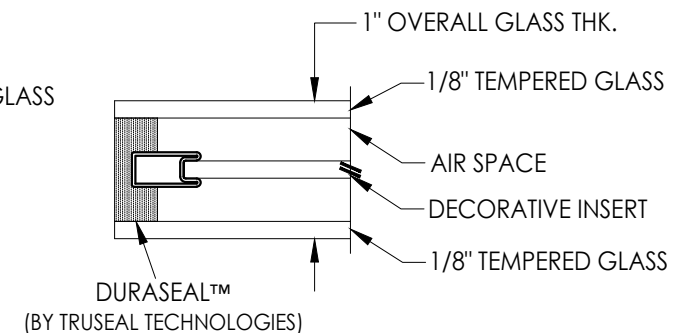


GRIDS BETWEEN GLASS DECORATIVE BLINDS BETWEEN GLASS

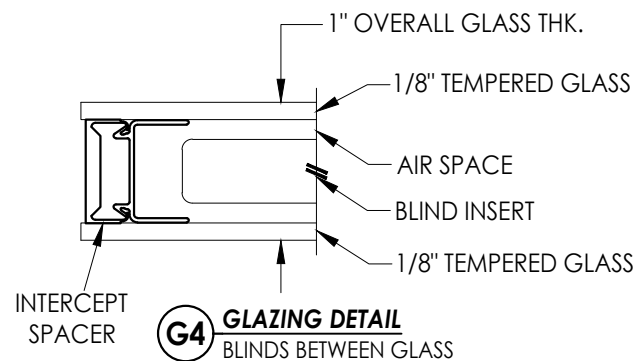
ALTERNATE GLAZING DETAILS



G2 **GLAZING DETAIL**
GRIDS BETWEEN GLASS



G3 **GLAZING DETAIL**
DECORATIVE

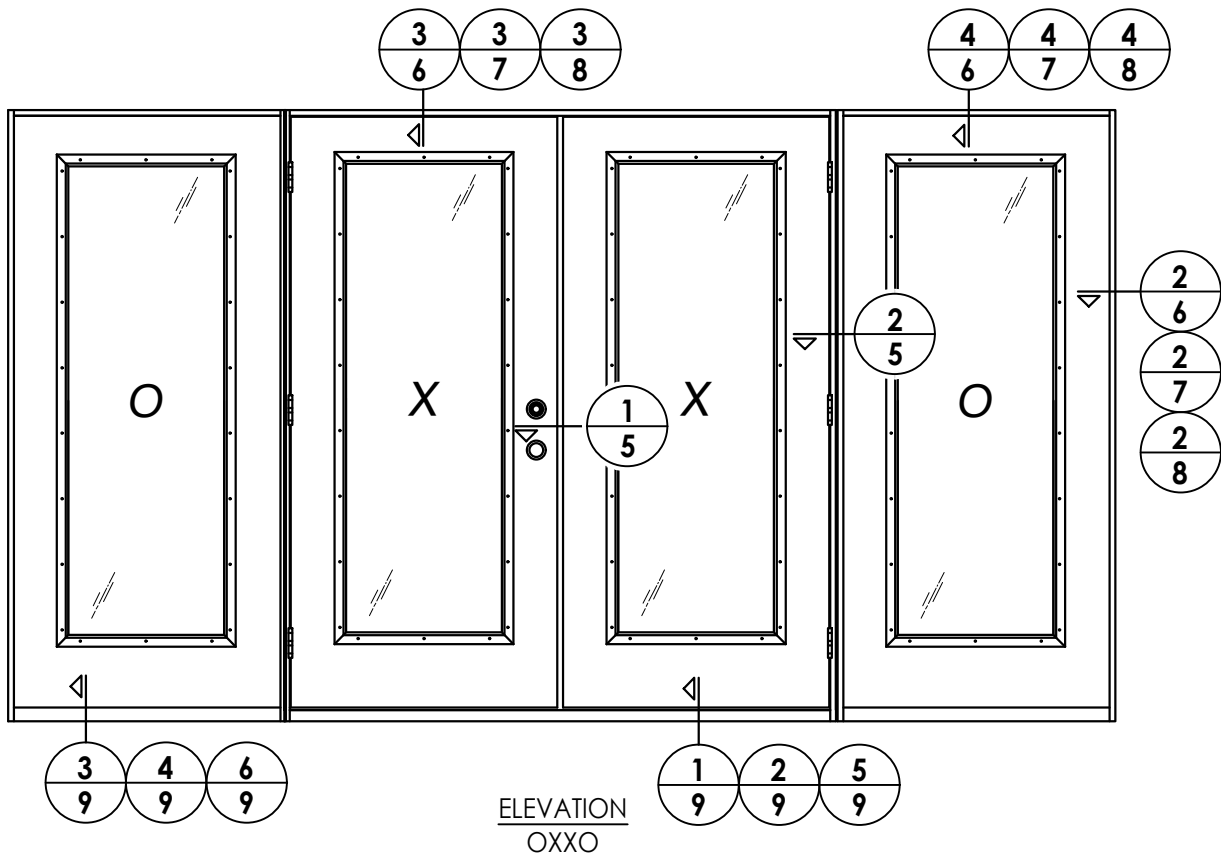
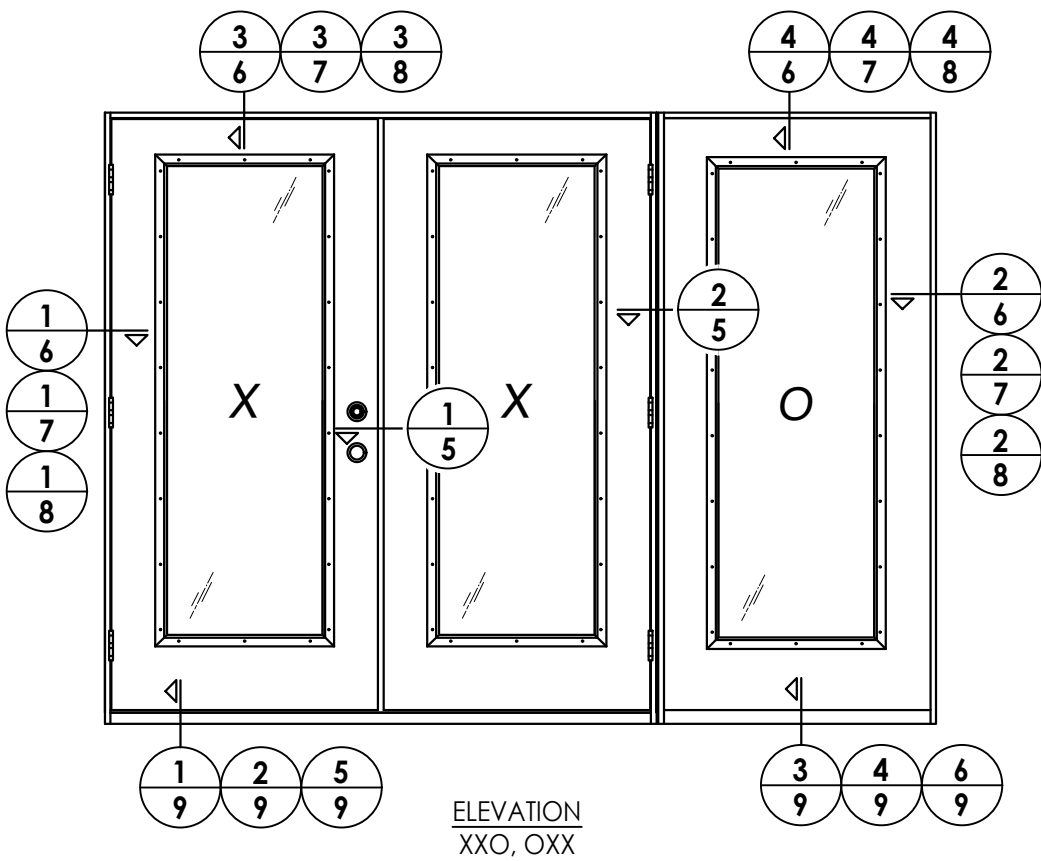
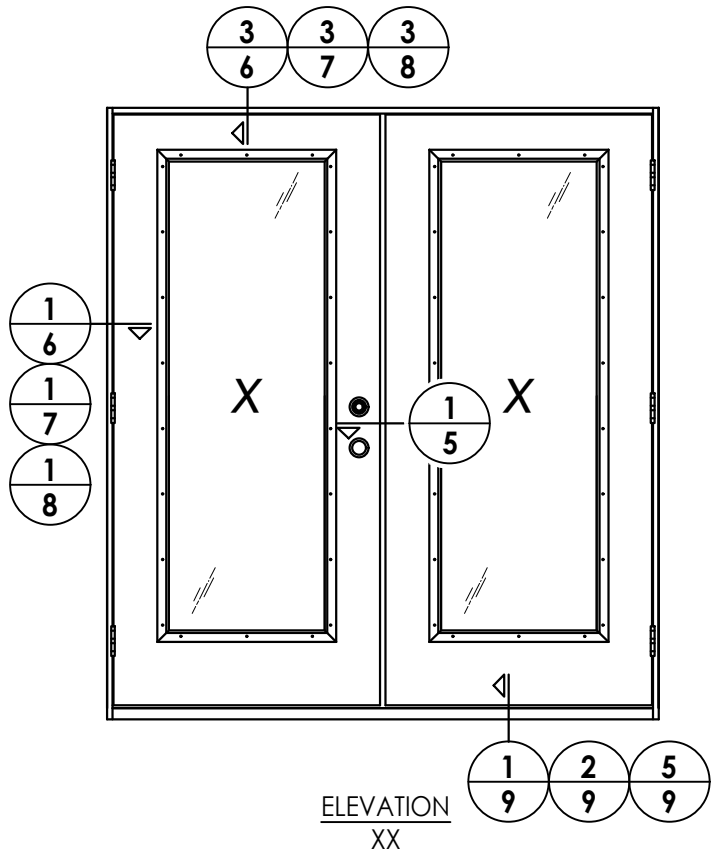


G4 **GLAZING DETAIL**
BLINDS BETWEEN GLASS

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

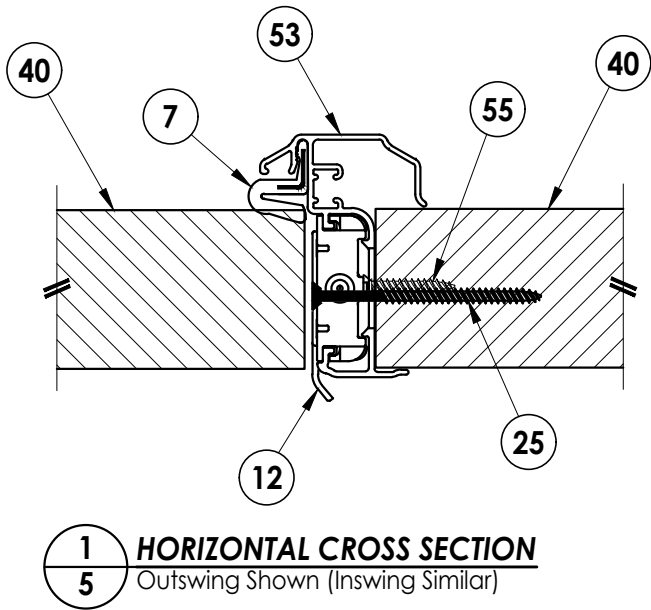
PRODUCT:		PART OR ASSEMBLY:	
ODL FIBERGLASS DOOR		SIDELITE PANEL & LITE FRAME GLAZING DETAILS	
		LFS	BY
		ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	NO. DATE
			REVISIONS
DATE: 2/15/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46117.4			
SHEET 3 OF 12			



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				<i>RW</i> 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					
				LFS		BY	
				12/05/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	NO	DATE
				REVISIONS			
DATE: 2/15/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46117.4							
SHEET 4 OF 12							

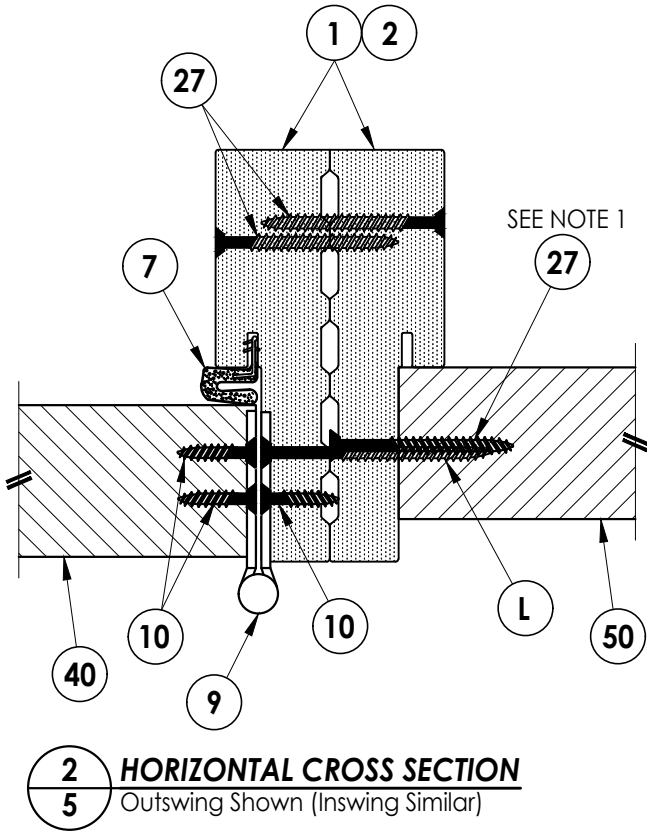
Z:\2023 FBC Drawings\ODL, Inc\FL-46117\FL-46117.4.dwg

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



INTERIOR

EXTERIOR

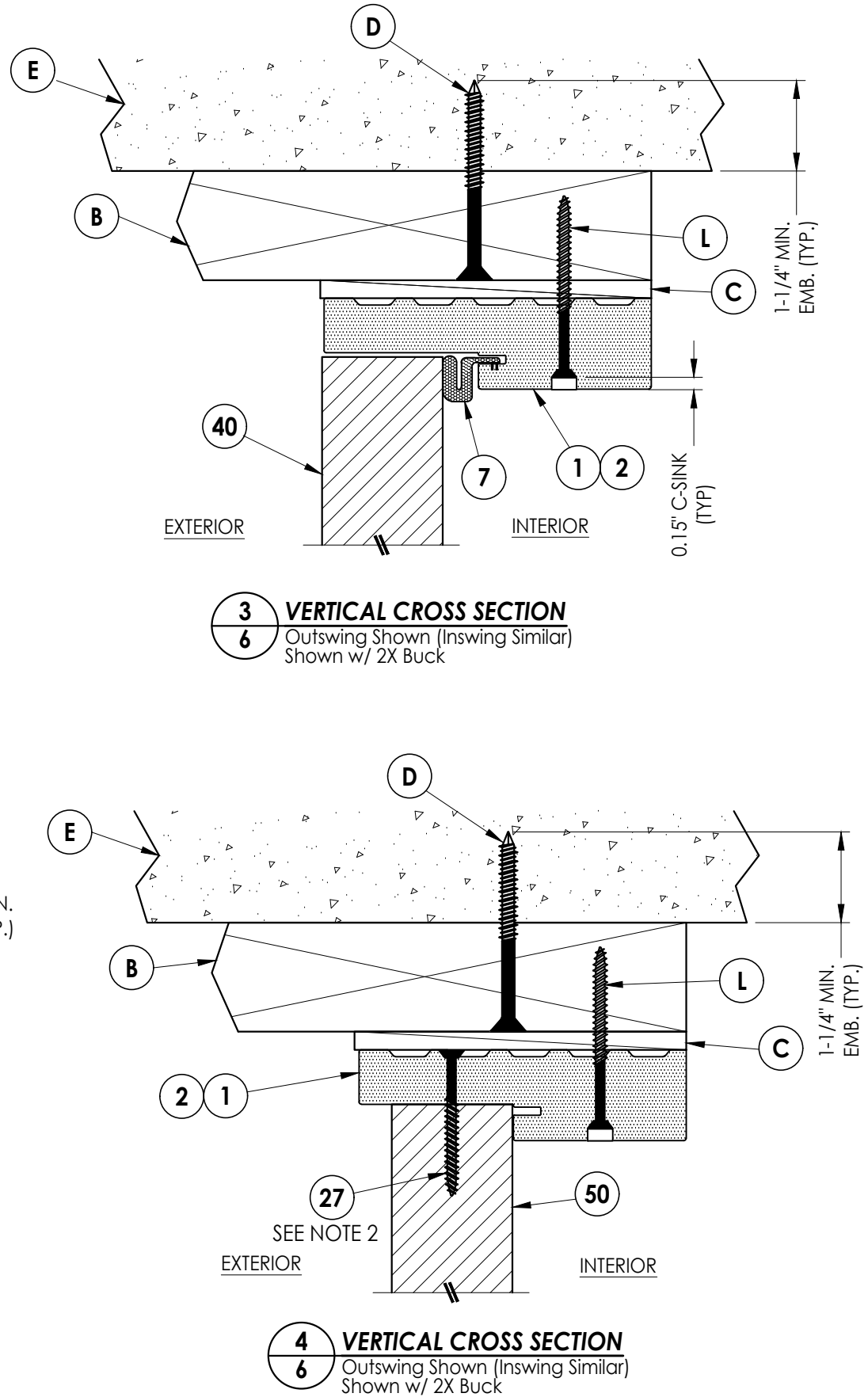
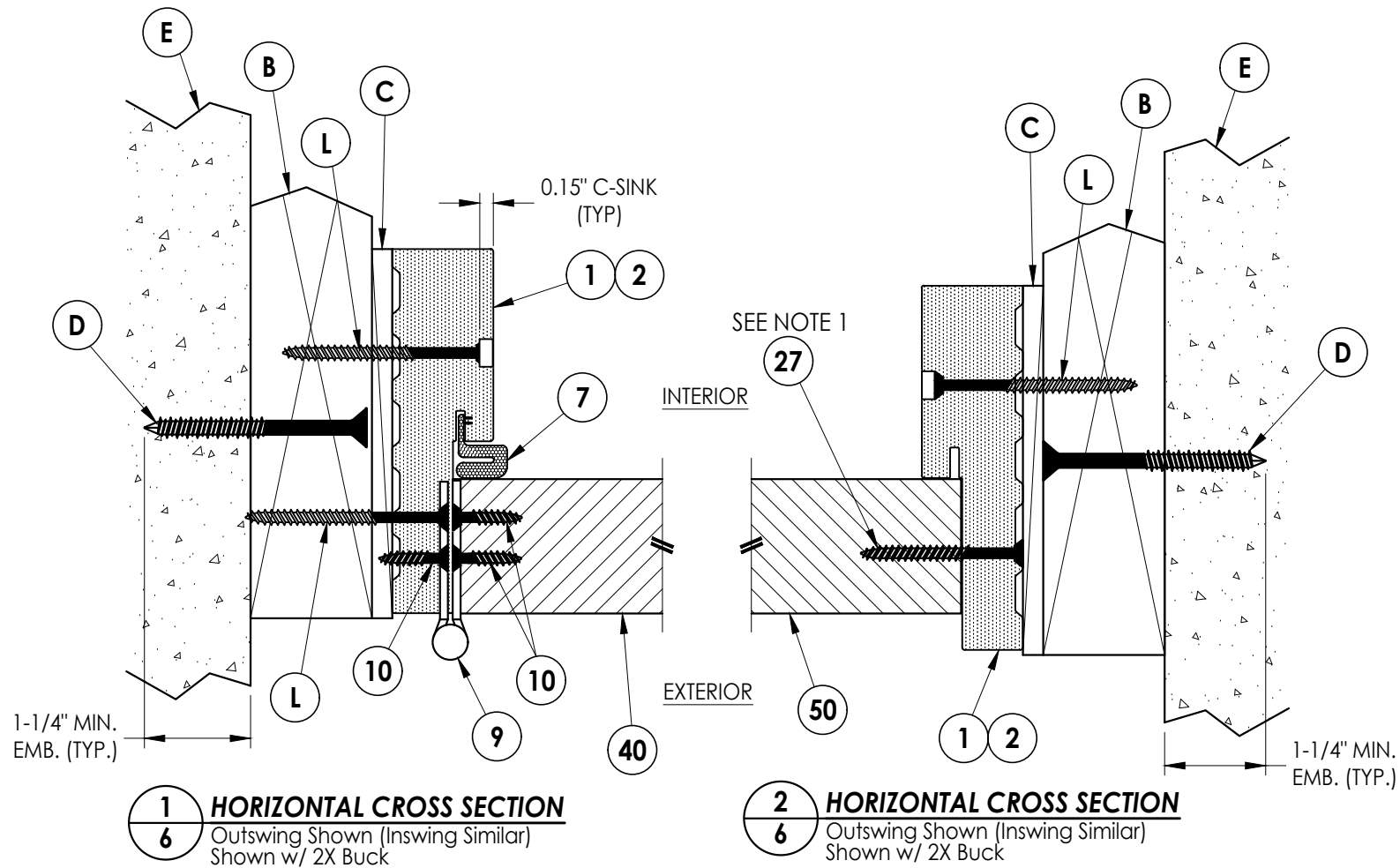


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS					
				1	12/05/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	LFS
				NO.	DATE		BY
				REVISIONS			
DATE: 2/15/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46117.4							
SHEET 5 OF 12							

Z:\2023 FBC Drawings\ODL, Inc\FL-46117\FL-46117.4.dwg

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.

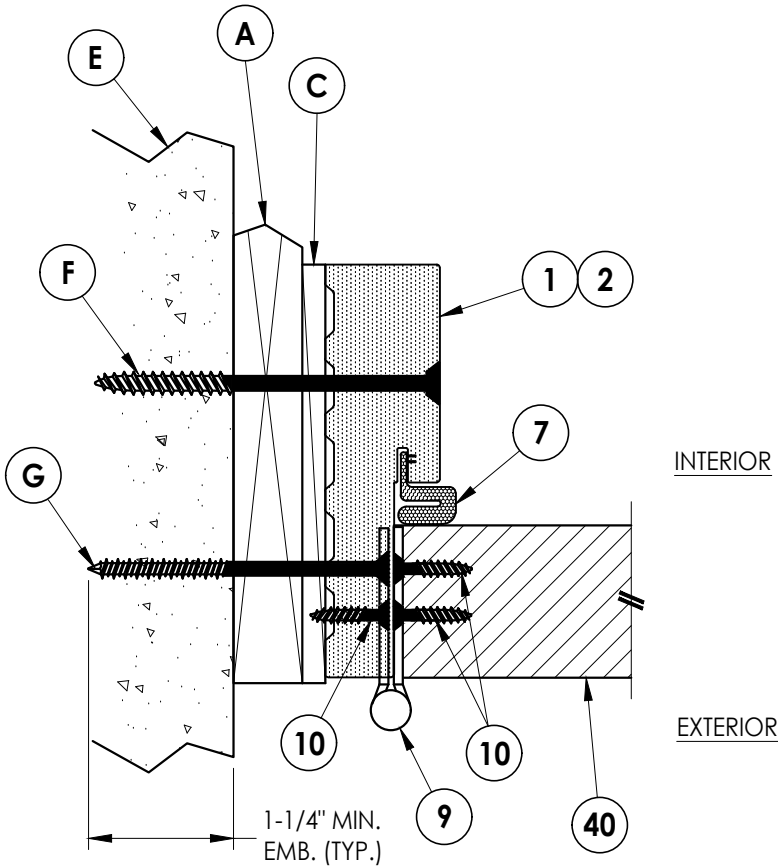


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
		LFS	BY
1	12/05/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	
NO.	DATE	REVISIONS	
DATE: 2/15/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46117.4			
SHEET 6 OF 12			

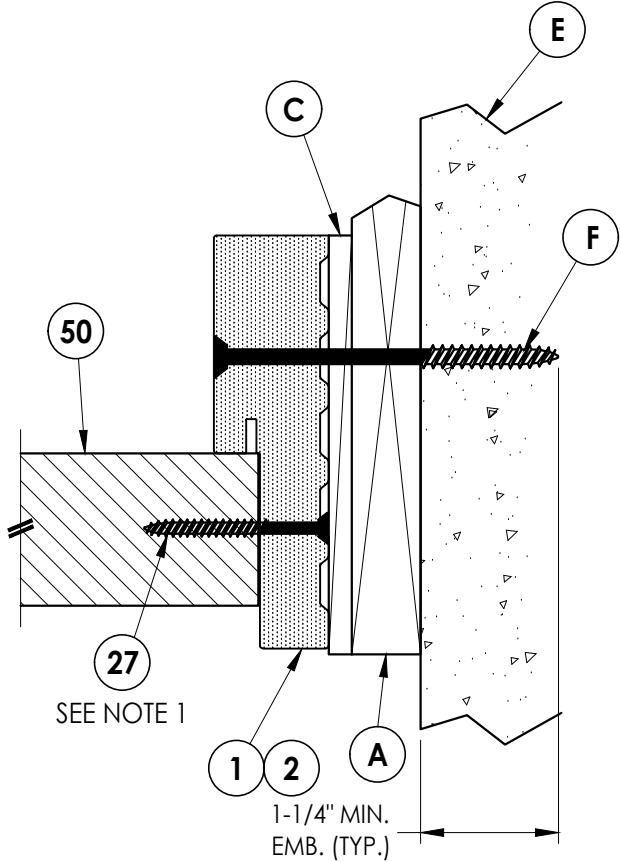
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Notes:

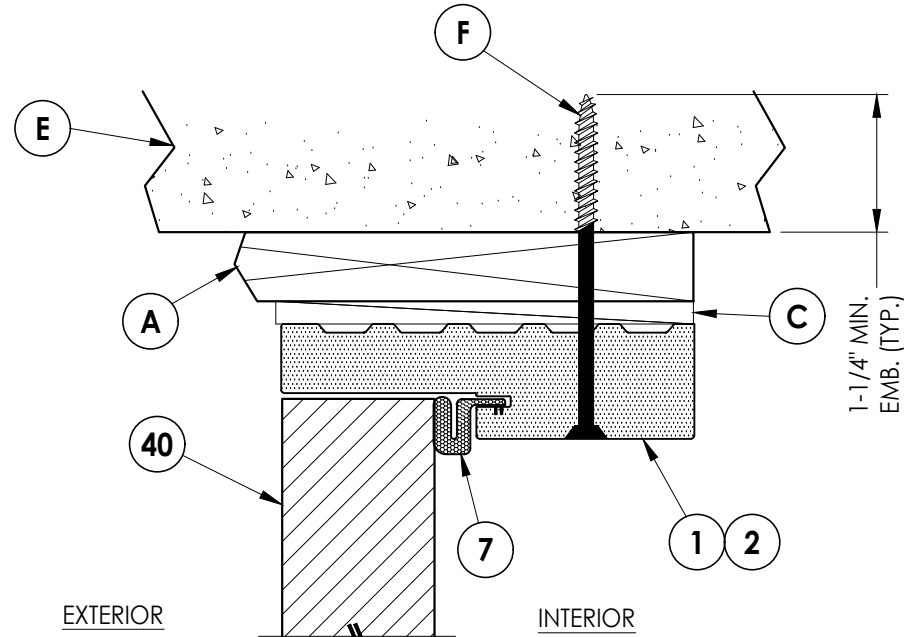
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.



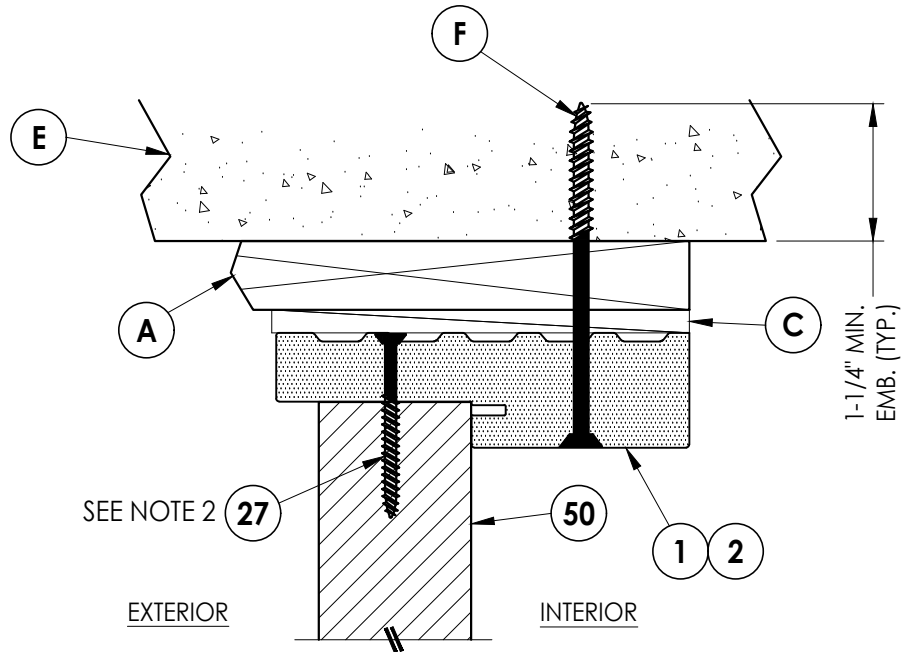
1
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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



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



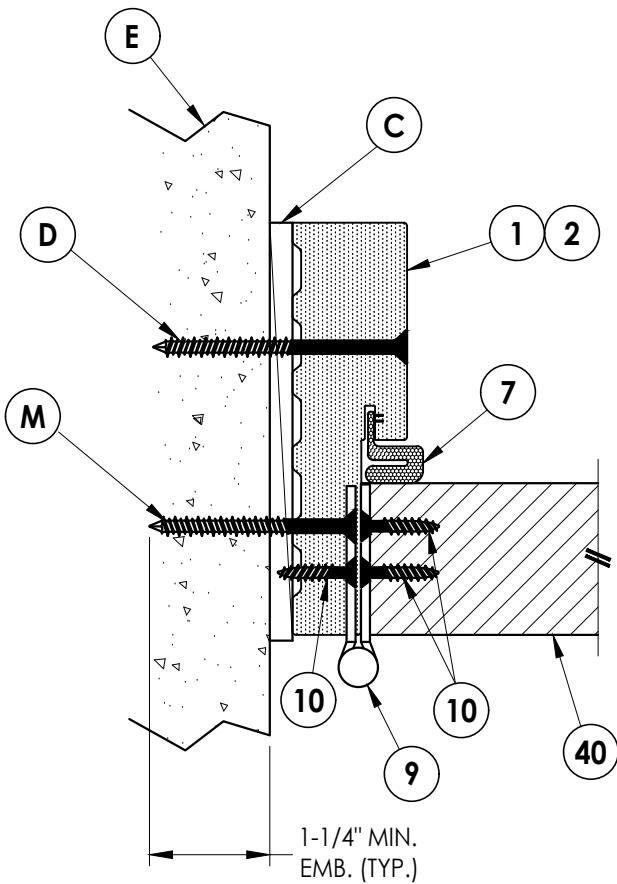
4
7 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

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

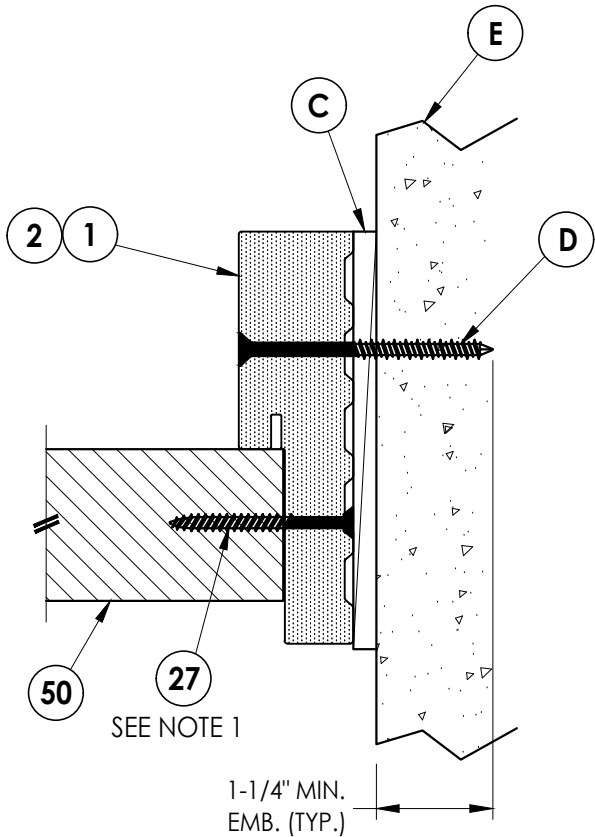
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		ODL		FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL		CROSS SECTIONS (1X BUCK)	
NO.		DATE		REVISIONS	
1		12/05/24		ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	
LFS		BY			
DATE					
DATE:		2/15/24			
SCALE:		N.T.S.			
DWG. BY:		LFS			
CHK. BY:		RW			
DRAWING NO.:		FL-46117.4			
SHEET		7		OF 12	

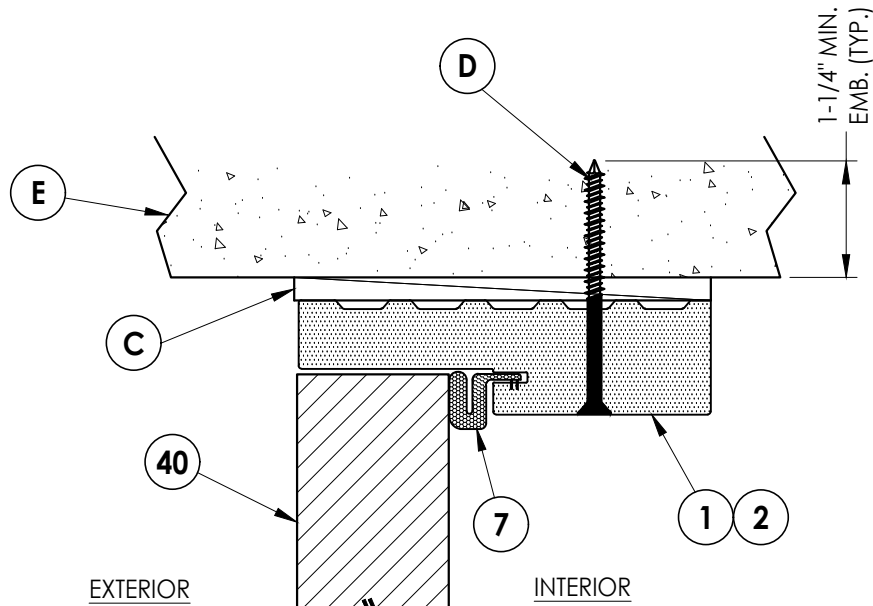
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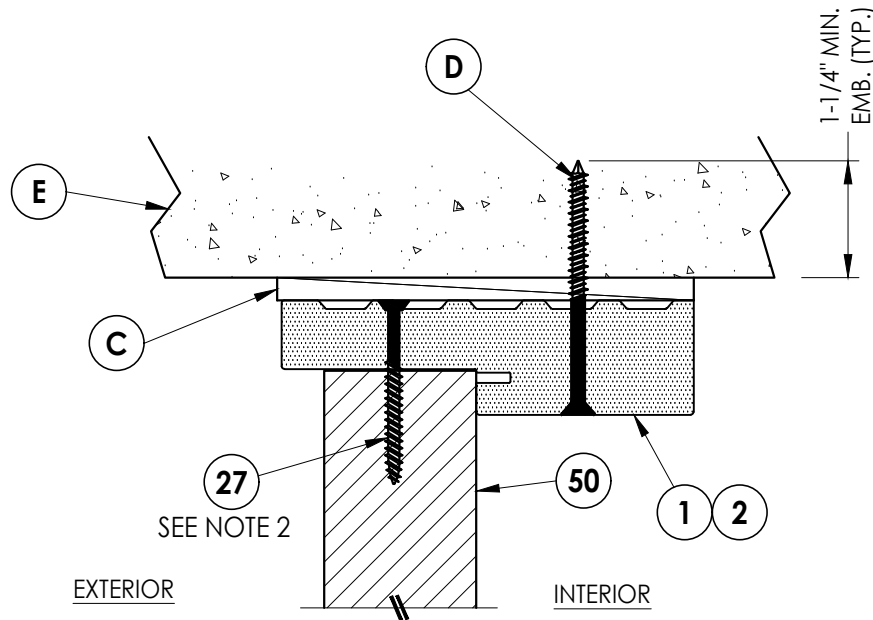
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



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



4
8 **VERTICAL CROSS SECTION**
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.

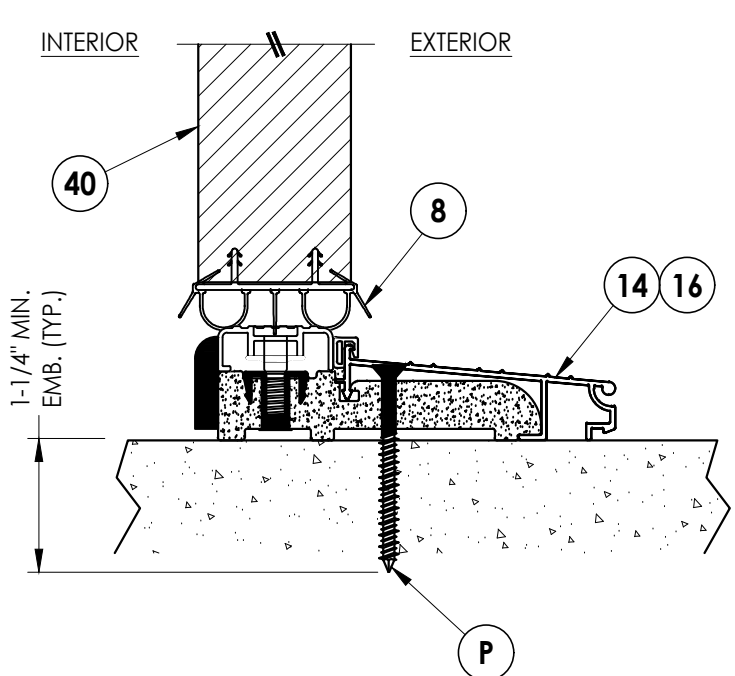
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.

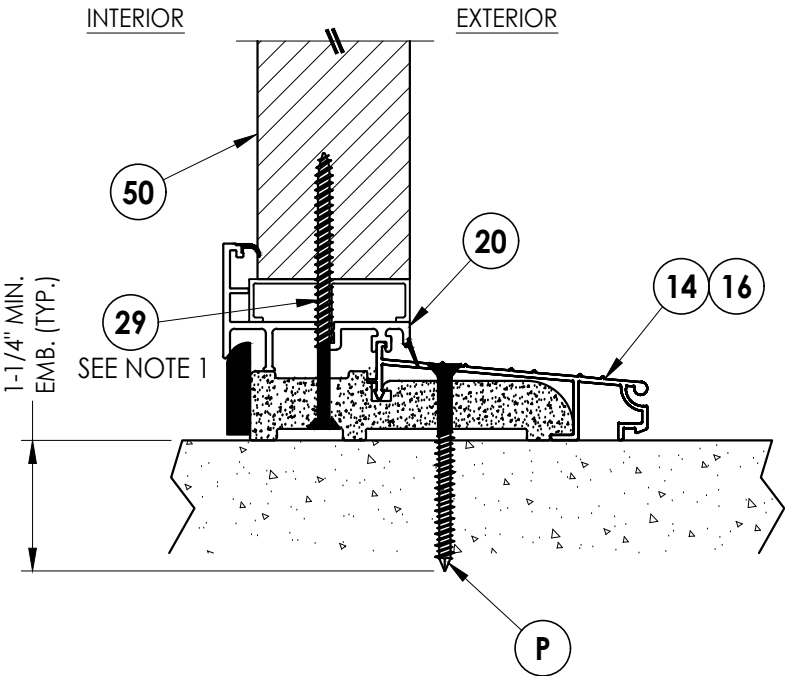
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		ODL		FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			
1	12/05/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS		LFS	
NO.	DATE			BY	
				REVISIONS	
DATE: 2/15/24					
SCALE: N.T.S.					
DWG. BY:		LFS			
CHK. BY:		RW			
DRAWING NO.: FL-46117.4					
SHEET 8 OF 12					

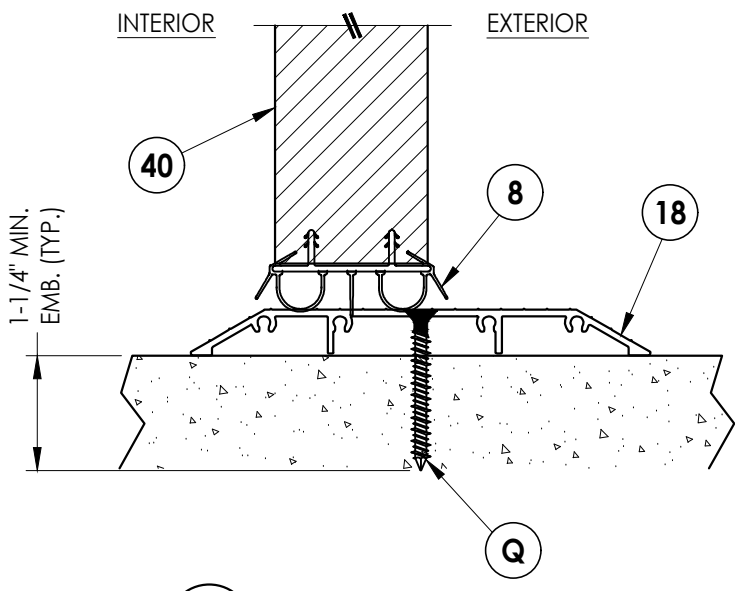
Note:
1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.



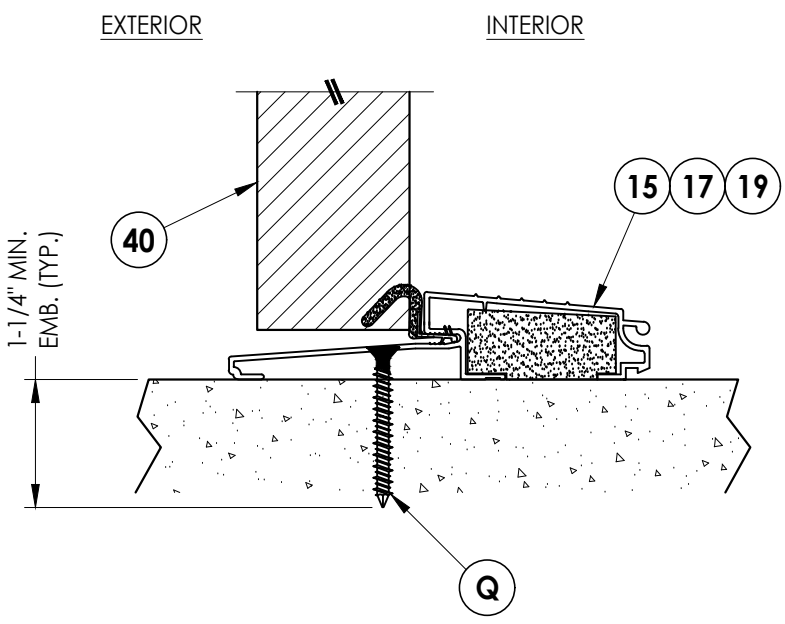
1
9 VERTICAL CROSS SECTION
Inswing Sill



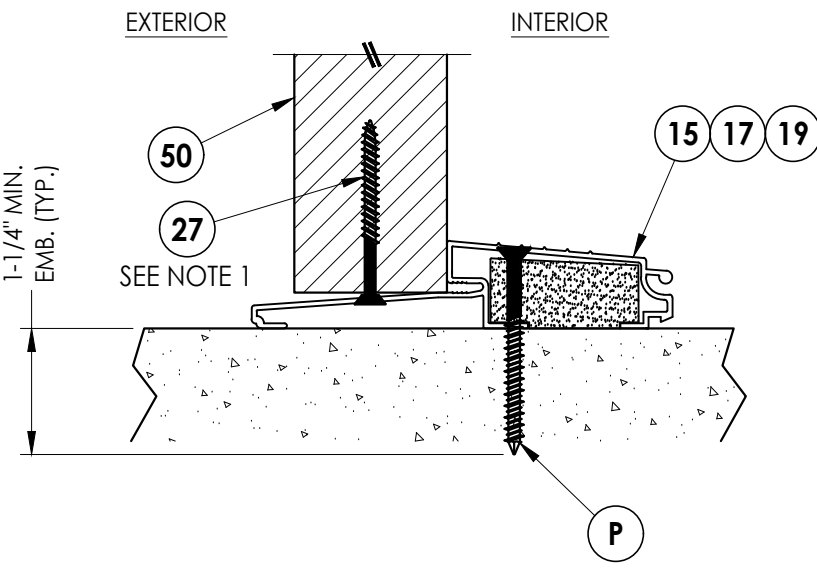
3
9 VERTICAL CROSS SECTION
Inswing Sill



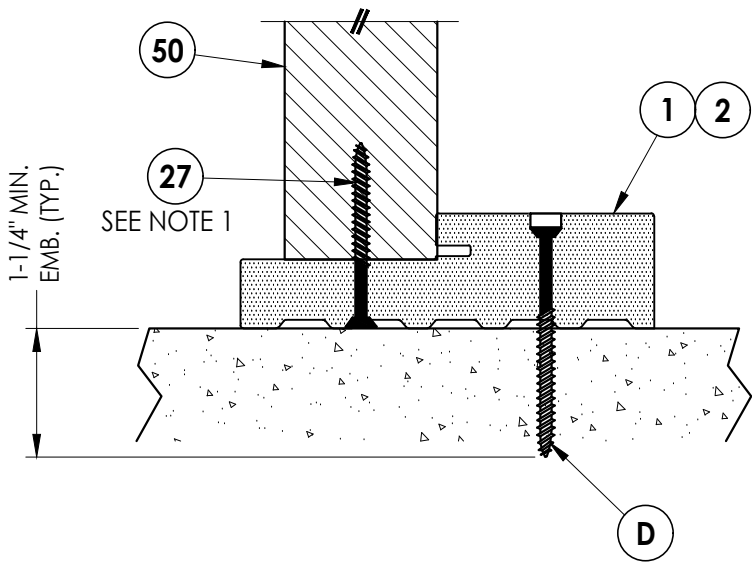
5
9 VERTICAL CROSS SECTION
ADA Sill



2
9 VERTICAL CROSS SECTION
Outswing Sill

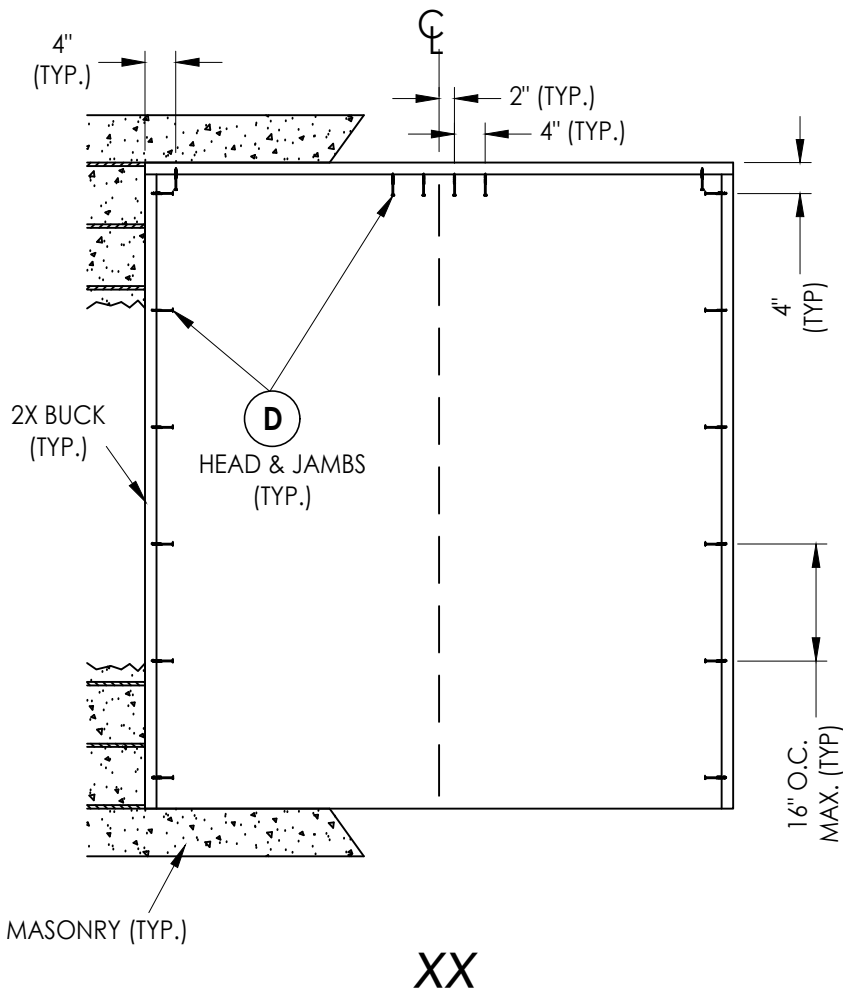


4
9 VERTICAL CROSS SECTION
Outswing Sill

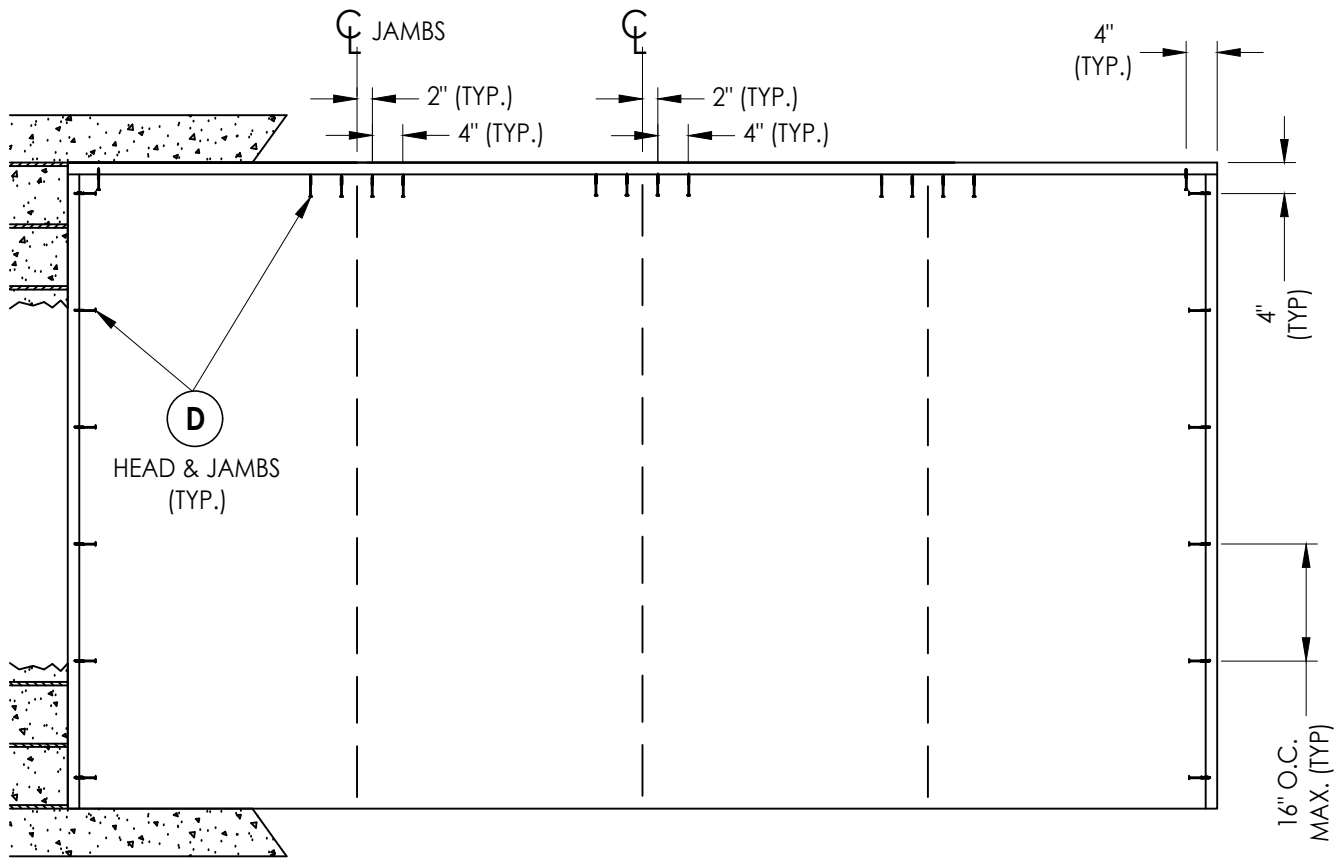


6
9 VERTICAL CROSS SECTION
Boxed Sidelite Sill

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)			



XX

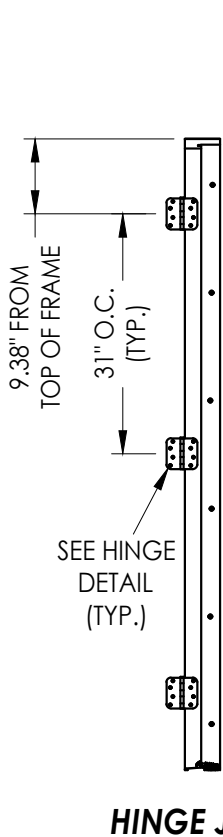
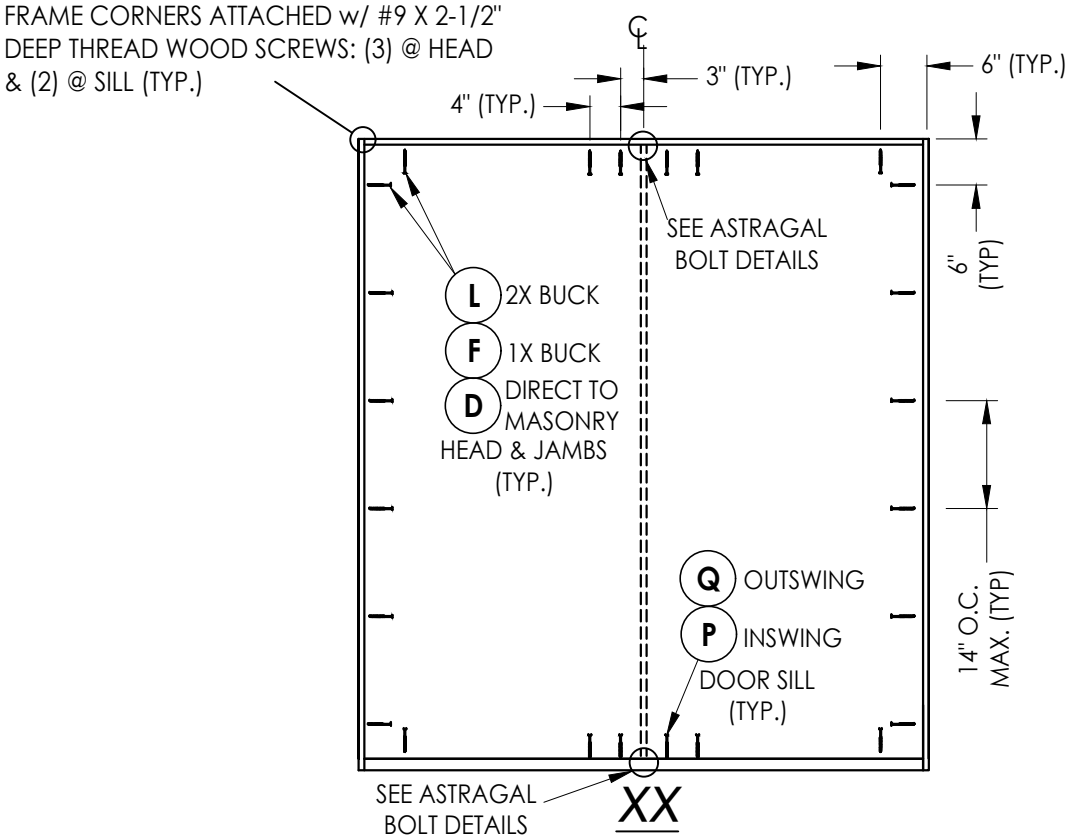


OXXO (Shown)
XXO, OXX (Similar)

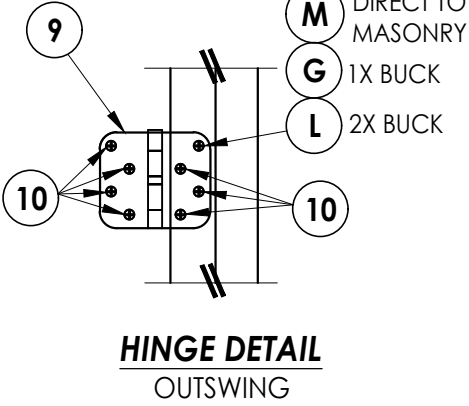
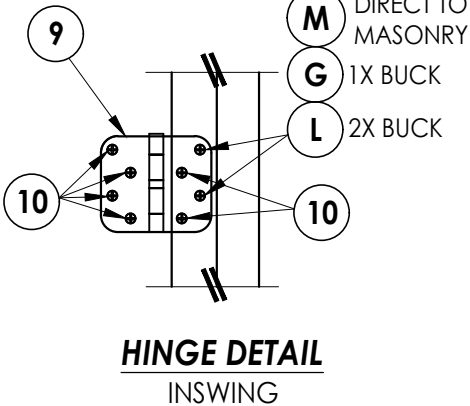
2X BUCK ANCHORING

DATE: 2/15/24		PRODUCT: ODL		Documents Prepared By:	
SCALE: N.T.S.		FIBERGLASS DOOR		Lyndon F. Schmidt	
DWG. BY: LFS				P.E. No. 43409	
CHK. BY: RW					
DRAWING NO.: FL-46117.4					
SHEET 10 OF 12		PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
		BUCK ANCHORING			
NO. DATE		LFS			
REVISIONS		BY			
		ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS			

Z:\2023 FBC Drawings\ODL, Inc\FL-46117\FL-46117.4.dwg



HINGE JAMB

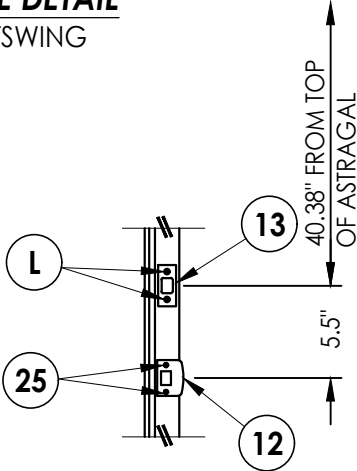


HINGE DETAIL

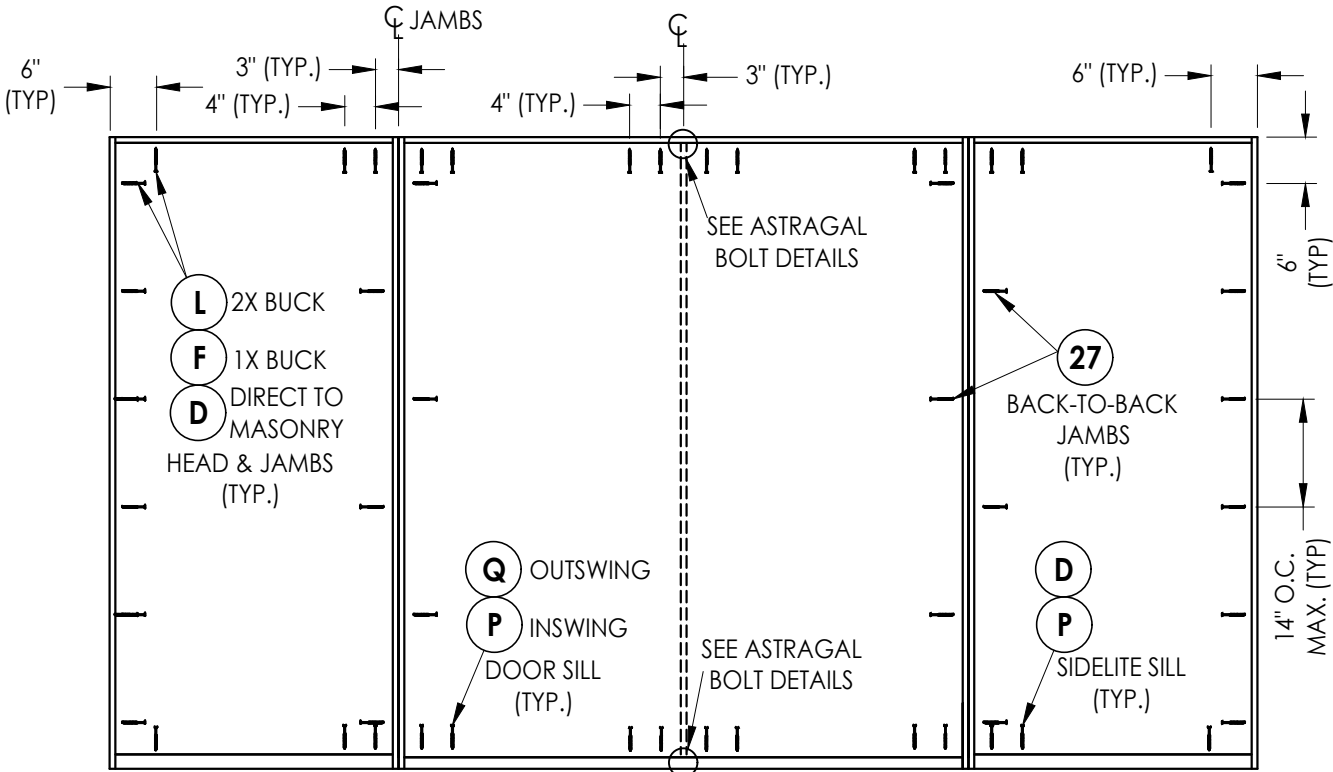
INSWING

HINGE DETAIL

OUTSWING



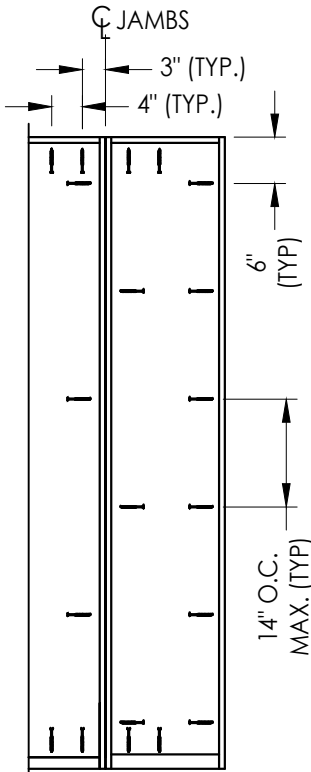
LATCH & DEADBOLT STRIKE PLATE DETAILS



OXXO (Shown)

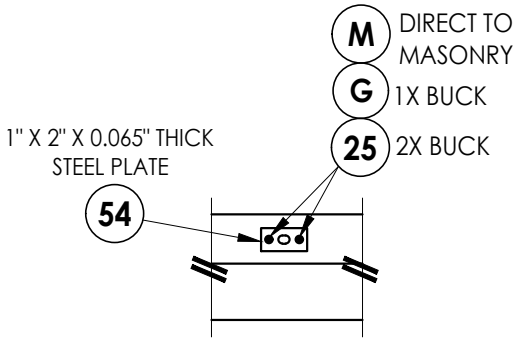
XXO, OXX (Similar - Use jamb anchoring from XX above)

FRAME ANCHORING

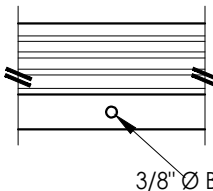


ALL ANCHORS SAME AS OXXO

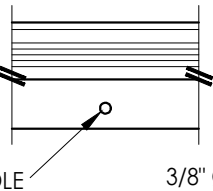
Shown w/ 14" Sidelite



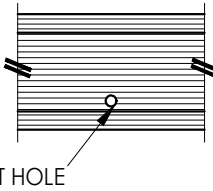
ASTRAGAL BOLT DETAIL
STRIKE PLATE @ HEAD



ASTRAGAL BOLT DETAIL
INSWING THRESHOLD



ASTRAGAL BOLT DETAIL
OUTSWING THRESHOLD



ASTRAGAL BOLT DETAIL
ADA THRESHOLD

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

NO.	DATE	REVISIONS	BY
1	12/05/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	LFS

DATE: 2/15/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46117.4
SHEET 11 OF 12

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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
Q	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB (STARLINK, WORLDWIDE, OR PLASTPRO)	COMP
2	WOOD JAMB (FJ PINE OR PLASTPRO)	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 THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP
18	ADA THRESHOLD	ALUM
19	ADA OUTSWING THRESHOLD	ALUM
20	INSWING SIDELITE BASE	PVC/ALUM
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
29	#10 X 3" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL
55	8 X 1" PFH WS	STEEL

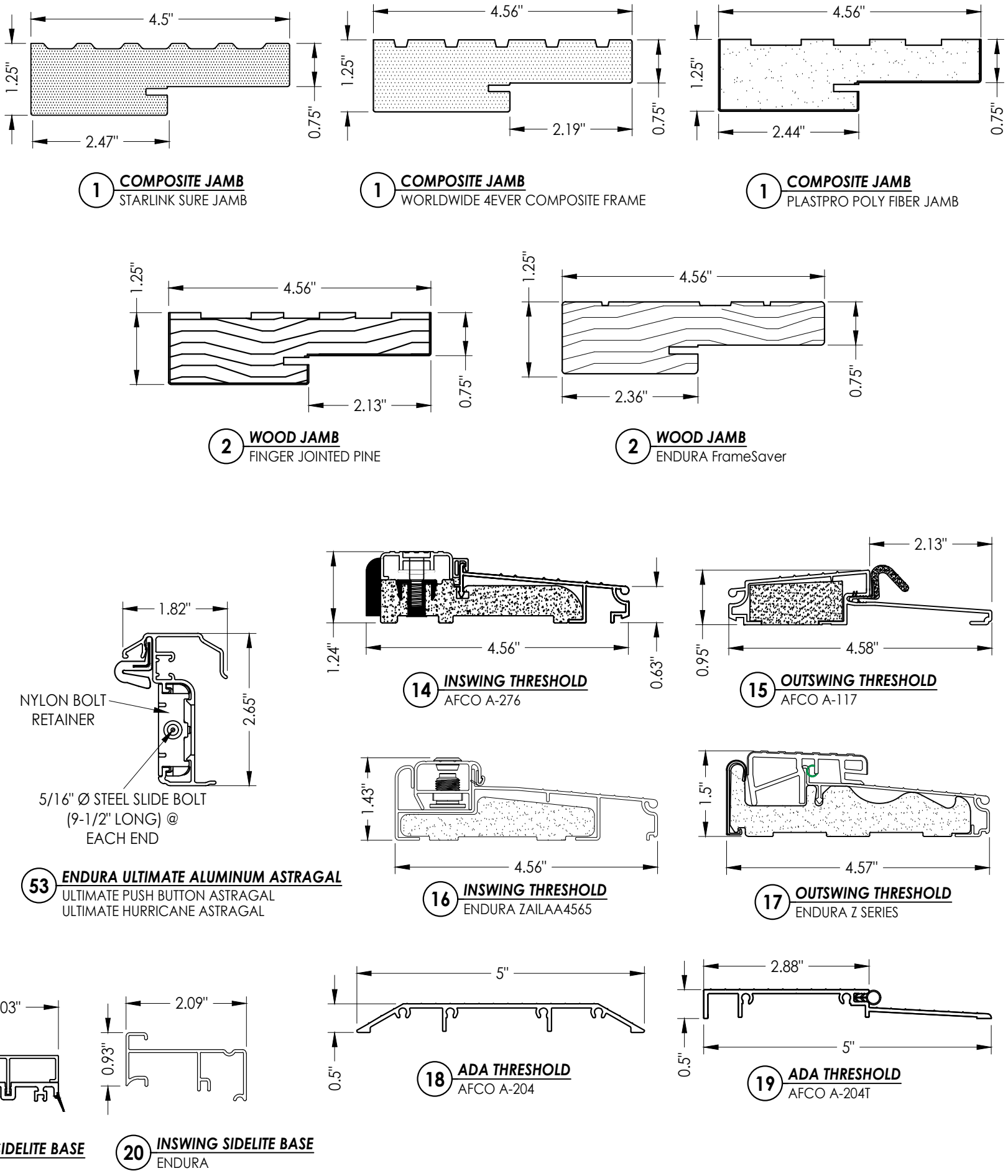
CONCRETE ANCHOR NOTES:

- 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.



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

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
1	12/05/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS

DATE: 2/15/24

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