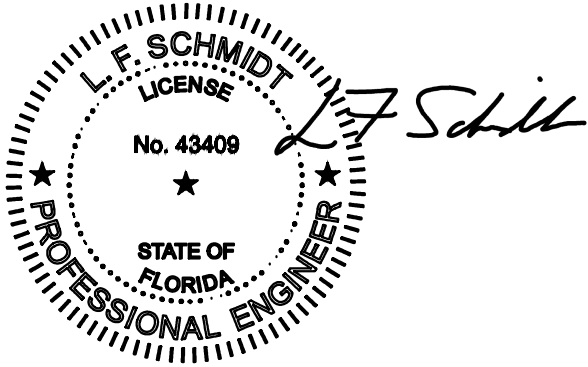


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215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464



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.

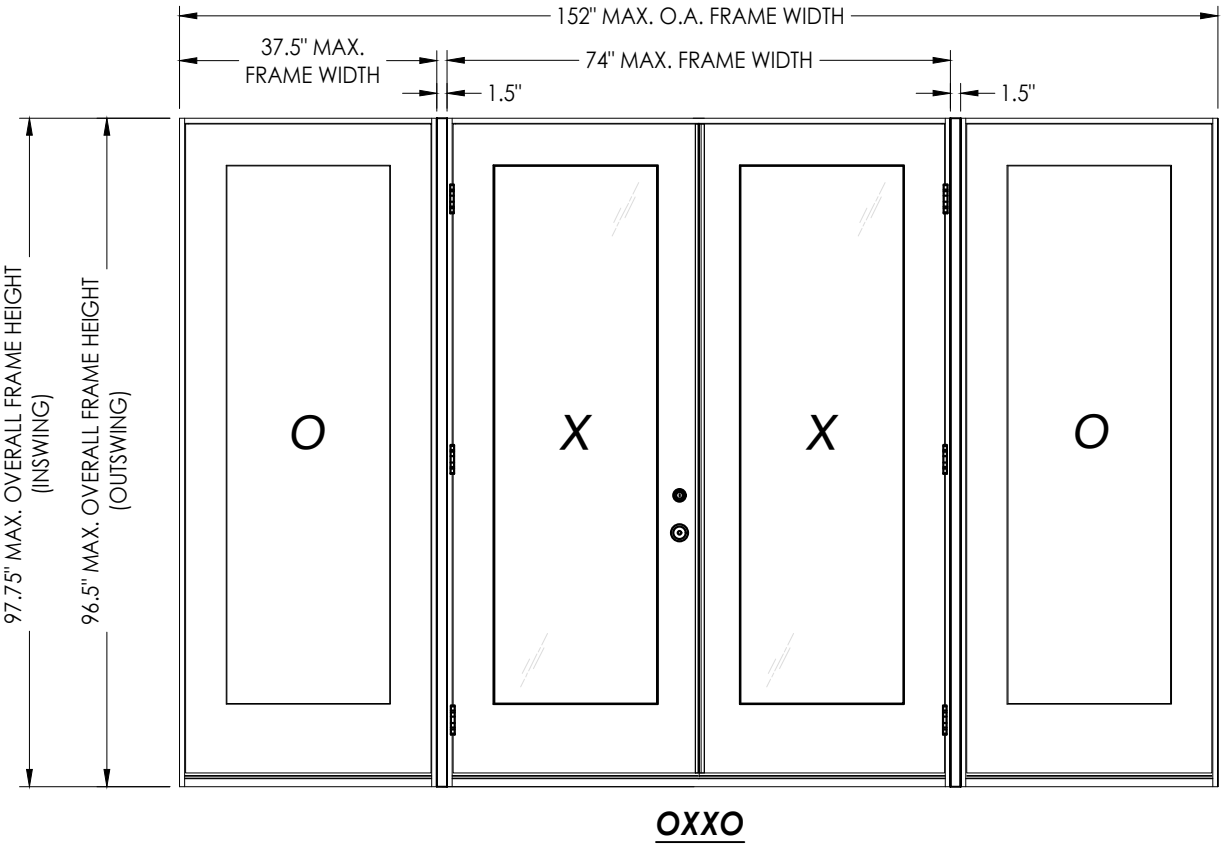
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

**FLUSH GLAZED FIBERGLASS DOOR
DOUBLE w/ or w/out SIDELITES
INSWING/OUTSWING
"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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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 Details & Flush Glazing Details	9	Vertical Cross Sections (Thresholds)
4	Elevations & Flush 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	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 97.75"	+40.0	-45.0	+45.0	-45.0
OXXO	152.0" x 97.75"	+40.0	-45.0	+45.0	-45.0

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

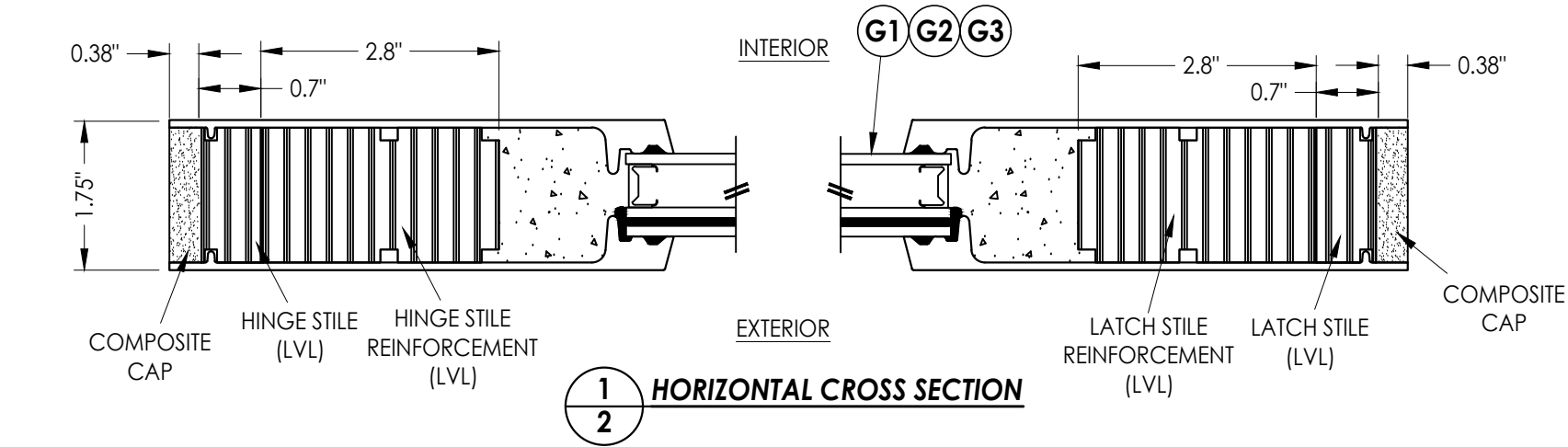
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

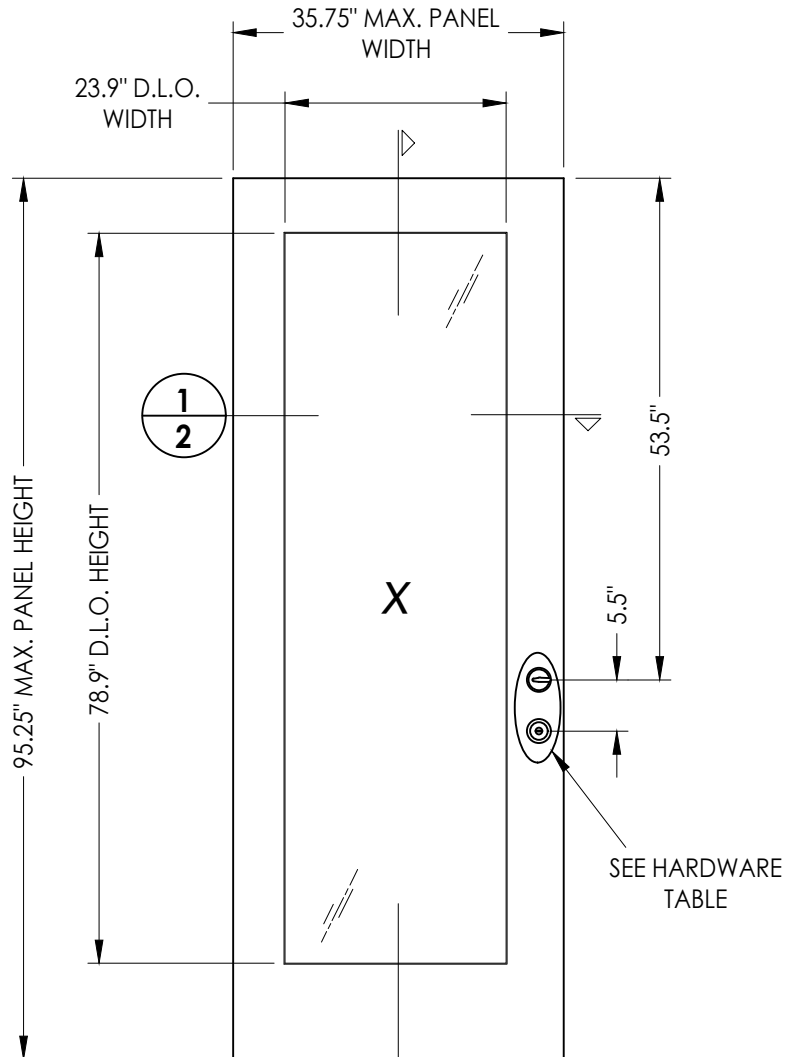
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		BY	LFS
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DATE: 5/14/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46121.11
SHEET 1 OF 12

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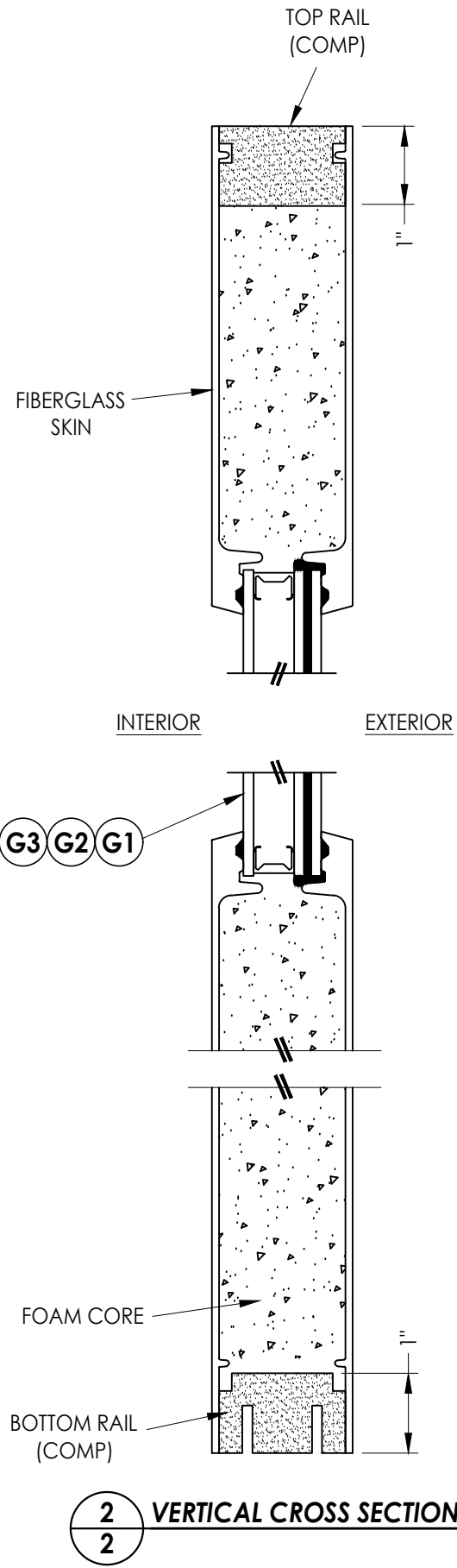
1
2 **HORIZONTAL CROSS SECTION**



40 **FIBERGLASS DOOR PANEL**
ODL FLUSH GLAZED

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

HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	KNOB:	F SERIES
	DEADBOLT:	B60 SERIES



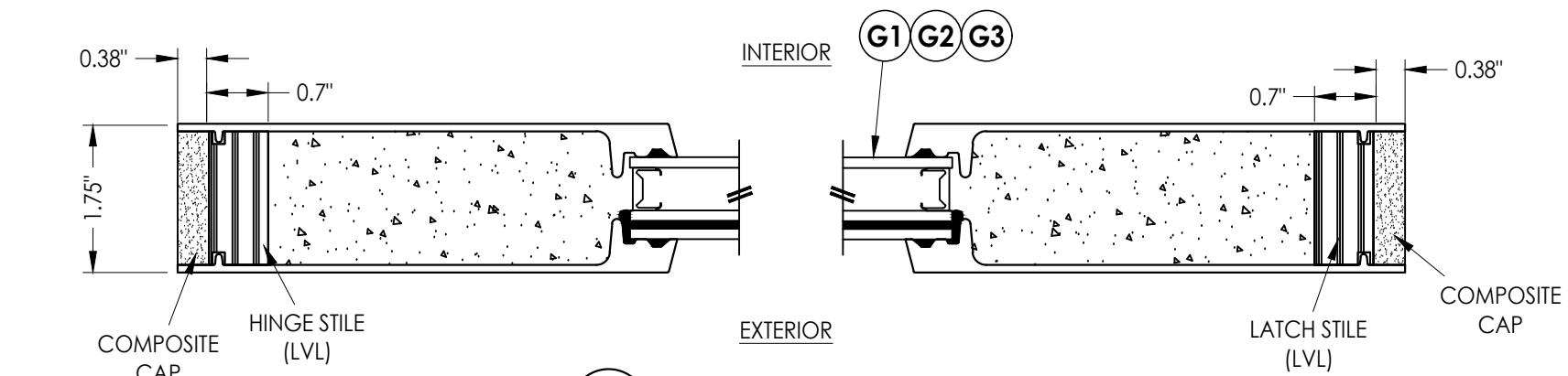
2
2 **VERTICAL CROSS SECTION**

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

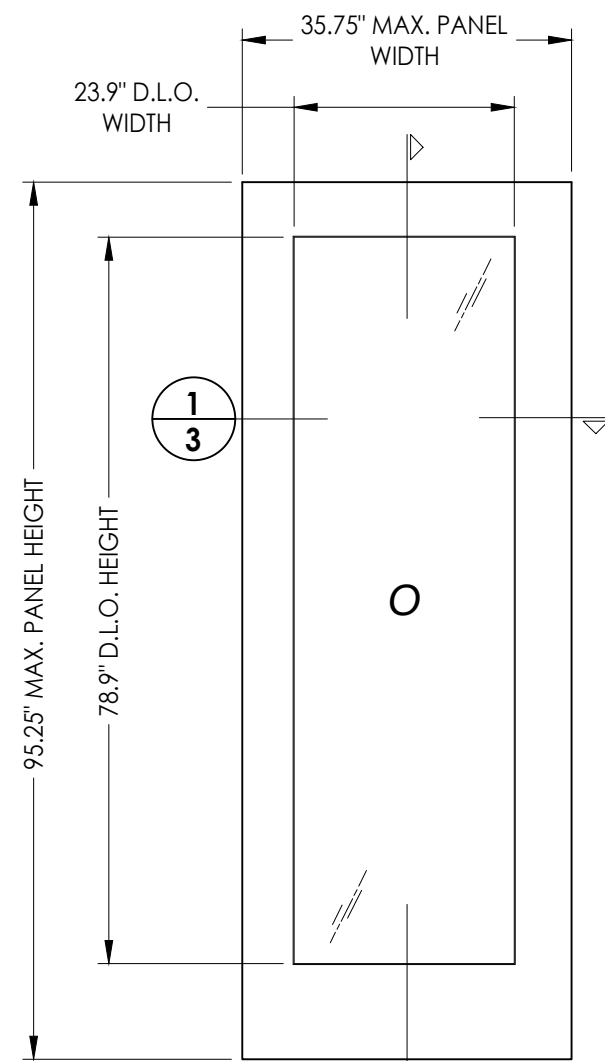
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	ODL FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
			LFS	BY
			ADD ALTERNATE JAMBS, ASTRAGAL, GLAZING DETAIL, & THRESHOLDS	
			NO.	DATE
			REVISIONS	

DATE: 5/14/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46121.11
SHEET 2 OF 12

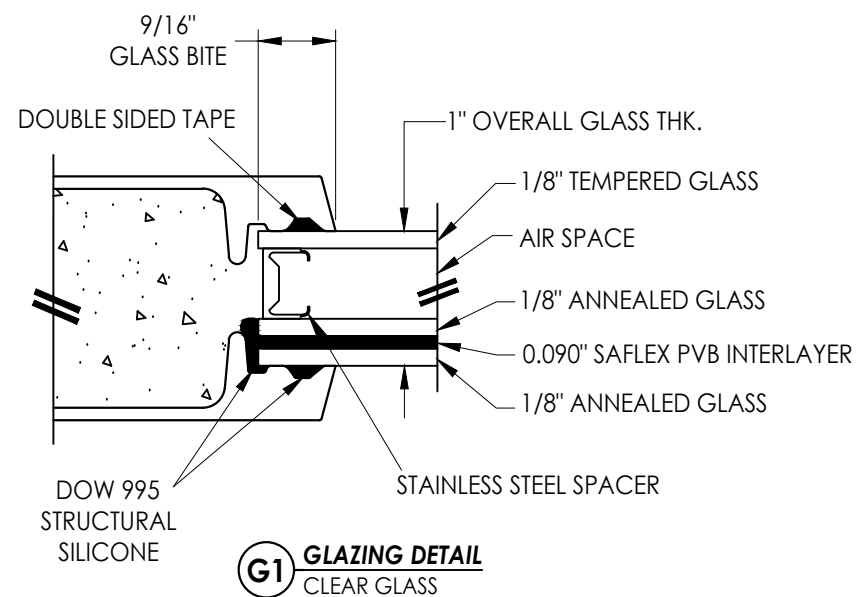


1 **HORIZONTAL CROSS SECTION**
3

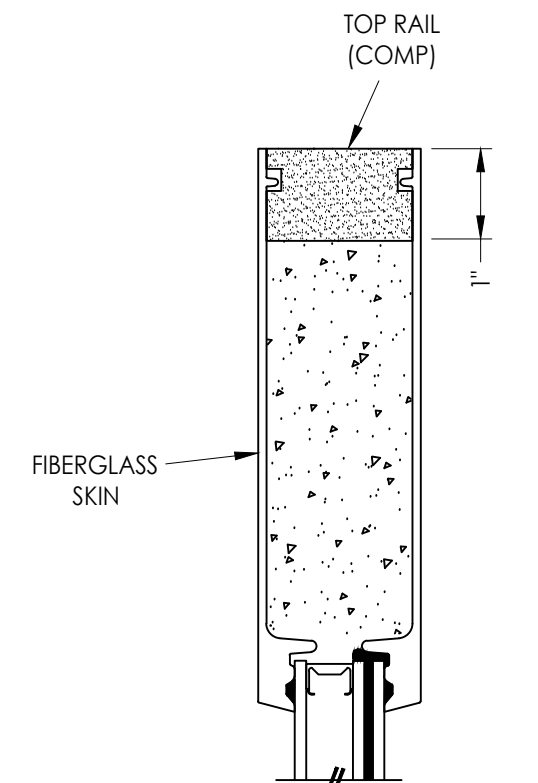


50 **FIBERGLASS SIDELITE PANEL**
ODL FLUSH GLAZED

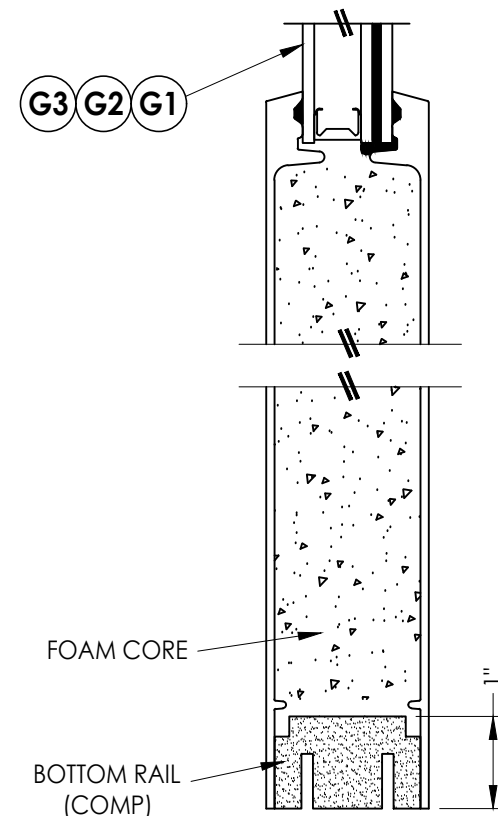
FIBERGLASS SKIN: 0.090" MIN. THK.
FOAM CORE: POLYSTYRENE



G1 **GLAZING DETAIL**
CLEAR GLASS



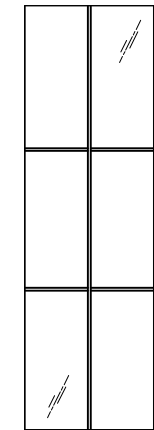
INTERIOR EXTERIOR



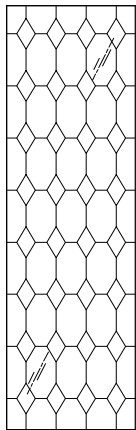
2 VERTICAL CROSS SECTION

[illegible]

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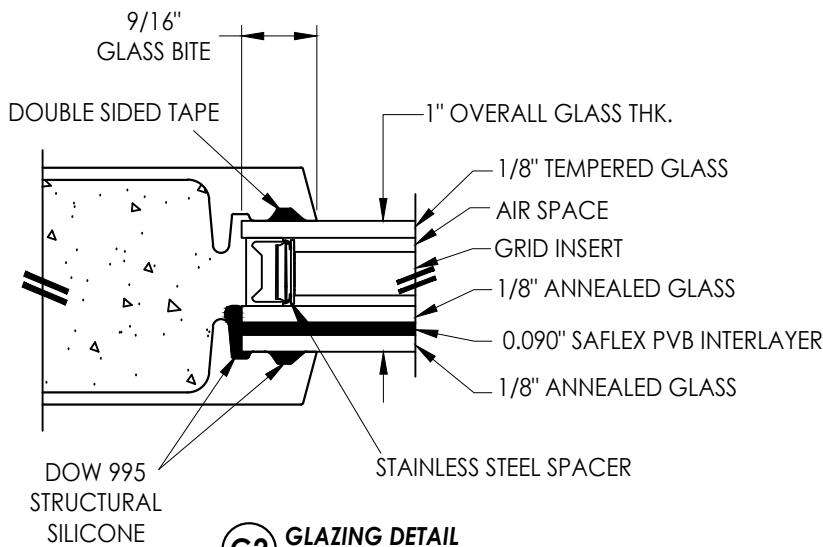
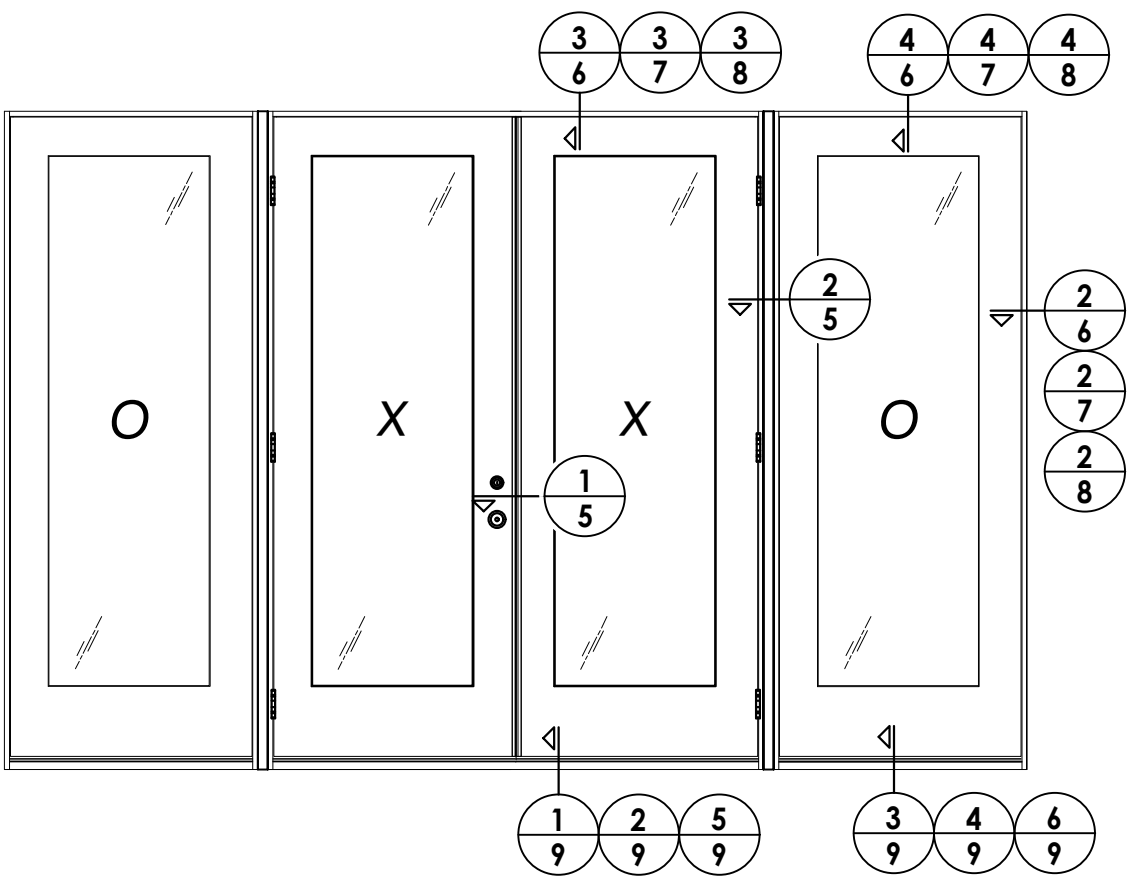
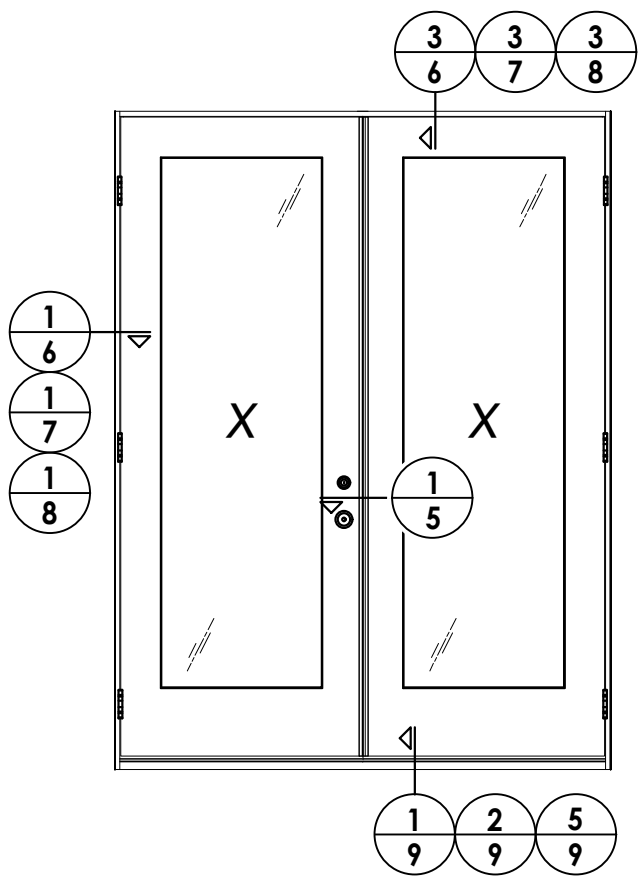


GRIDS BETWEEN
GLASS

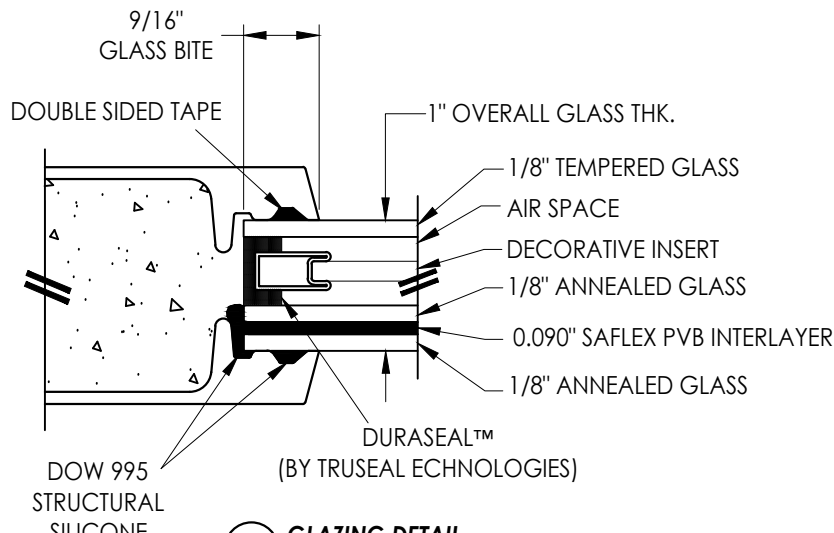


DECORATIVE
GLASS

ALTERNATE GLAZING DETAILS



G2 GLAZING DETAIL
GRIDS BETWEEN GLASS

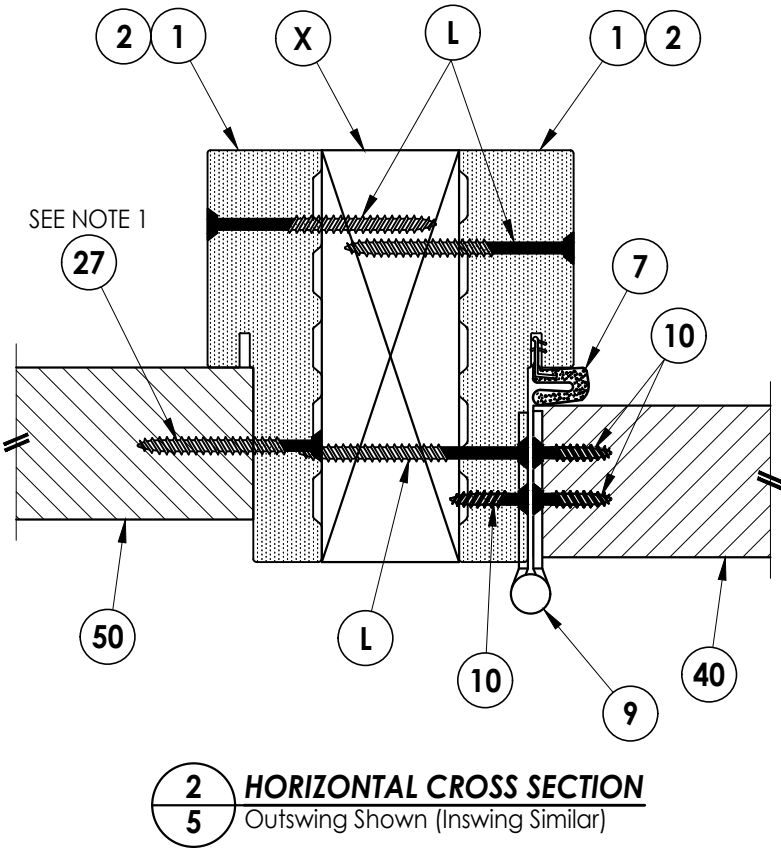


G3 GLAZING DETAIL
DECORATIVE GLASS

PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: ELEVATIONS & FLUSH GLAZING OPTIONS	
		LFS	BY
		ADD ALTERNATE JAMBS, ASTRAGAL, GLAZING DETAIL, & THRESHOLDS	
		NO	DATE
		1	1/20/25
DATE: 5/14/24		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-46121.11		SHEET 4 OF 12	

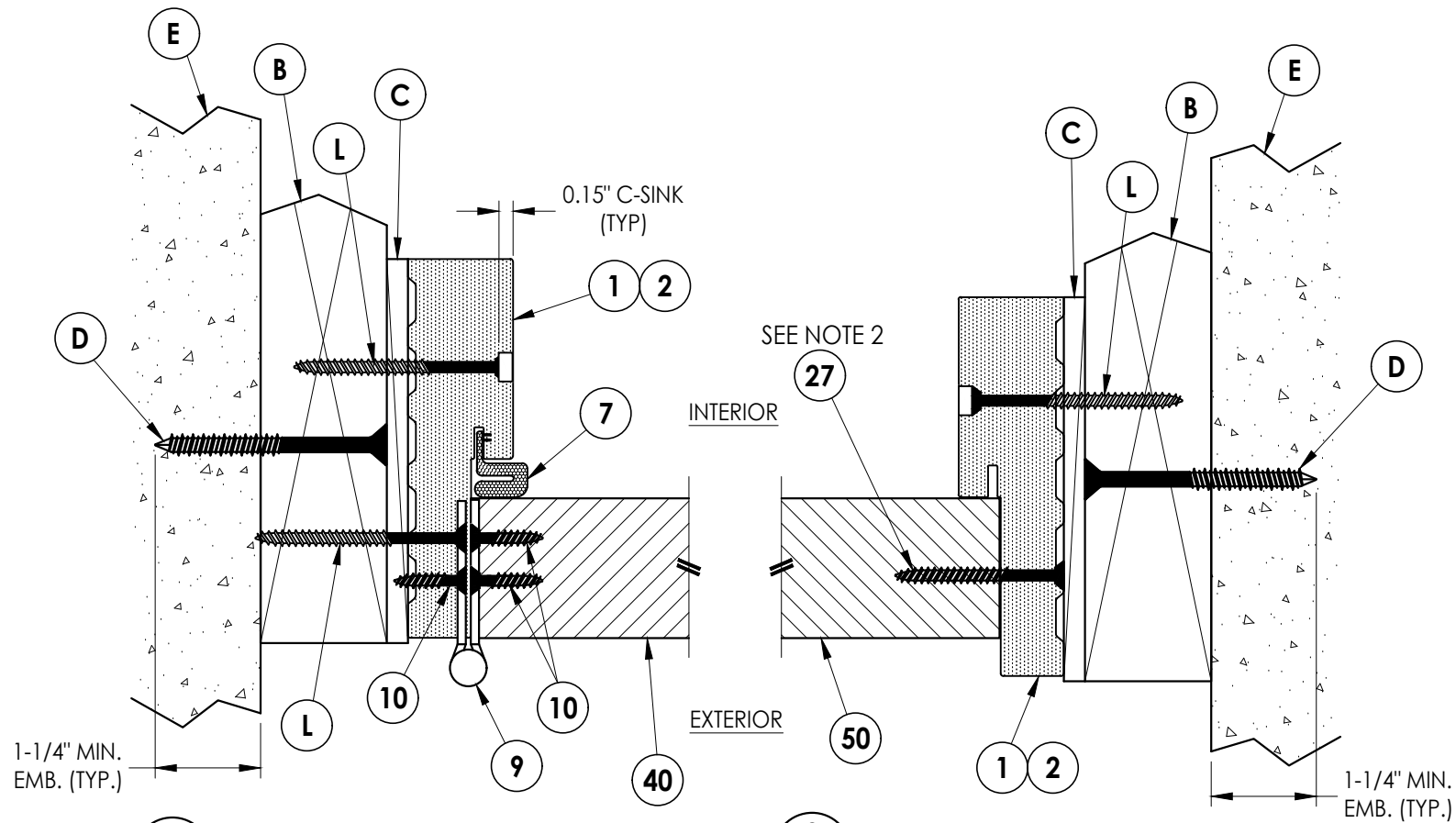
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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



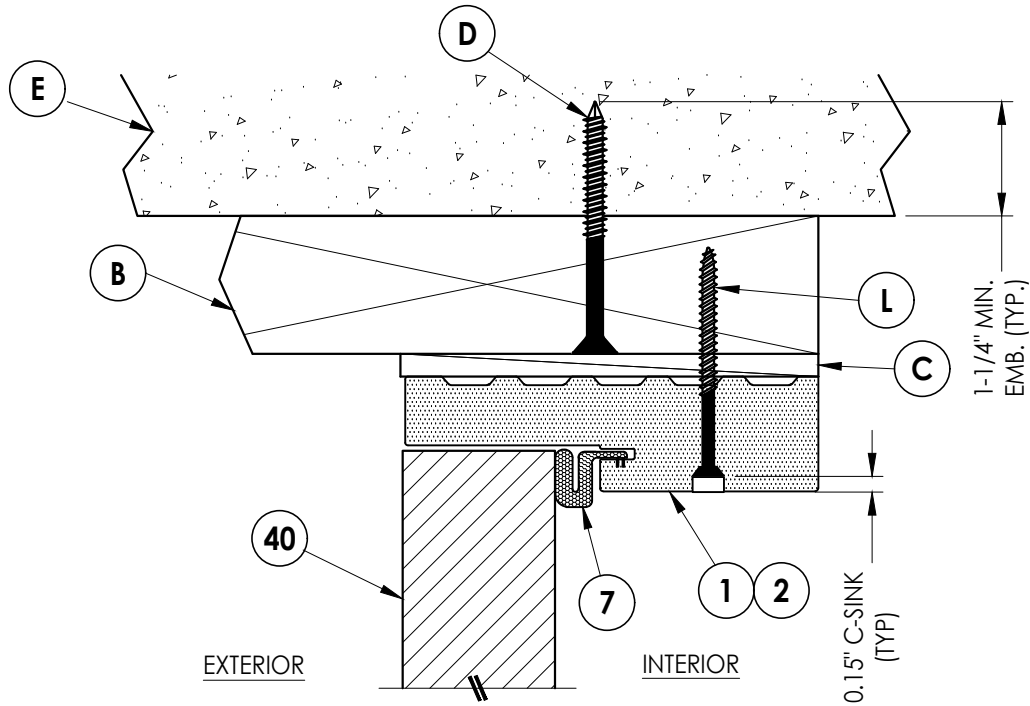
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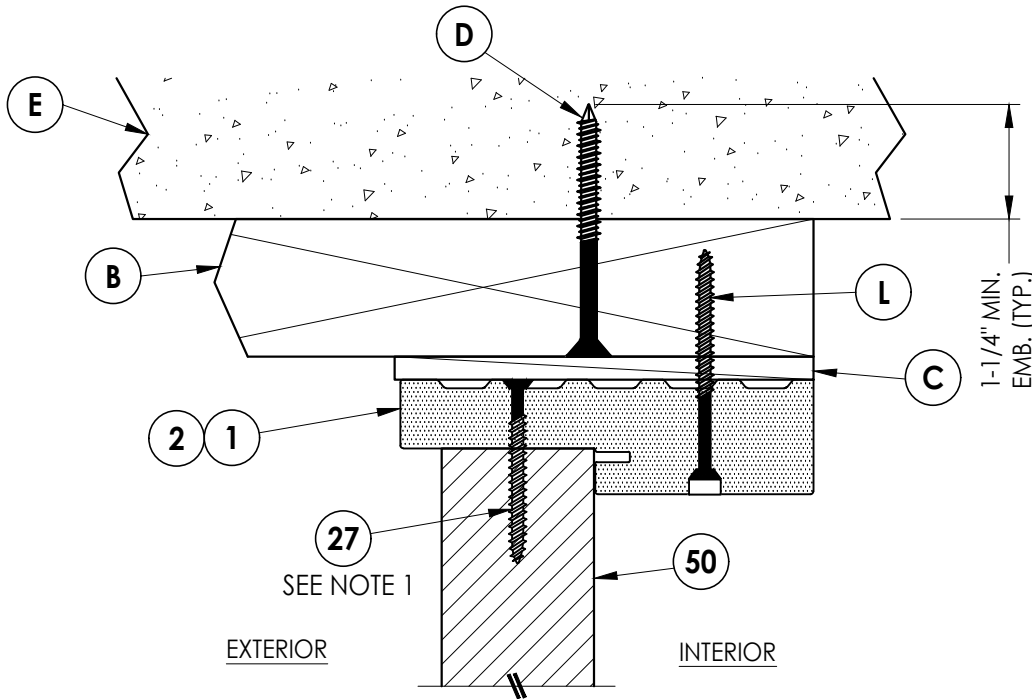


1
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

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



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

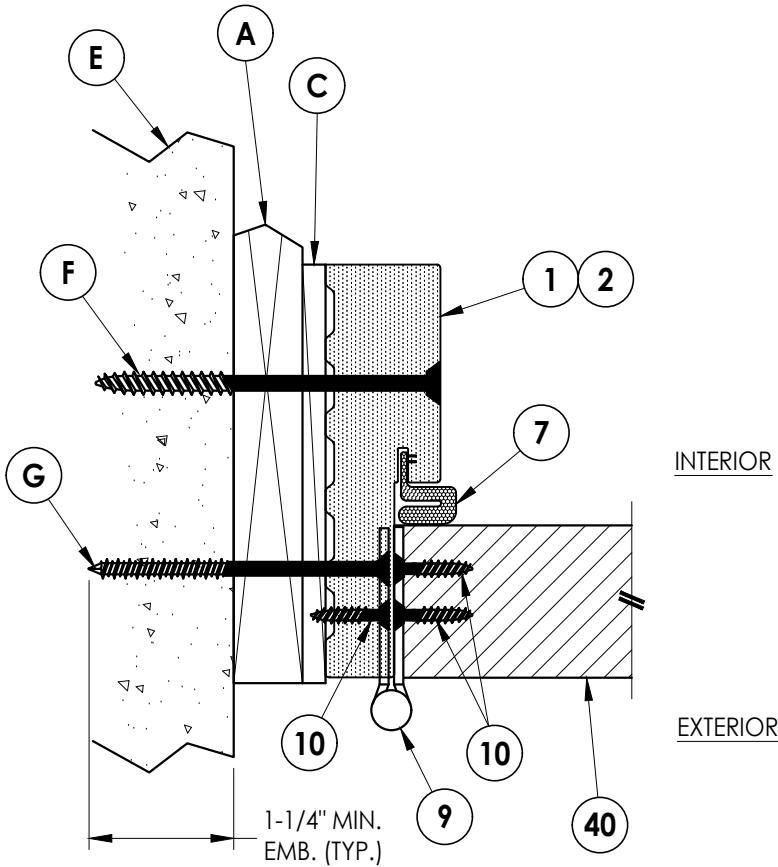


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Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

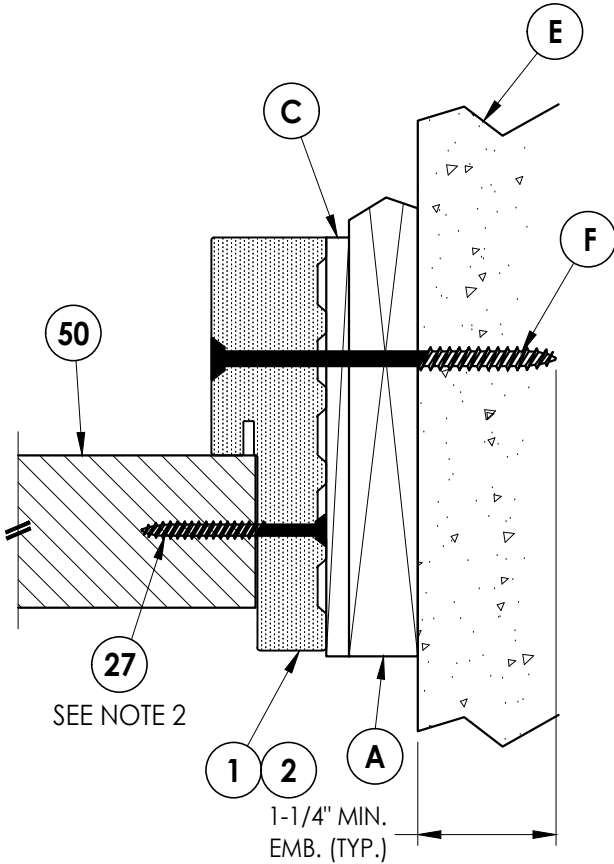
NOTES:
1. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM EACH END (2 TOTAL).
2. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH END PLUS
5 MORE EQUALLY SPACED (7 TOTAL).

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 (2X BUCK)	
		LFS	BY
		ADD ALTERNATE JAMBS, ASTRAGAL, GLAZING DETAIL, & THRESHOLDS	
1	1/20/25	NO.	DATE
REVISIONS			
DATE: 5/14/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46121.11			
SHEET 6 OF 12			

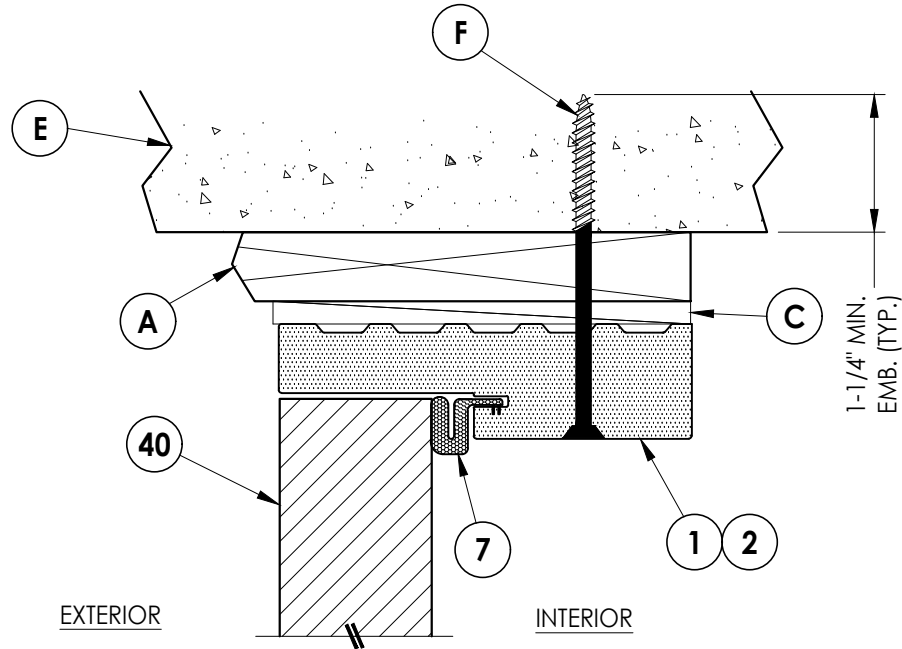
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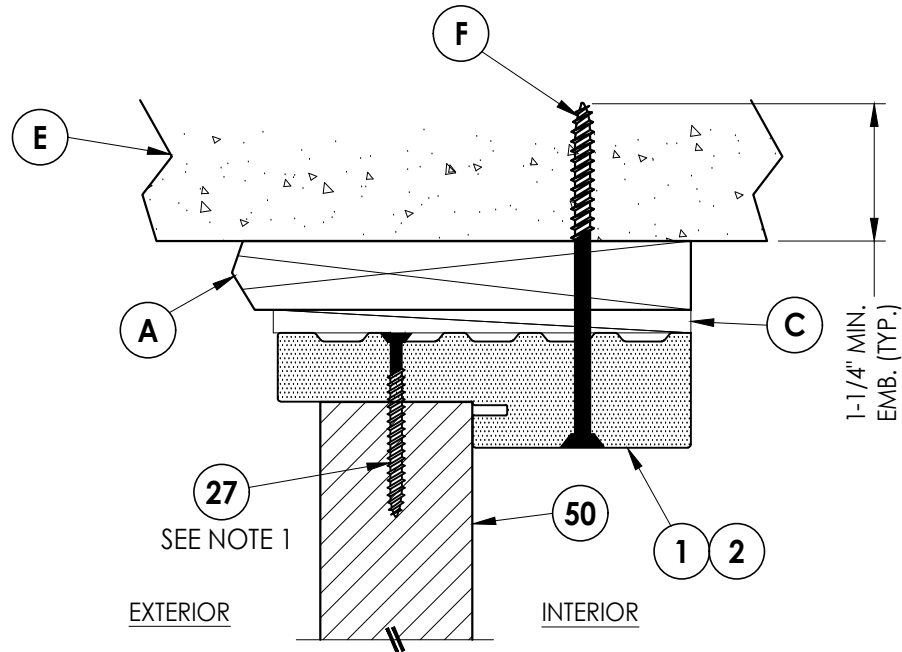
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7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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

NOTES:

1. SIDELITE ASSEMBLY SCREWS LOCATED 6" 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 (1X BUCK)

NO.	DATE	BY	REVISIONS
1	1/20/25	LFS	ADD ALTERNATE JAMBS, ASTRAGAL, GLAZING DETAIL, & THRESHOLDS

DATE: 5/14/24

SCALE: N.T.S.

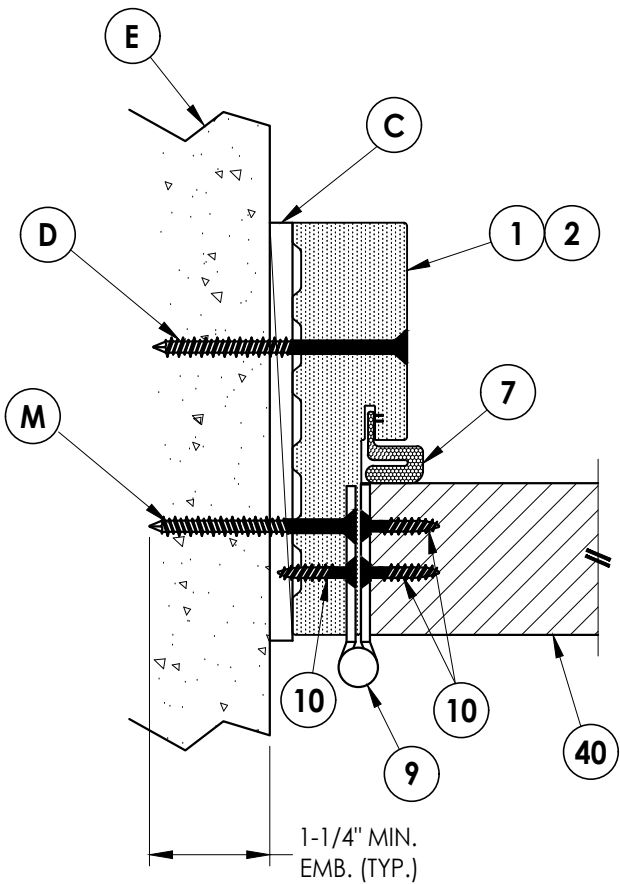
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CHK. BY: RW

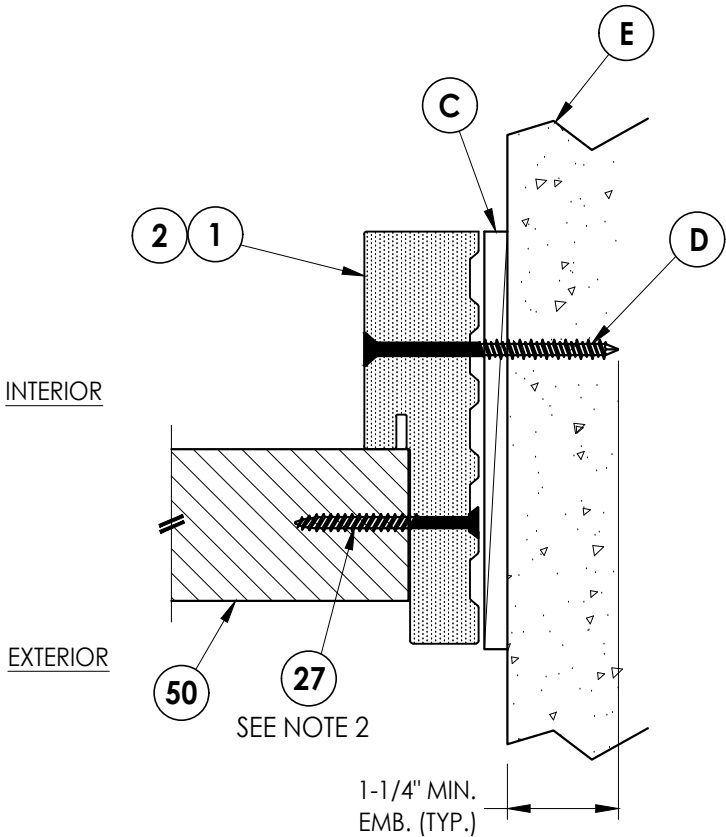
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FL-46121.11

SHEET 7 OF 12

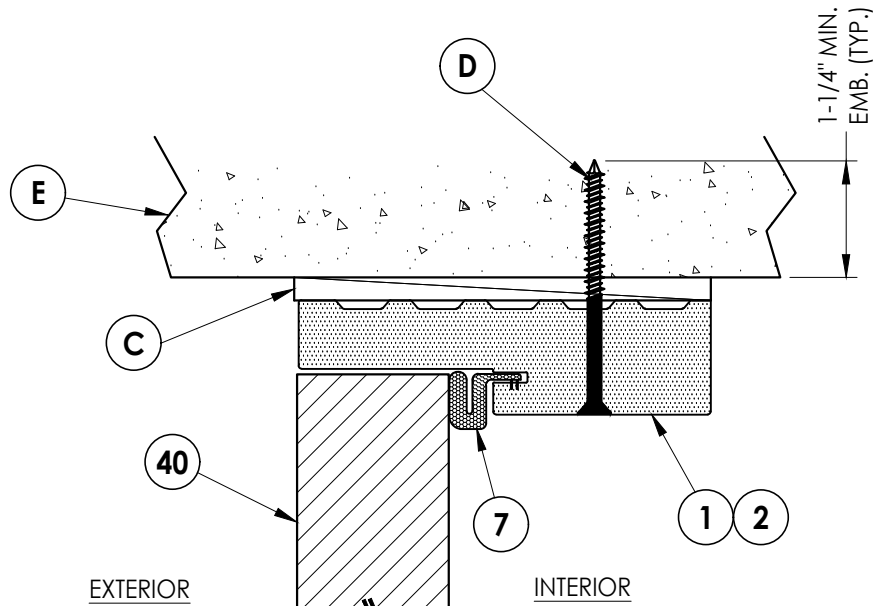
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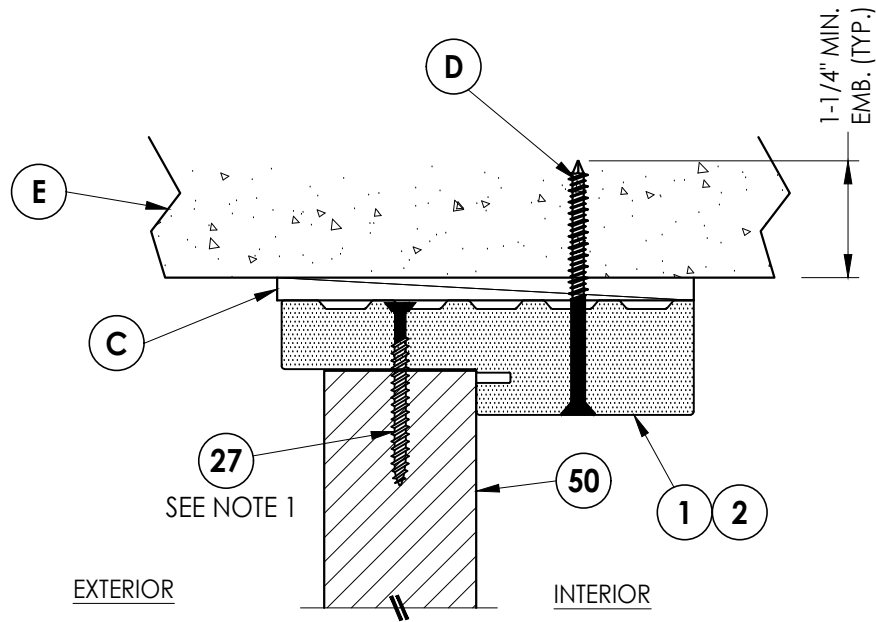
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



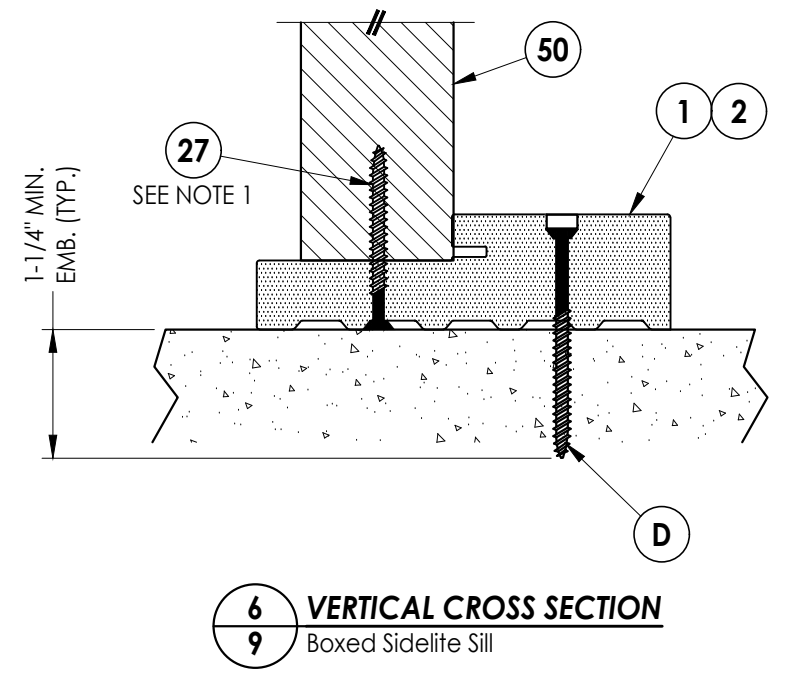
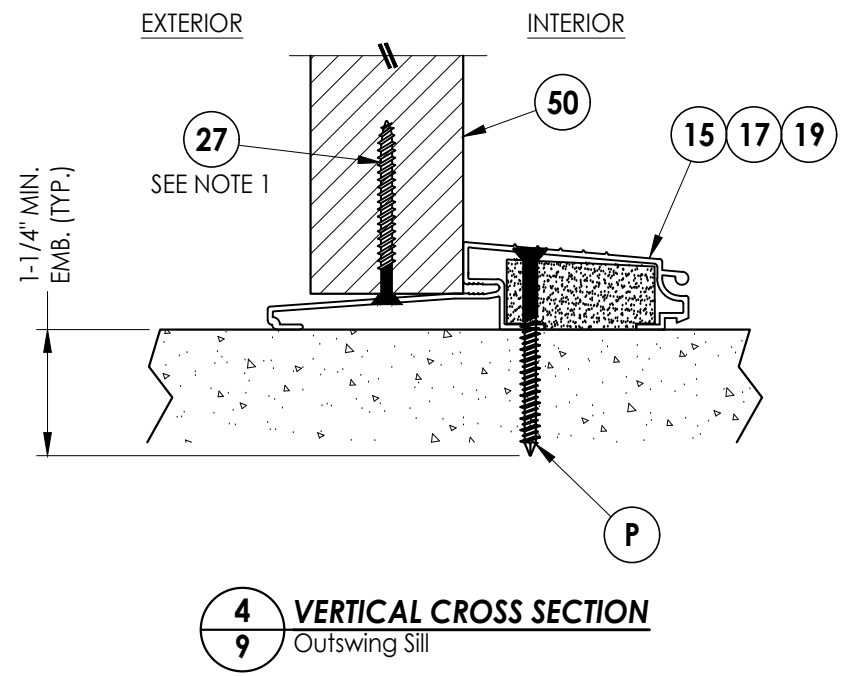
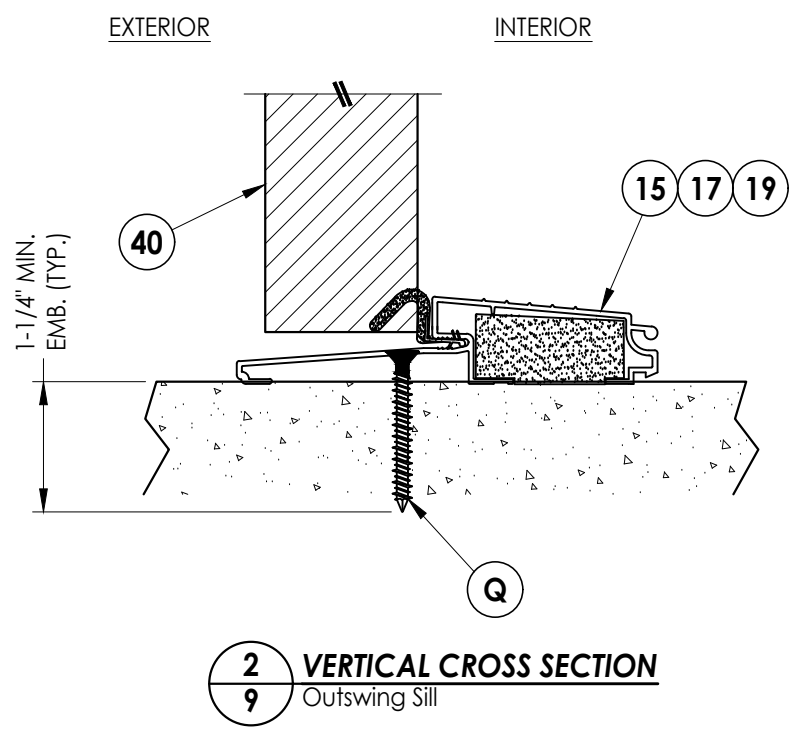
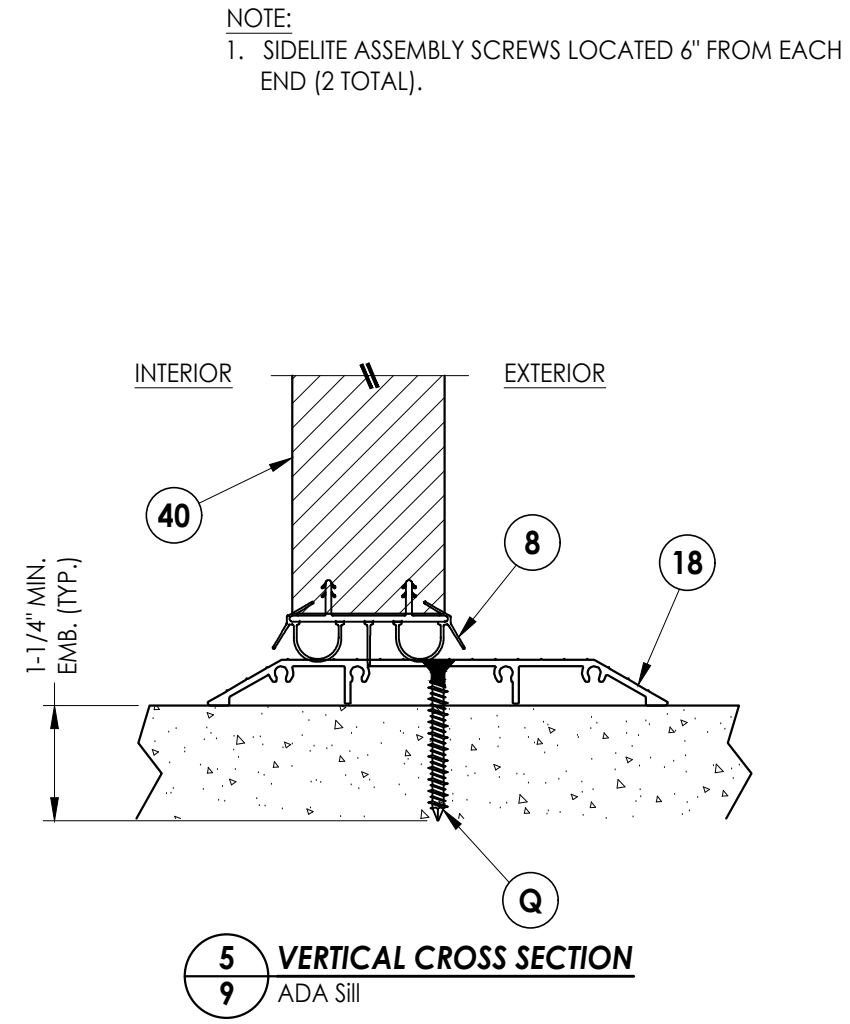
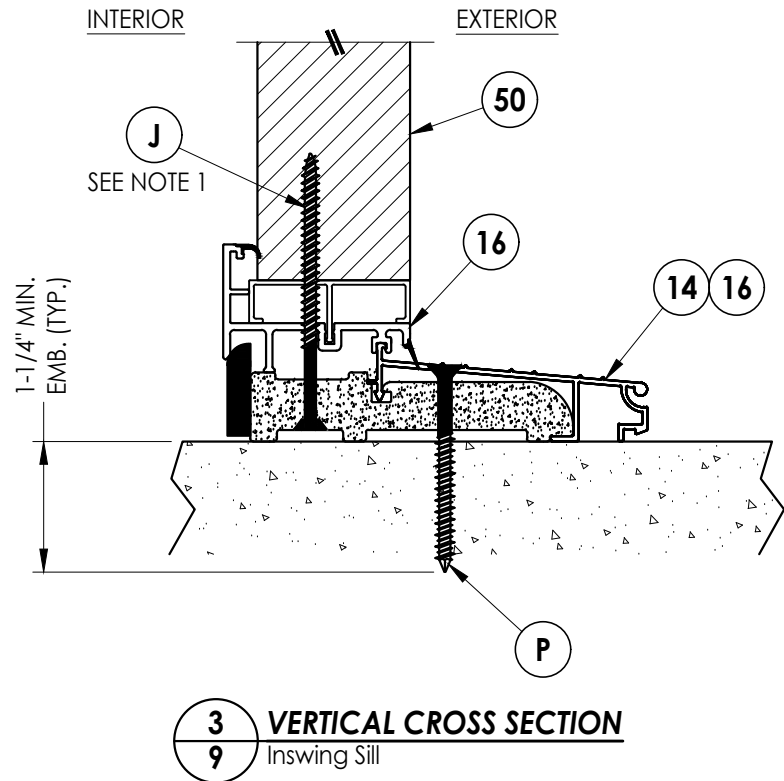
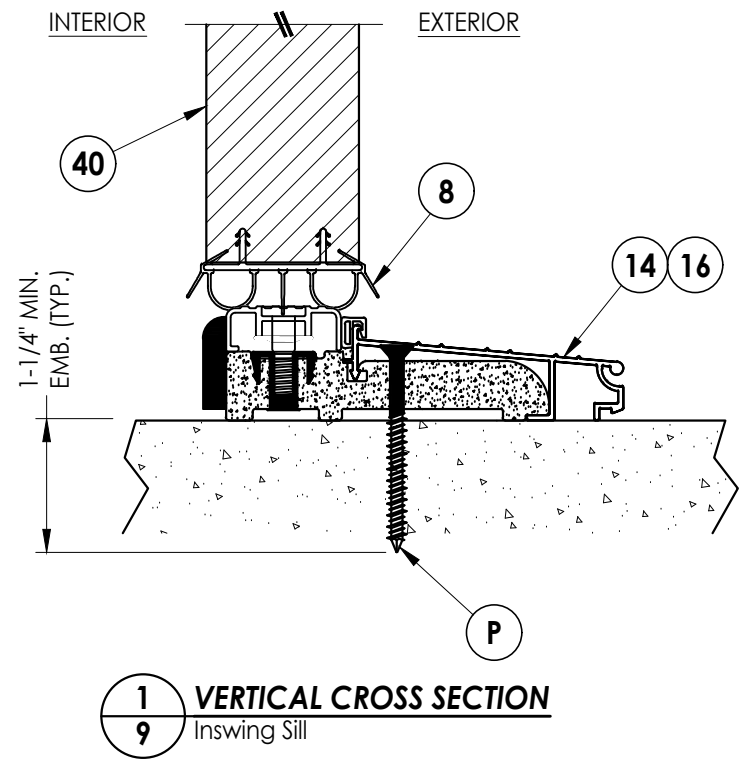
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8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

NOTES:

1. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM EACH END (2 TOTAL).
2. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH END PLUS 5 MORE EQUALLY SPACED (7 TOTAL).

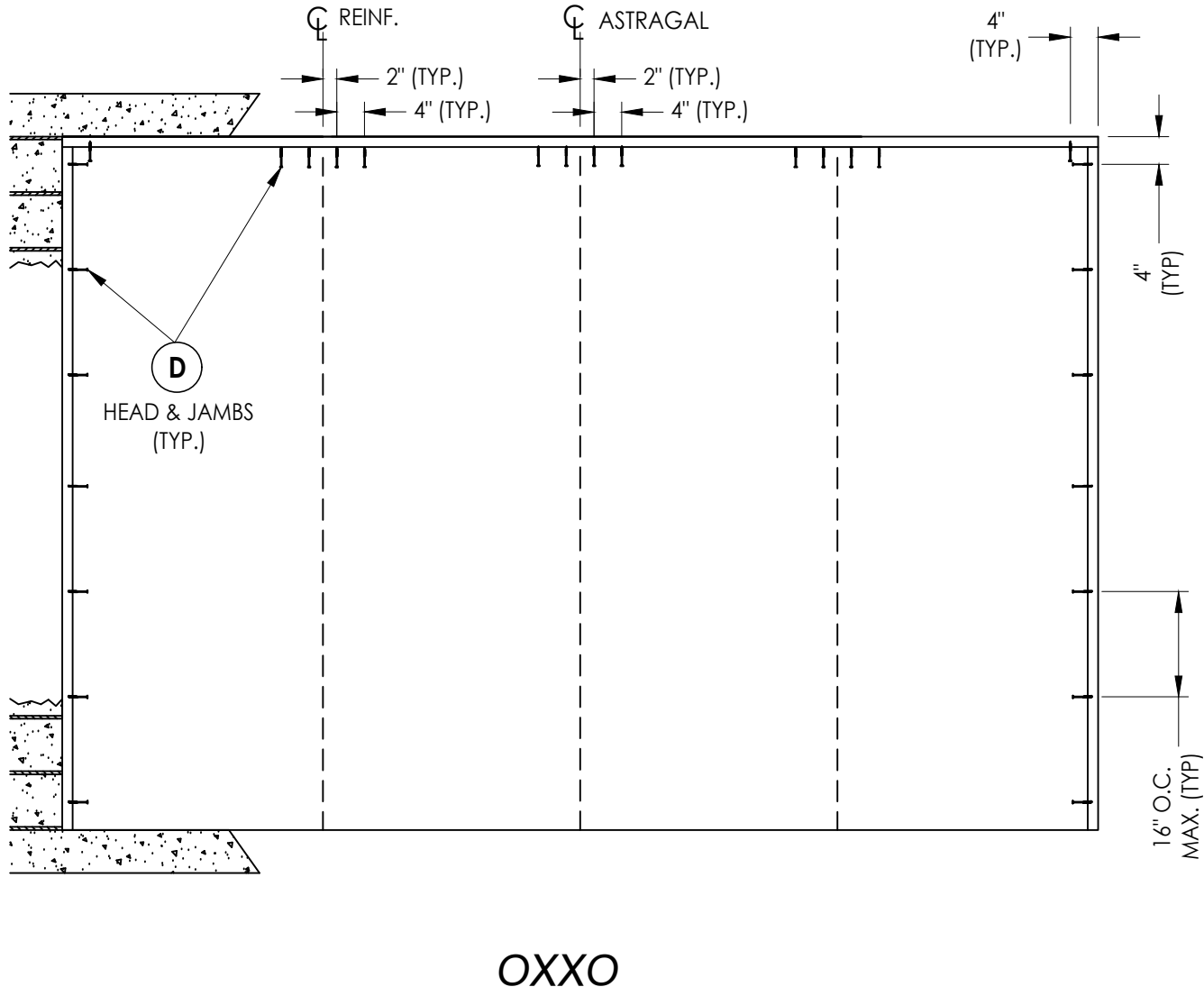
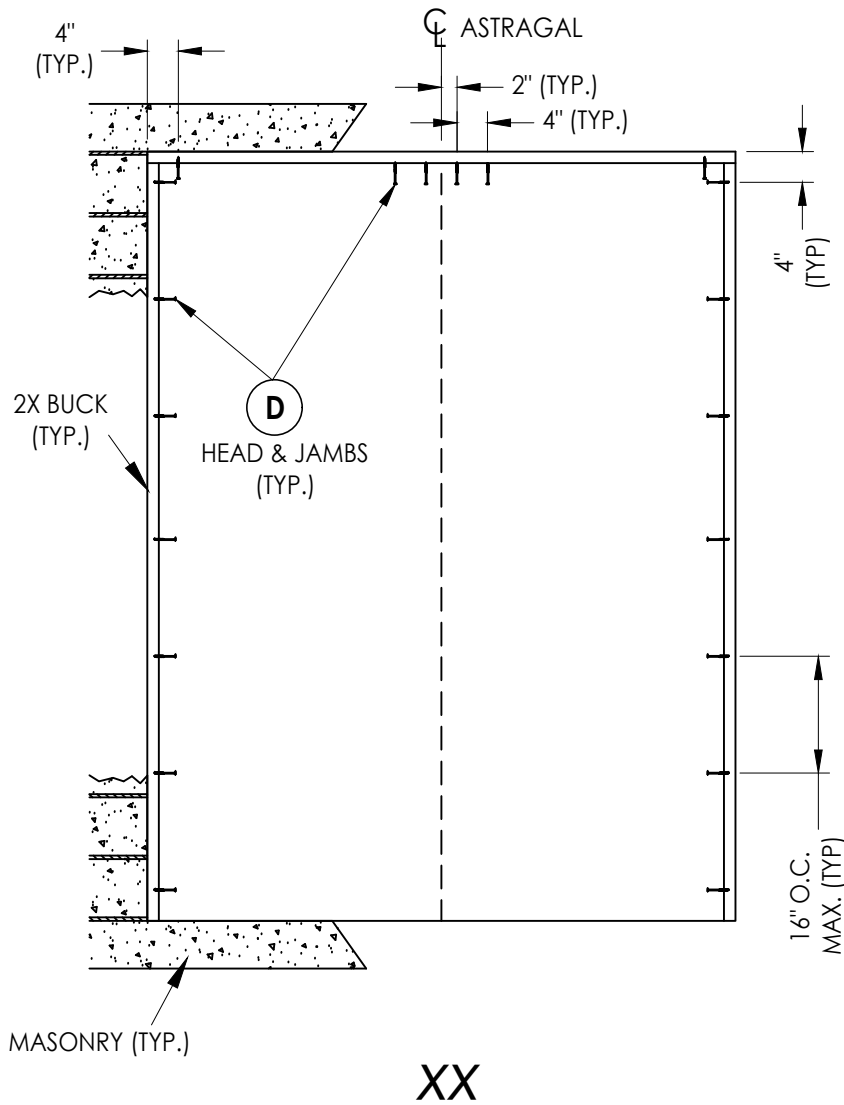
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
		LFS	BY
		ADD ALTERNATE JAMBS, ASTRAGAL, GLAZING DETAIL, & THRESHOLDS	
1	1/20/25	NO.	DATE
REVISIONS			
DATE: 5/14/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46121.11			
SHEET 8 OF 12			

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PRODUCT:	ODL FIBERGLASS DOOR	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	
		LFS	BY
		ADD ALTERNATE JAMBS, ASTRAGAL, GLAZING DETAIL, & THRESHOLDS	
		NO.	DATE
REVISIONS			
DATE: 5/14/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46121.11			
SHEET 9 OF 12			

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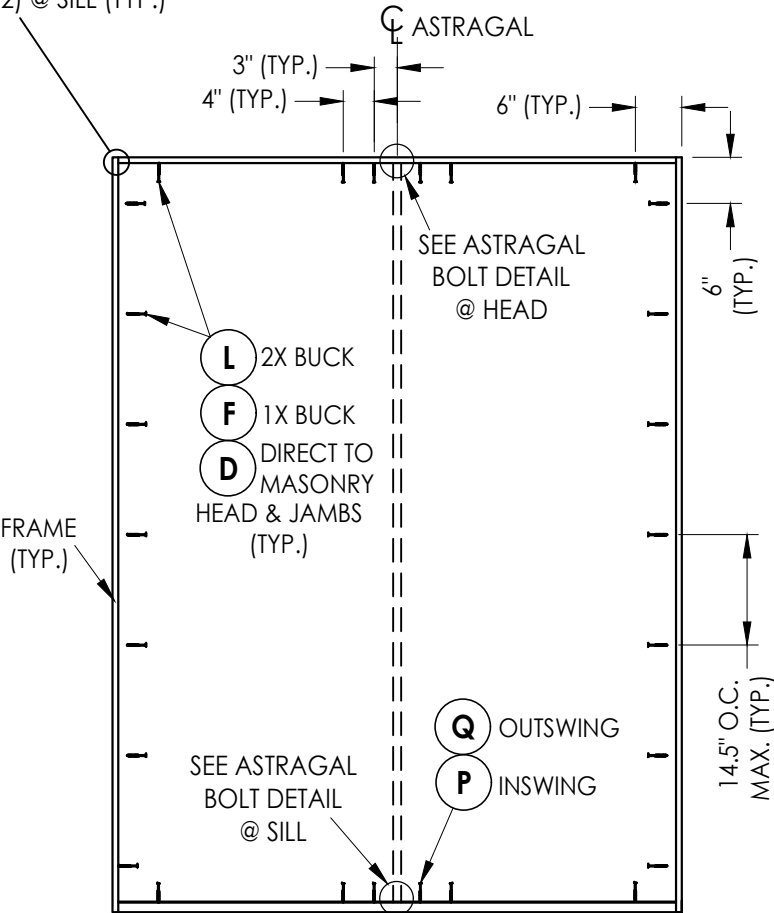


2X BUCK ANCHORING

DATE: 5/14/24				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-46121.11											
SHEET 10 OF 12											

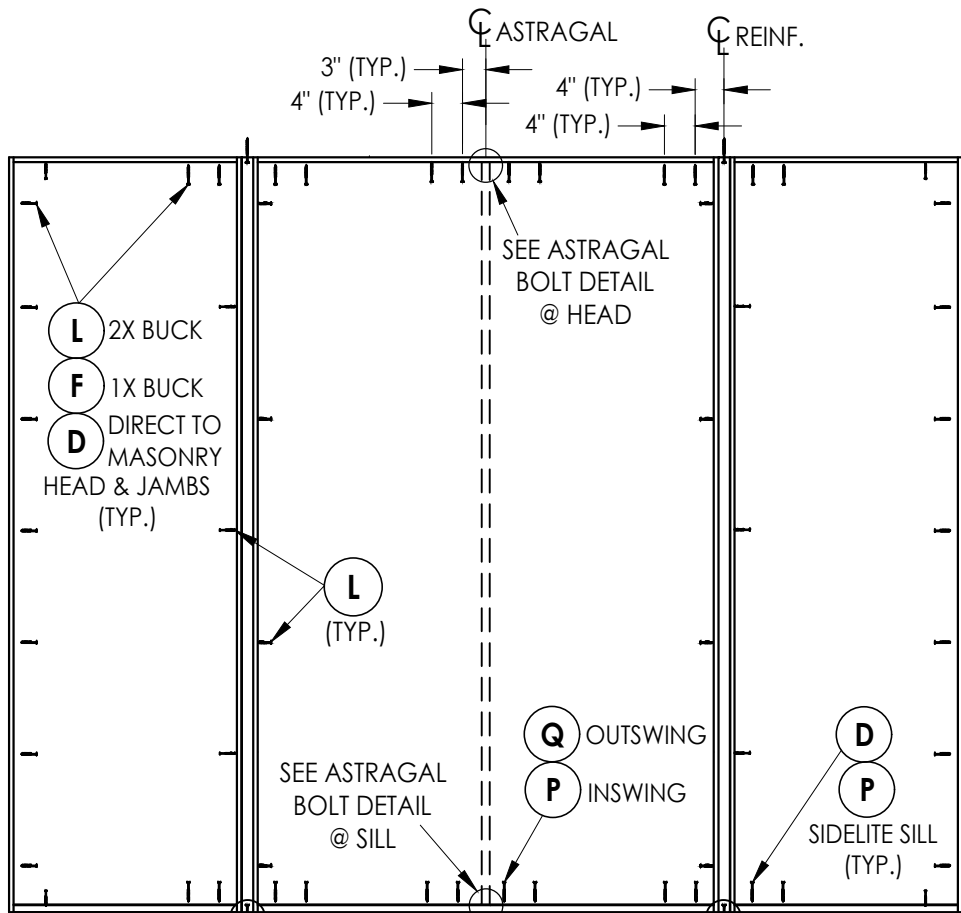
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FRAME CORNERS ATTACHED w/ #9 X 2-1/2"
DEEP THREAD WOOD SCREWS: (3) @ HEAD
& (2) @ SILL (TYP.)

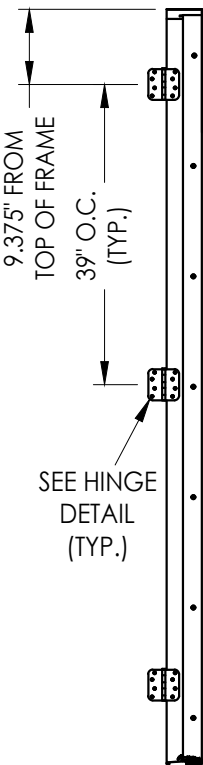


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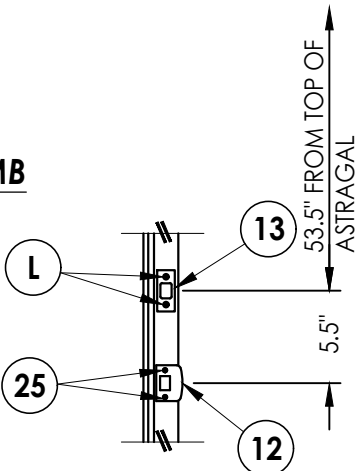
FRAME ANCHORING



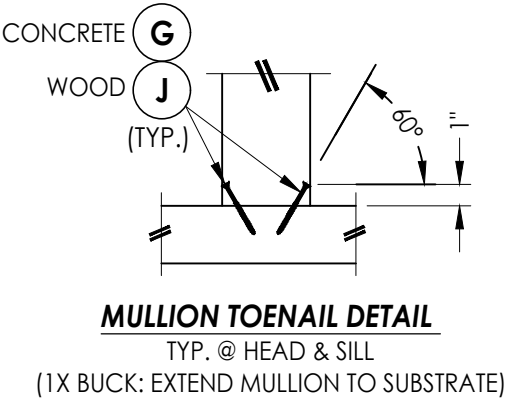
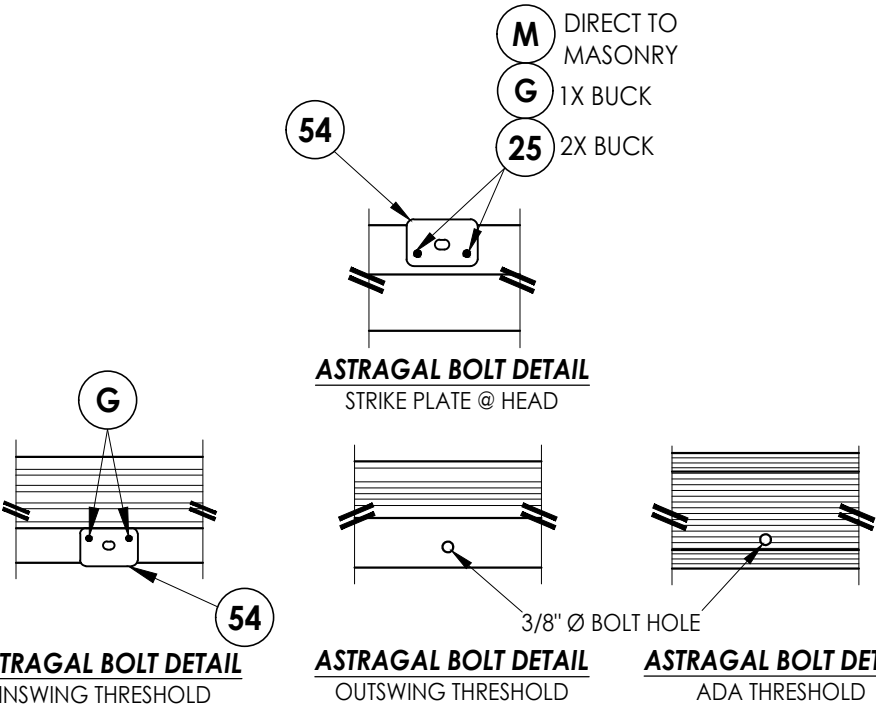
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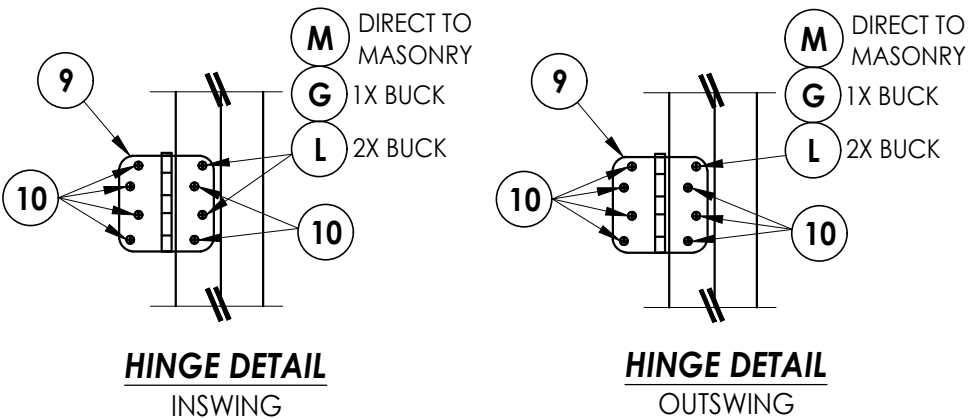
HINGE JAMB



LATCH & DEADBOLT STRIKE PLATE DETAILS



HARDWARE DETAILS



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	
		LFS	BY
		ADD ALTERNATE JAMBS, ASTRAGAL, GLAZING DETAIL, & THRESHOLDS	
		NO.	DATE
		1	1/20/25
DATE: 5/14/24		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-46121.11		SHEET 11 OF 12	

Z:\2023 FBC Drawings\ODL, Inc\FL-46121\FL-46121.11.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 (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
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

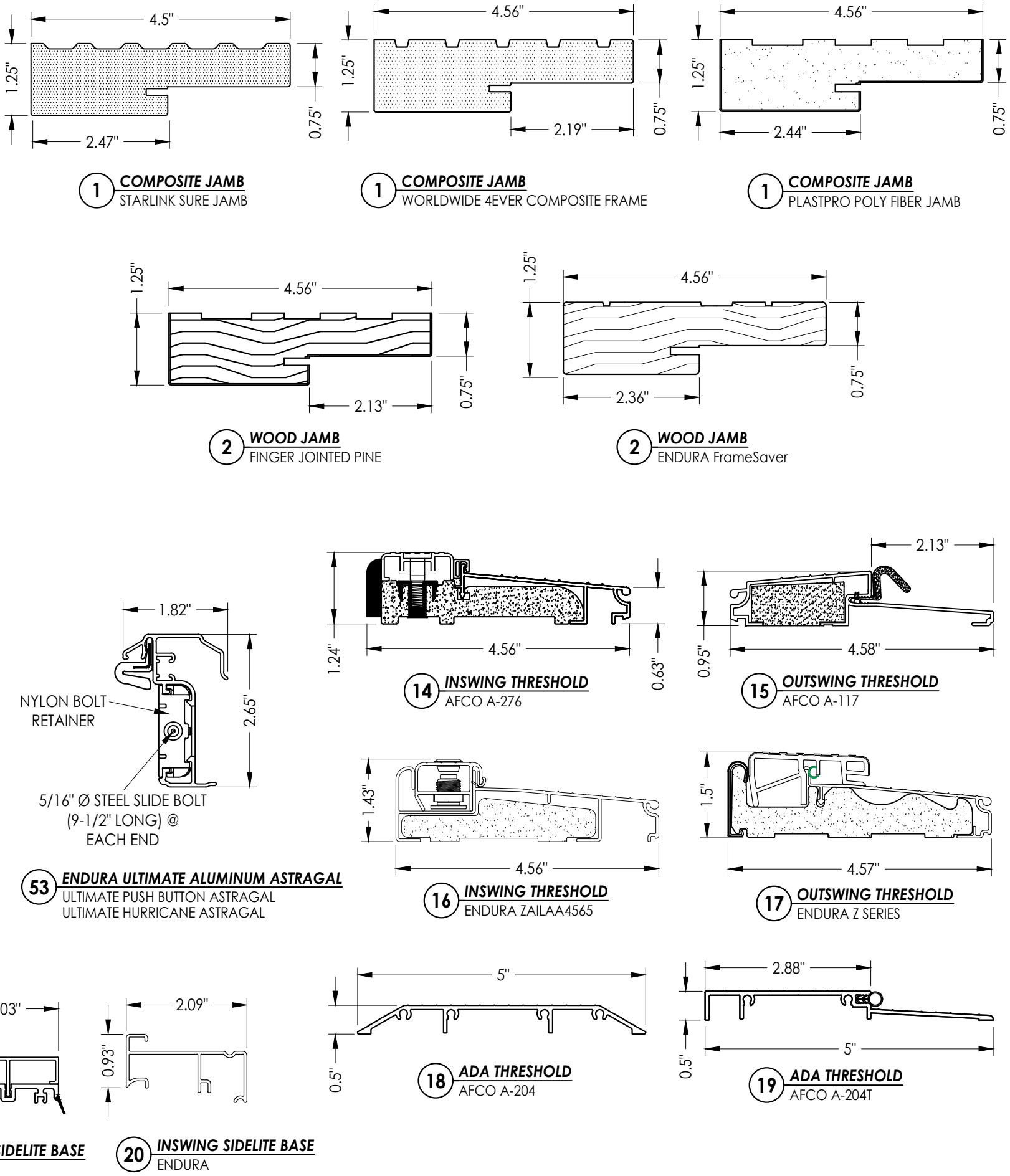
CONCRETE ANCHOR NOTES:

- 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.



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	1/20/25	ADD ALTERNATE JAMBS, ASTRAGAL, GLAZING DETAIL, & THRESHOLDS

DATE: 5/14/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46121.11

SHEET 12 OF 12