

Z:\2023 FBC Drawings\ODL, Inc\FL-46116\FL-46116.4.dwg



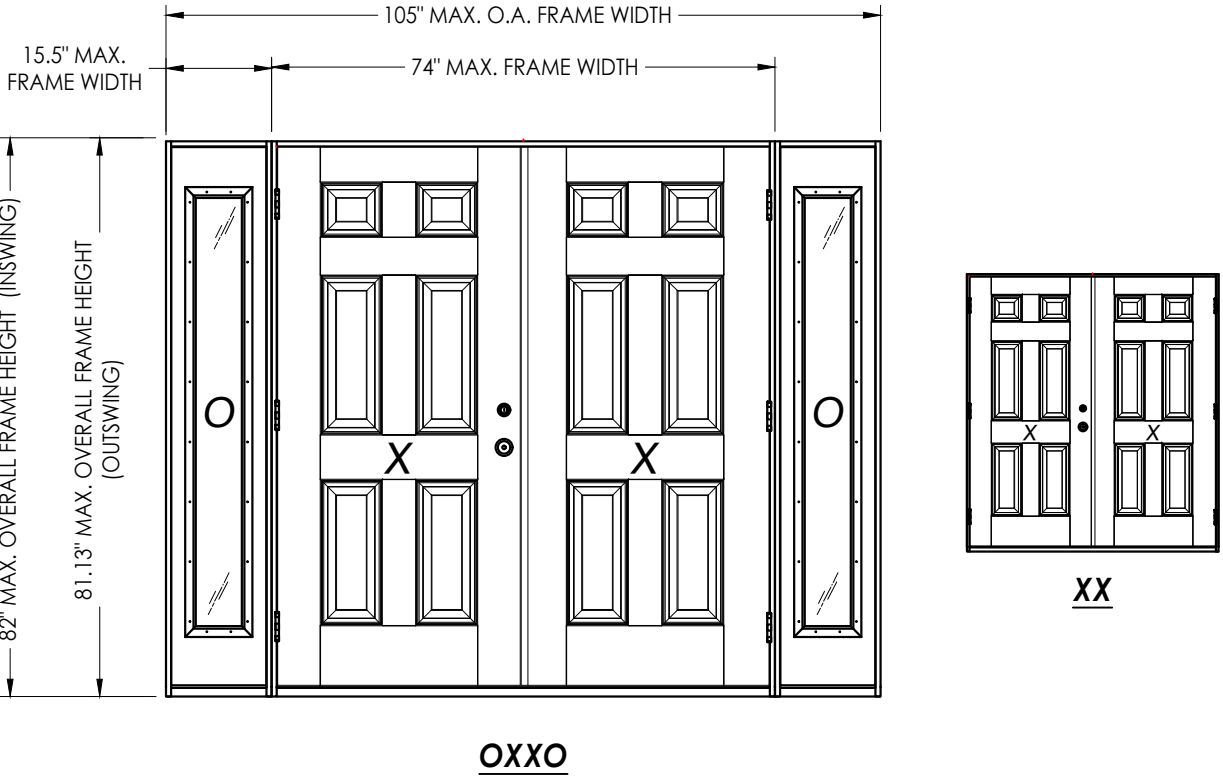
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

OPAQUE FIBERGLASS DOOR
DOUBLE w/ or w/out SIDELITES
INSWING/OUTSWING
"NON-IMPACT"

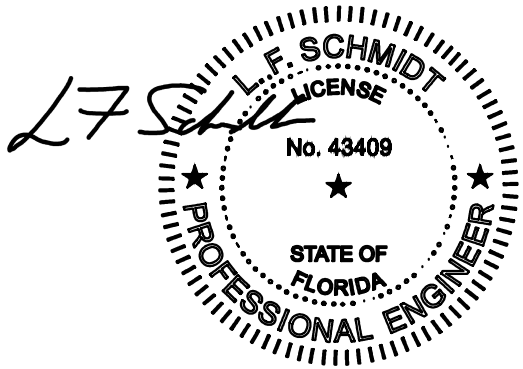
GENERAL NOTES

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.

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SHEET #	DESCRIPTION	SHEET #	
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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



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	+45.0	-50.0	+55.0	-55.0
OXXO	105.0" x 82.0"	+45.0	-50.0	+55.0	-55.0



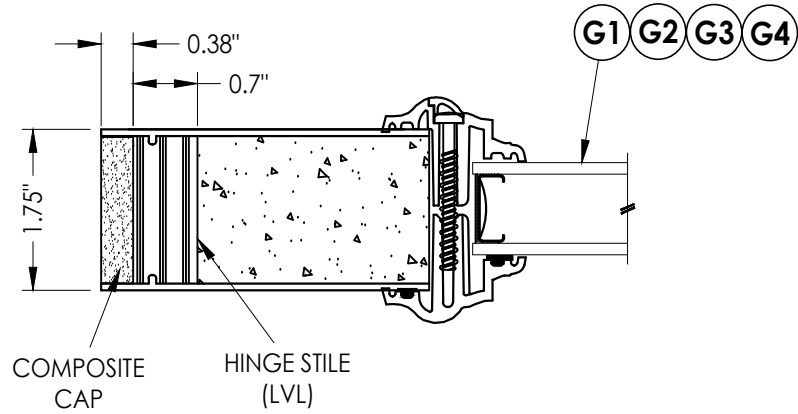
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

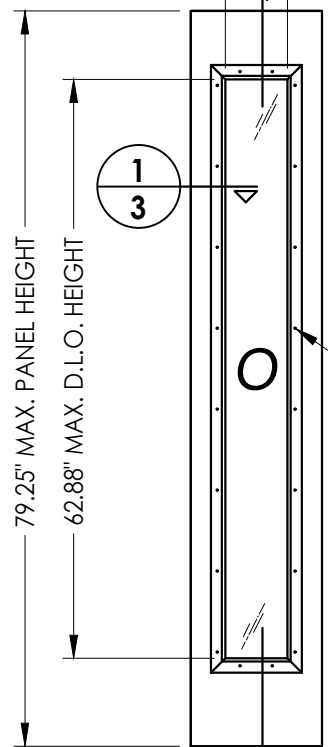
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		ODL FIBERGLASS DOOR	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS	
1	11/27/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	
NO.	DATE		BY
REVISIONS			
DATE: 2/15/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46116.4			
SHEET 1 OF 12			



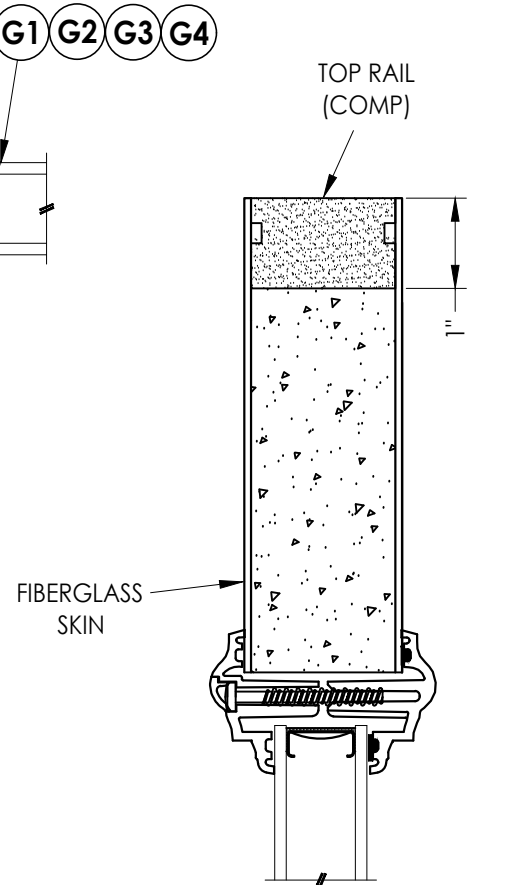
1
3 **HORIZONTAL CROSS SECTION**

13.88" MAX. PANEL WIDTH
6.75" MAX. D.L.O. WIDTH



#8 X 1-1/2" PPH SMS
(HI-LO THREAD)
(20 TOTAL)

50 **FIBERGLASS SIDELITE PANEL**
ODL



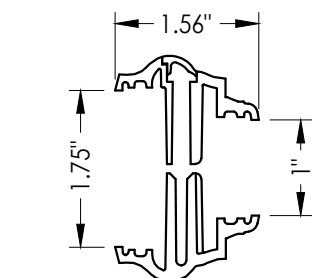
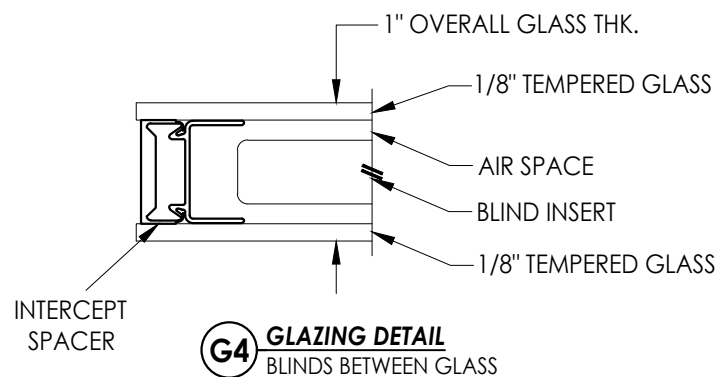
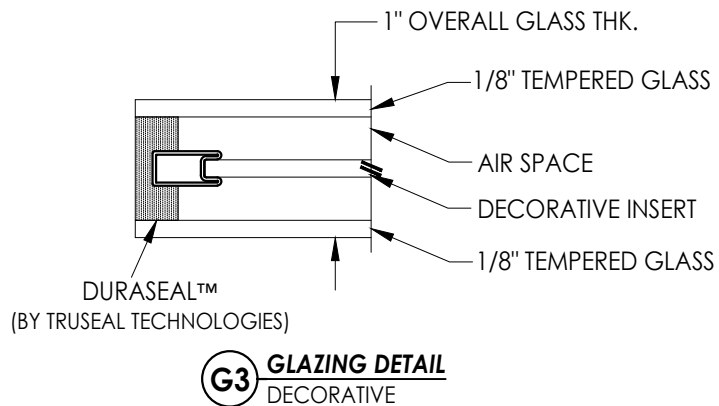
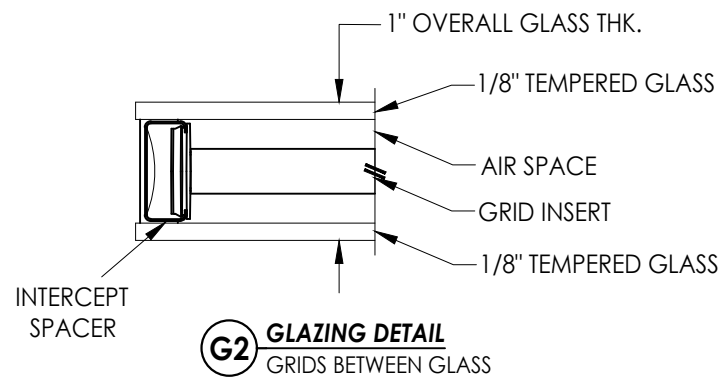
G1

FOAM CORE

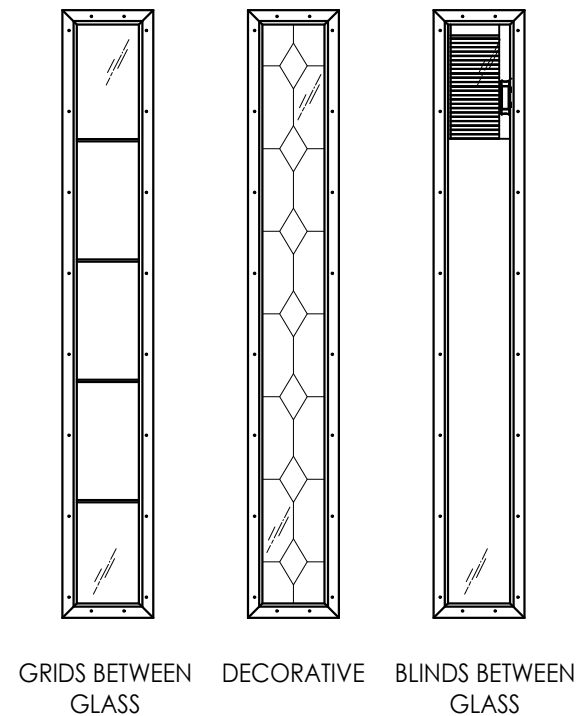
BOTTOM RAIL (COMP)

2
3 **VERTICAL CROSS SECTION**

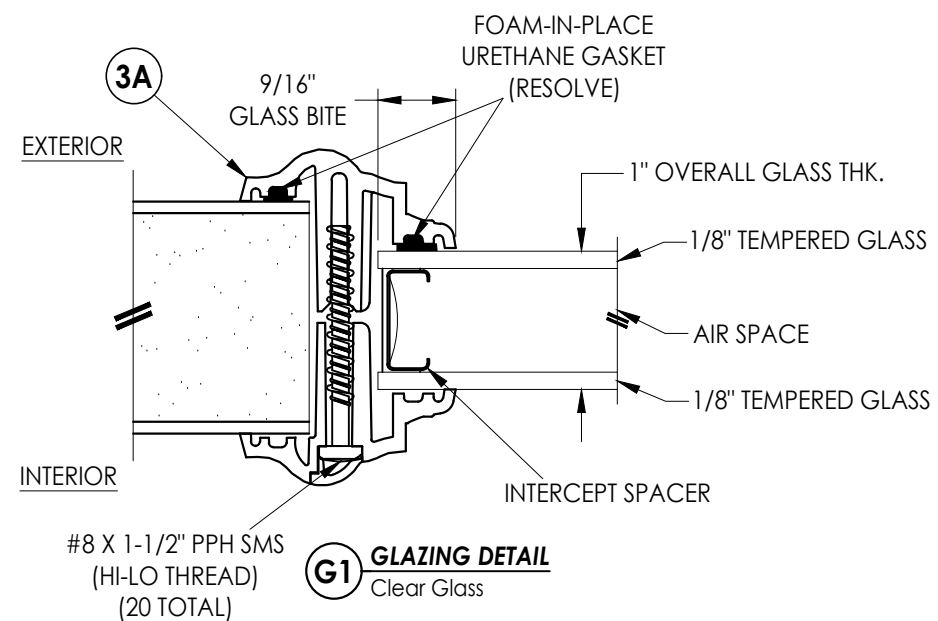
FIBERGLASS SKIN: 0.070" MIN. THK.
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)



3A **ODL "EVOLVE" LITE FRAME**
HP POLYPROPYLENE



ALTERNATE GLAZING DETAILS



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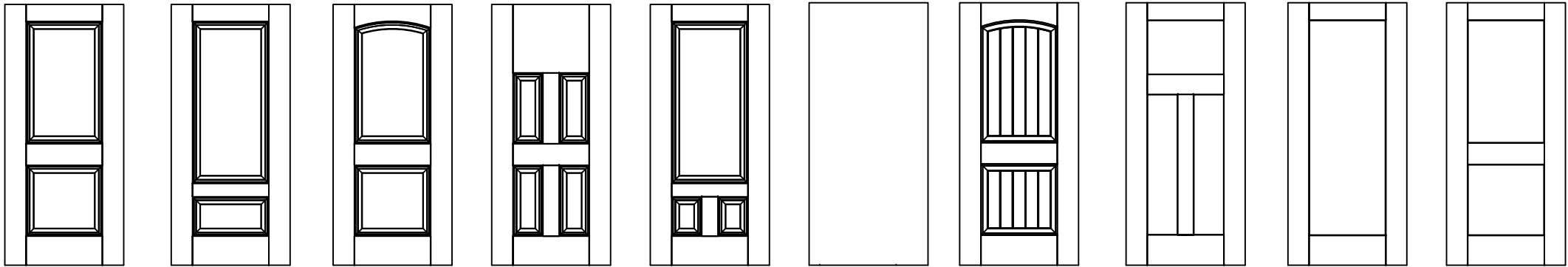
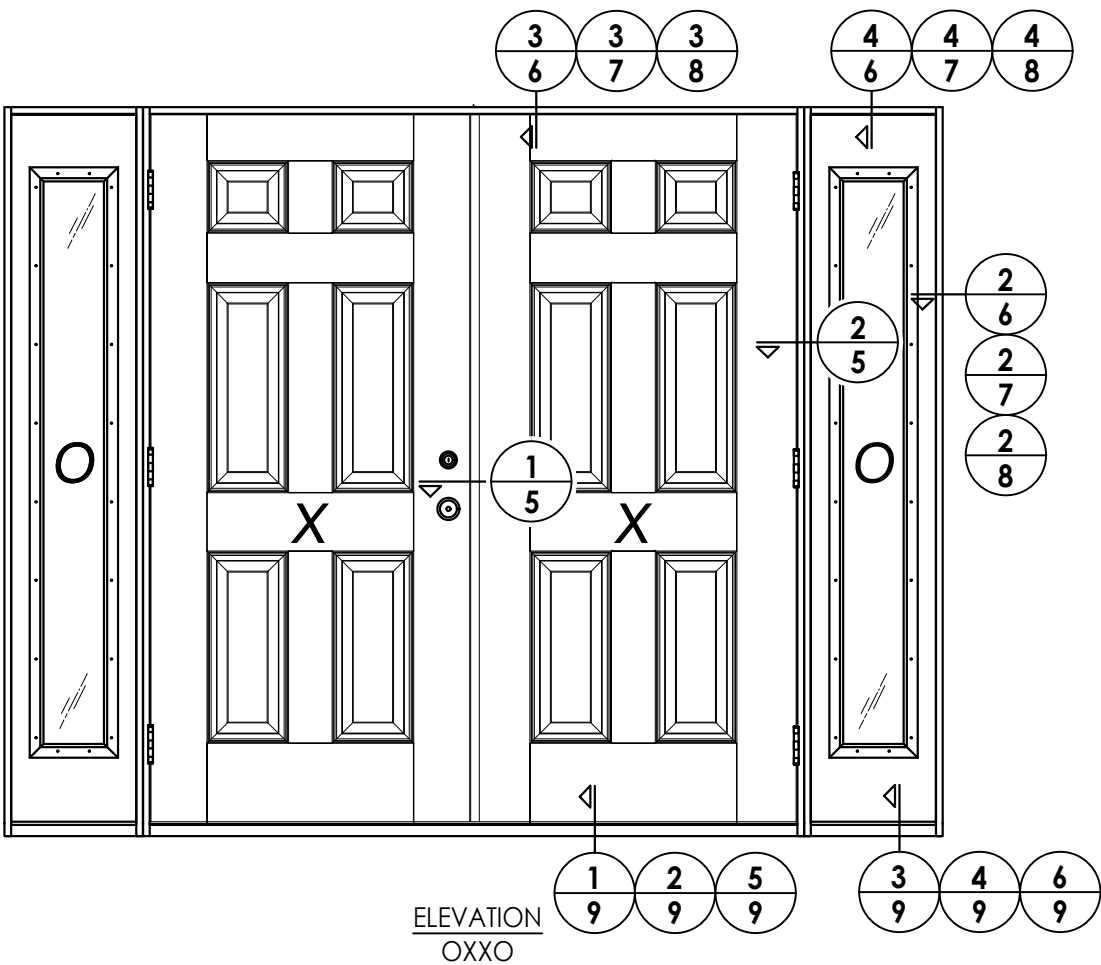
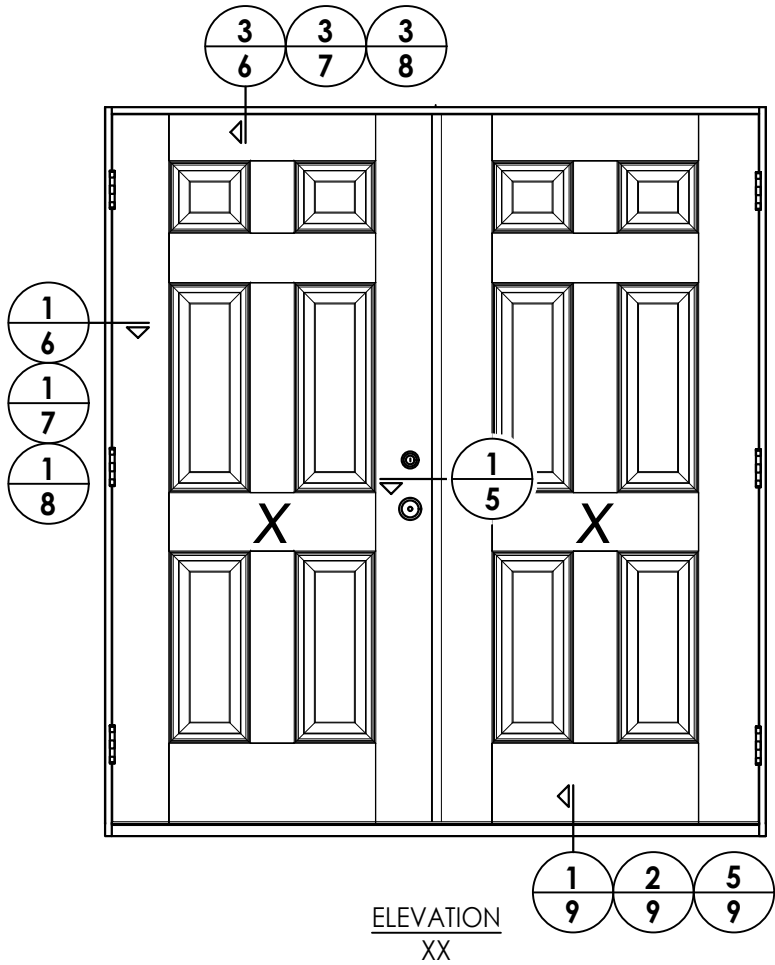
PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL & LITE FRAME
GLAZING DETAILS

NO.	DATE	BY	REVISIONS
1	11/27/24	LFS	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS

DATE: 2/15/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46116.4
SHEET 3 OF 12

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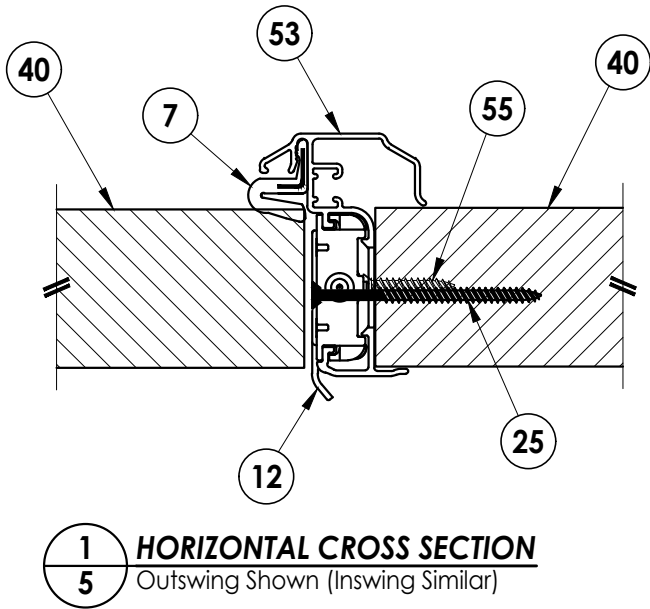


ALTERNATE DOOR PANELS

DATE: 2/15/24		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: LFS		RW	
CHK. BY: RW			
DRAWING NO.: FL-46116.4			
SHEET 4 OF 12			
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: ELEVATIONS	
11/27/24 ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS		LFS	
NO. DATE		BY	
REVISIONS			

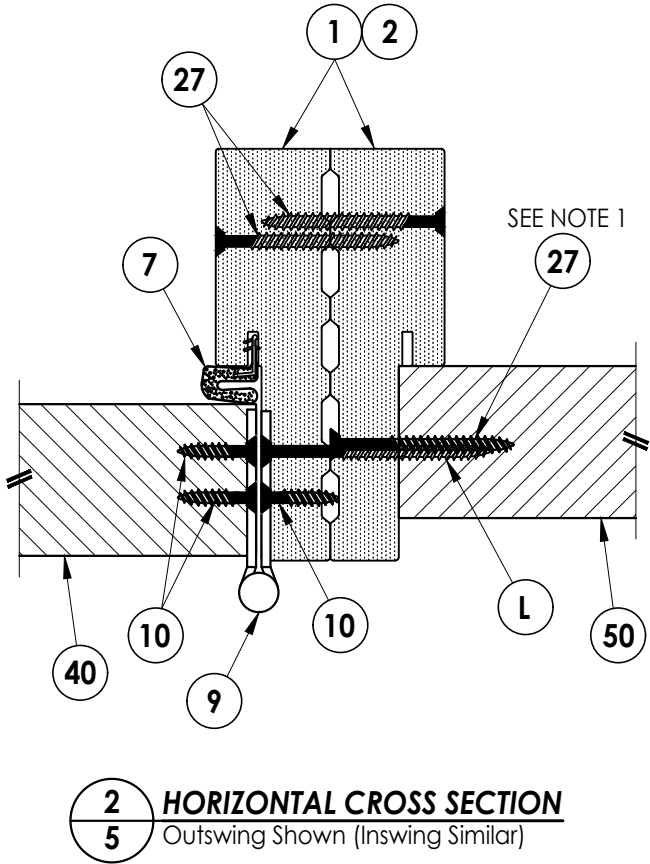
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Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



INTERIOR

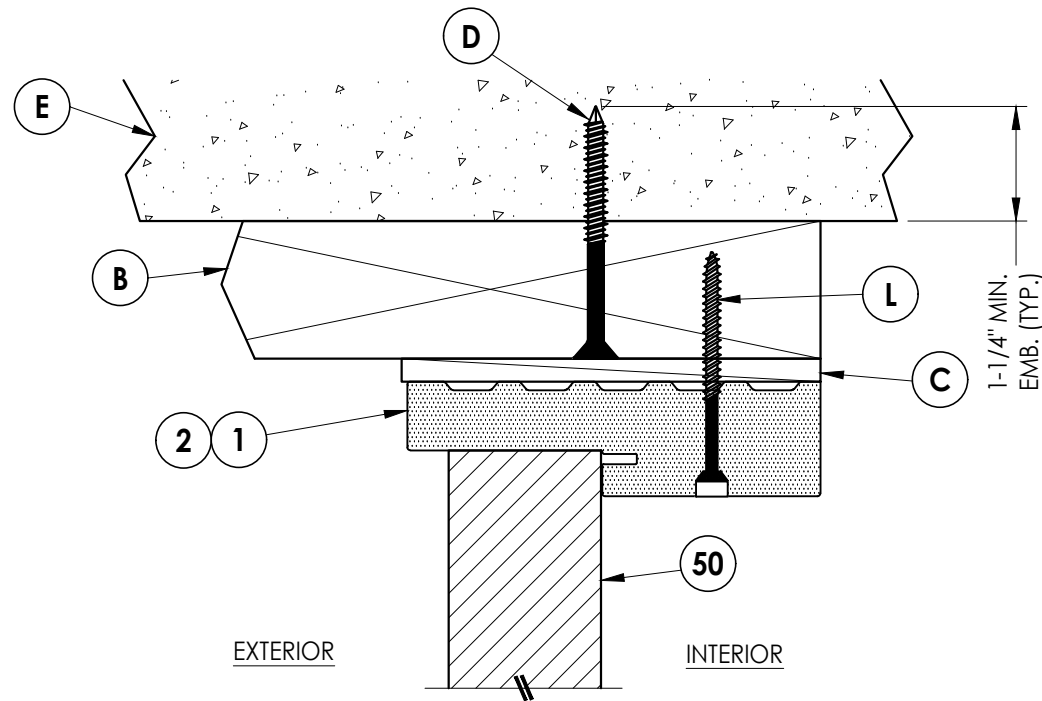
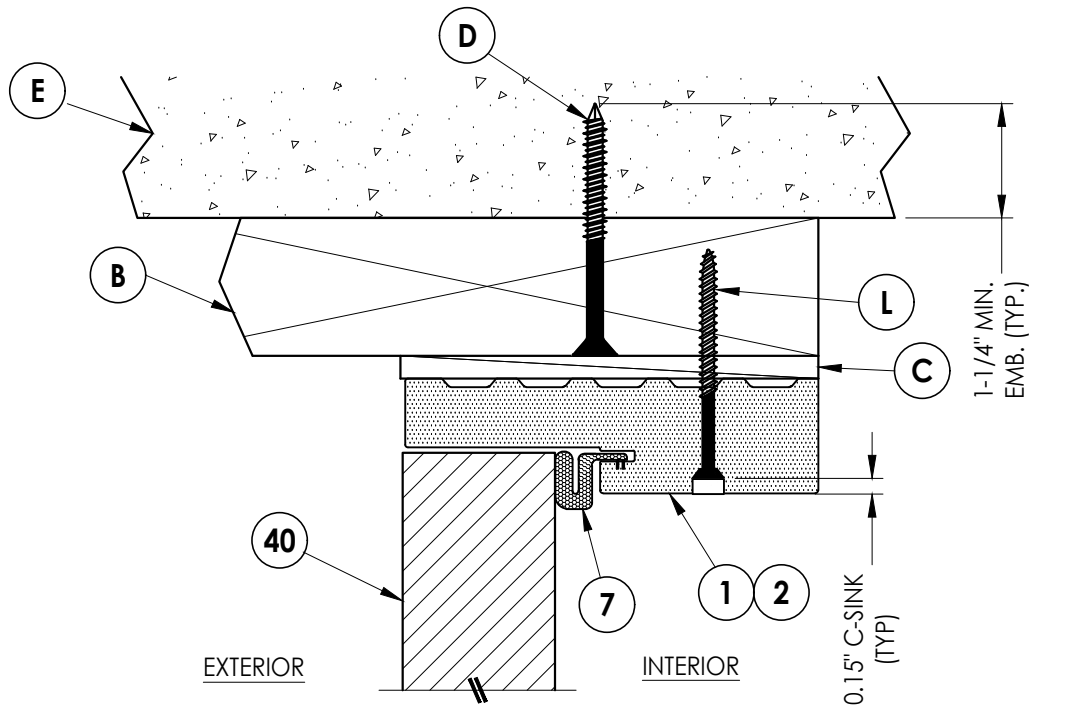
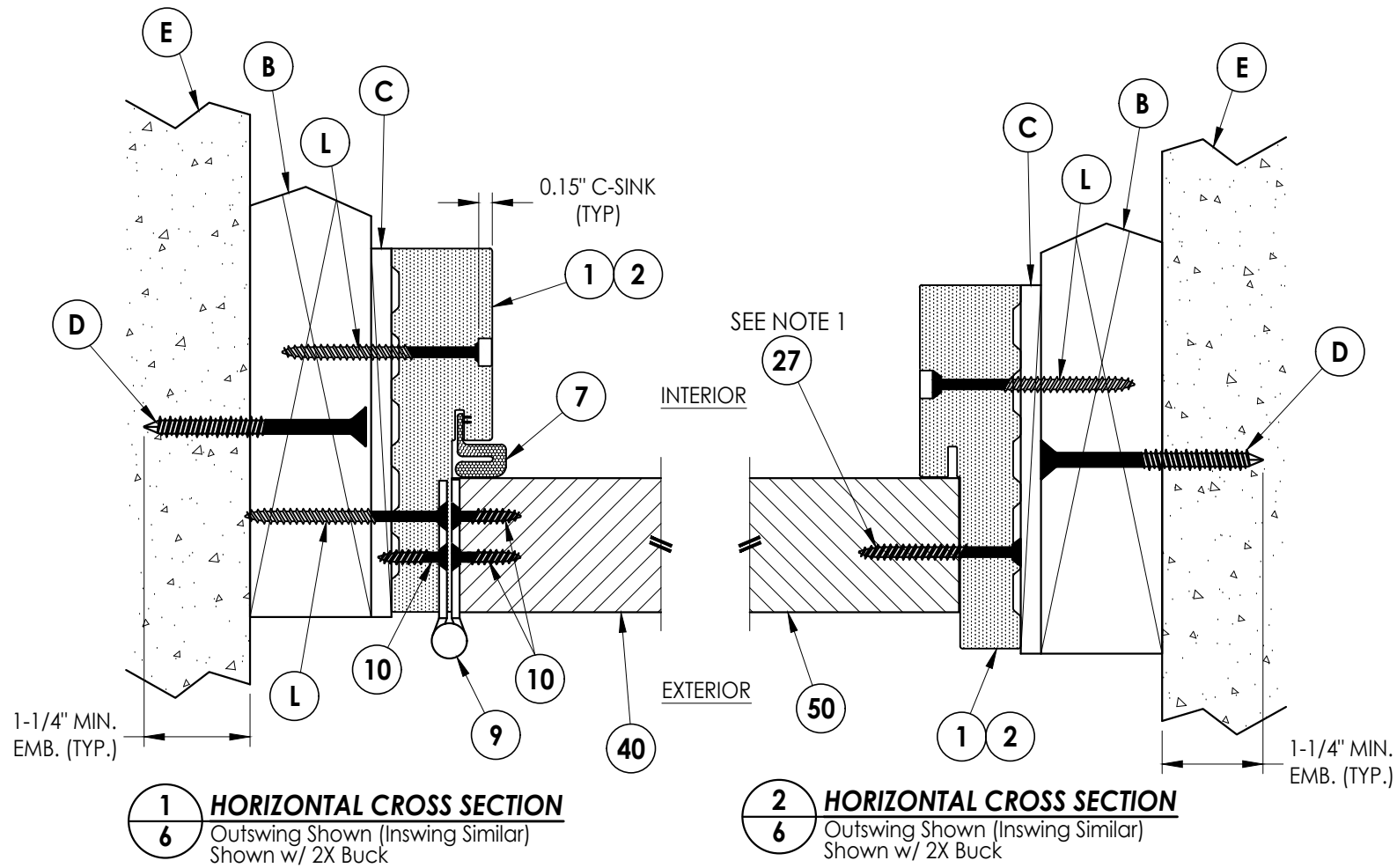
EXTERIOR



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					
				LFS		BY	
				ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS			
				NO.	DATE		
DATE: 2/15/24				REVISIONS			
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46116.4							
SHEET 5 OF 12							

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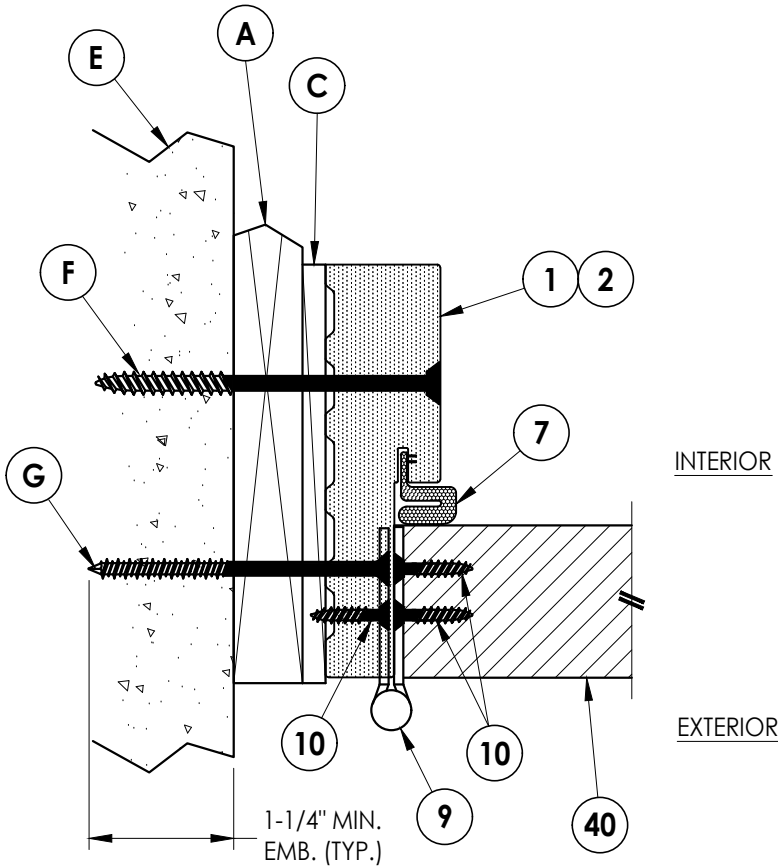
Note:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



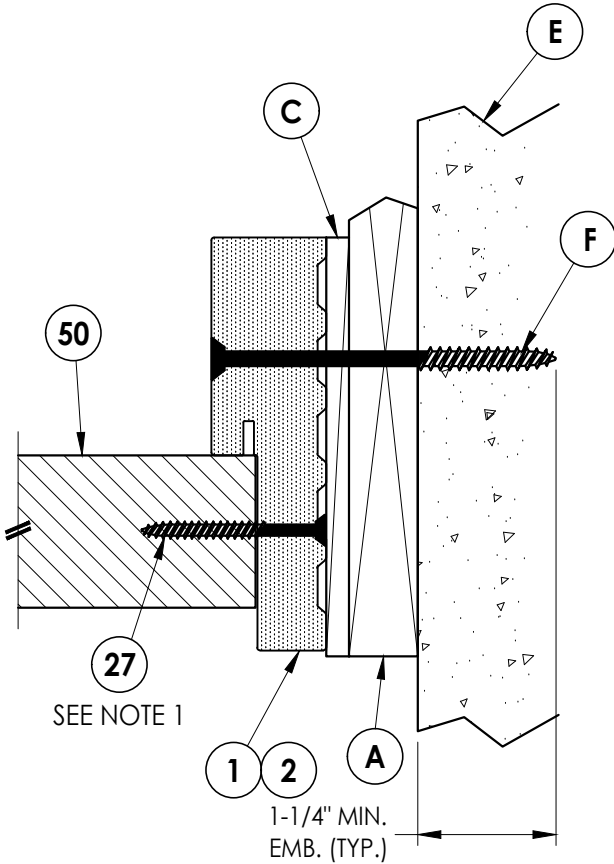
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)			
1	11/27/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS		LFS			
NO.	DATE			BY			
REVISIONS							
DATE: 2/15/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46116.4							
SHEET 6 OF 12							

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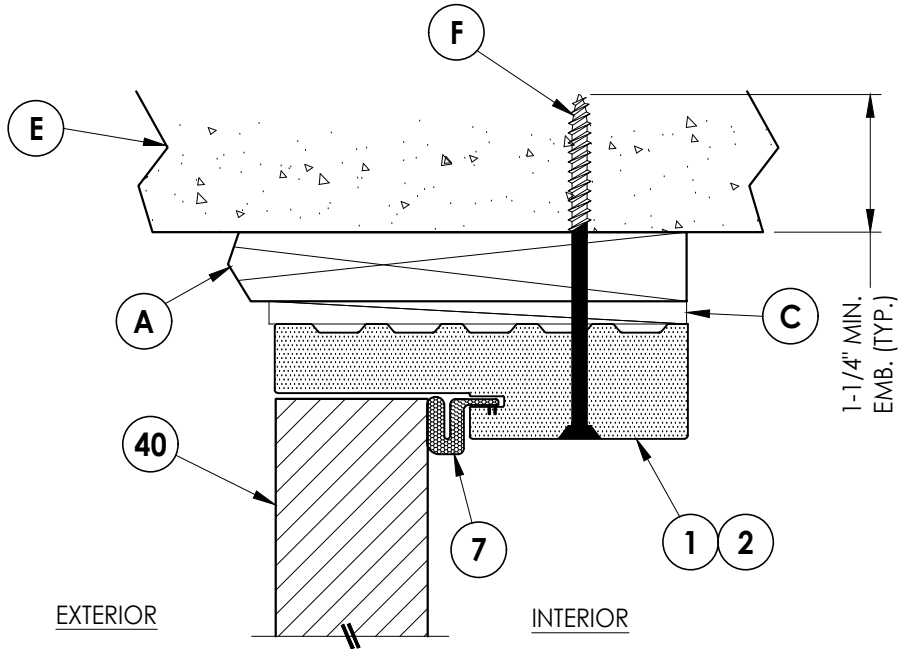
Note:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



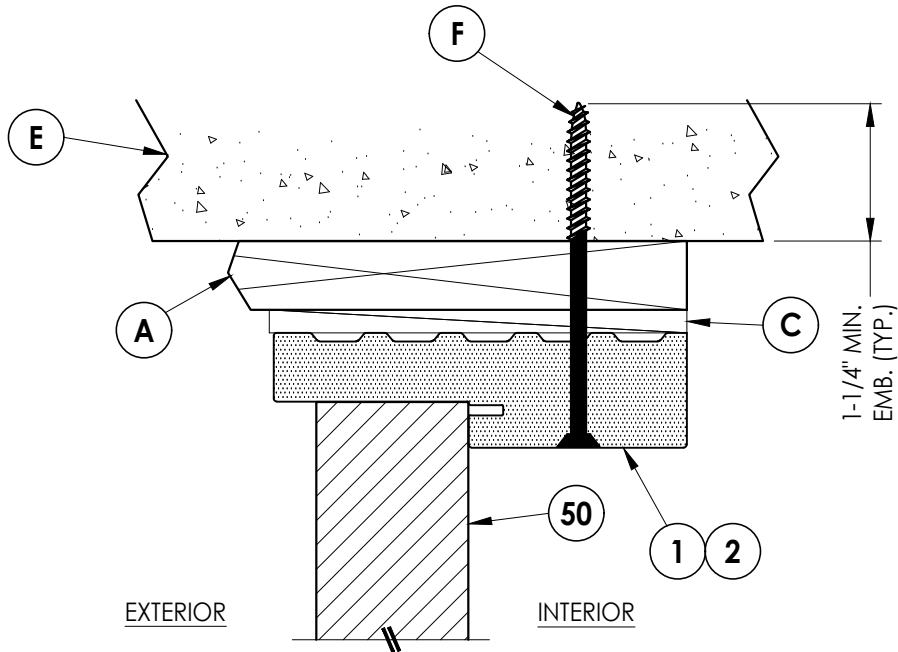
1
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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

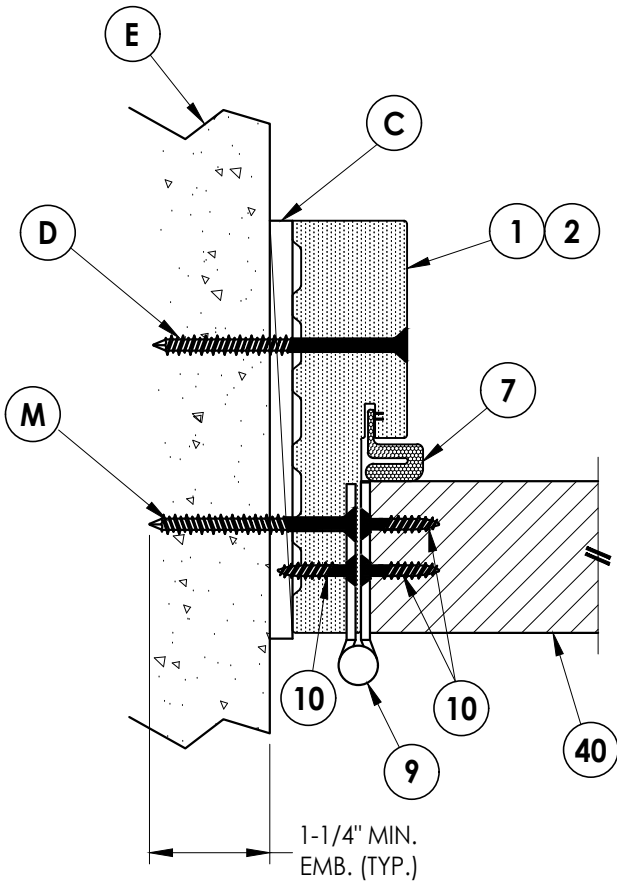


4
7 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

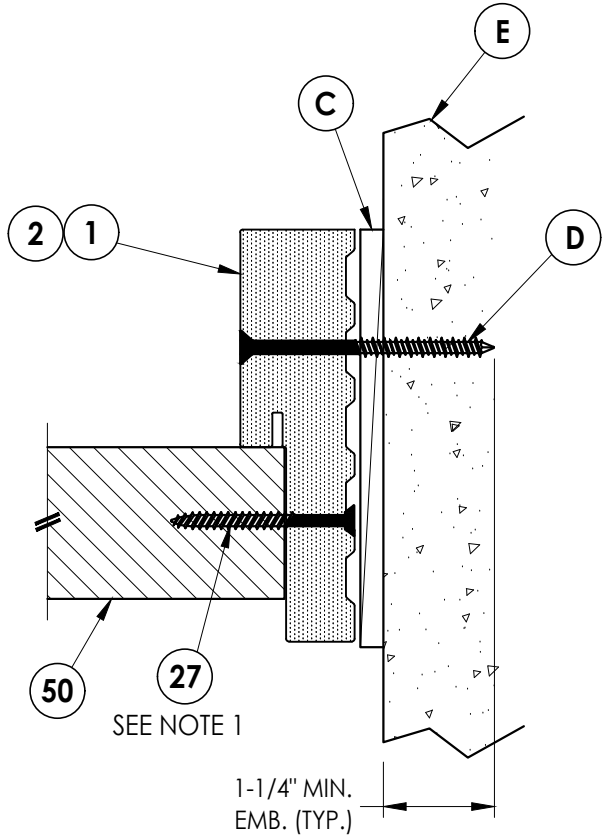
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT:		ODL FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
				LFS		BY	
				ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS			
				11/27/24		DATE	
						NO.	
DATE: 2/15/24				REVISIONS			
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46116.4							
SHEET 7 OF 12							

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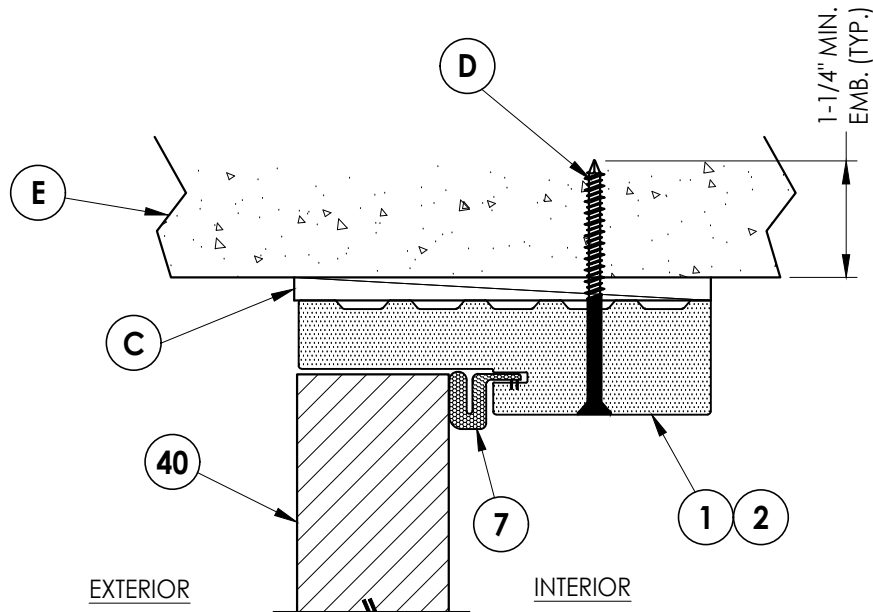
Note:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



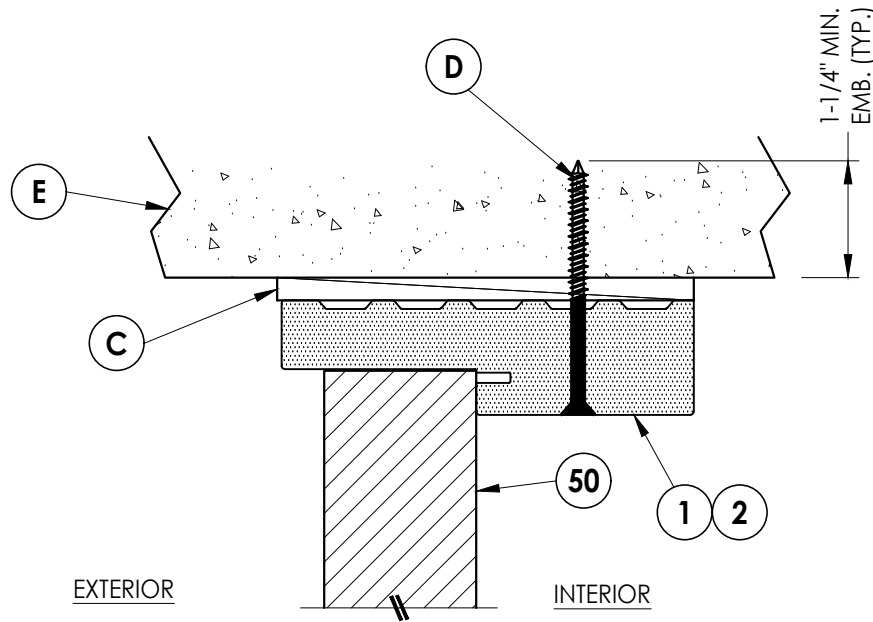
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



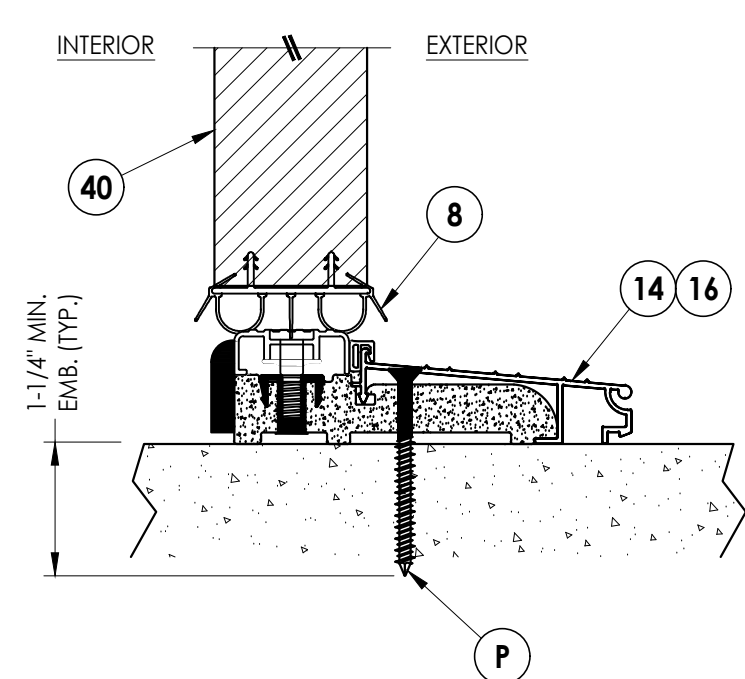
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8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



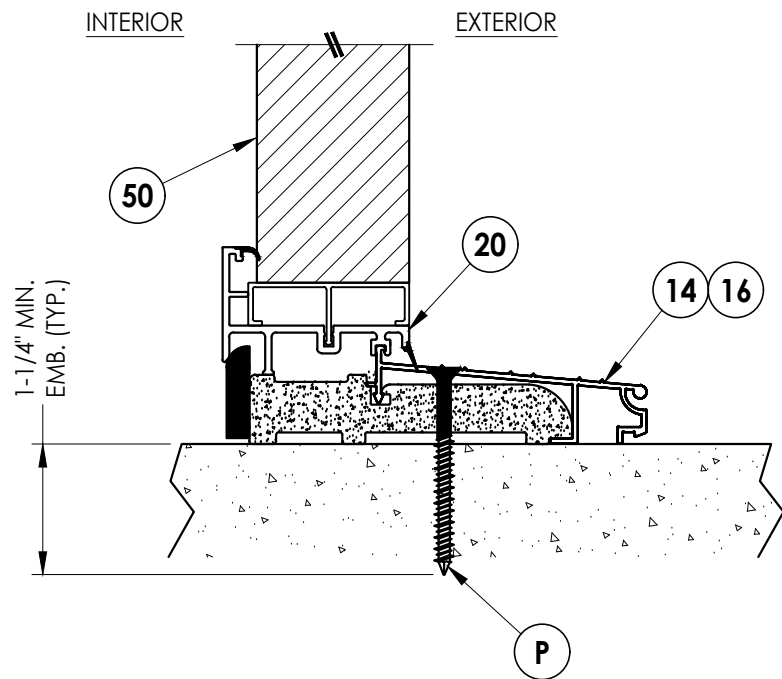
4
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

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
1	11/27/24	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-46116.4							
SHEET 8 OF 12							

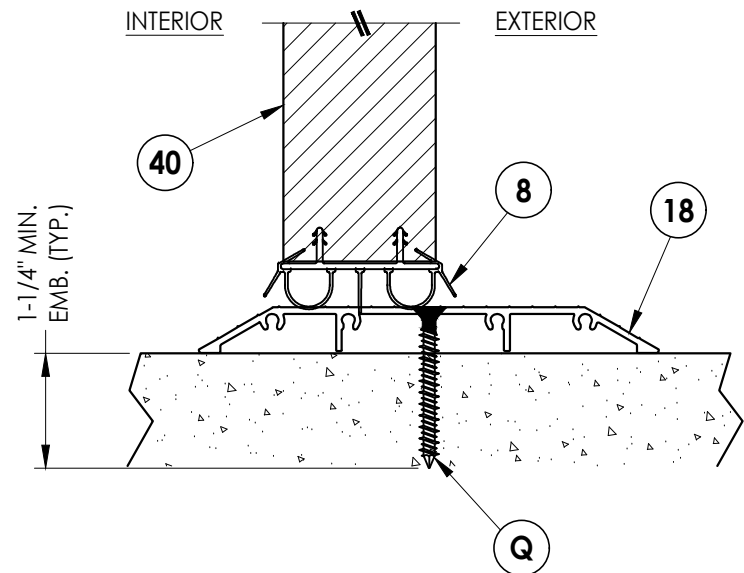
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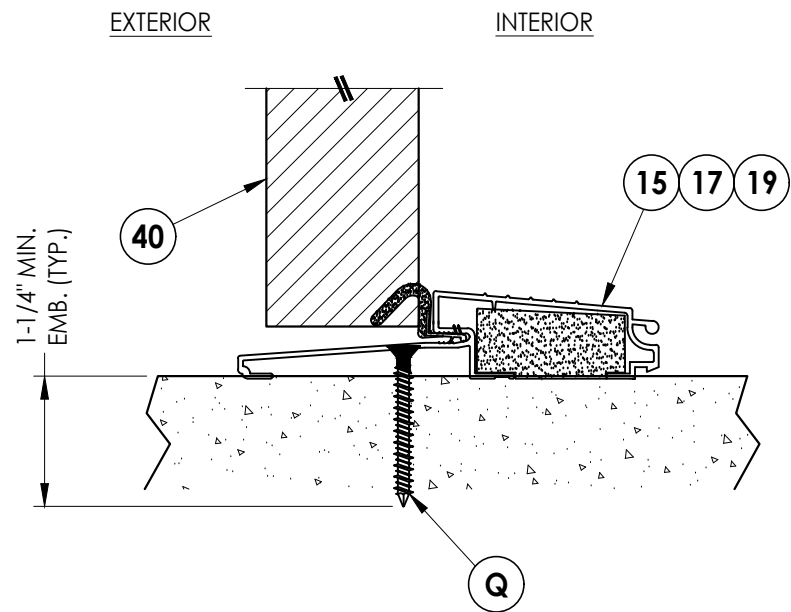
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9 **VERTICAL CROSS SECTION**
Inswing Sill



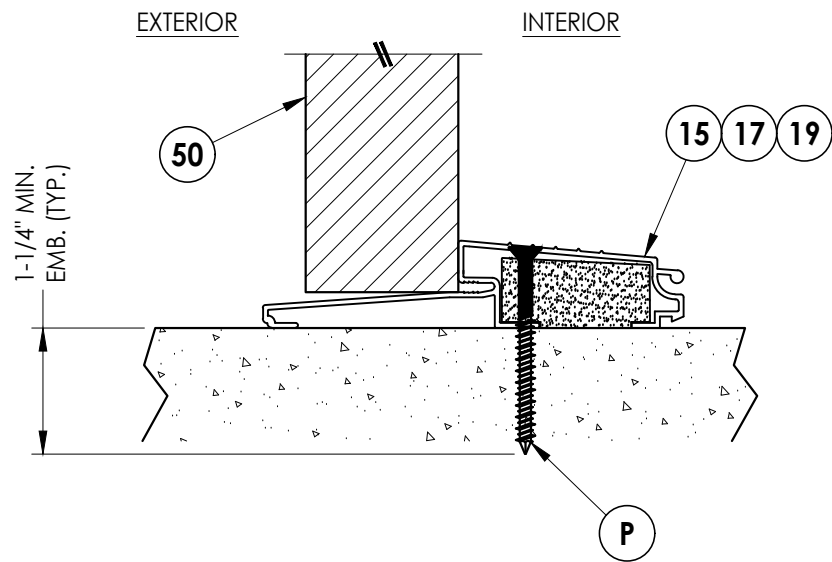
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9 **VERTICAL CROSS SECTION**
Inswing Sill



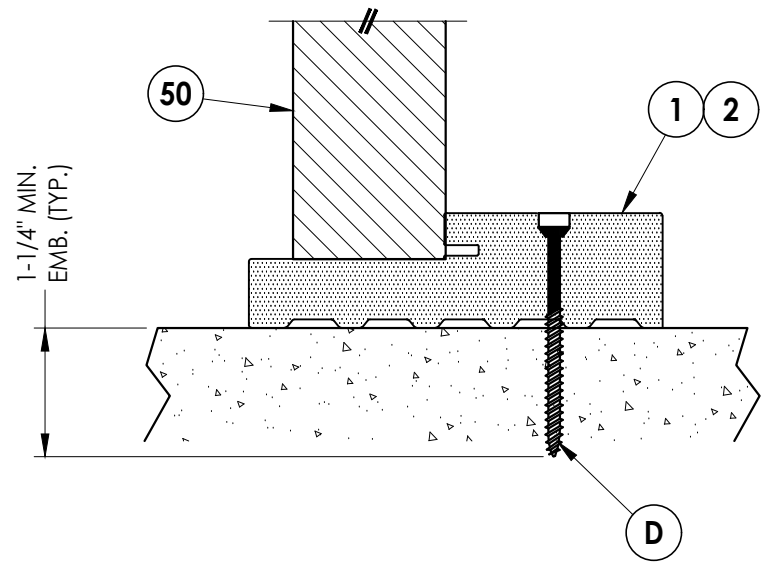
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9 **VERTICAL CROSS SECTION**
ADA Sill



2
9 **VERTICAL CROSS SECTION**
Outswing Sill



4
9 **VERTICAL CROSS SECTION**
Outswing Sill



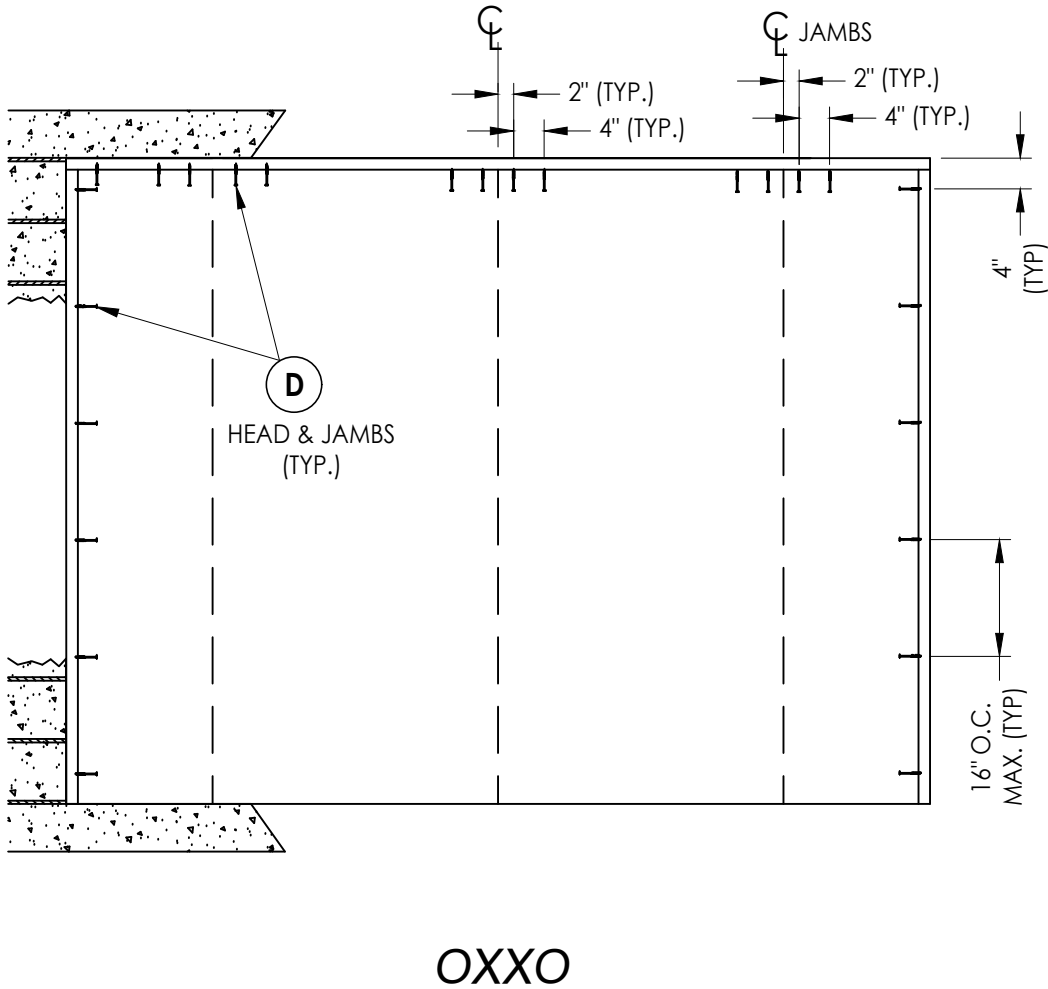
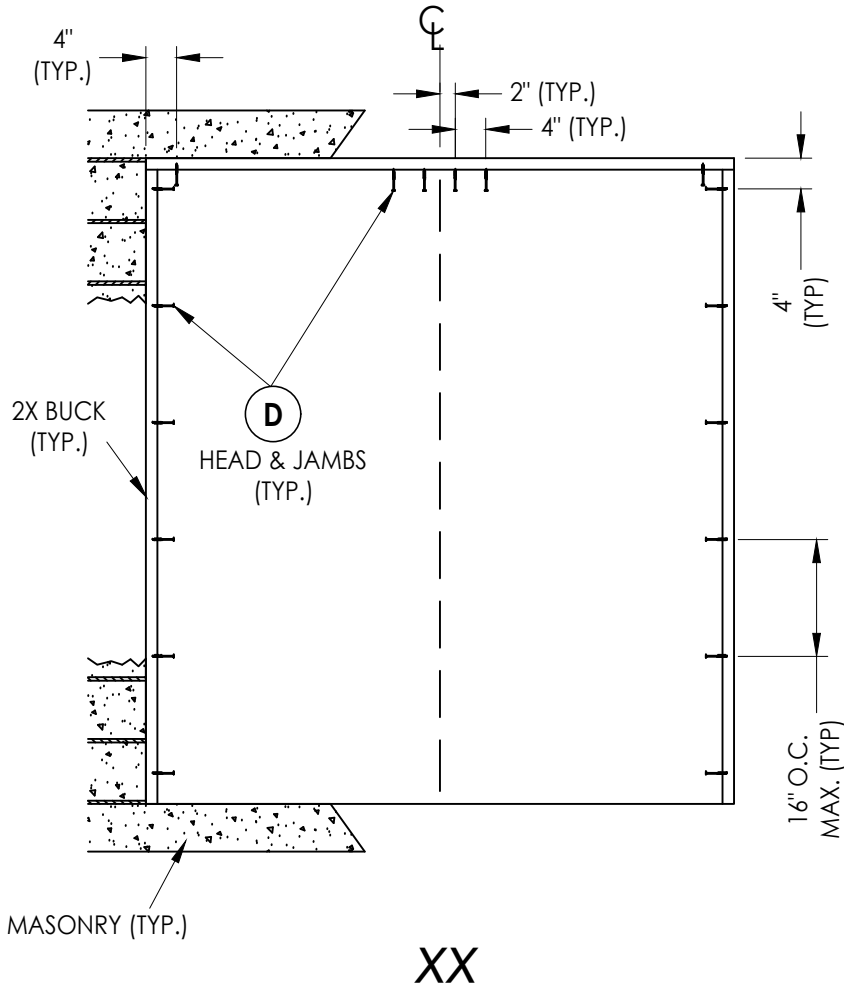
6
9 **VERTICAL CROSS SECTION**
Boxed Sidelite Sill

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

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

PRODUCT:		PART OR ASSEMBLY:	
ODL FIBERGLASS DOOR		VERTICAL CROSS SECTIONS (THRESHOLDS)	
		LFS	BY
		ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS	
1	11/27/24	NO.	DATE
REVISIONS			
DATE: 2/15/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46116.4			
SHEET 9 OF 12			

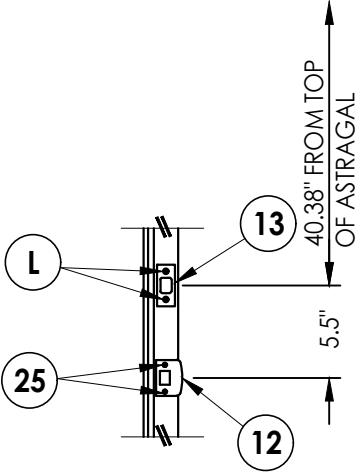
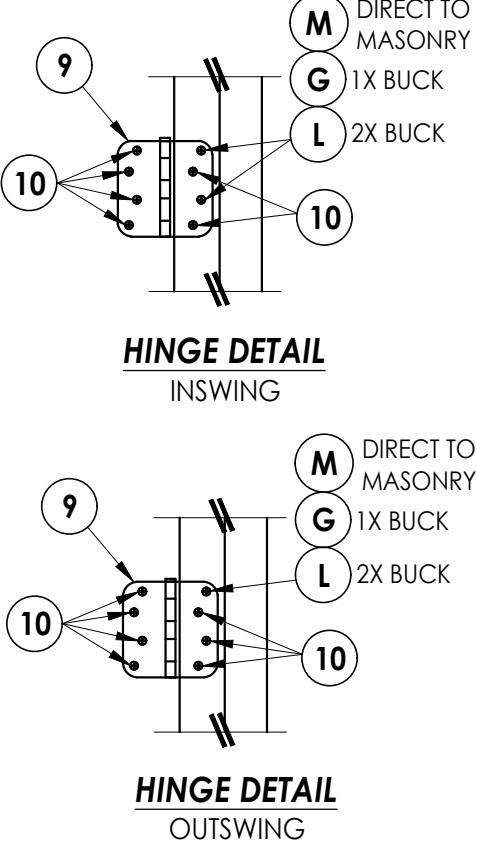
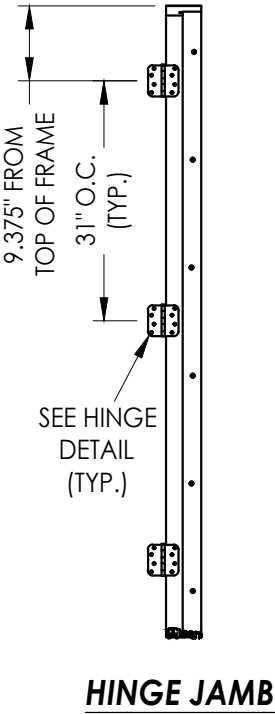
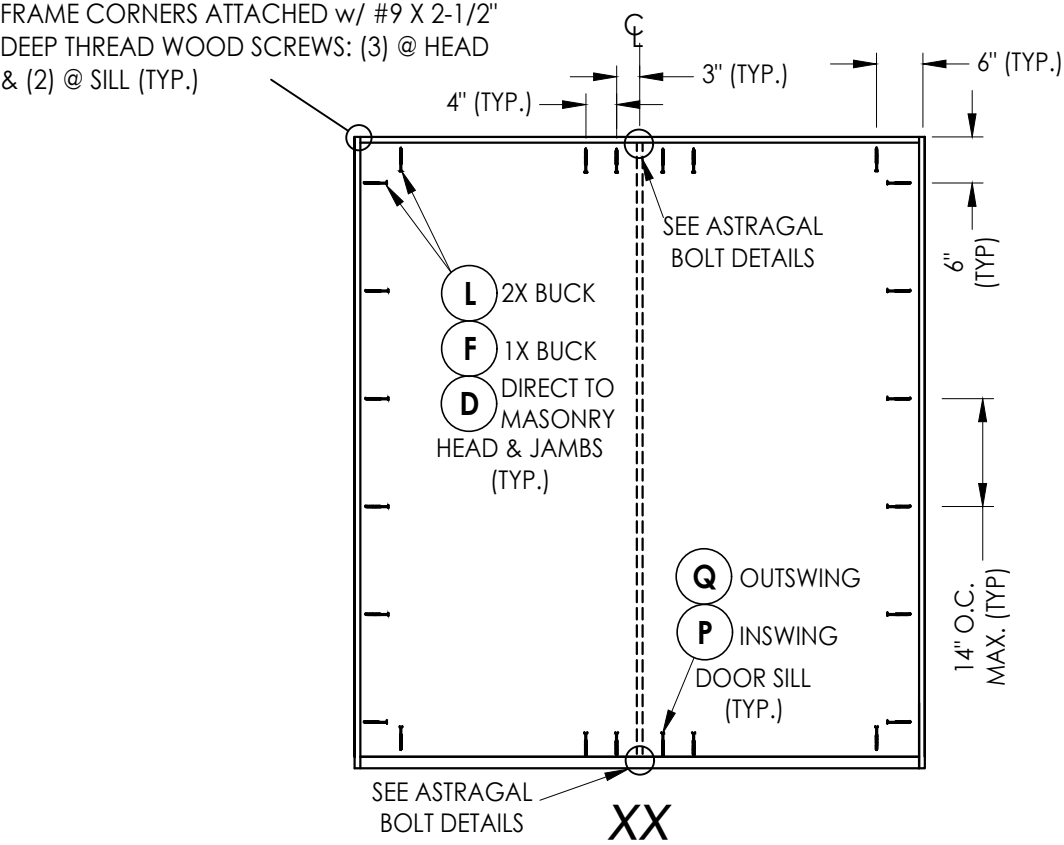
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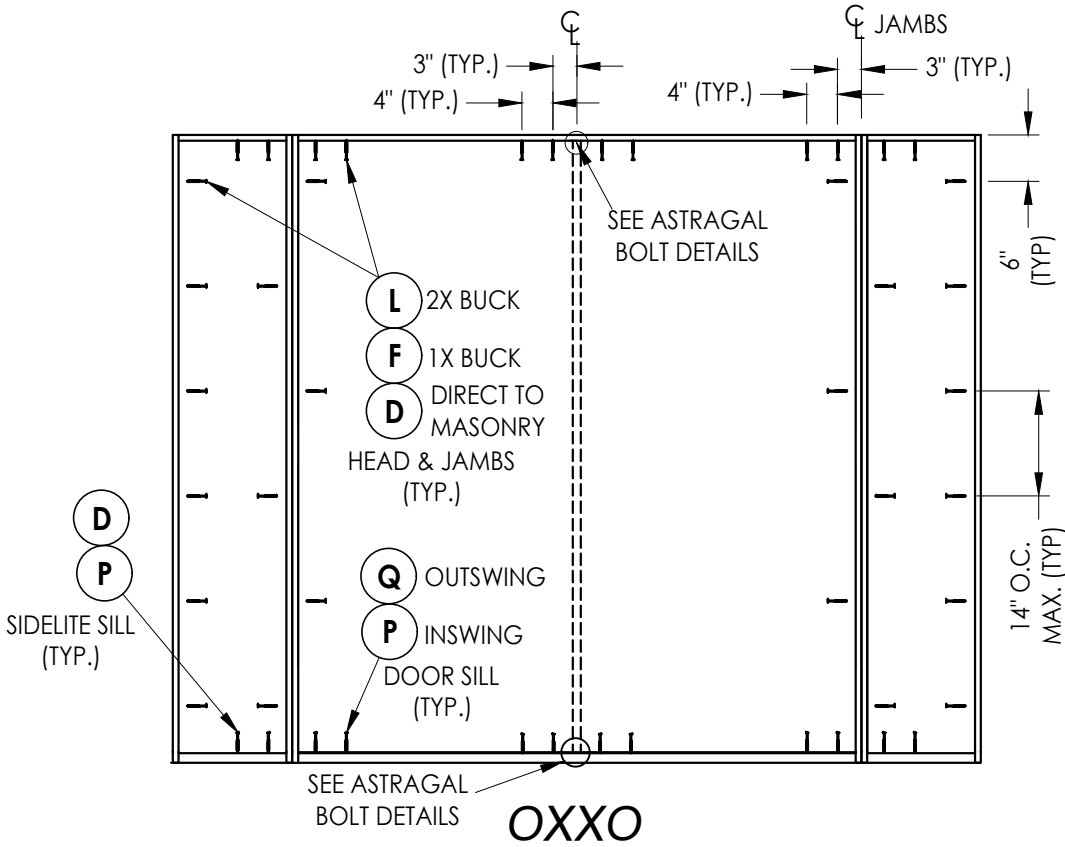
2X BUCK ANCHORING

DATE: 2/15/24		PRODUCT: ODL FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: BUCK ANCHORING		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-46116.4					
SHEET 10 OF 12					
NO.		DATE			
1		11/27/24		LFS	

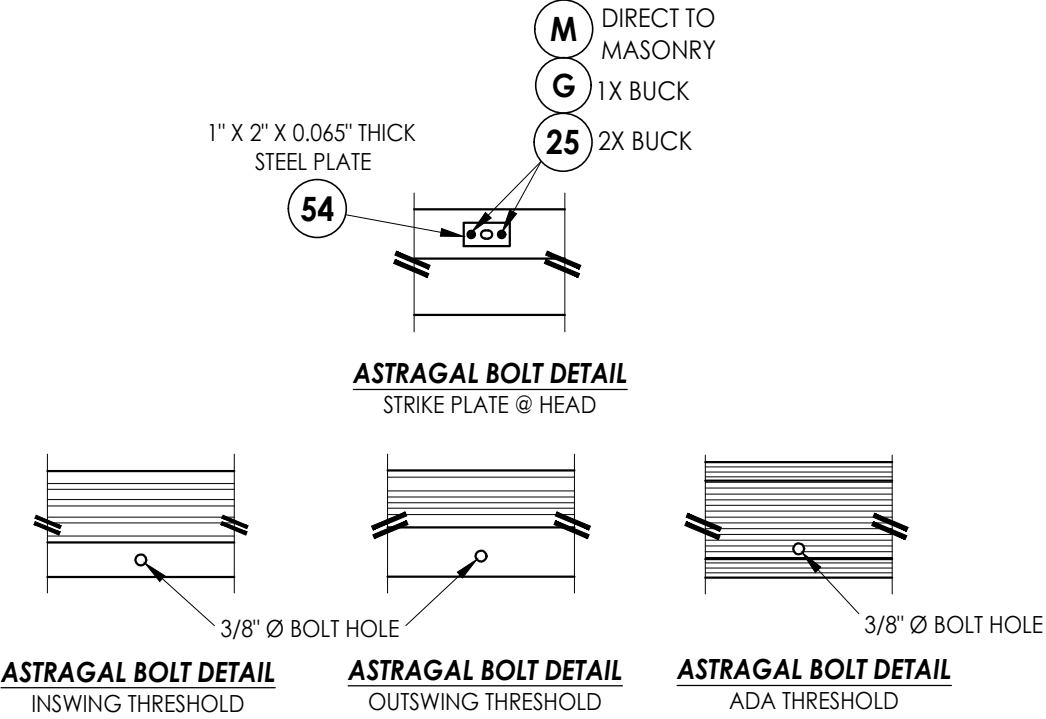
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LATCH & DEADBOLT STRIKE PLATE DETAILS



FRAME ANCHORING



HARDWARE DETAILS

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PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS					
				LFS			
				ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS			
					BY		
					NO.	DATE	REVISIONS
DATE: 2/15/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46116.4							
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
40	DOOR PANEL	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL
55	8 X 1" PFH WS	STEEL

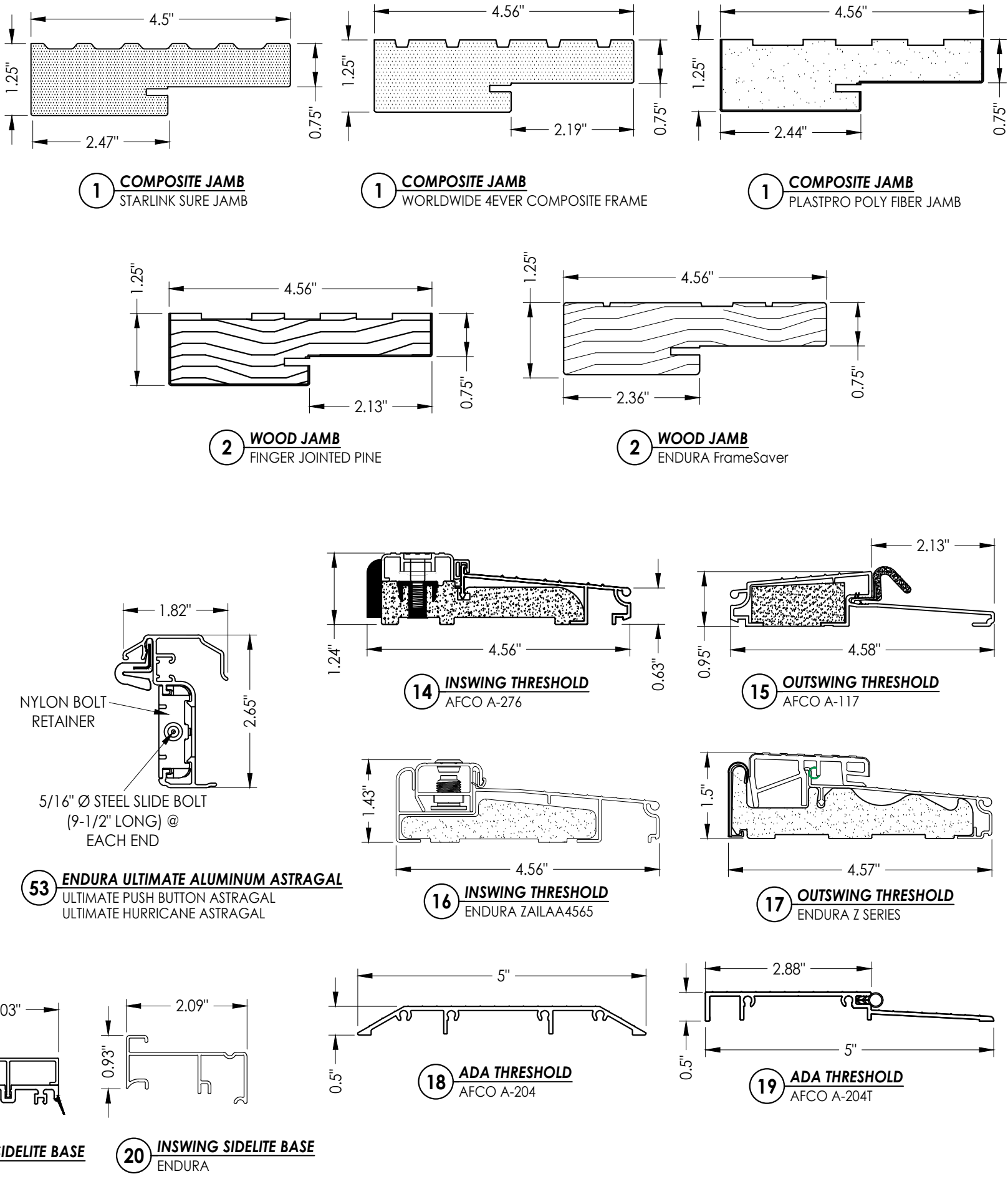
CONCRETE ANCHOR NOTES:

- 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	11/27/24	ADD ALTERNATE JAMBS, ASTRAGAL & THRESHOLDS

DATE: 2/15/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46116.4

SHEET 12 OF 12