

Z:\2023 FBC Drawings\ODL, Inc\FL-46119\FL-46119.7.dwg



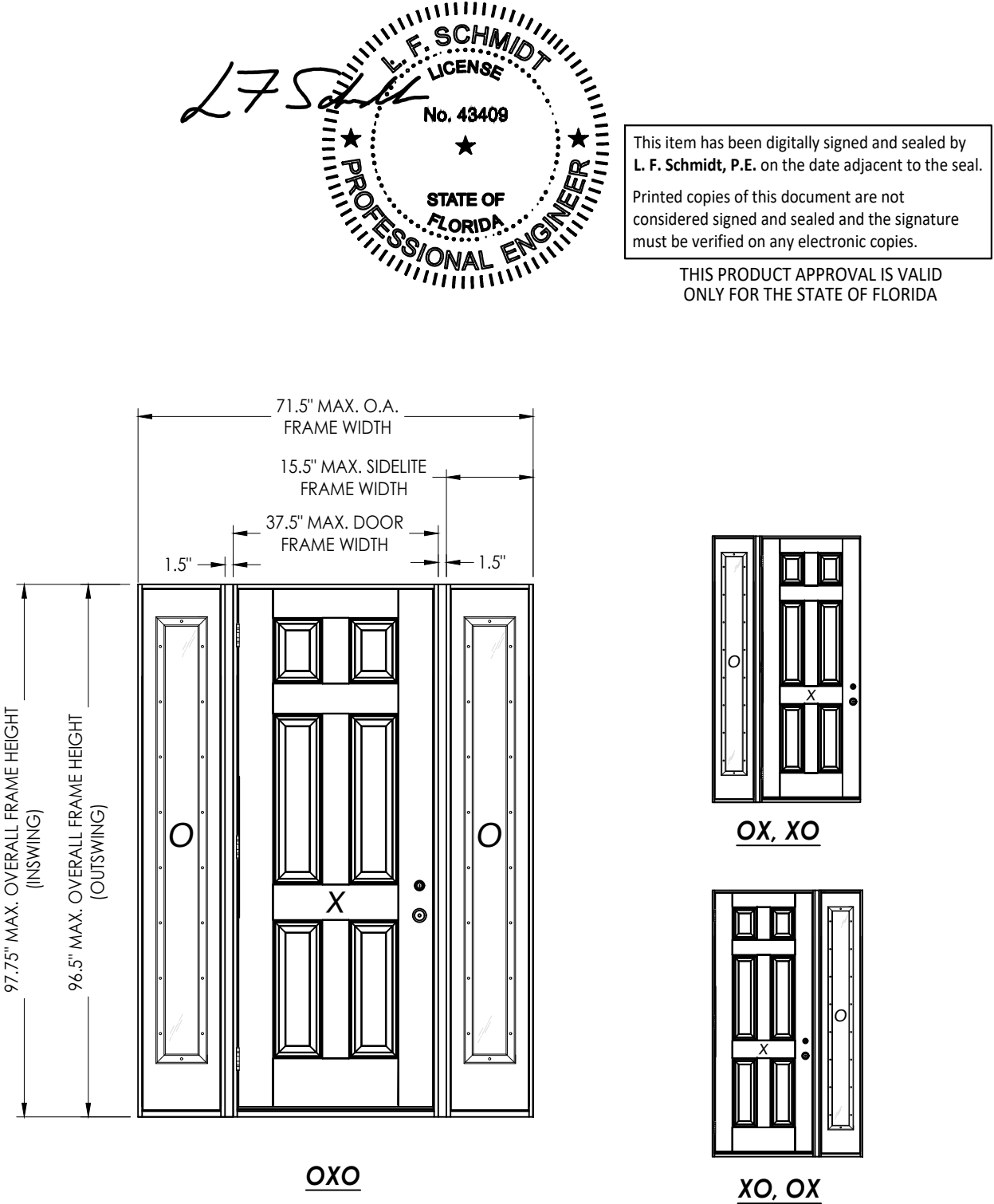
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

OPAQUE FIBERGLASS DOOR
SINGLE w/ SIDELITE(S)
INSWING/OUTSWING
"IMPACT"

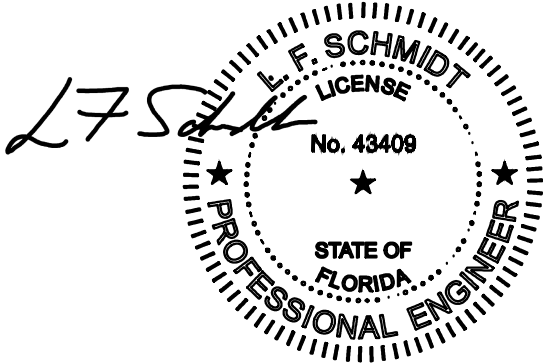
GENERAL NOTES

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.

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SHEET #	DESCRIPTION	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal & Vertical Cross Sections (2X Buck)
2	Door Panel Details	9	Horizontal & Vertical Cross Sections (1X Buck)
3	Sidelite Panel Details	10	Horizontal & Vertical Cross Sections (Direct to Masonry)
4	Lite Frame Glazing Details (Alum. Flat Frame)	11	Vertical Cross Sections (Thresholds)
5	Lite Frame Glazing Details (Keystone PVC Frame)	12	Buck Anchoring
6	Elevations	13	Frame Anchoring & Hardware Details
7	Horizontal Cross Sections	14	Bill of Materials & Components



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO	54.5" x 97.75"	+50.0	-50.0	+50.0	-50.0
OXO	71.5" x 97.75"	+50.0	-50.0	+50.0	-50.0



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

PRODUCT:
ODL
FIBERGLASS DOOR

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

DATE: 3/27/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46119.7

SHEET 1 OF 14

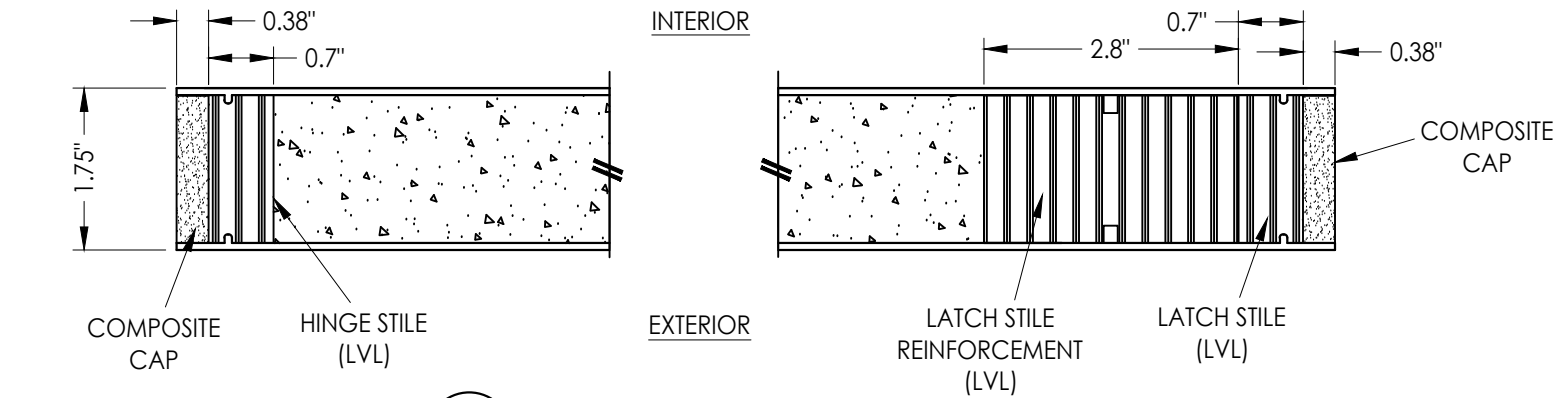
1/14/25
NO. DATE

ADD OPT. GLAZING DETAILS

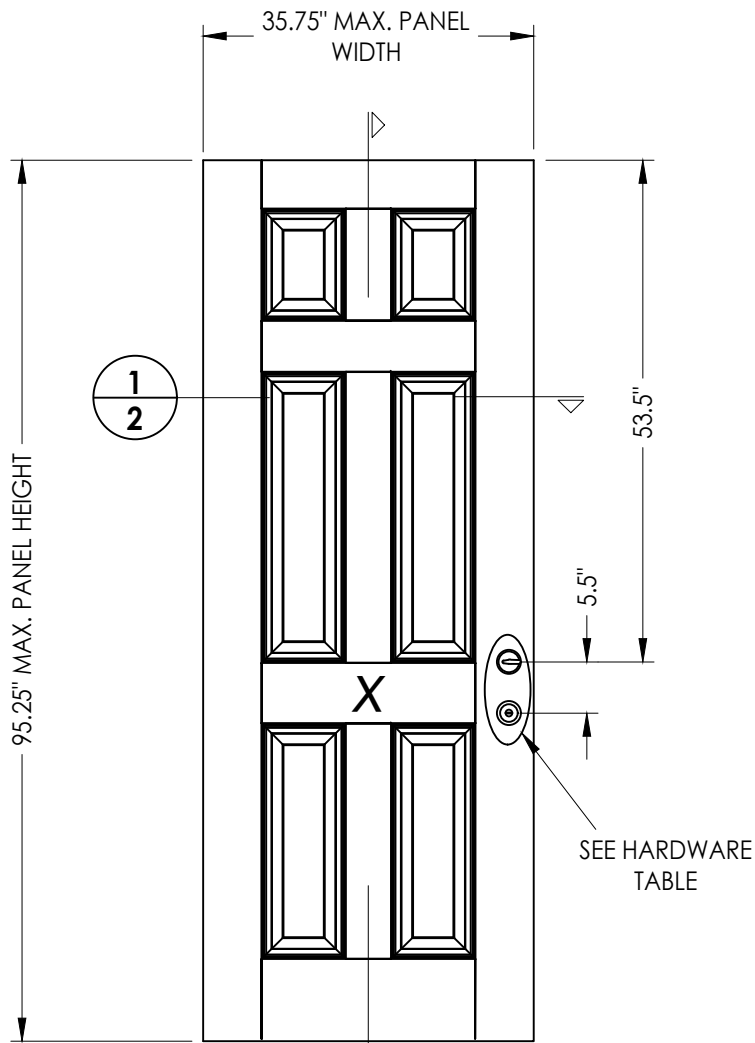
REVISIONS

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

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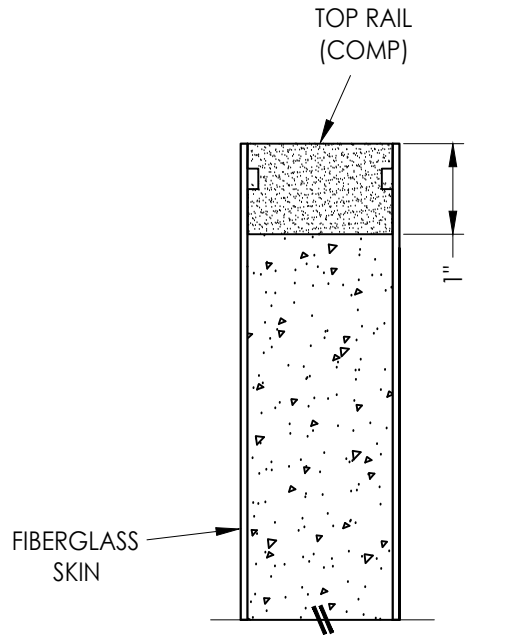
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2 **HORIZONTAL CROSS SECTION**



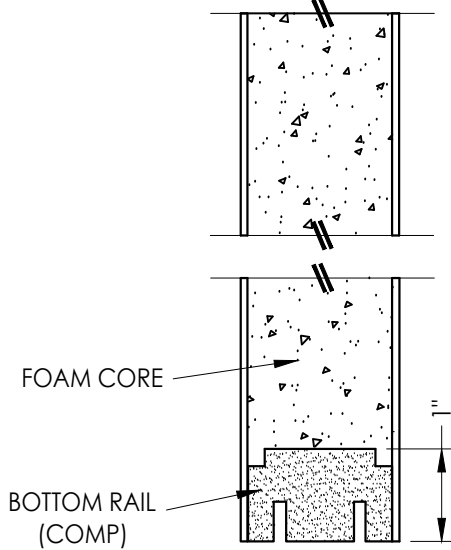
2
2 **FIBERGLASS DOOR PANEL**
ODL

FIBERGLASS SKIN: 0.090" MIN. THK.
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)

HARDWARE CHART		
MANUFACTURER	MODEL	
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (980)
Schlage	Knob:	F Series
	Deadbolt:	B60 Series



INTERIOR EXTERIOR



2
2 **VERTICAL CROSS SECTION**

Documents Prepared By:
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P.E. No. 43409

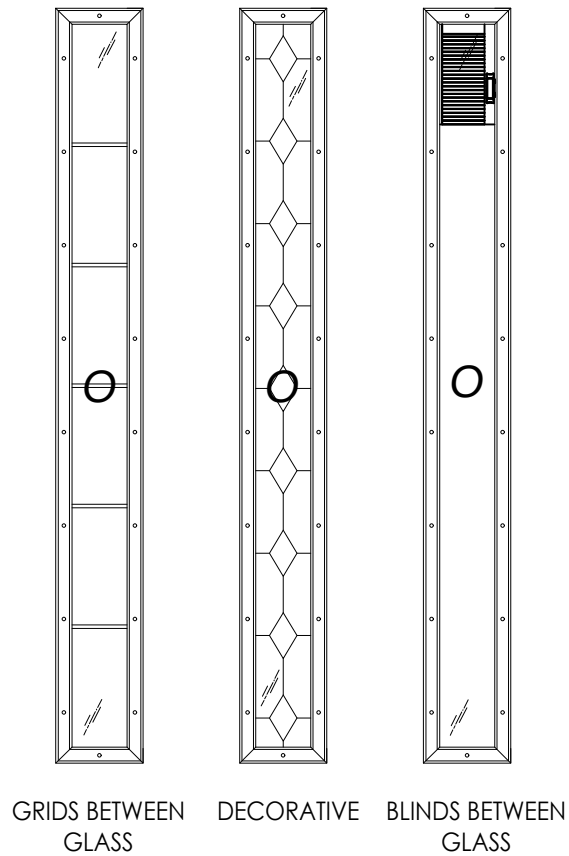
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	ODL FIBERGLASS DOOR
	PART OR ASSEMBLY: DOOR PANEL DETAILS

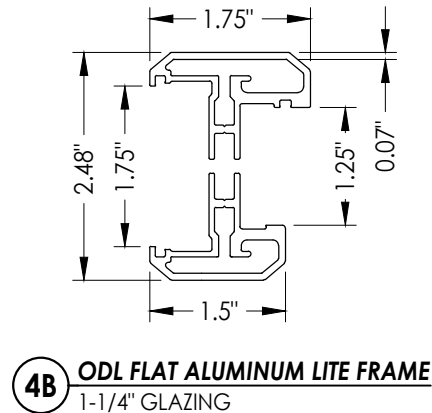
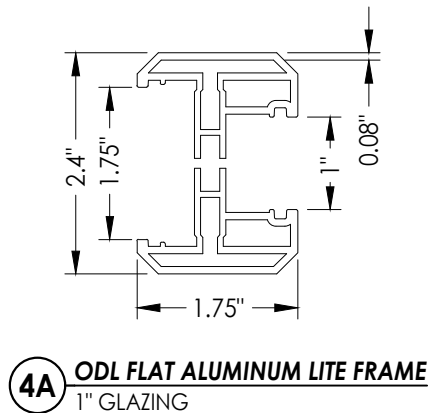
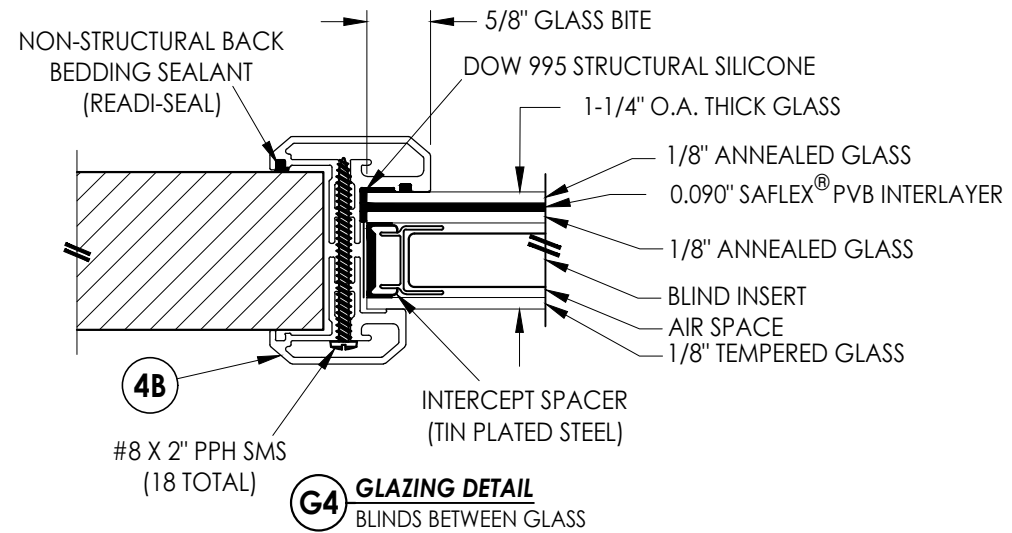
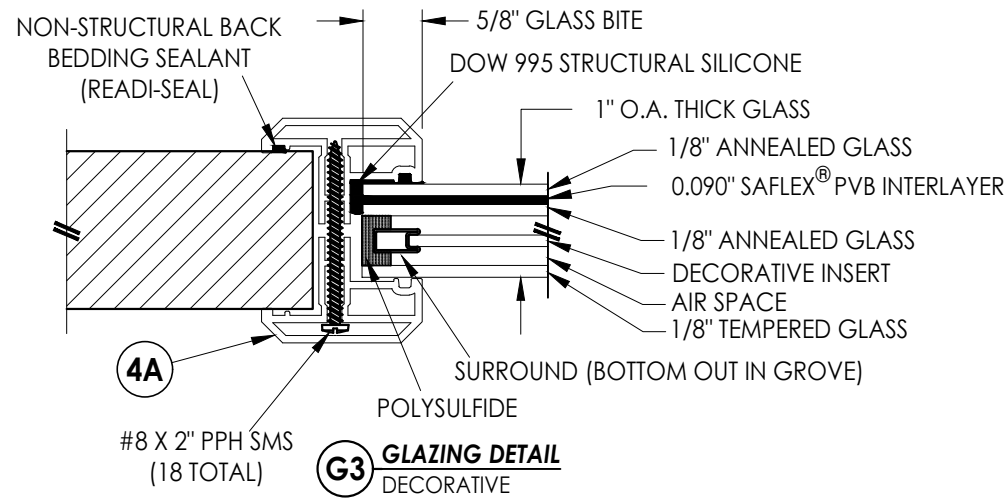
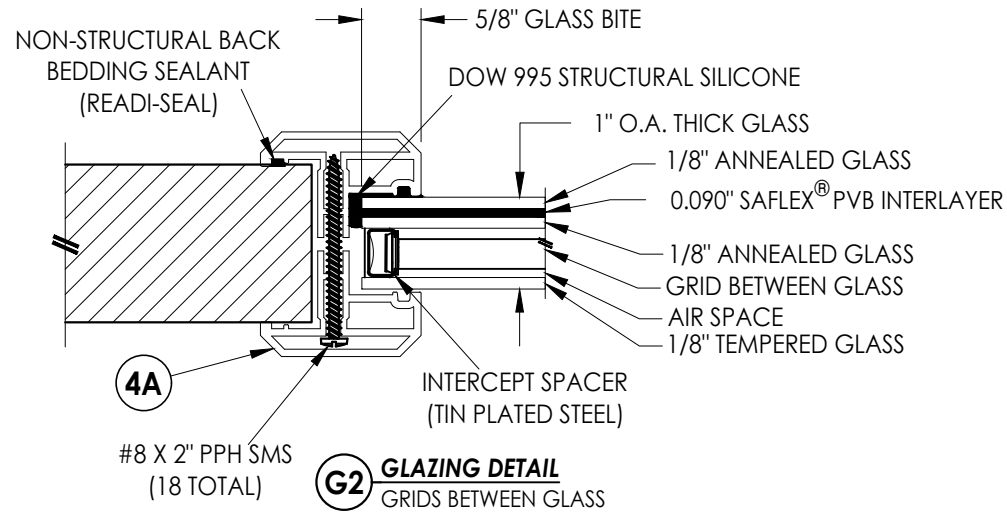
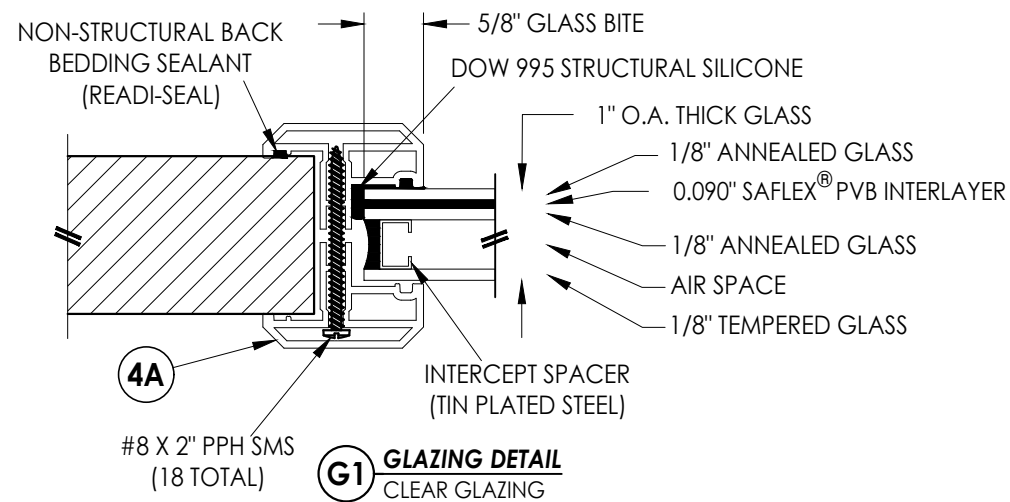
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1	1/14/25			

DATE:	3/27/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46119.7
SHEET	2 OF 14

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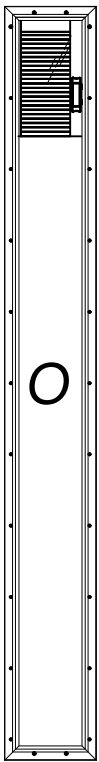
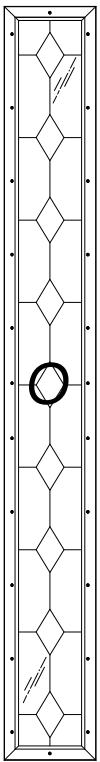
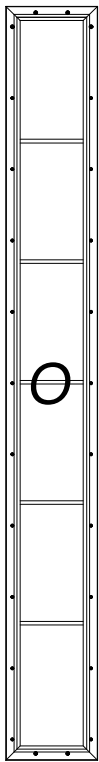
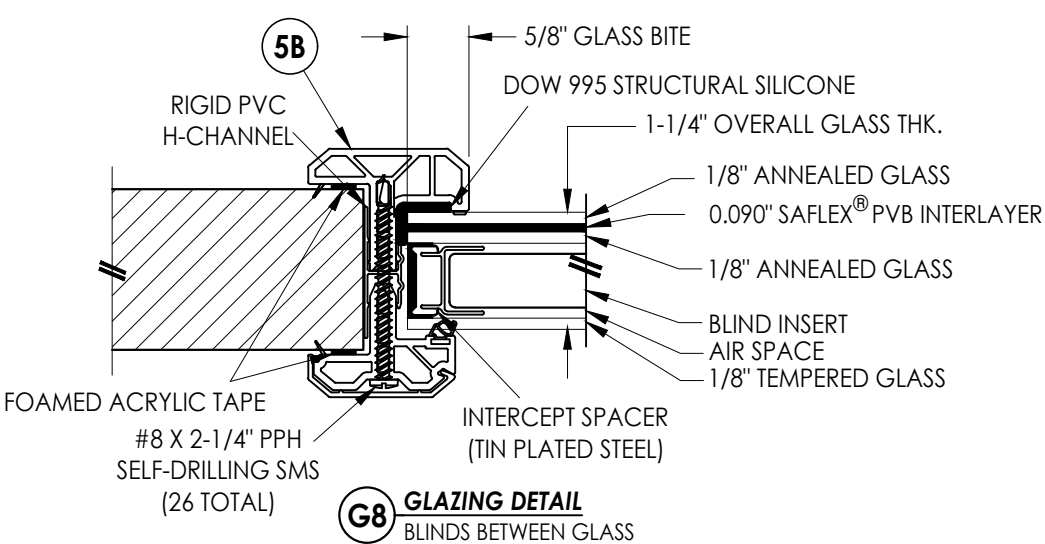
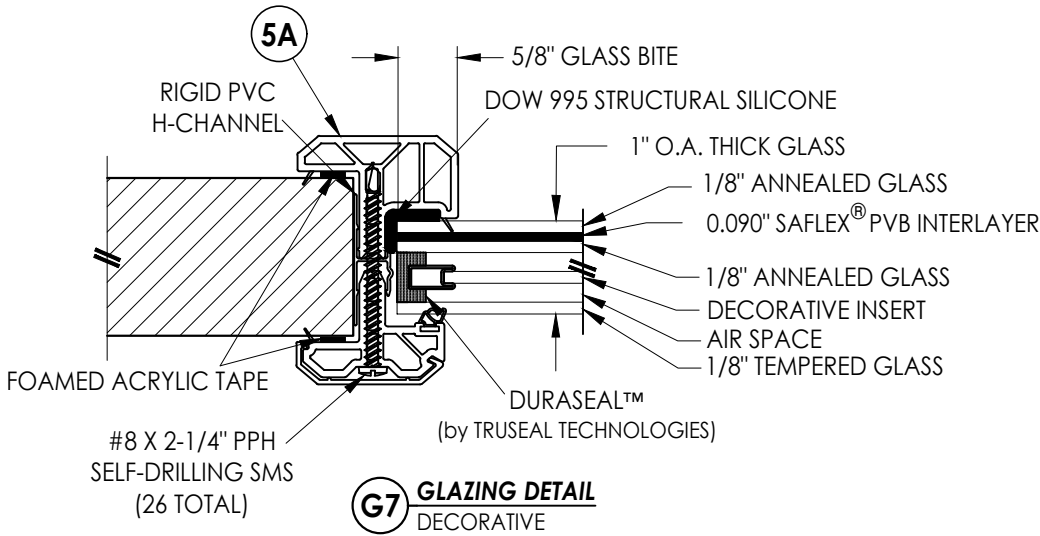
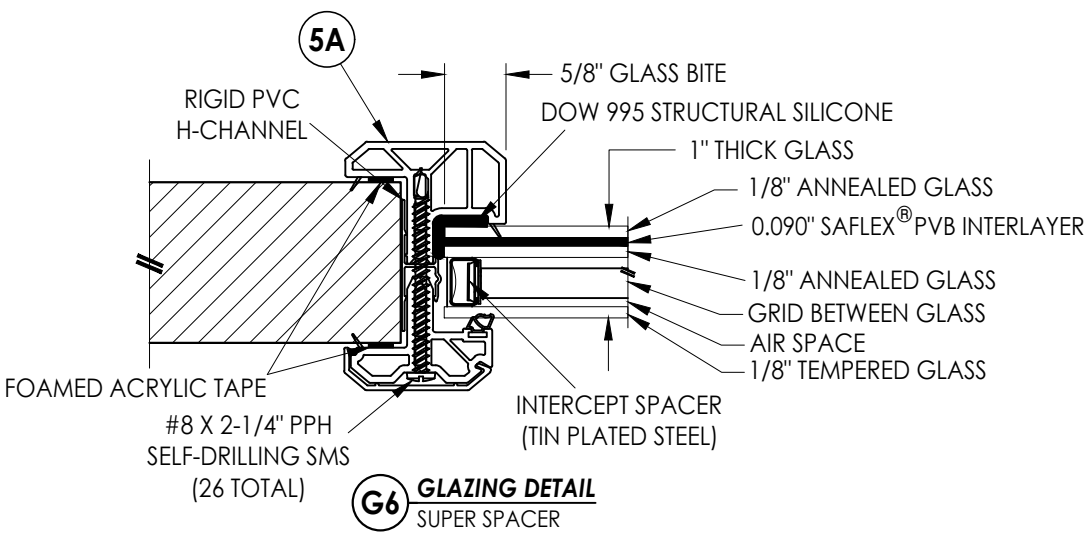
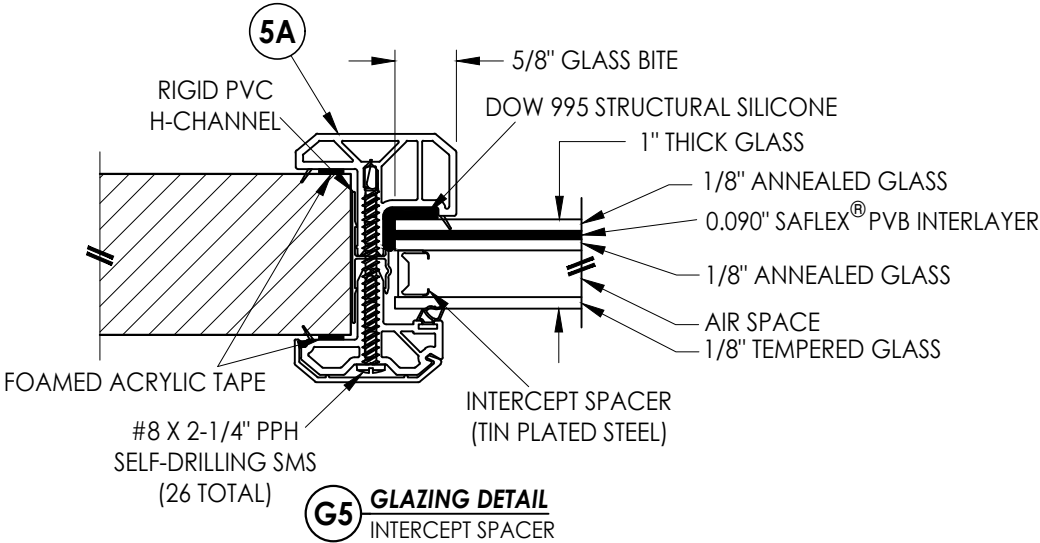


ALTERNATE GLAZING DETAILS



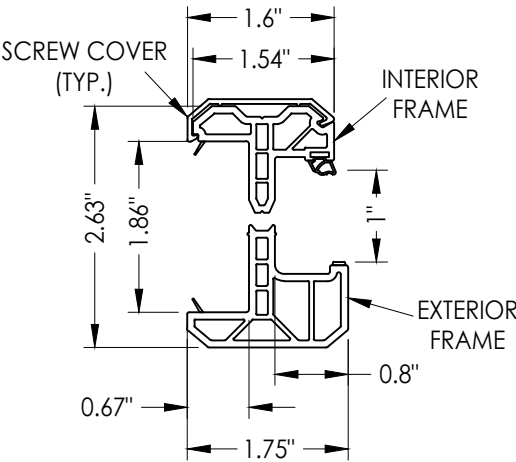
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR	PART OR ASSEMBLY: LITE FRAME GLAZING DETAILS (ALUMINUM FLAT FRAME)	REVISIONS	
		NO.	DATE
		1	1/14/25
		ADD OPT. GLAZING DETAILS	
		NO.	DATE
		1	1/14/25
DATE: 3/27/24		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-46119.7		SHEET 4 OF 14	

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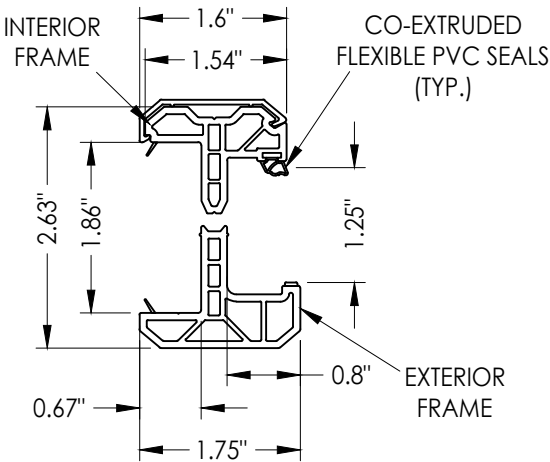


GRIDS BETWEEN GLASS DECORATIVE BLINDS BETWEEN GLASS

ALTERNATE GLAZING DETAILS



5A **ODL KEYSTONE PVC LITE FRAME**
1" GLAZING



5B **ODL KEYSTONE PVC LITE FRAME**
1-1/4" GLAZING

Documents Prepared By:
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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:
LITE FRAME GLAZING DETAILS
(KEYSTONE PVC FRAME)

NO.	DATE	ADD OPT. GLAZING DETAILS	LFS	BY
1	1/14/25			

REVISIONS

DATE: 3/27/24

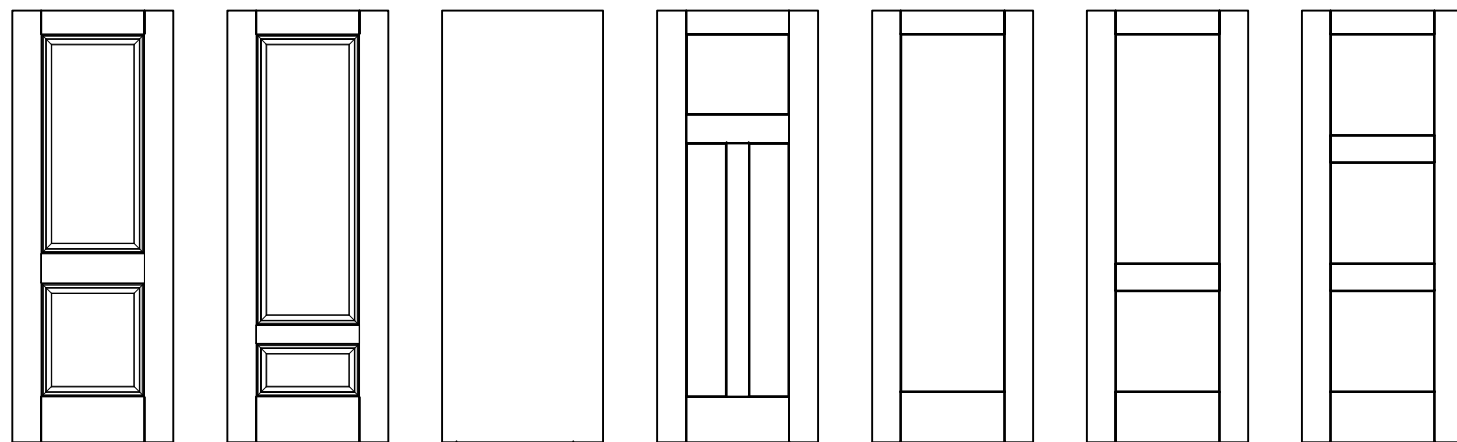
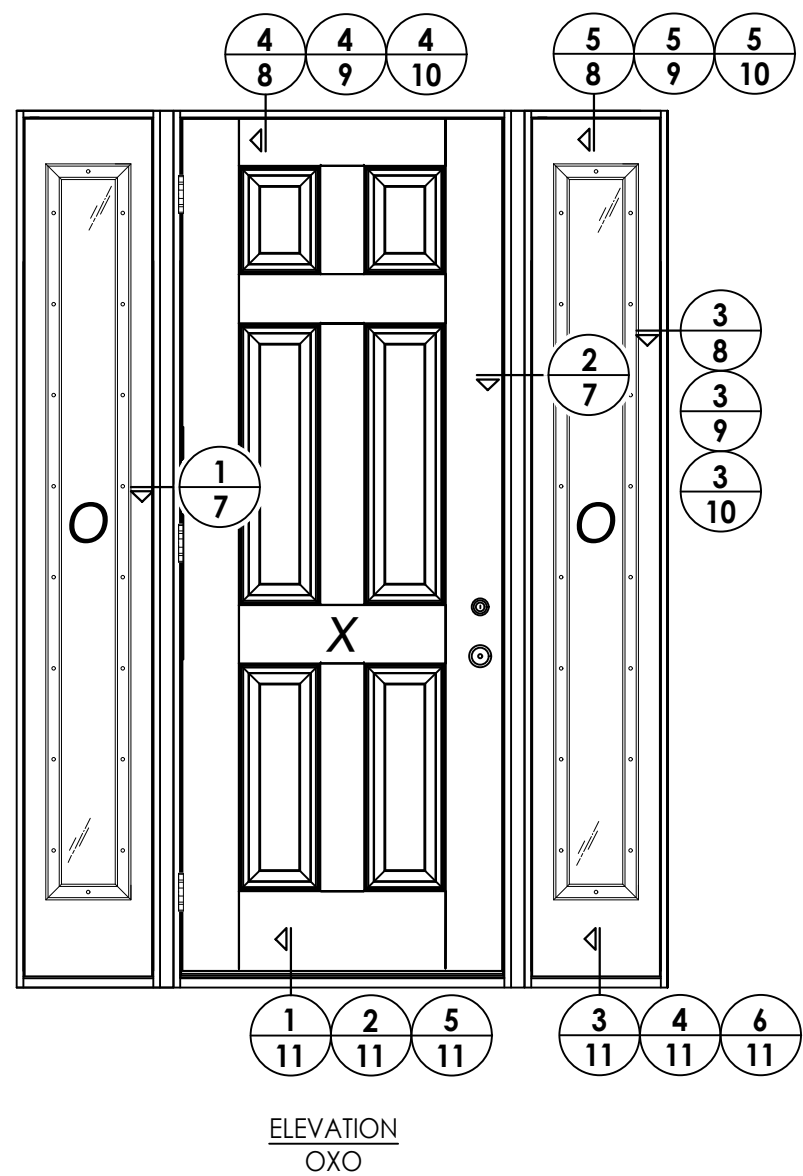
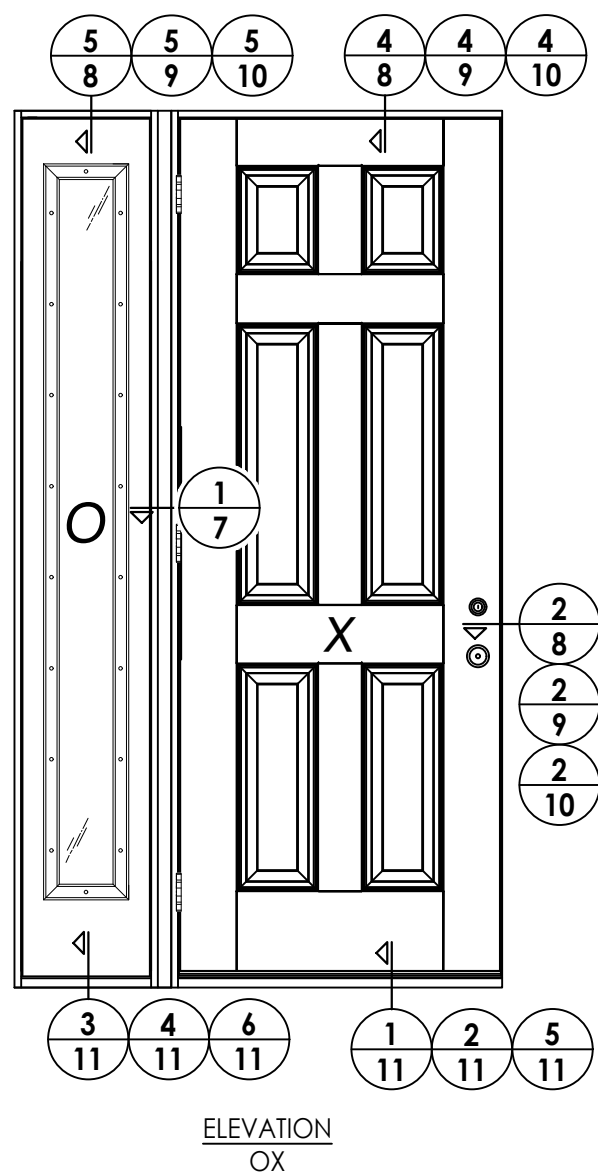
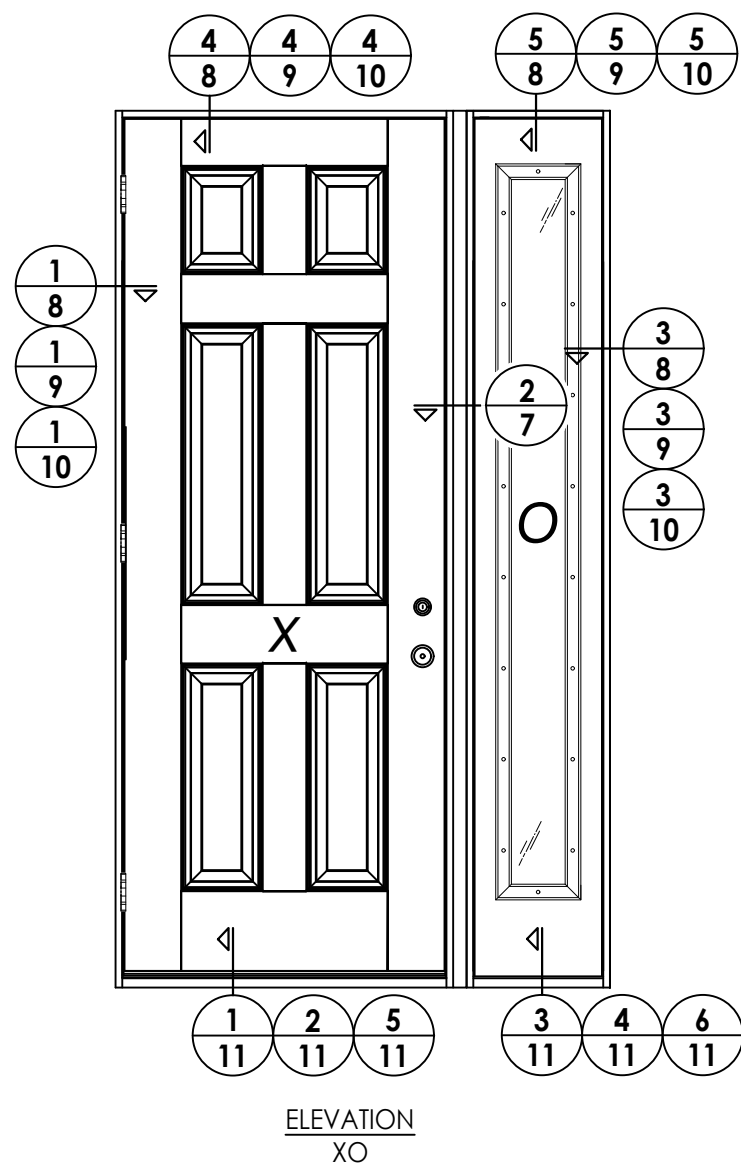
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CHK. BY: RW

DRAWING NO.:
FL-46119.7

SHEET 5 OF 14



1	1/14/25	ADD OPT. GLAZING DETAILS	LFS	
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REVISIONS				

DATE: 3/27/24

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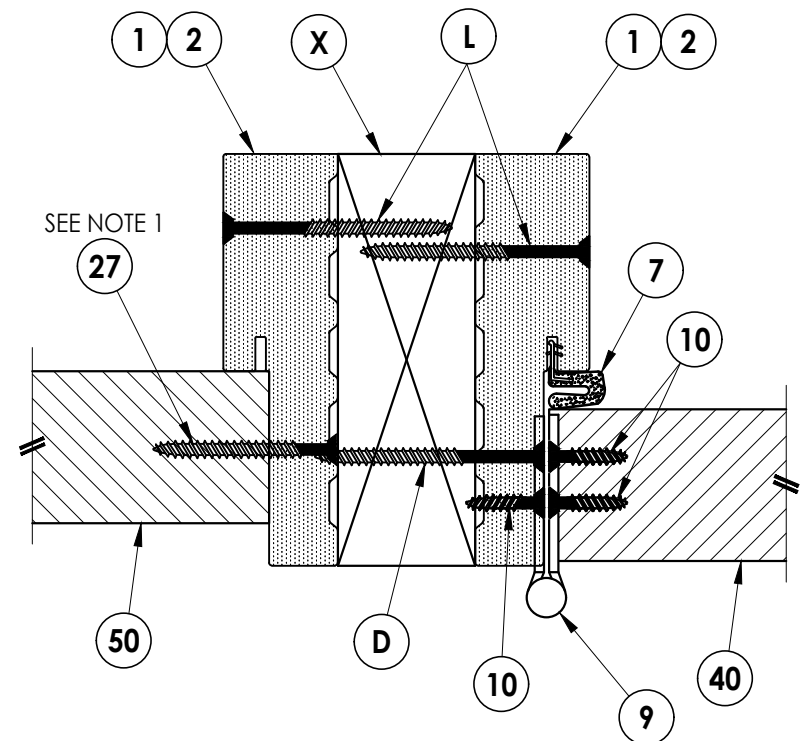
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DRAWING NO.:
FL-46119.7

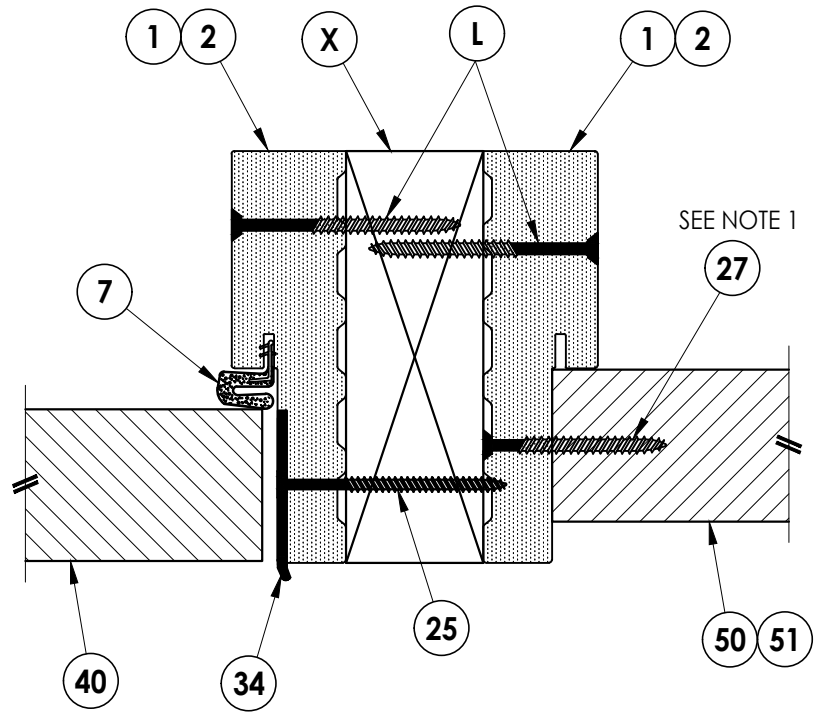
SHEET 6 OF 14

Documents Prepared By:
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P.E. No. 43409

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



1 7 **HORIZONTAL CROSS SECTION** Outswing Shown (Inswing Similar)



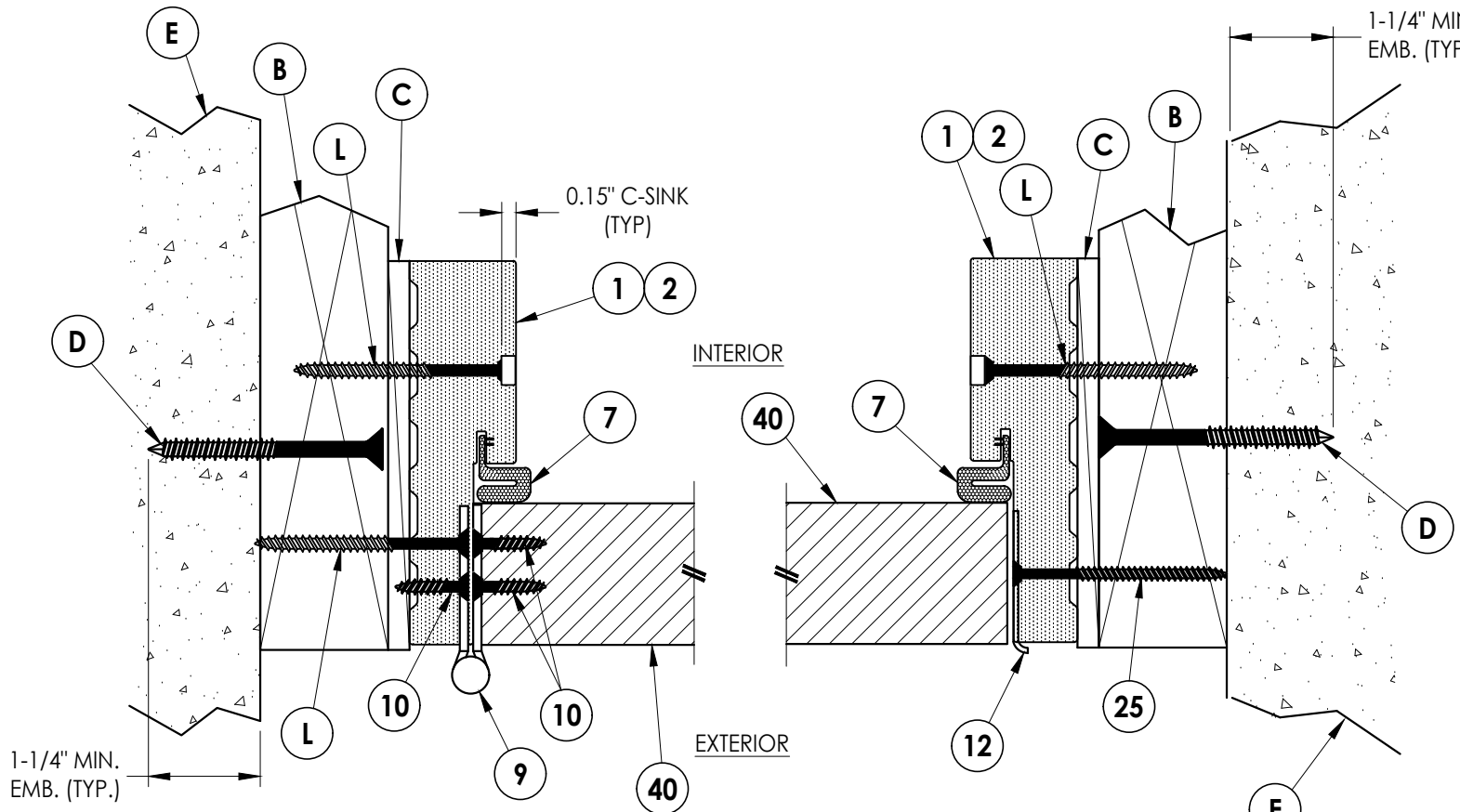
2 7 **HORIZONTAL CROSS SECTION** Outswing Shown (Inswing Similar)

NOTE:

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

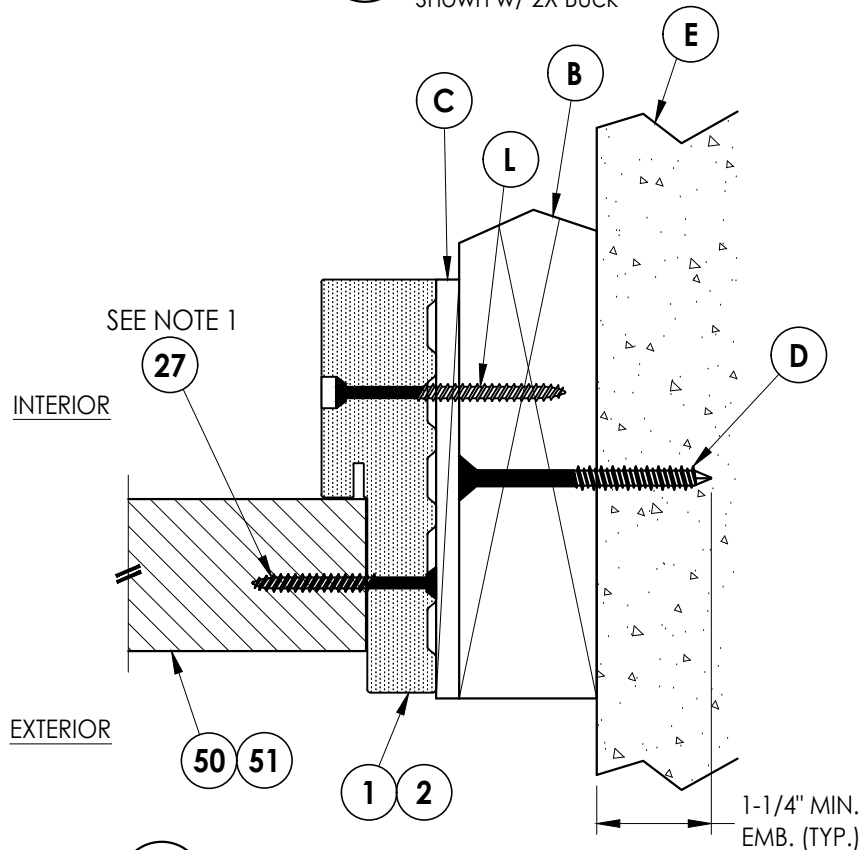
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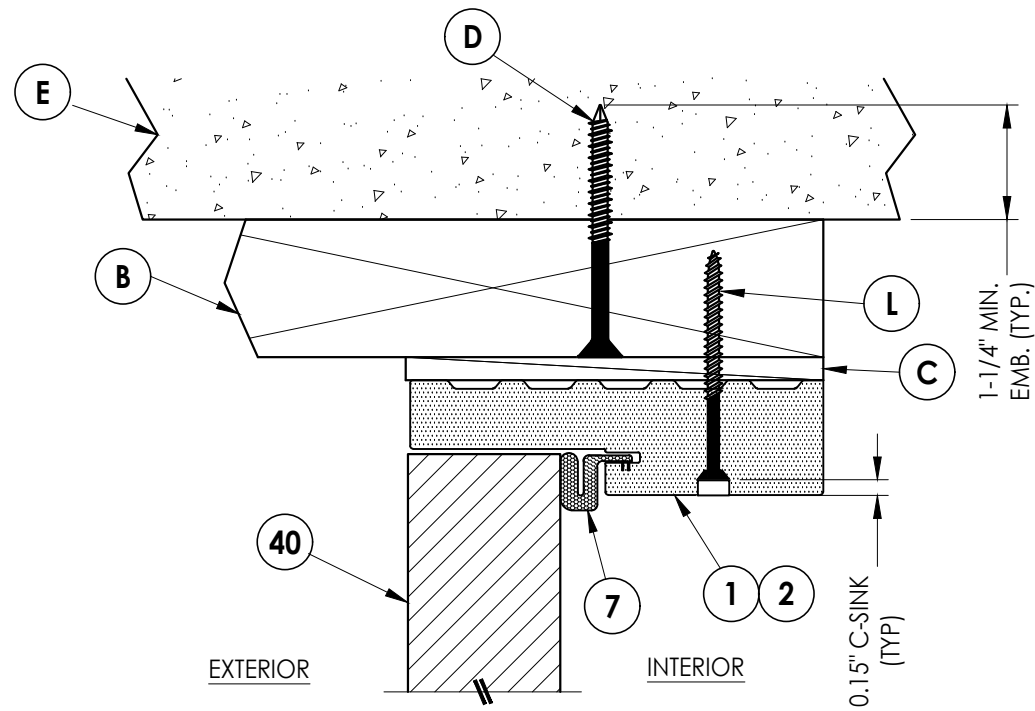
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

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

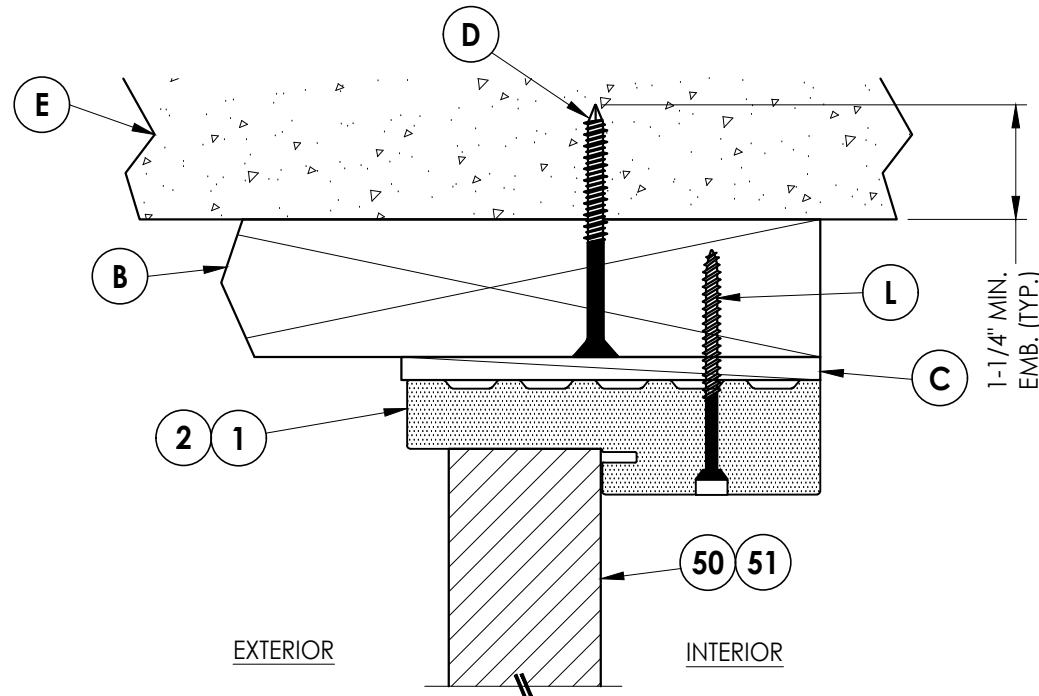


3
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

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



4
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



5
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

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Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
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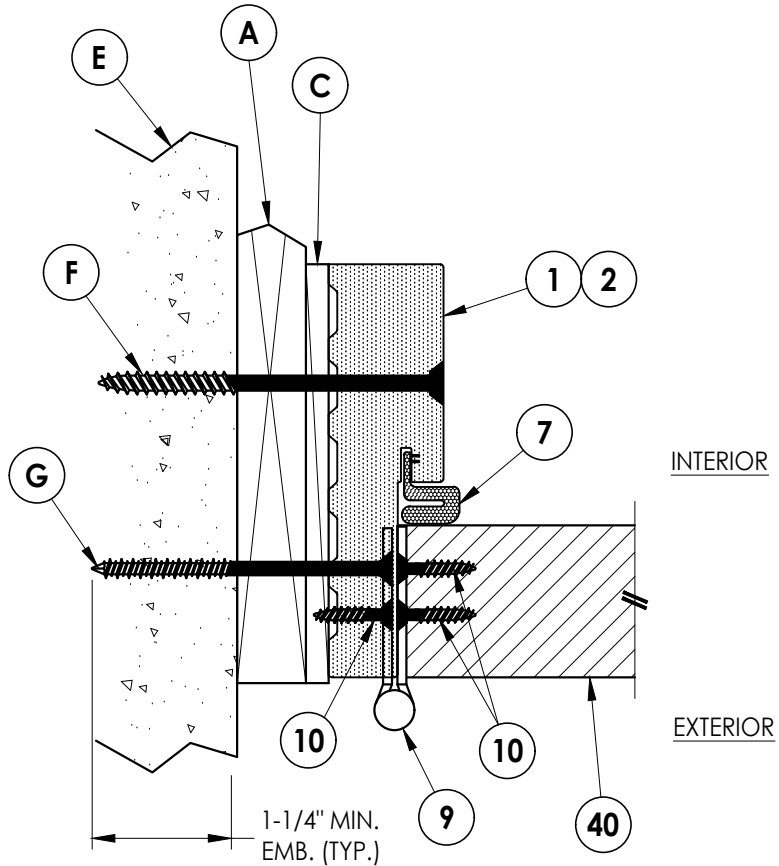
PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

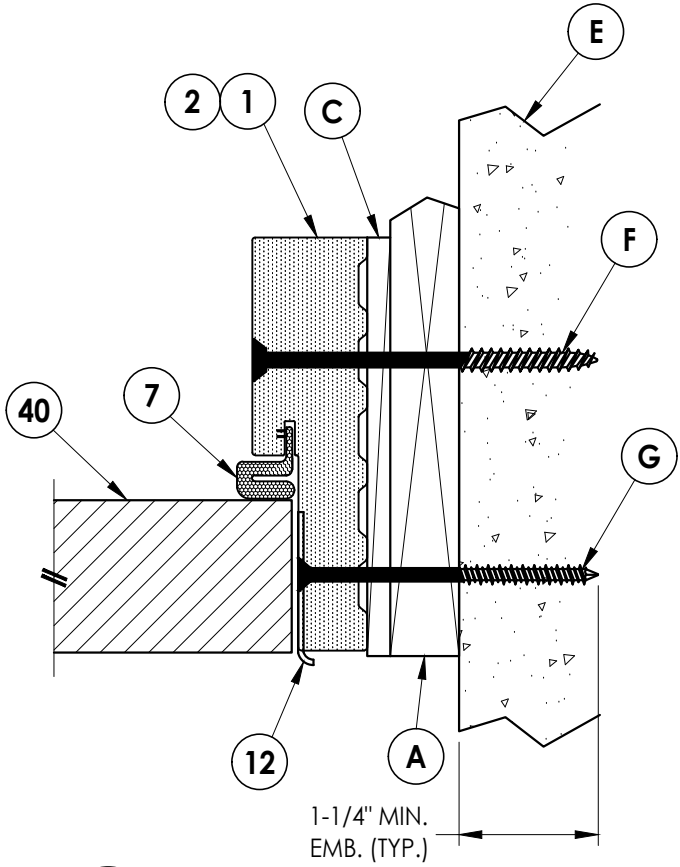
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1	1/14/25			

DATE: 3/27/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46119.7
SHEET 8 OF 14

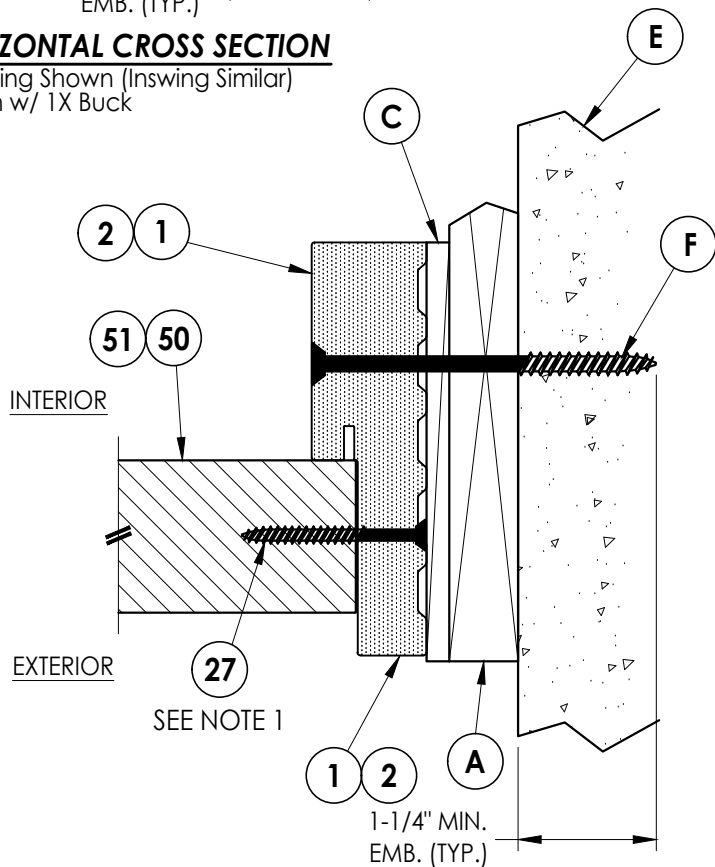
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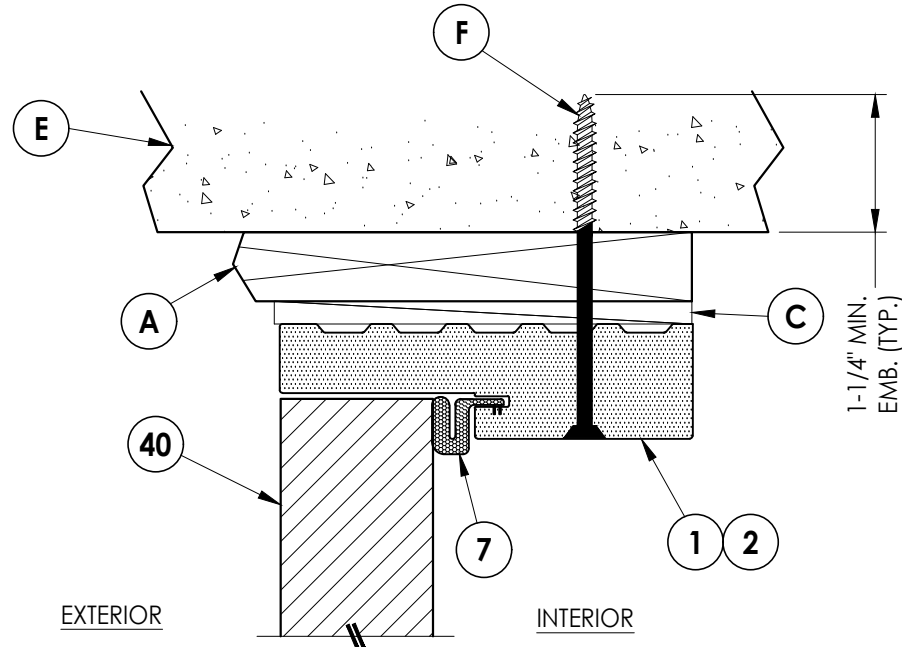
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9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



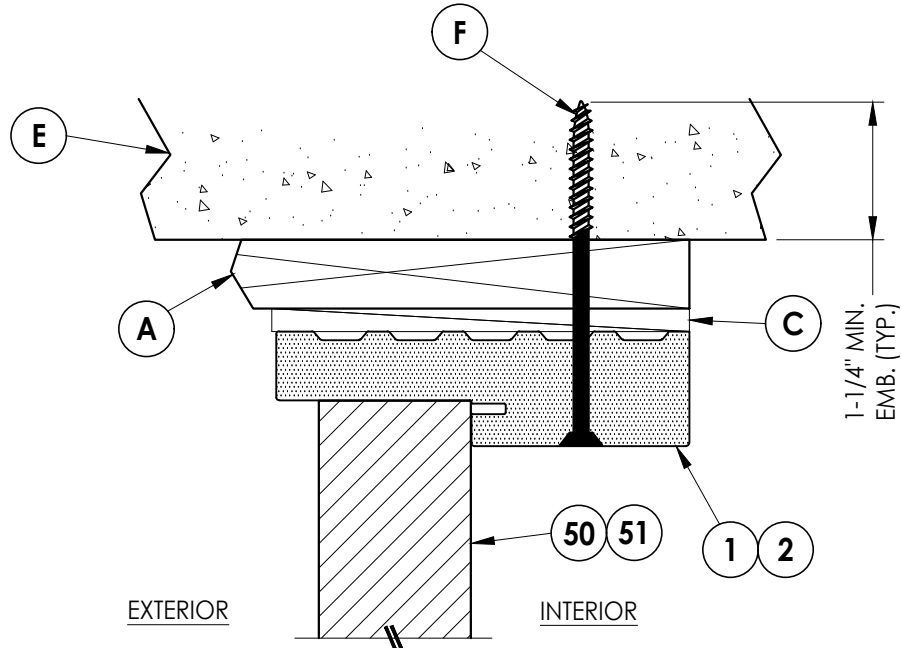
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9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



3
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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



5
9 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

NOTE:

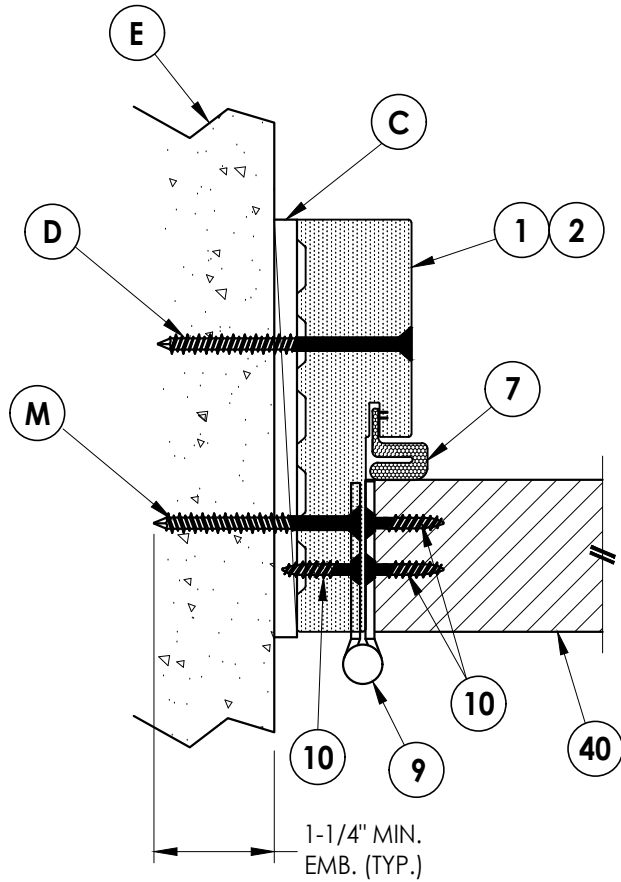
1. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH
END PLUS 5 MORE EQUALLY SPACED (7 TOTAL).

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

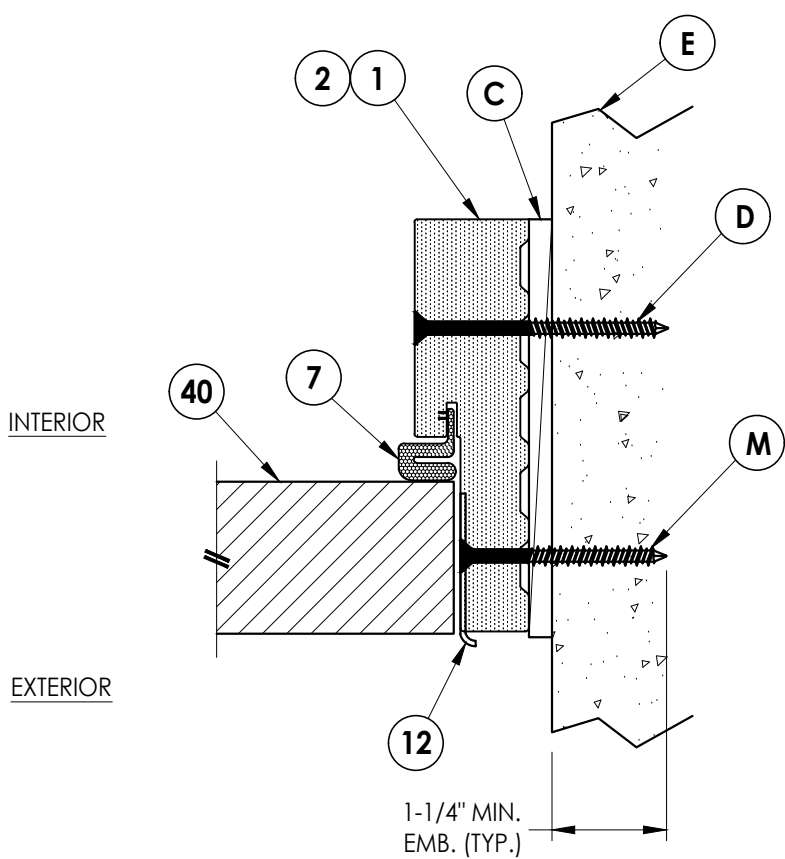
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		ODL		FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL		CROSS SECTIONS (1X BUCK)	
NO.	DATE	ADD	OPT.	GLAZING DETAILS	REVISIONS
1	1/14/25				LFS
					BY
DATE: 3/27/24					
SCALE: N.T.S.					
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-46119.7					
SHEET 9 OF 14					

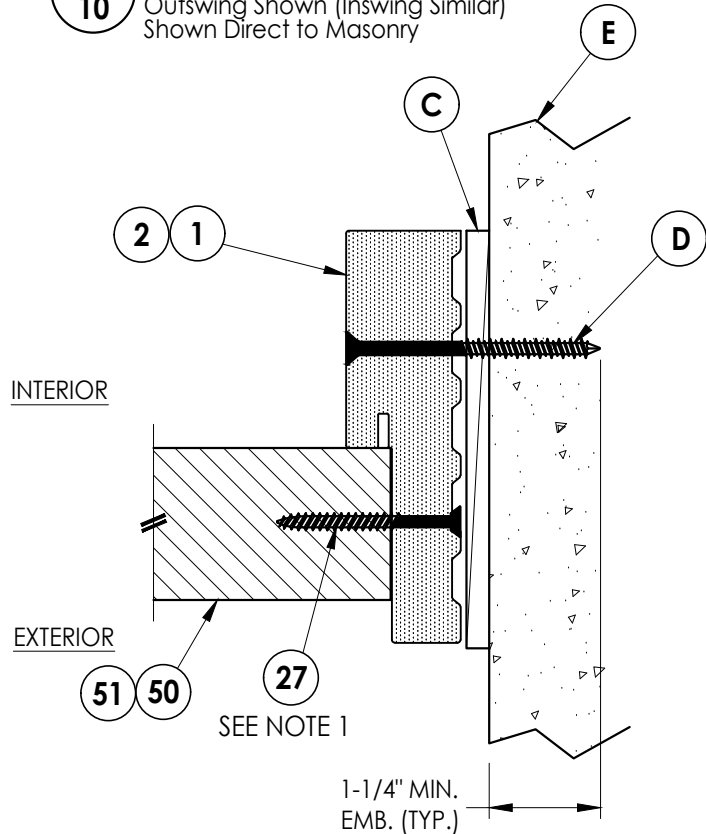
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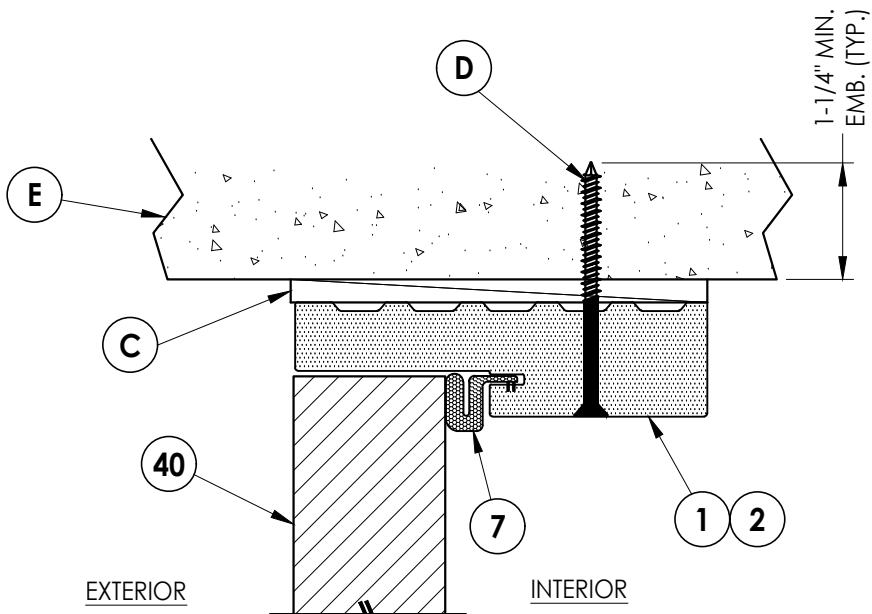
1 HORIZONTAL CROSS SECTION
10 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



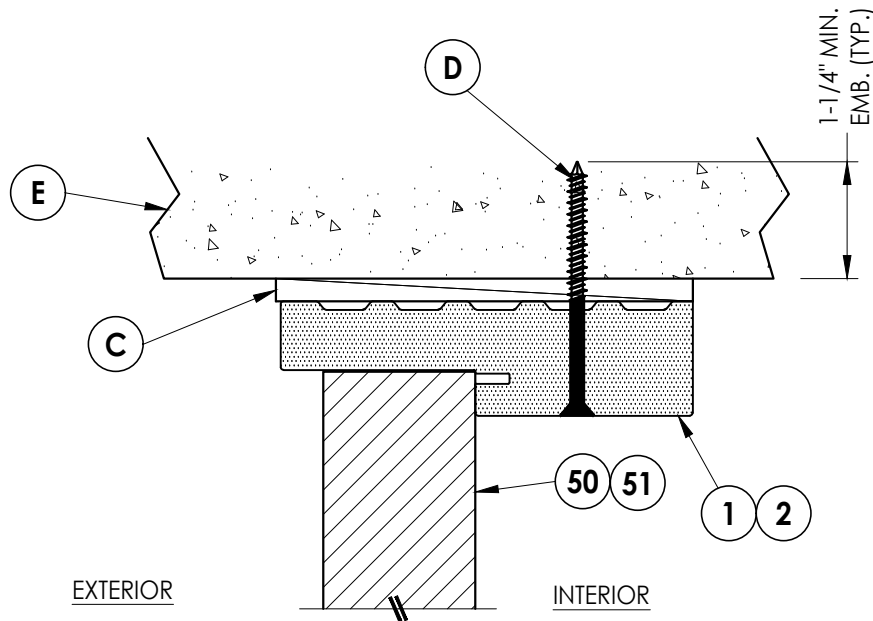
2 HORIZONTAL CROSS SECTION
10 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



3 HORIZONTAL CROSS SECTION
10 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



5 VERTICAL CROSS SECTION
10 Outswing Shown (Inswing Similar)
Shown Direct to Masonry

NOTE:

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

Documents Prepared By:
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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: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

REVISIONS		DATE		BY	
1	1/14/25	ADD OPT. GLAZING DETAILS	LFS	BY	

DATE: 3/27/24

SCALE: N.T.S.

DWG. BY: LFS

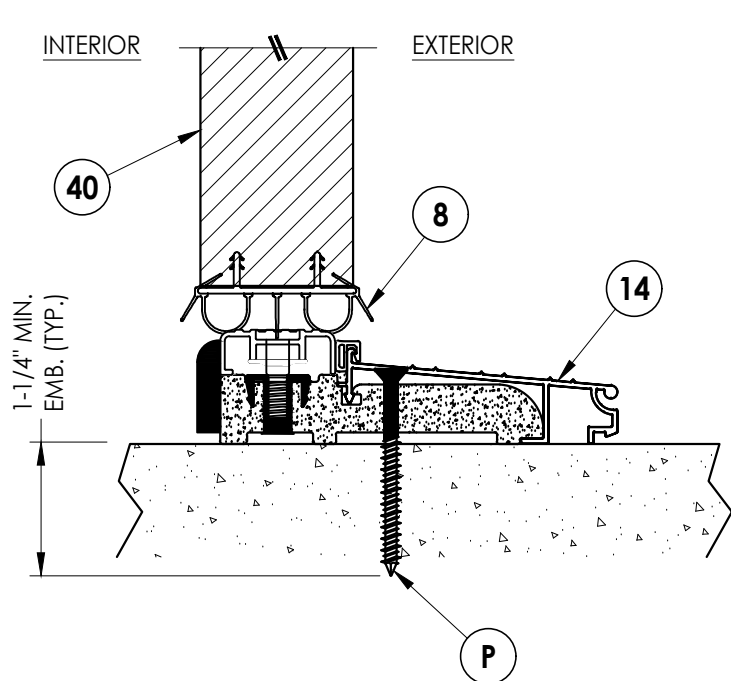
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DRAWING NO.:

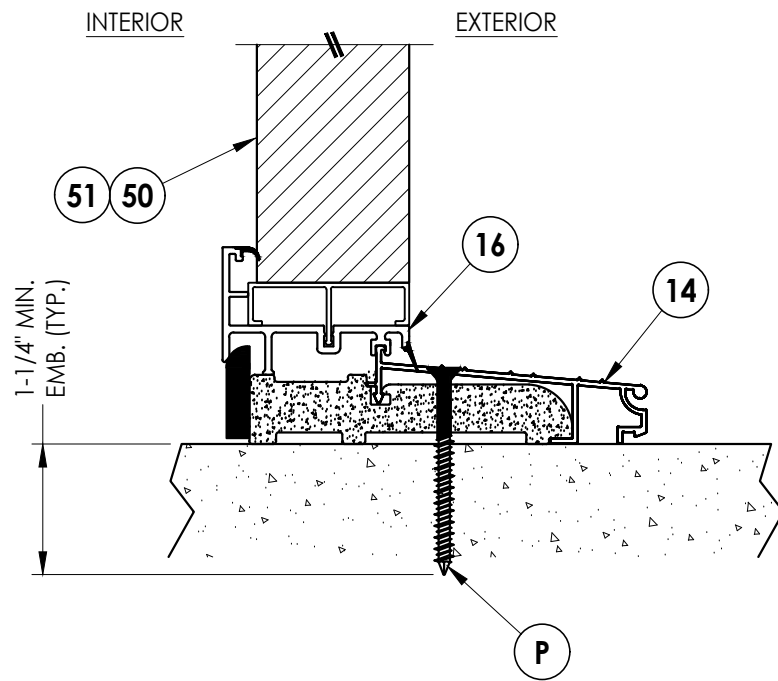
FL-46119.7

SHEET 10 OF 14

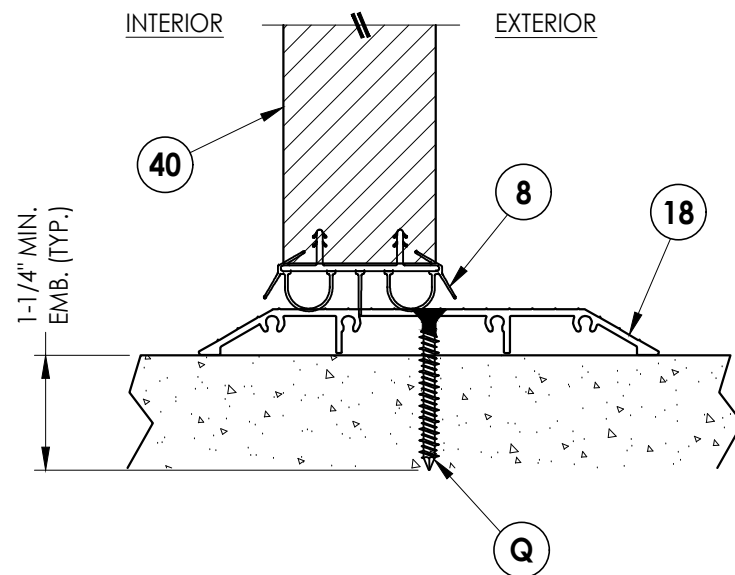
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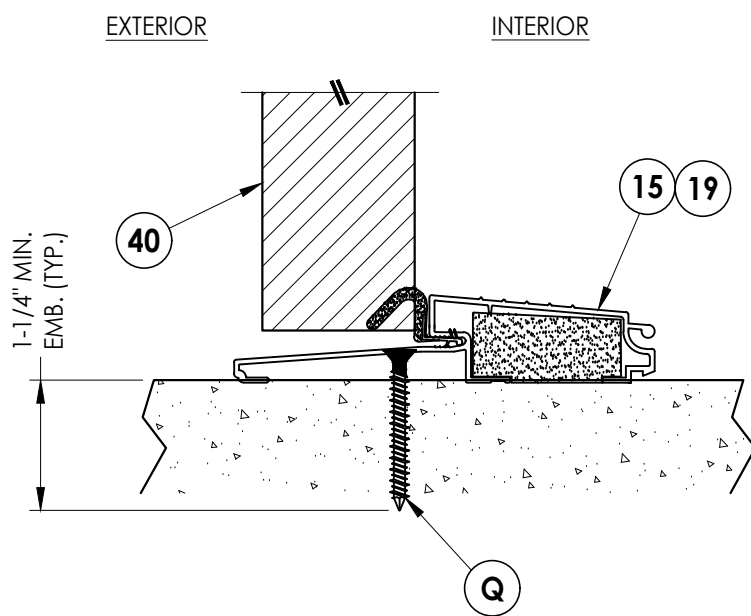
1
11 **VERTICAL CROSS SECTION**
Inswing Sill



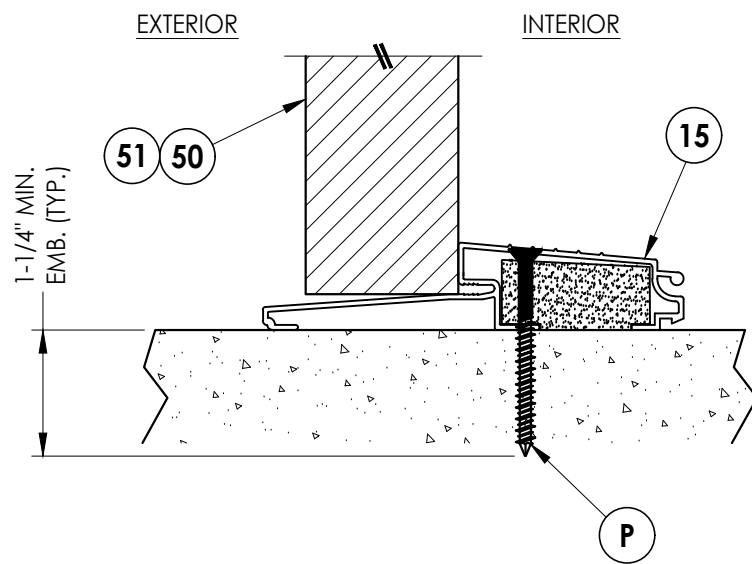
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11 **VERTICAL CROSS SECTION**
Inswing Sill



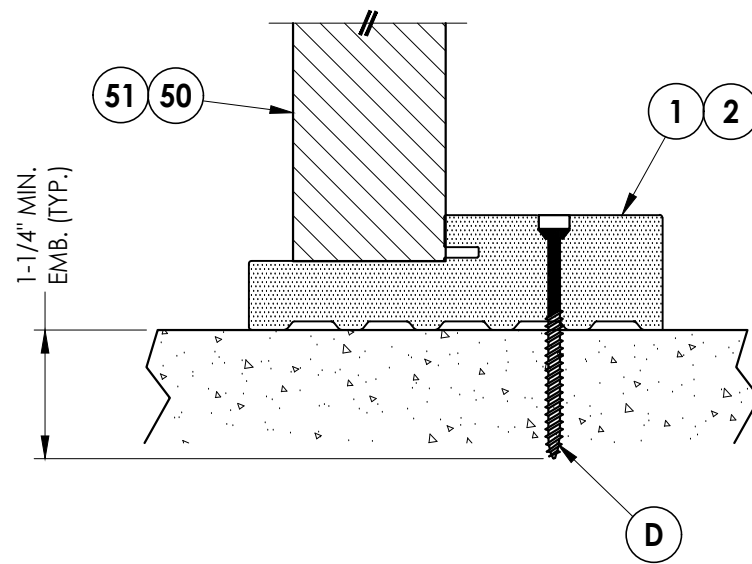
5
11 **VERTICAL CROSS SECTION**
ADA Sill



2
11 **VERTICAL CROSS SECTION**
Outswing Sill



4
11 **VERTICAL CROSS SECTION**
Outswing Sill



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

Documents Prepared By:
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P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
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PRODUCT: ODL
FIBERGLASS DOOR

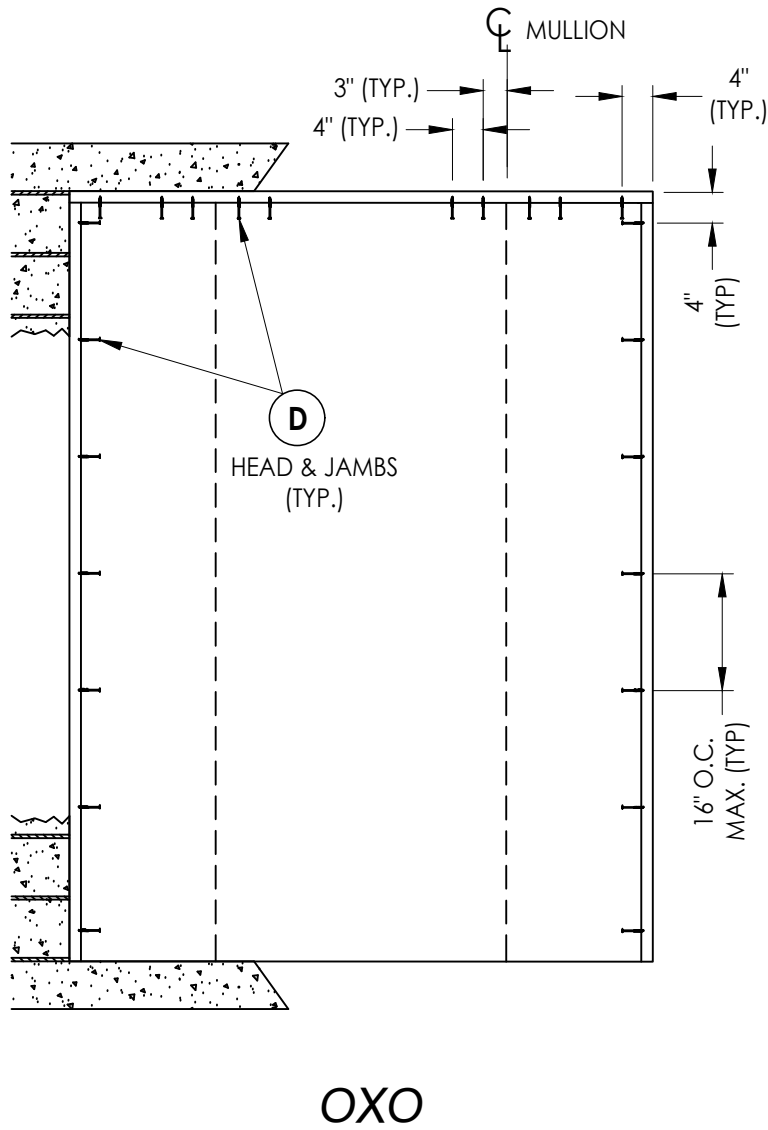
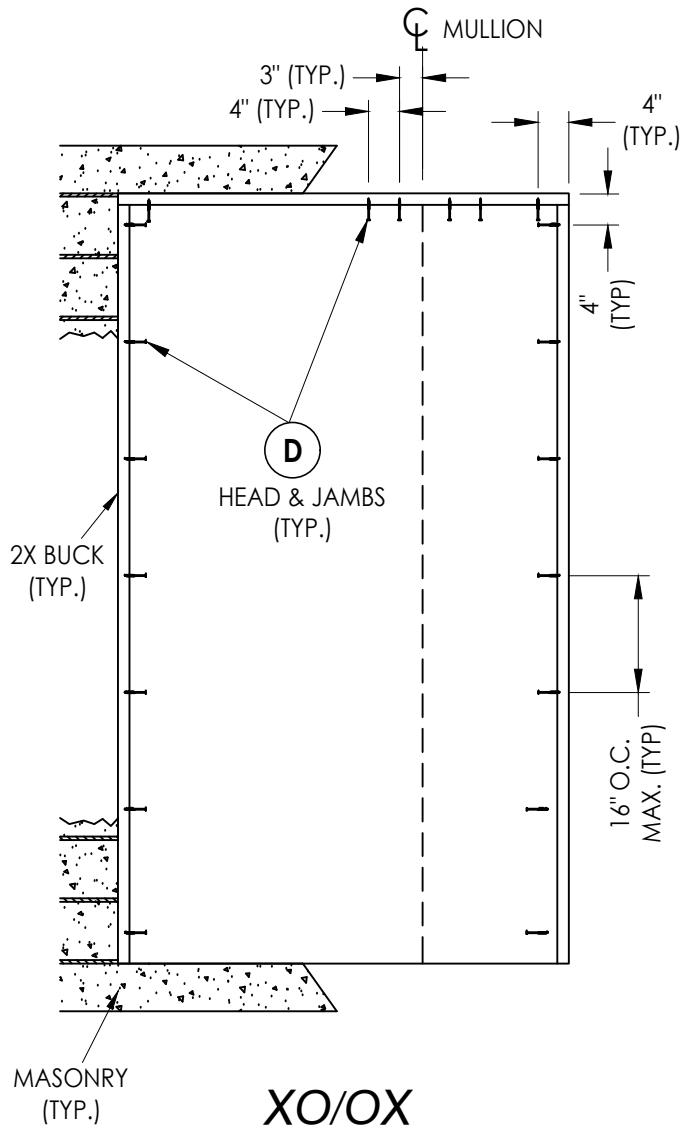
PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	ADD	OPT.	GLAZING DETAILS	LFS	BY
1	1/14/25					

REVISIONS

DATE:	3/27/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46119.7
SHEET	11 OF 14

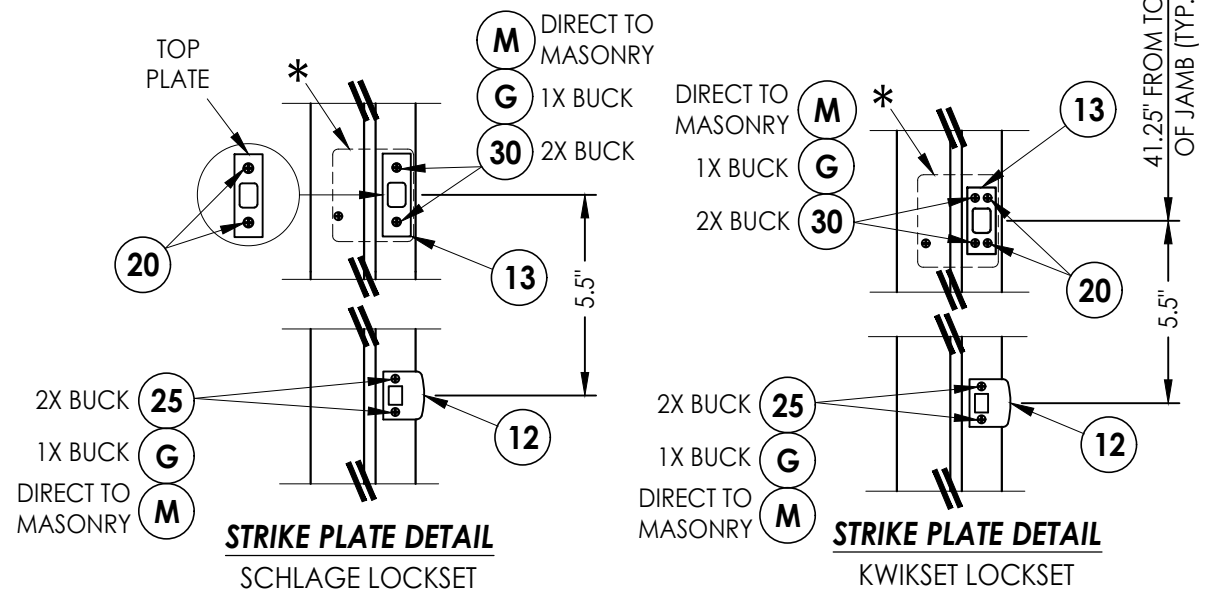
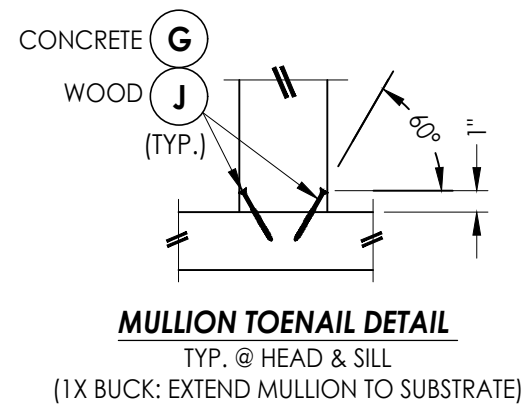
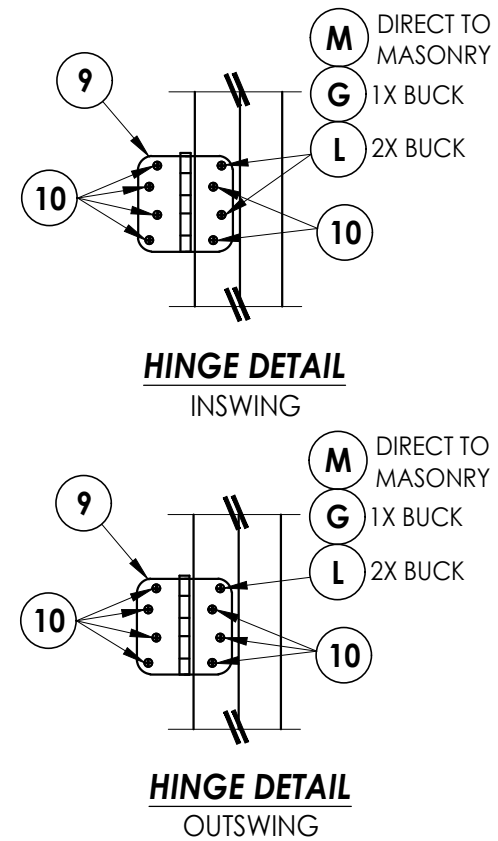
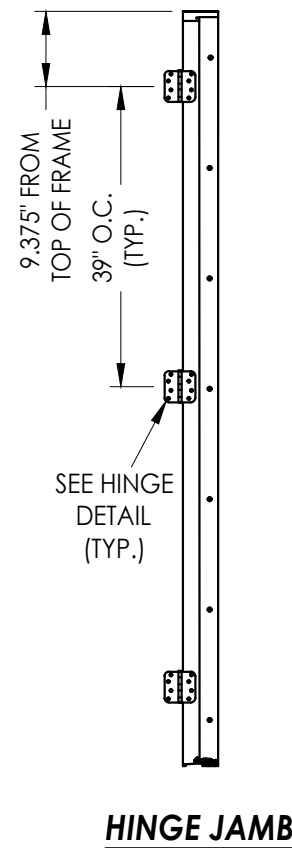
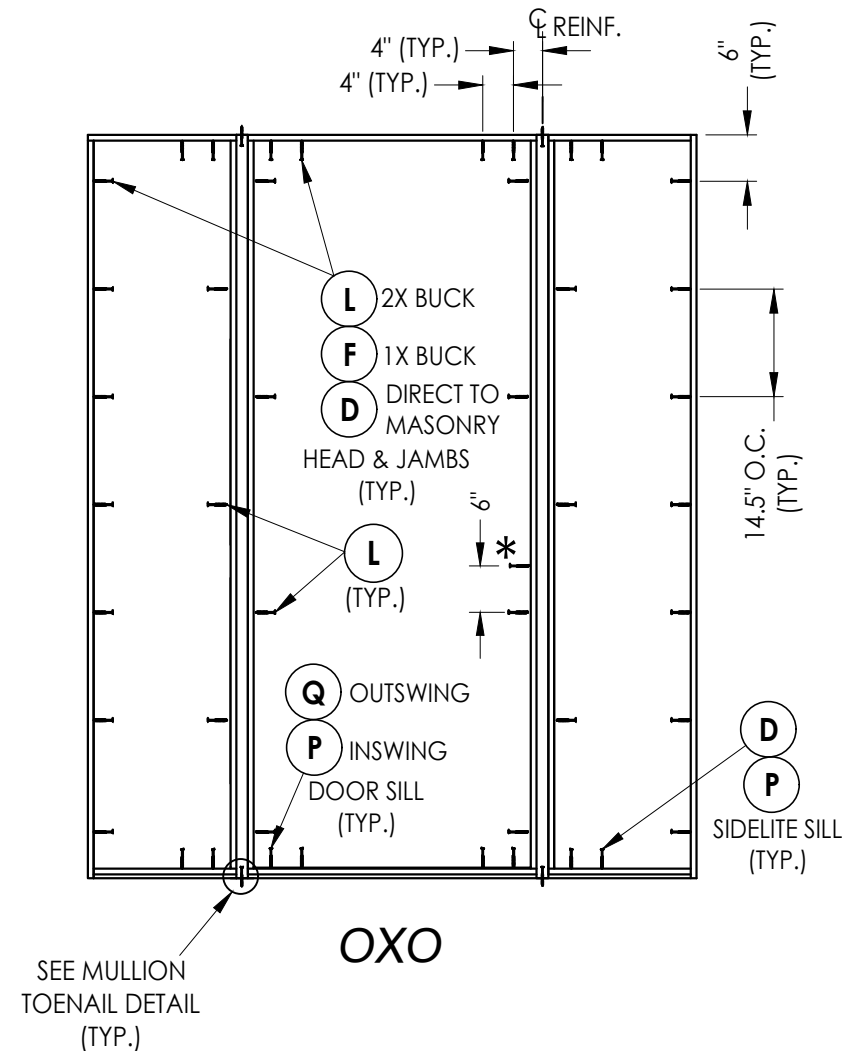
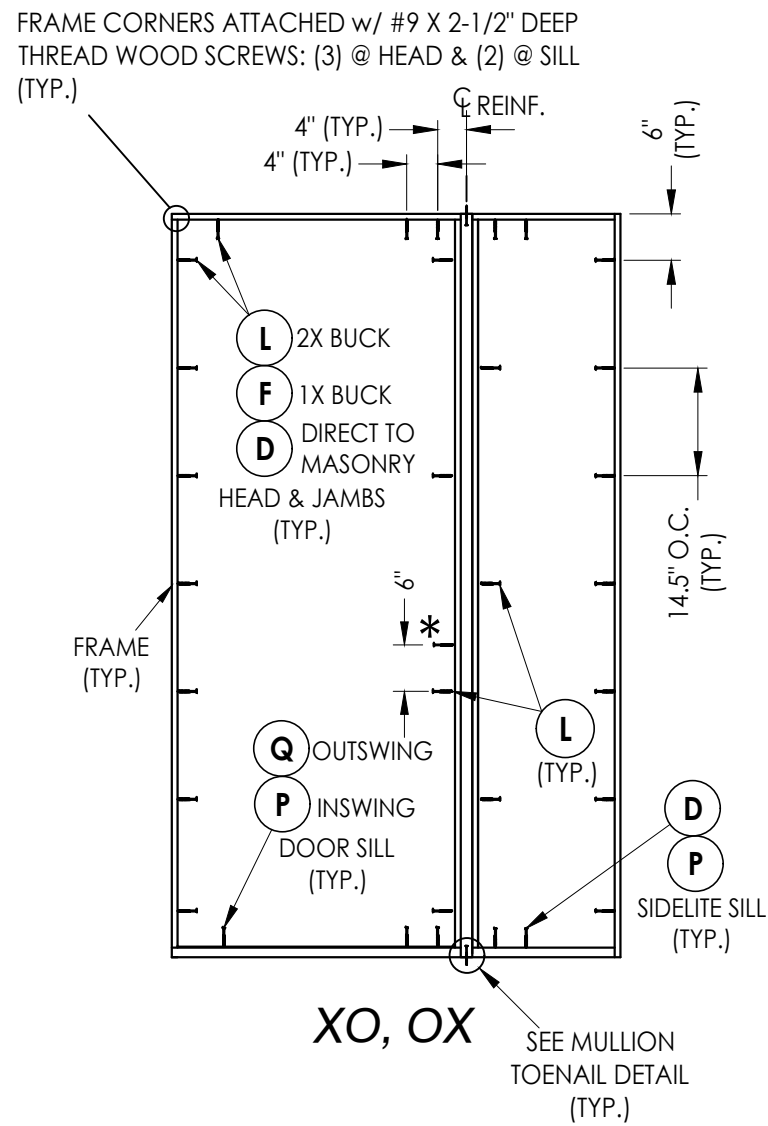
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2X BUCK ANCHORING

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: BUCK ANCHORING			
				LFS	BY
				REVISIONS	
				1	1/14/25
				NO.	DATE
				ADD OPT. GLAZING DETAILS	
DATE: 3/27/24		SCALE: N.T.S.		DWG. BY: LFS	
				CHK. BY: RW	
				DRAWING NO.: FL-46119.7	
				SHEET 12 OF 14	

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* 4" X 4" 20 GA. STEEL PLATE ATTACHED TO BACK OF JAMB w/ (2)
3/8" T50 STAPLES PLUS ADDITIONAL ANCHOR THRU LATCH JAMB

HARDWARE DETAILS

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

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
**FRAME ANCHORING
& HARDWARE DETAILS**

1	1/14/25	ADD OPT. GLAZING DETAILS	LFS	
NO.	DATE		BY	
				REVISIONS

DATE: 3/27/24

SCALE: *N.T.S.*

DWG. BY: *LFS*

CHK. BY: *RW*

DRAWING NO.:

FL-46119.7

SHEET 13 OF 14

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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
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 (SG = 0.55)	WOOD
1	COMPOSITE JAMB	COMP
2	WOOD JAMB	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	PVC
18	ADA THRESHOLD	ALUM
19	ADA OUTSWING THRESHOLD	ALUM
20	#8 X 1/2" PFH WOOD SCREW	STEEL
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
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

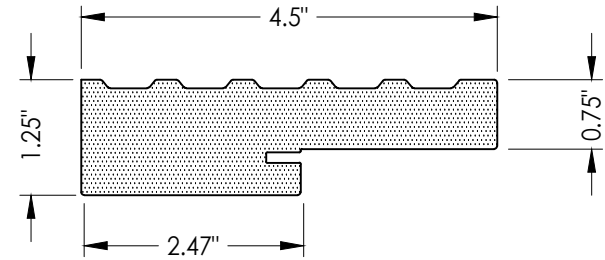
CONCRETE ANCHOR NOTES:

- 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:

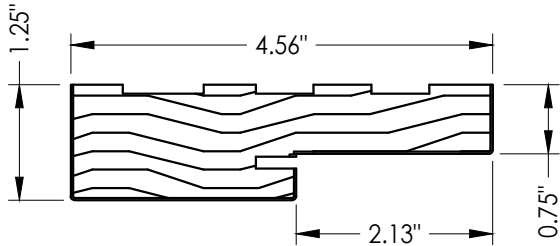
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

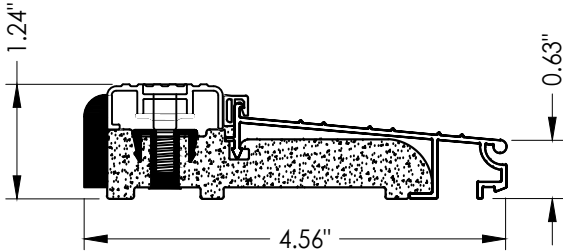
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



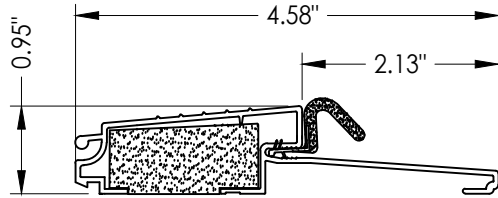
1 COMPOSITE JAMB
STARLINK SURE JAMB



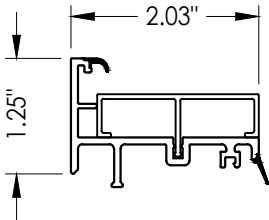
2 WOOD JAMB
FINGER JOINTED PINE



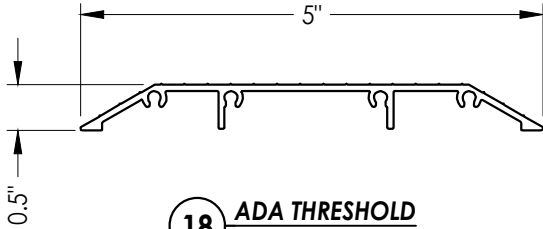
14 INSWING THRESHOLD
AFCO A-276



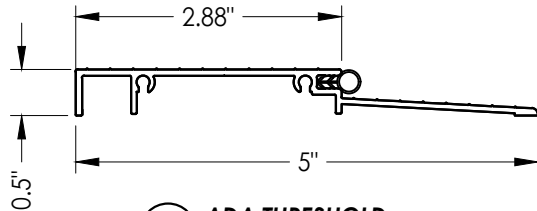
15 OUTSWING THRESHOLD
AFCO A-117



16 INSWING SIDELITE BASE
AFCO



18 ADA THRESHOLD
AFCO A-204



19 ADA THRESHOLD
AFCO A-204T

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	ADD OPT. GLAZING DETAILS	LFS	BY
1	1/14/25			

REVISIONS

DATE: 3/27/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46119.7

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