

Z:\2023 FBC Drawings\ODL, Inc\FL-46120\FL-46120.8.dwg



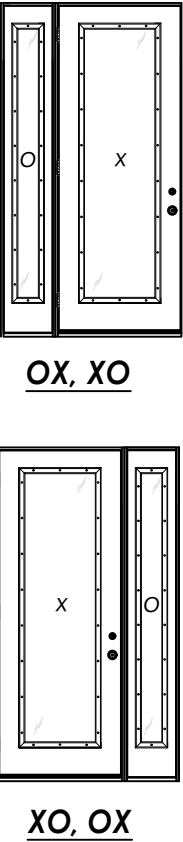
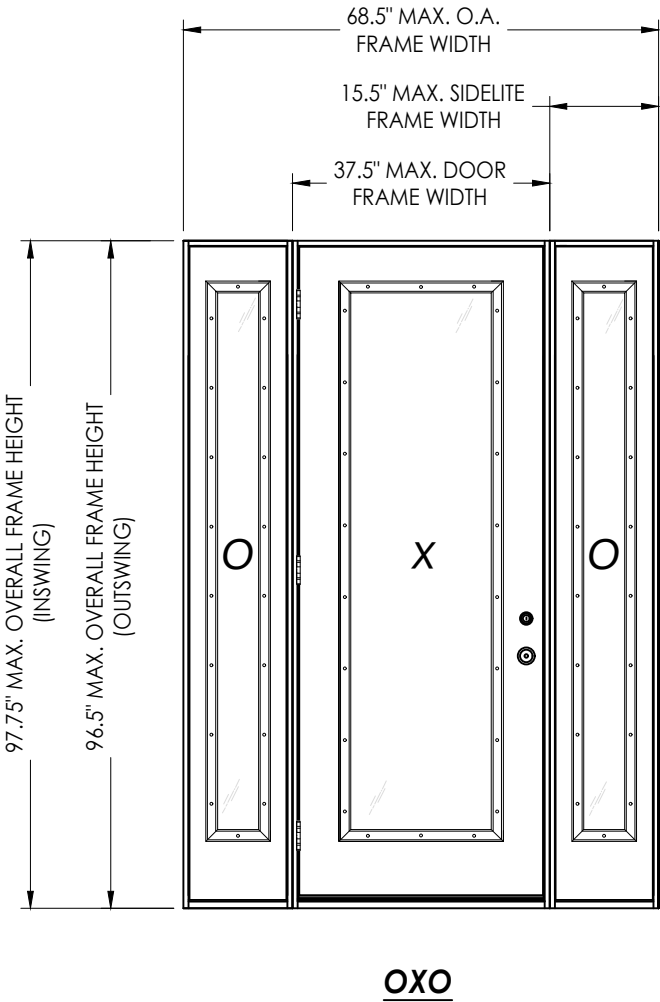
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

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

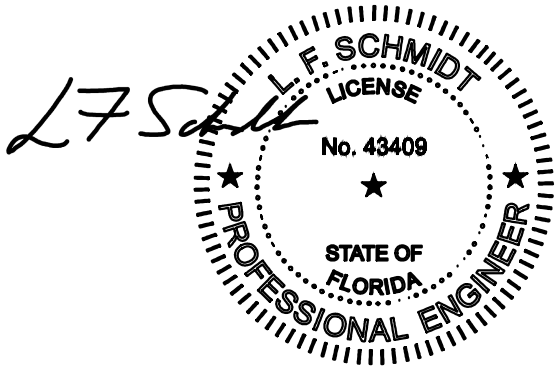
GENERAL NOTES

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 (1X Buck)
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3	Sidelite Panel Details	10	Vertical Cross Sections (Thresholds)
4	Life Frame Glazing Details	11	Buck Anchoring
5	Elevations	12	Frame Anchoring & Hardware Details
6	Horizontal Cross Sections	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (2X Buck)		



CONFIGURATION	MAX. FRAME DIMENSION	JAMB MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO	53.0" x 97.75"	WOOD	+40.0	-45.0	+45.0	-45.0
OXO	68.5" x 97.75"		+40.0	-45.0	+45.0	-45.0
OX, XO	53.0" x 97.75"	COMPOSITE	+40.0	-45.0	+50.0	-50.0
OXO	68.5" x 97.75"		+40.0	-45.0	+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.

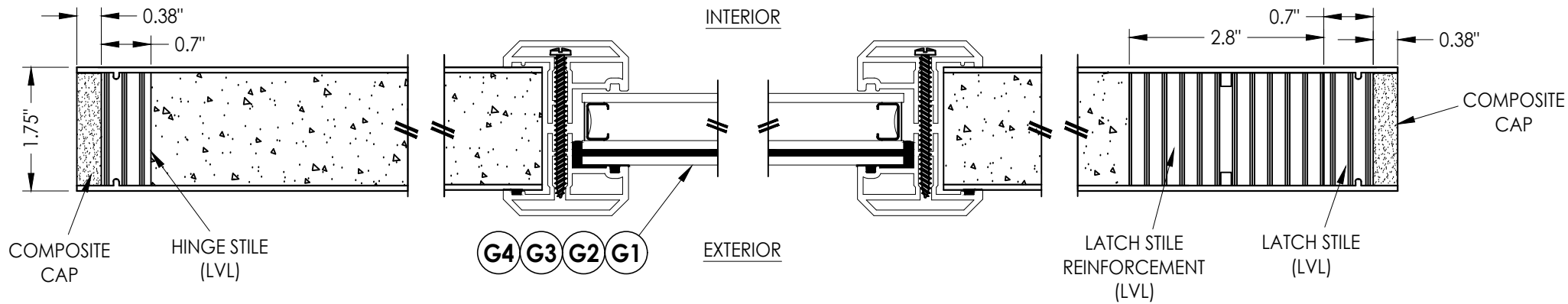
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

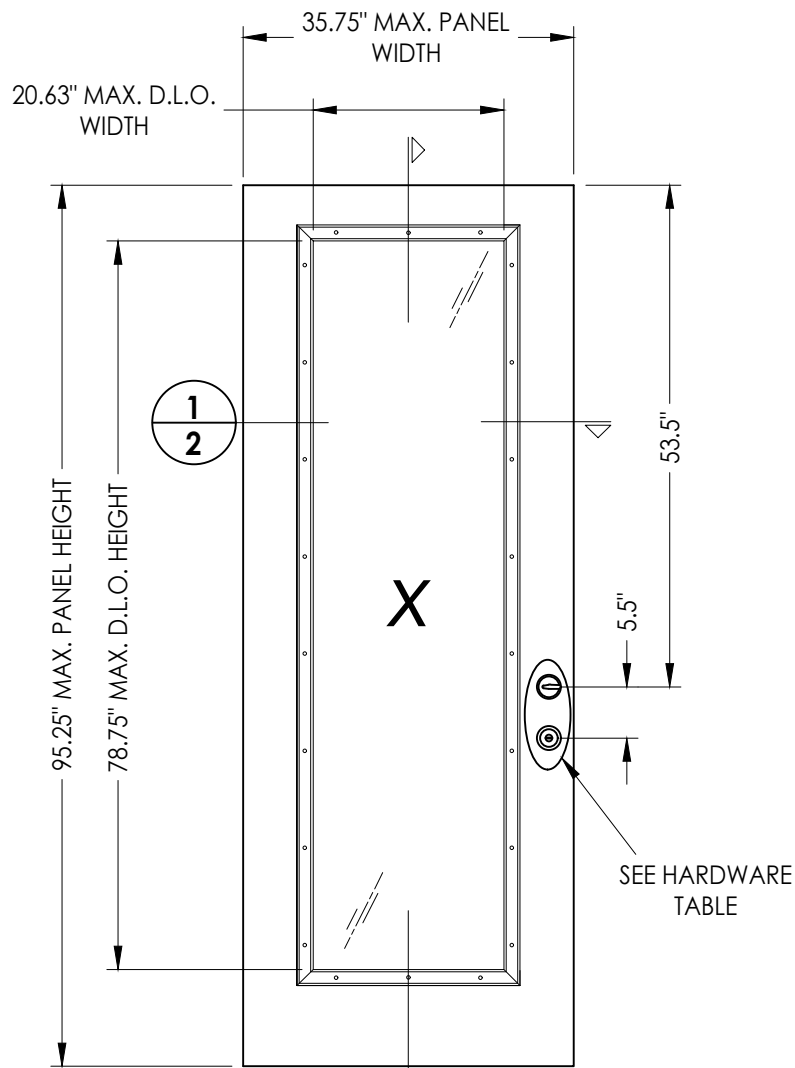
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		ODL FIBERGLASS DOOR	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	REVISIONS	
DATE: 5/14/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46120.8			
SHEET 1 OF 13			

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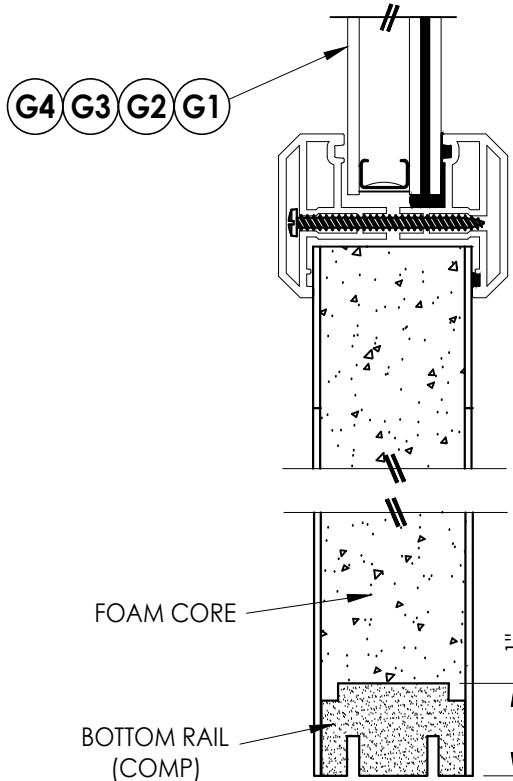
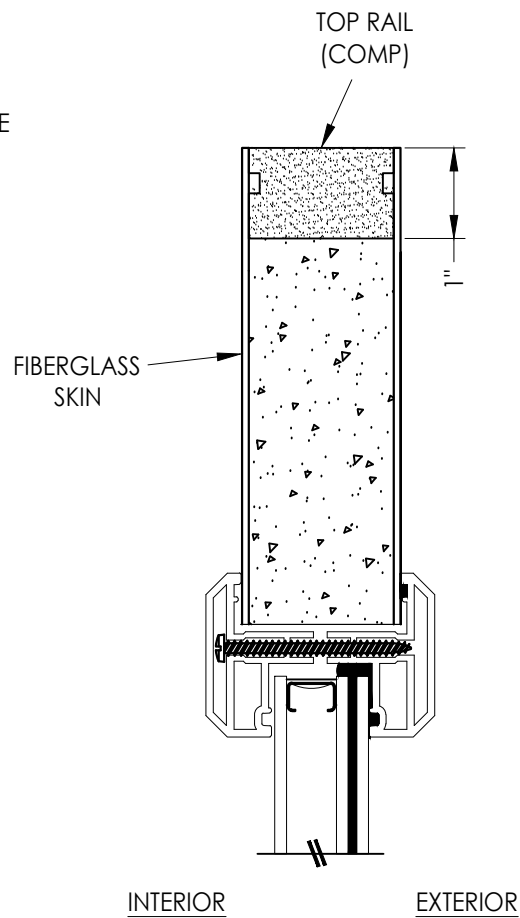
1
2 **HORIZONTAL CROSS SECTION**



40 **FIBERGLASS DOOR PANEL**
ODL w/ FLAT ALUM. LITE FRAME

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



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

DATE: 5/14/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46120.8
SHEET 2 OF 13

0.38"

0.7"

1.75"

COMPOSITE CAP

HINGE STILE (LVL)

G1 G2 G3 G4

INTERIOR

EXTERIOR

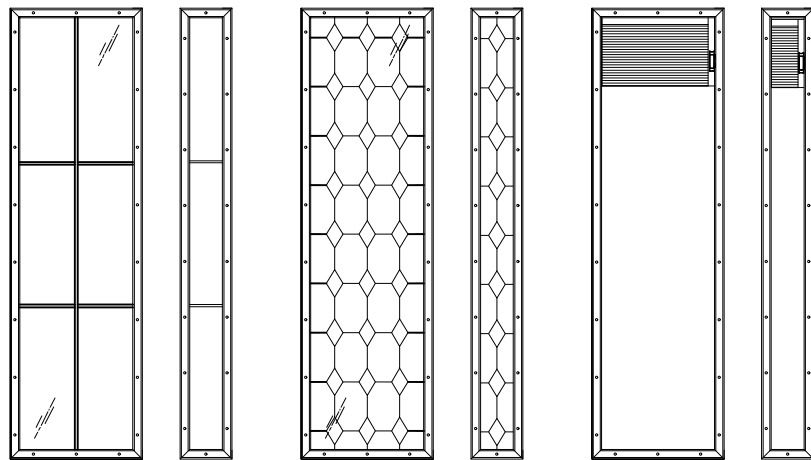
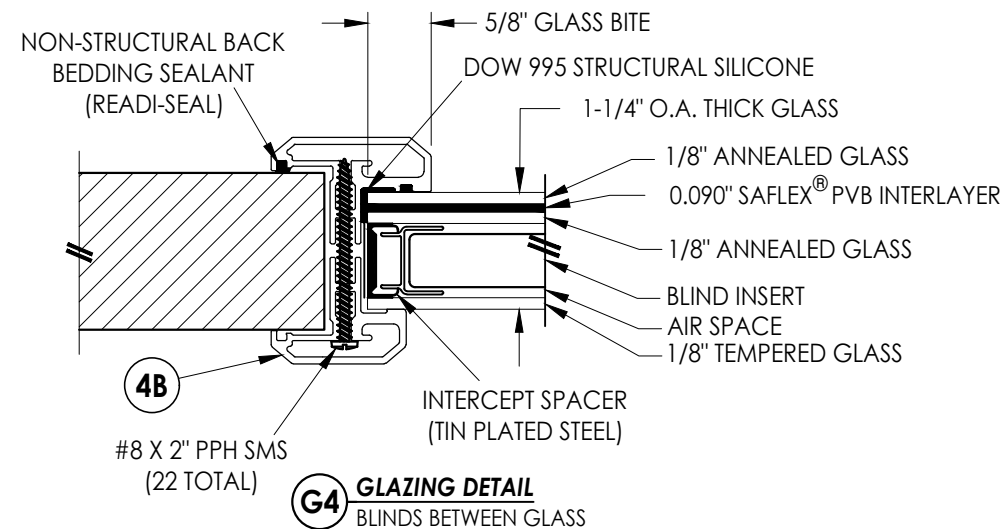
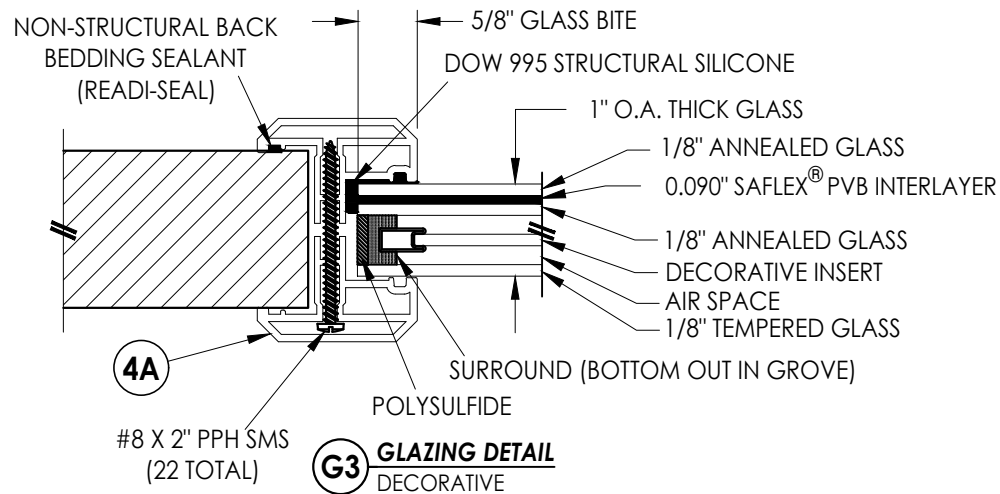
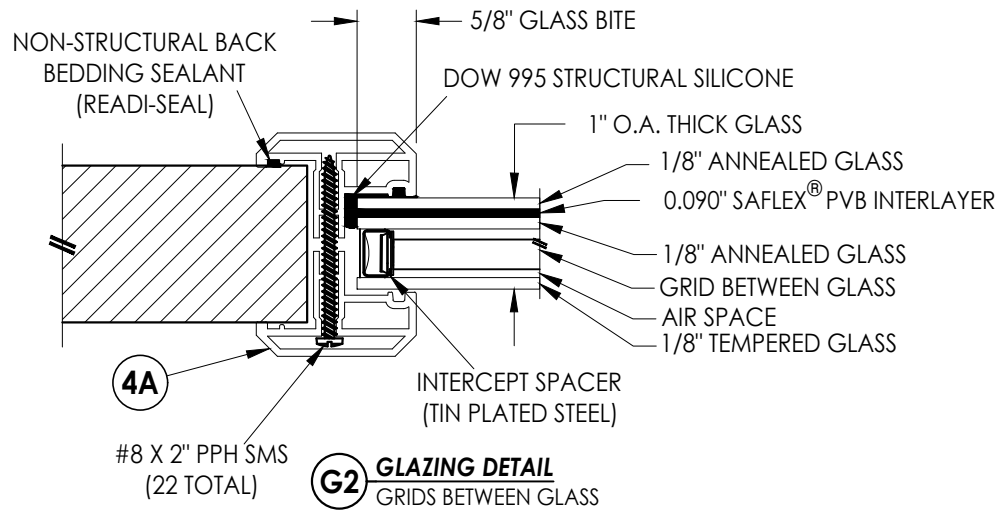
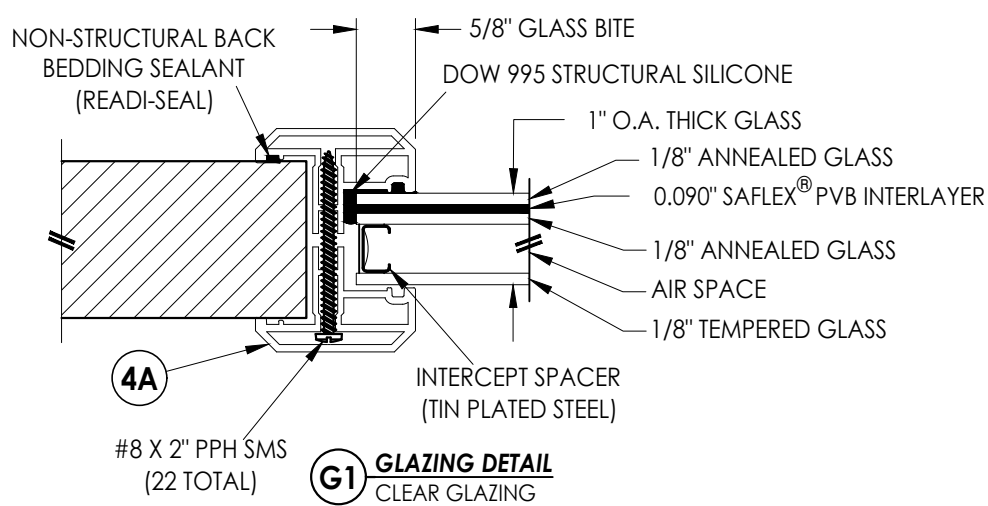
1

3

HORIZONTAL CROSS SECTION

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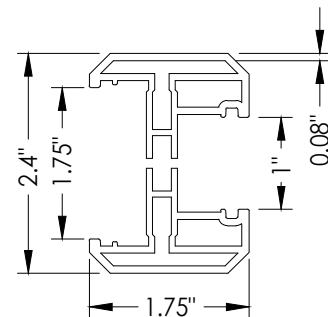


GRIDS BETWEEN GLASS

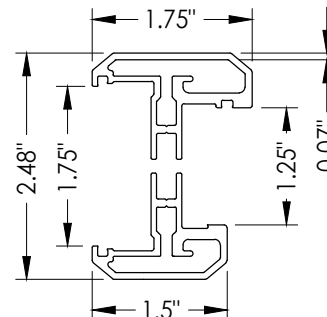
DECORATIVE

BLINDS BETWEEN GLASS

ALTERNATE GLAZING DETAILS



4A ODL FLAT ALUMINUM LITE FRAME
1" GLAZING



4B ODL FLAT ALUMINUM LITE FRAME
1-1/4" GLAZING

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:
LITE FRAME
GLAZING DETAILS

NO.	DATE	BY	REVISIONS

DATE: 5/14/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46120.8

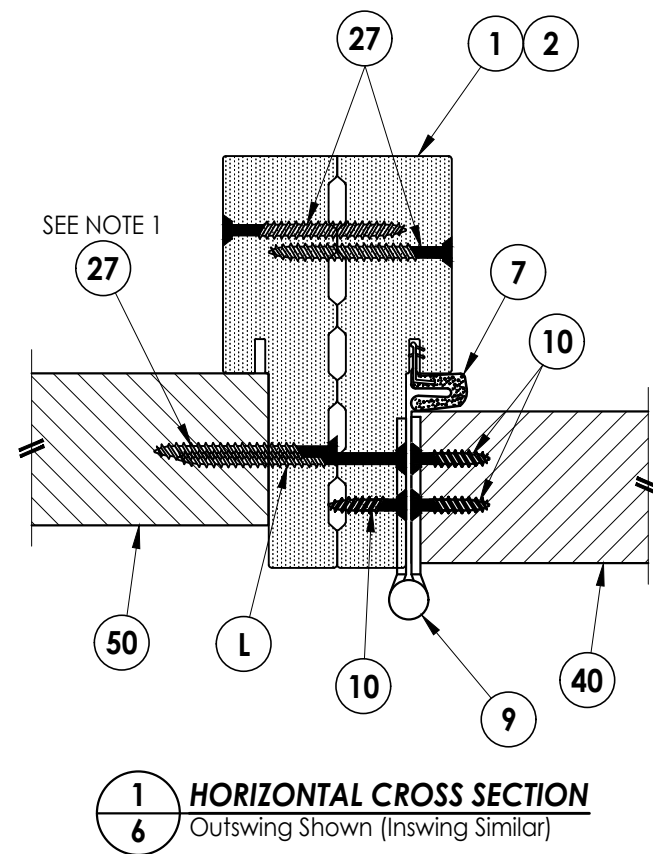
SHEET 4 OF 13

Technical drawing of a double door elevation. The drawing shows two doors, labeled 'O' (left) and 'X' (right). Dimensions are provided in circles with fractions, indicating measurements in feet and inches. The top dimensions are 5/7, 5/8, 5/9, 4/7, 4/8, and 4/9. The bottom dimensions are 3/10, 4/10, 6/10, 1/10, 2/10, and 5/10. The right side dimensions are 2/7, 2/8, and 2/9. The drawing also includes a central dimension of 1/6. The label 'ELEVATION OX' is at the bottom.

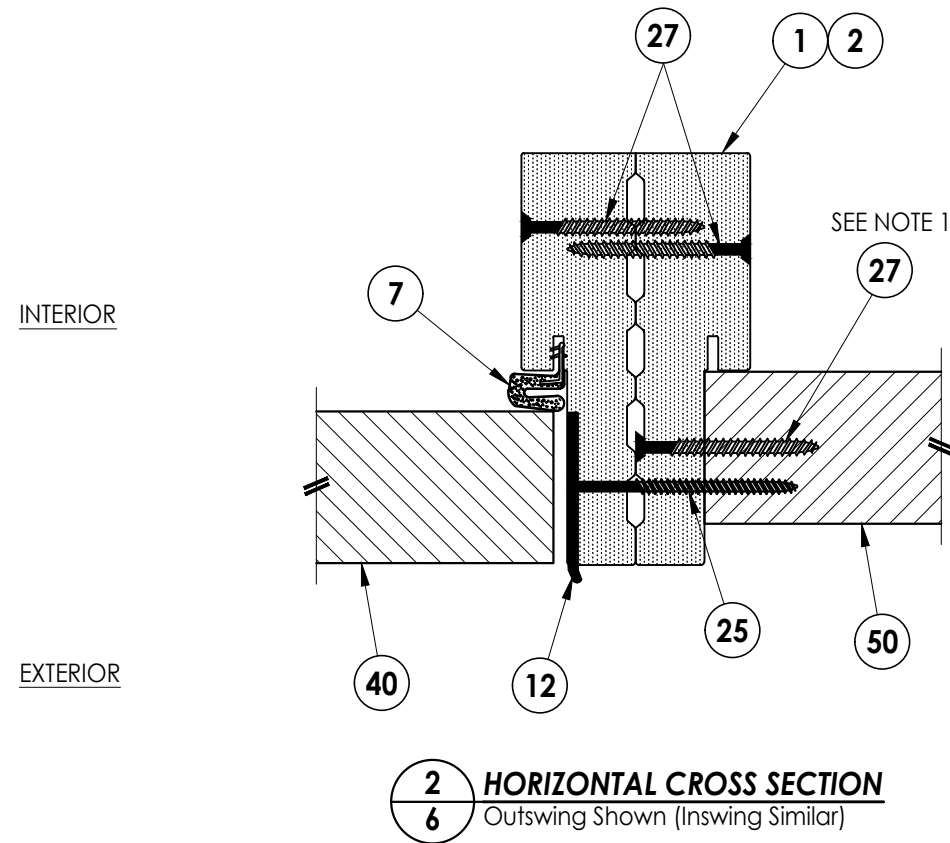
The diagram shows a three-door elevator car layout. The central door is labeled 'X' and the side doors are labeled 'O'. Callouts 1-10 are distributed as follows:

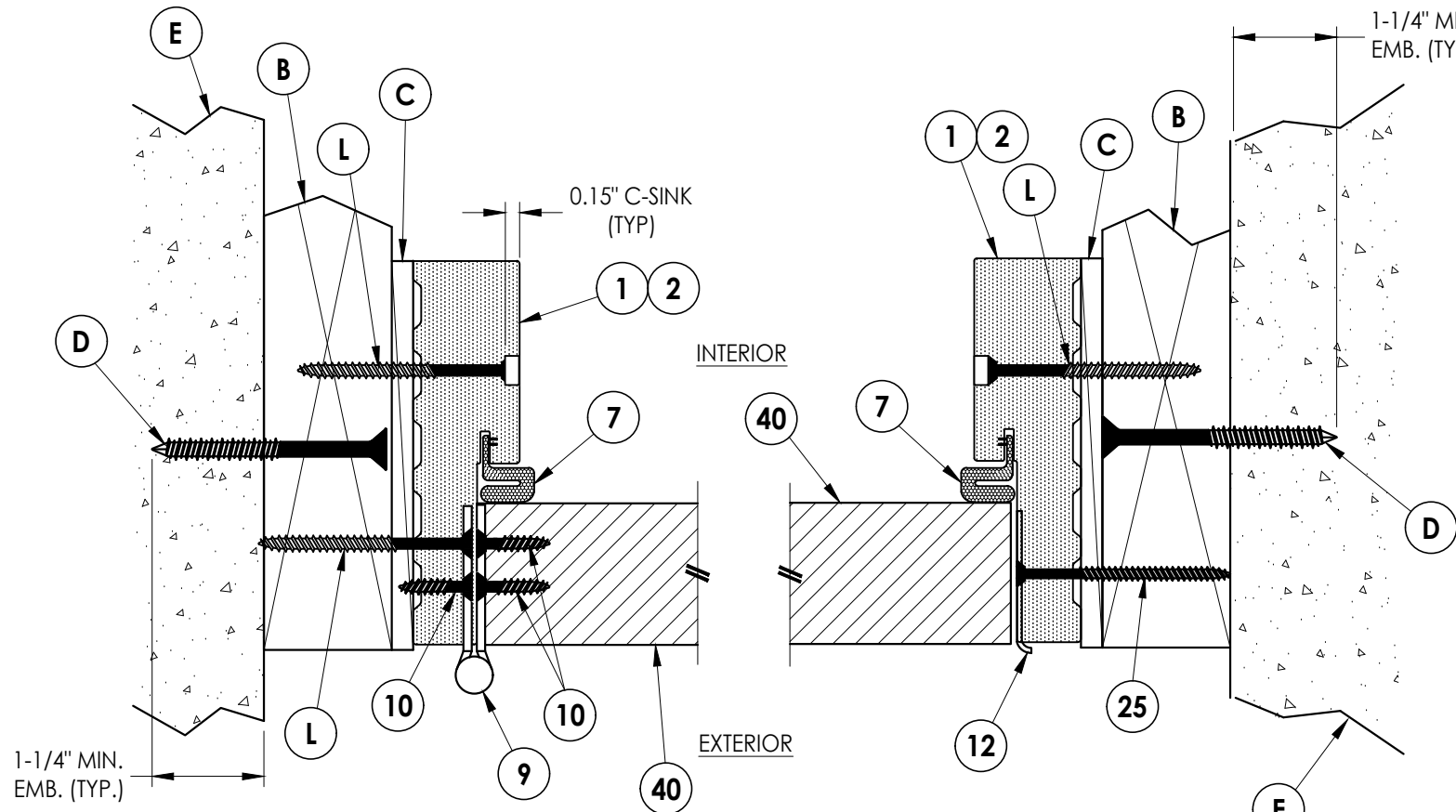
- Callout 1:** Top left of the central door.
- Callout 2:** Top right of the central door.
- Callout 3:** Top left of the left side door.
- Callout 4:** Top right of the left side door.
- Callout 5:** Top left of the right side door.
- Callout 6:** Top right of the right side door.
- Callout 7:** Bottom left of the central door.
- Callout 8:** Bottom right of the central door.
- Callout 9:** Bottom left of the left side door.
- Callout 10:** Bottom right of the left side door.

DATE: 5/14/24		PRODUCT: ODL FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: ELEVATIONS		<i>RW</i> 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-46120.8					
SHEET 5 OF 13					



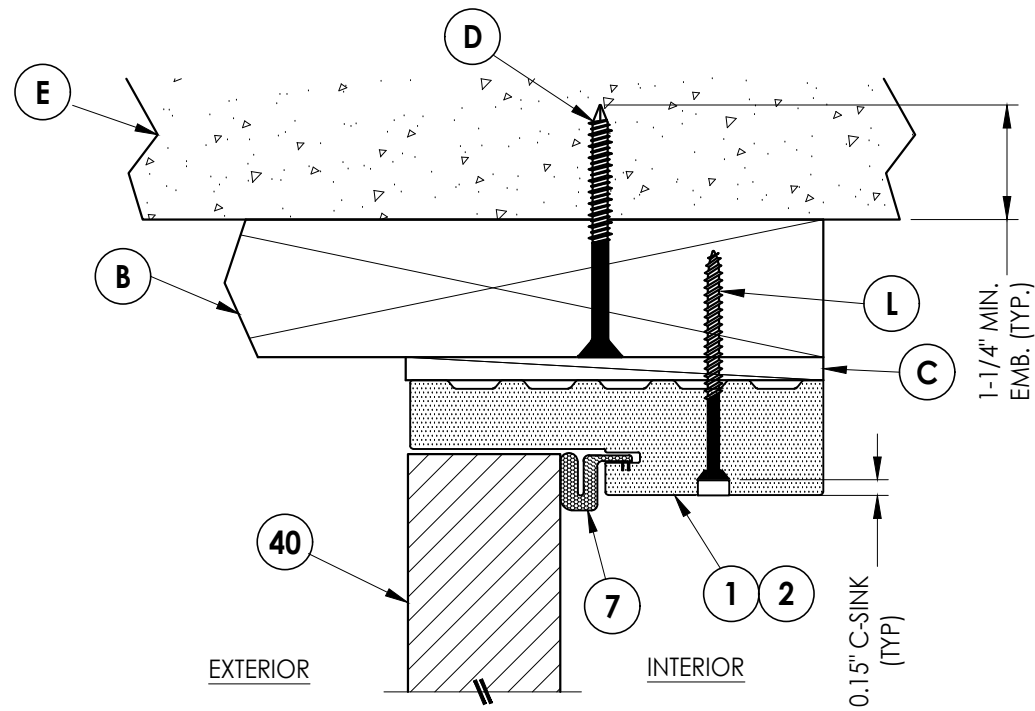
NOTE:
1. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH
END PLUS 5 MORE EQUALLY SPACED (7 TOTAL).

[illegible]

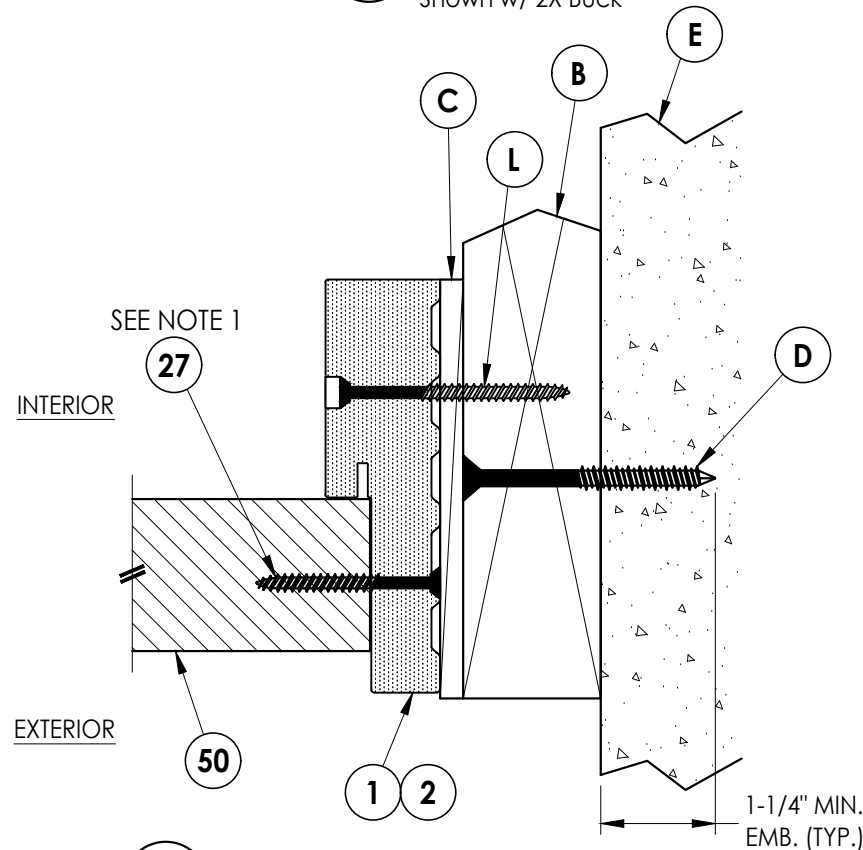


1
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

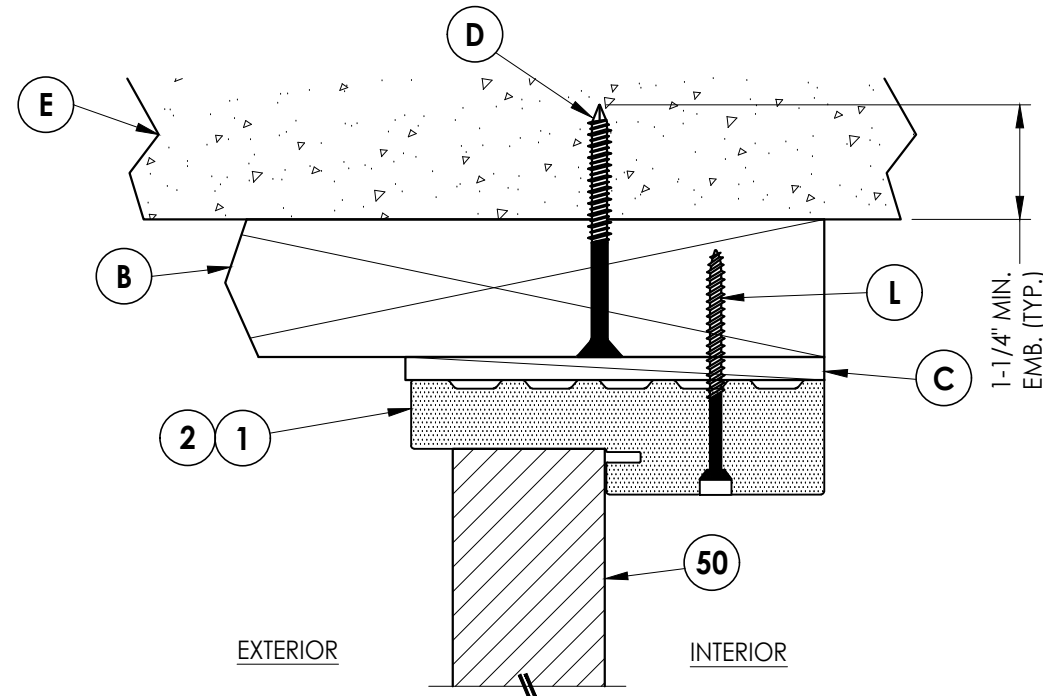
2
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



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



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



5
7 **VERTICAL 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).

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

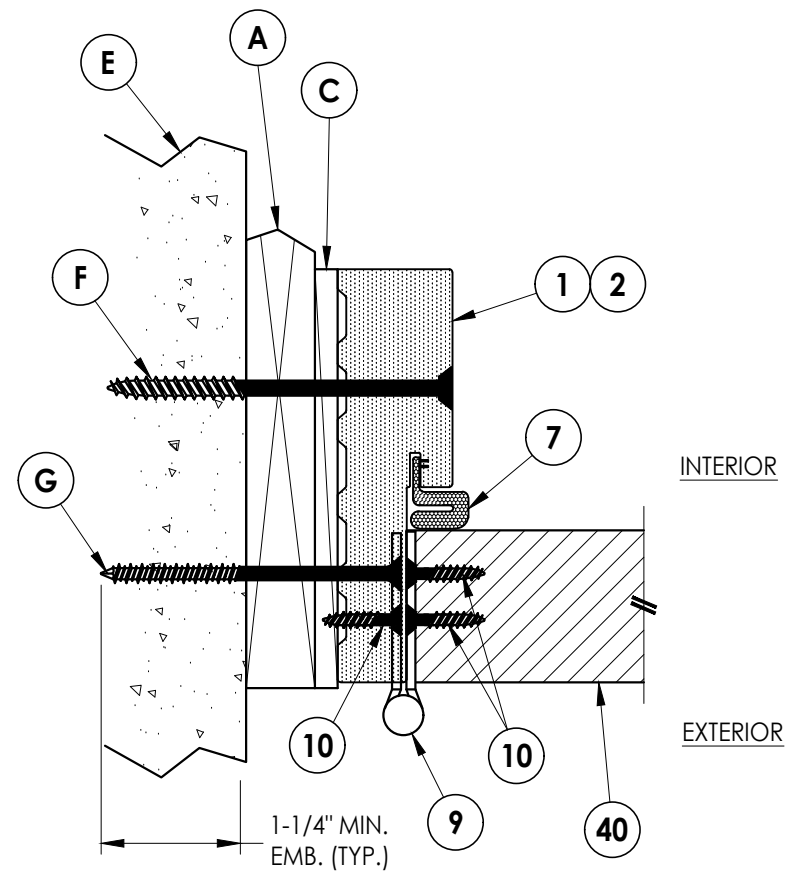
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL
FIBERGLASS DOOR

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

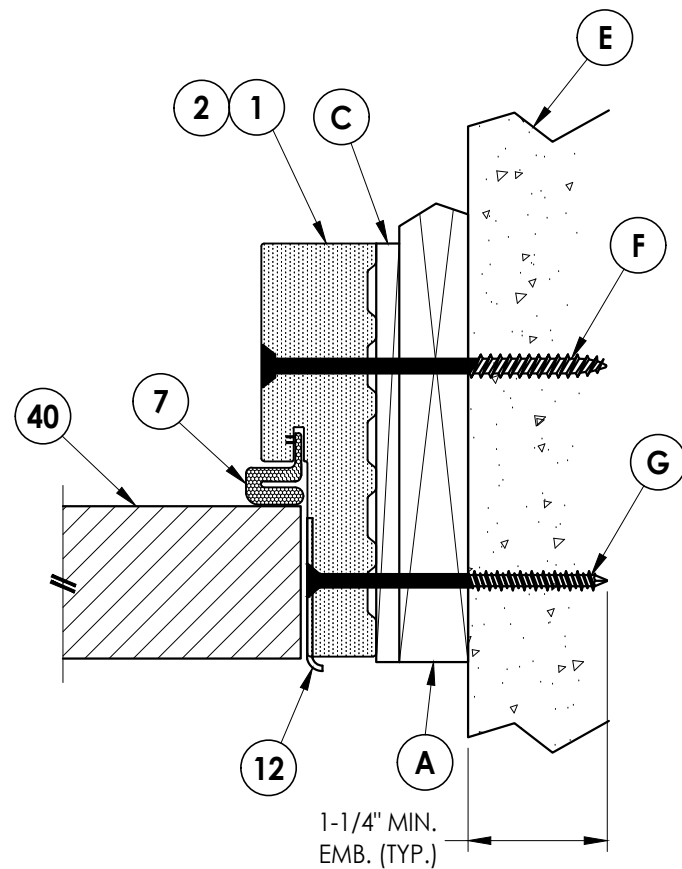
NO.	DATE	BY	REVISIONS

DATE: 5/14/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-46120.8
SHEET 7 OF 13

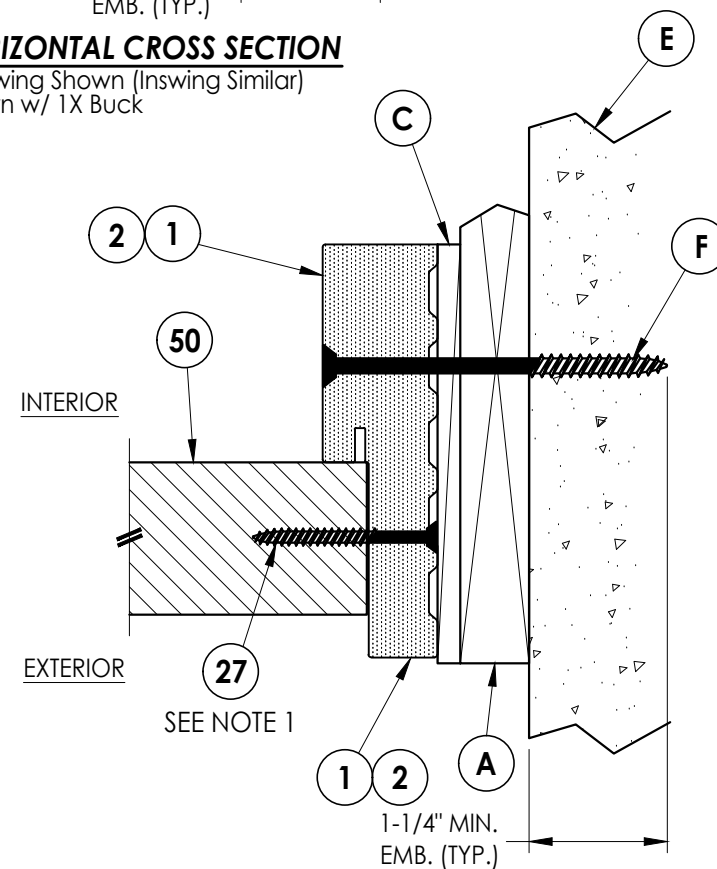


1 **HORIZONTAL CROSS SECTION**

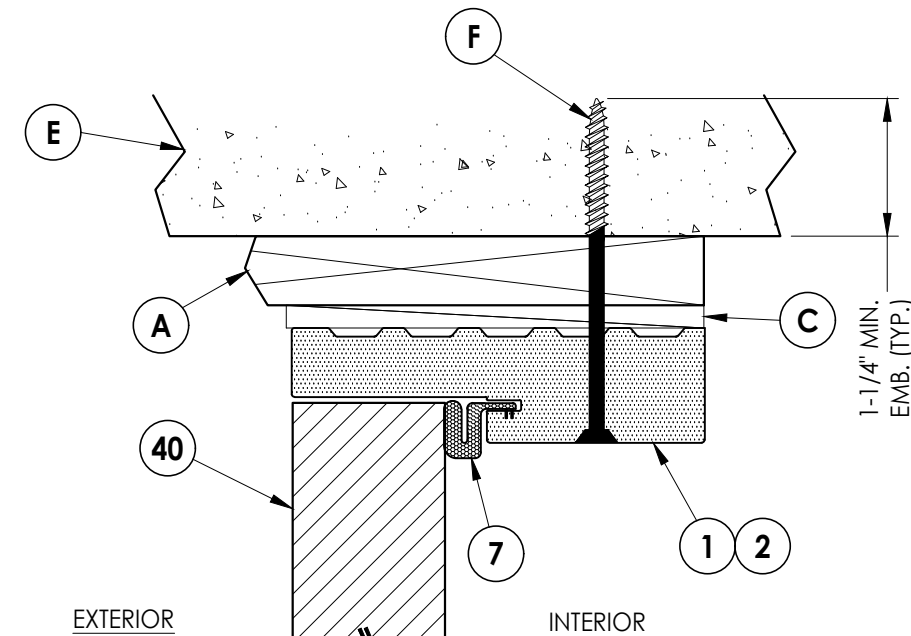
8 Outswing Shown (Inswing Similar) Shown w/ 1X Buck



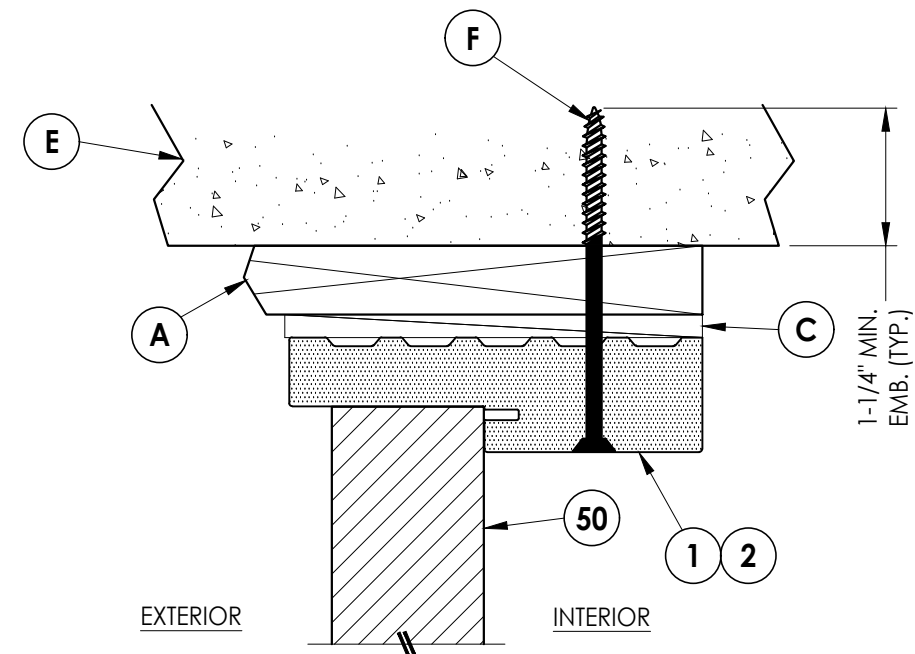
2 HORIZONTAL CROSS SECTION
8 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck



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



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



5 VERTICAL CROSS SECTION
8 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:
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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:
**HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)**

[illegible]

DATE: 5/14/24

SCALE: *N.T.S.*

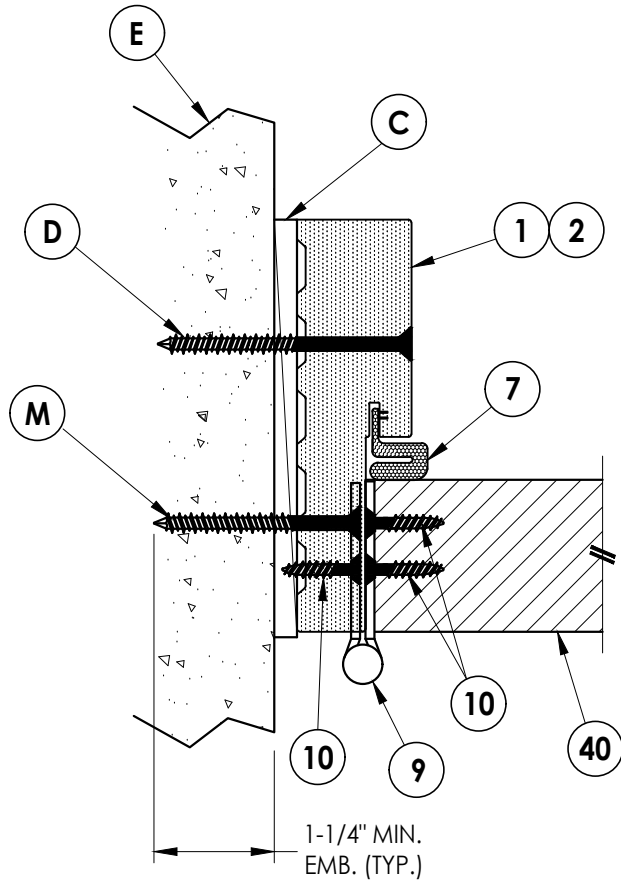
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CHK. BY: RW

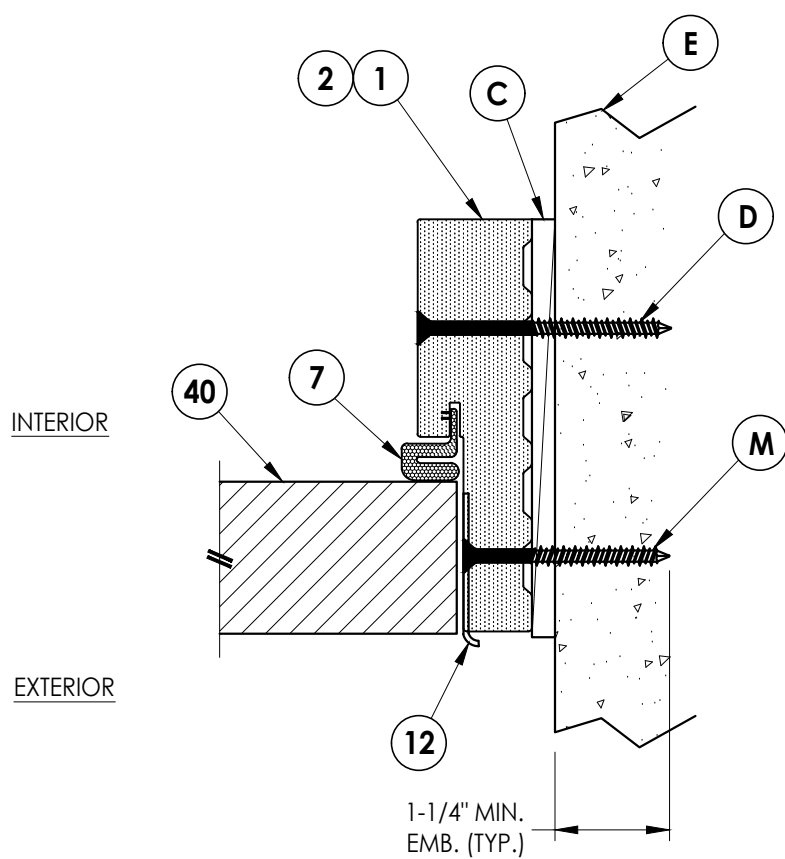
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FL-46120.8

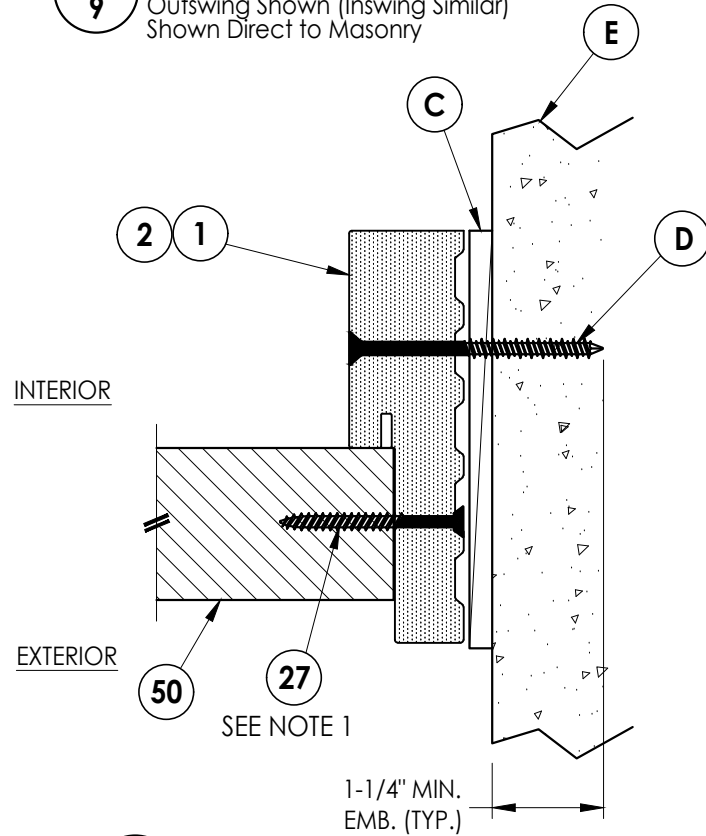
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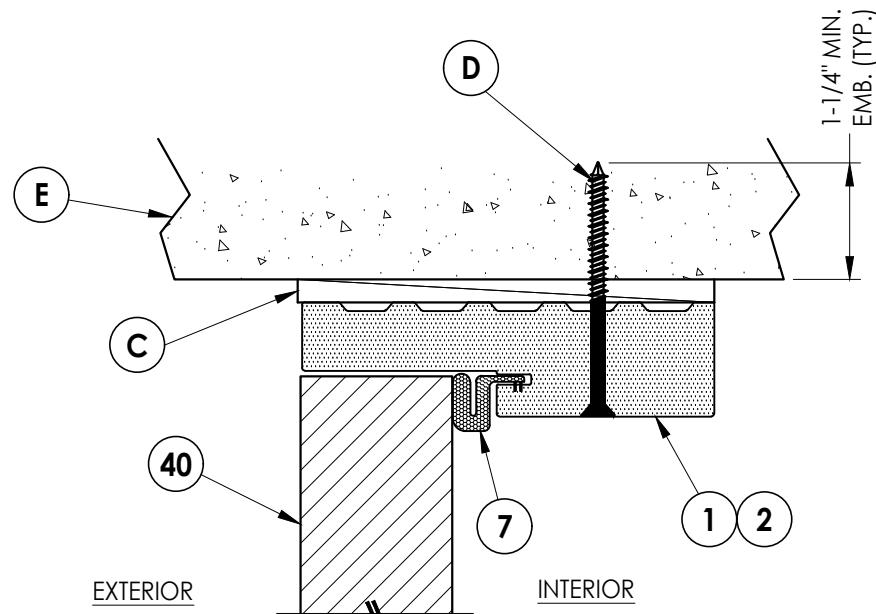
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



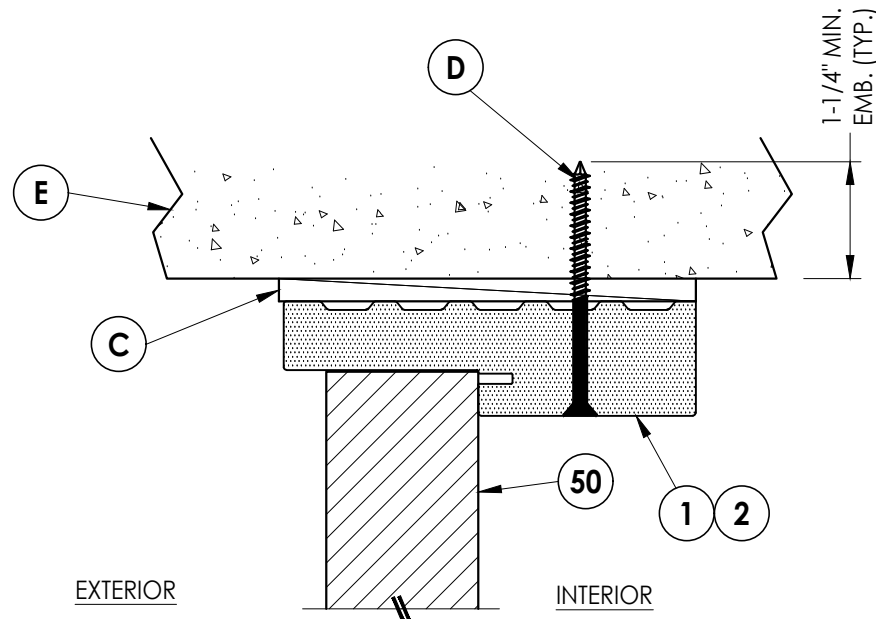
2
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



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



5
9 **VERTICAL CROSS SECTION**
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:
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)

NO.	DATE	REVISIONS	BY

DATE: 5/14/24

SCALE: N.T.S.

DWG. BY: LFS

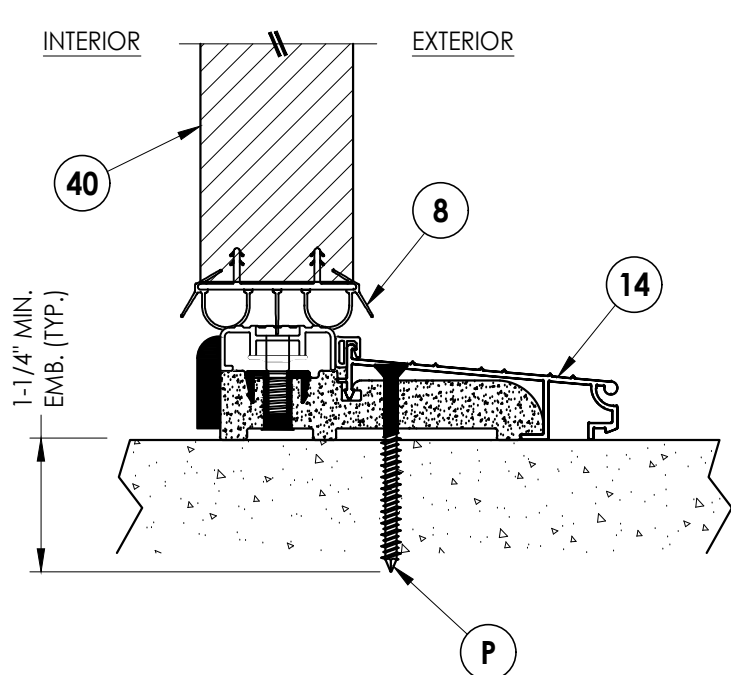
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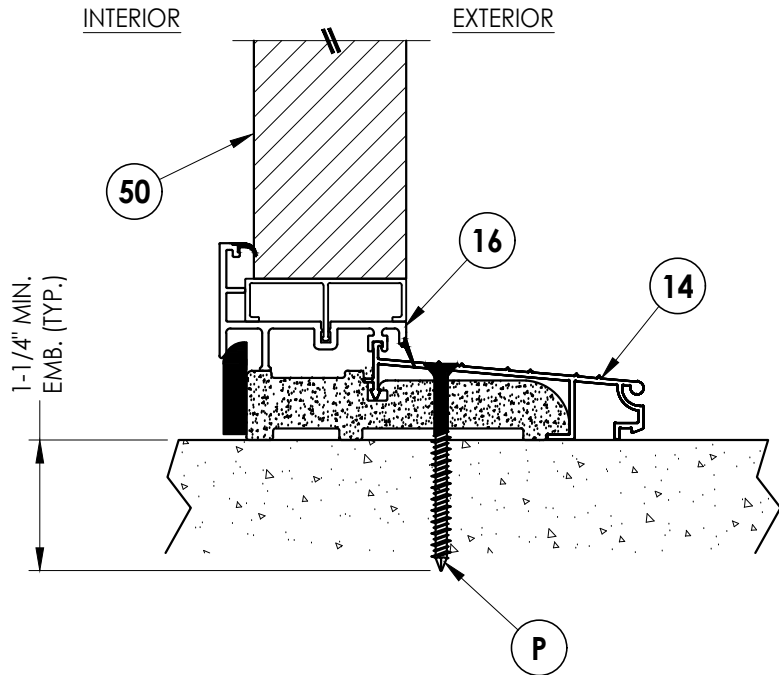
FL-46120.8

SHEET 9 OF 13

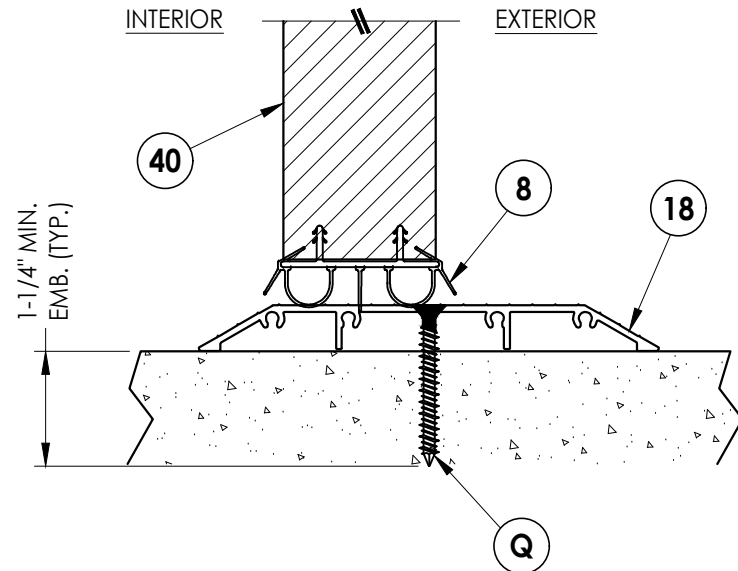
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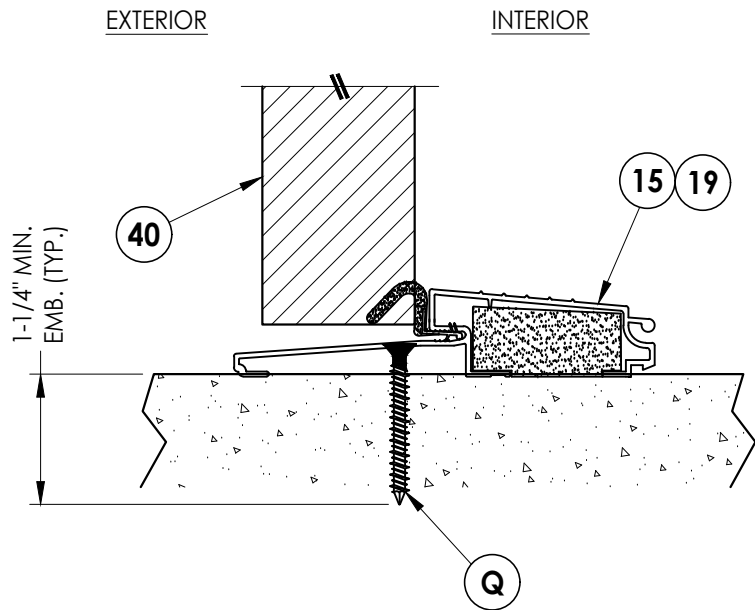
1
10 VERTICAL CROSS SECTION
Inswing Sill



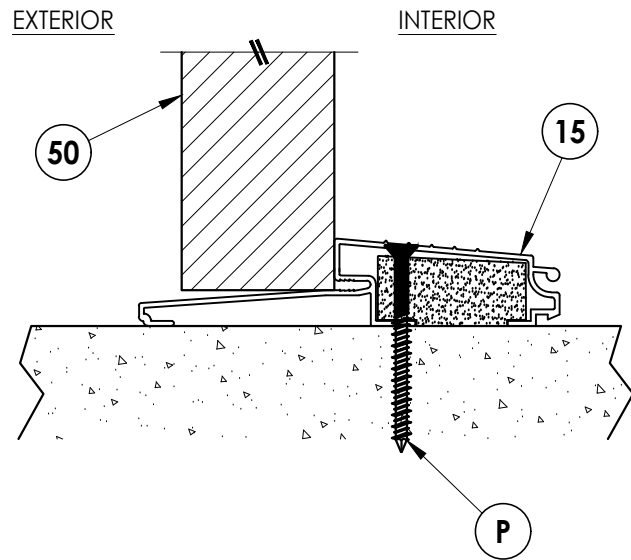
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Inswing Sill



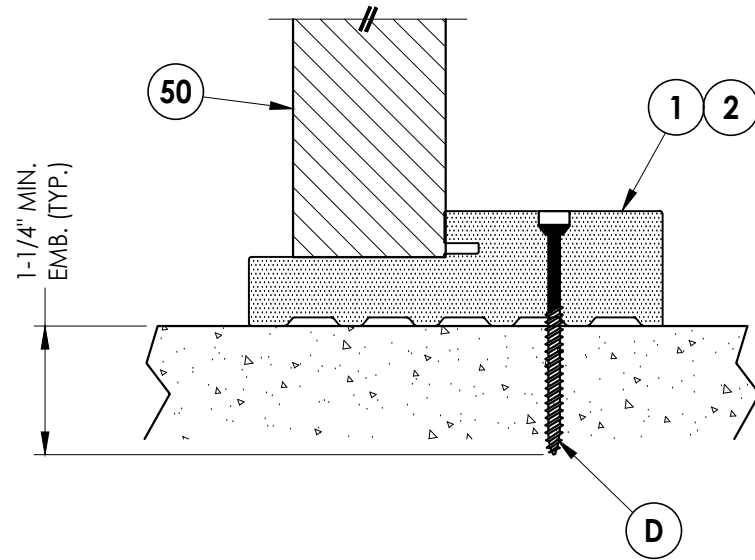
5
10 VERTICAL CROSS SECTION
ADA Sill



2
10 VERTICAL CROSS SECTION
Outswing Sill



4
10 VERTICAL CROSS SECTION
Outswing Sill



6
10 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)

REVISIONS		NO.	DATE	BY

DATE: 5/14/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46120.8

SHEET 10 OF 13



2X BUCK ANCHORING

[illegible]

DATE:	5/14/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46120.8
SHEET	11 OF 13

PRODUCT: ODL FIBERGLASS DOOR	PART OR ASSEMBLY: BUCK ANCHORING
---------------------------------	-------------------------------------

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

(TYP.)

3" (TYP.)

4" (TYP.)

C JAMBS

6" (TYP.)

L 2X BUCK

F 1X BUCK

D DIRECT TO MASONRY

HEAD & JAMBS
(TYP.)

27
(TYP.)

* 6"

LATCH JAMB

14.5" O.C.
(TYP.)

Q OUTSWING

P INSWING

DOOR SILL
(TYP.)

D P

SIDELITE SILL
(TYP.)

3" (TYP.)

4" (TYP.)

6" (TYP.)

6" (TYP.)

14.5" O.C. (TYP.)

6" (TYP.)

* 6" (TYP.)

2X BUCK

1X BUCK

DIRECT TO MASONRY

HEAD & JAMBS (TYP.)

27 (TYP.)

Q OUTSWING

P INSWING

DOOR SILL (TYP.)

D

P

SIDELITE SILL (TYP.)

JAMBS

LATCH JAMB

9.375" FROM TOP OF FRAME

39" O.C. (TYP.)

SEE HINGE DETAIL (TYP.)

9

10

M DIRECT TO MASONRY

G 1X BUCK

L 2X BUCK

10

HINGE DETAIL
INSWING

9

10

M DIRECT TO MASONRY

G 1X BUCK

L 2X BUCK

10

HINGE DETAIL
OUTSWING

Diagram illustrating the Strike Plate Detail for a Schlage Lockset. The diagram shows the lockset components (labeled 12, 13, 20, 25, 30) and the strike plate (labeled 20) mounted on the door edge. The strike plate is shown in two views: a side view (labeled 20) and a top view (labeled 20). The side view shows the strike plate mounted on the door edge, with dimensions indicating a 5.5" height and a 54.38" distance from the top of the jamb. The top view shows the strike plate mounted on the door edge, with dimensions indicating a 5.5" height and a 54.38" distance from the top of the jamb. The diagram also shows the lockset components (labeled 12, 13, 20, 25, 30) and the strike plate (labeled 20) mounted on the door edge. The strike plate is shown in two views: a side view (labeled 20) and a top view (labeled 20). The side view shows the strike plate mounted on the door edge, with dimensions indicating a 5.5" height and a 54.38" distance from the top of the jamb. The top view shows the strike plate mounted on the door edge, with dimensions indicating a 5.5" height and a 54.38" distance from the top of the jamb.

Labels:

- TOP PLATE
- 20
- 30
- 13
- 12
- 25
- G
- M
- 2X BUCK
- 1X BUCK
- DIRECT TO MASONRY

Dimensions:

- 54.38" FROM TOP
- 5.5"

Text:

STRIKE PLATE DETAIL
SCHLAGE LOCKSET

54.38" FROM TOP OF JAMB

5.5"

13

20

30

25

G

M

2X BUCK

1X BUCK

DIRECT TO MASONRY

STRIKE PLATE DETAIL

KWIKSET LOCKSET

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

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

PRODUCT: ODL
FIBERGLASS DOOR

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

[illegible]

DATE:	5/14/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46120.8
SHEET	12 OF 13

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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	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
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

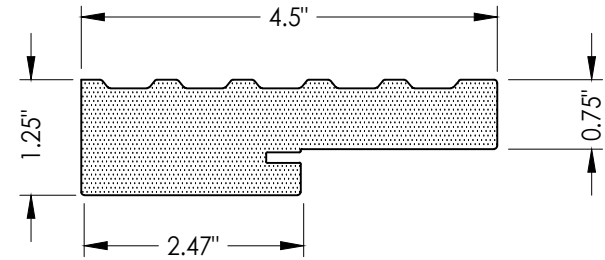
CONCRETE ANCHOR NOTES:

- 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:

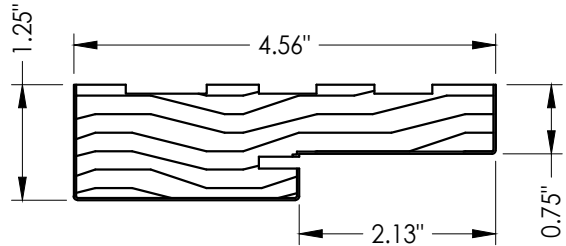
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

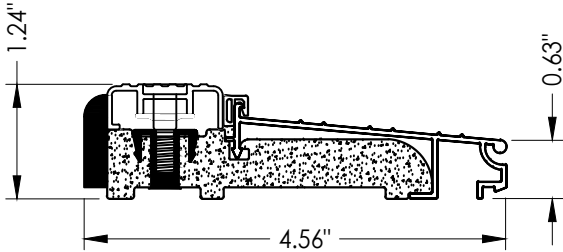
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



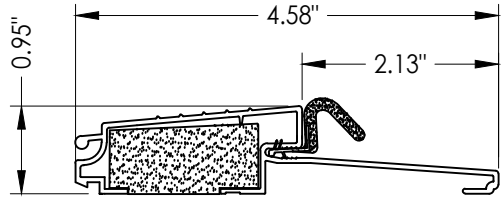
1 COMPOSITE JAMB
STARLINK SURE JAMB



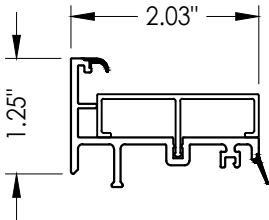
2 WOOD JAMB
FINGER JOINTED PINE



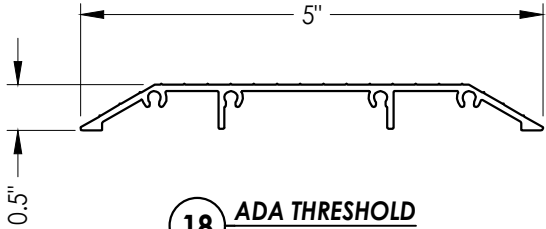
14 INSWING THRESHOLD
AFCO A-276



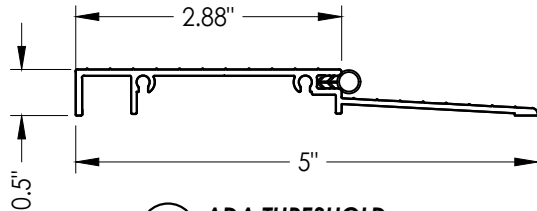
15 OUTSWING THRESHOLD
AFCO A-117



16 INSWING SIDELITE BASE
AFCO



18 ADA THRESHOLD
AFCO A-204



19 ADA THRESHOLD
AFCO A-204T

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PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 5/14/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46120.8

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