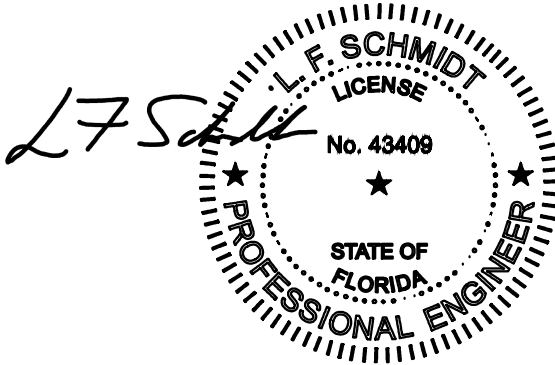


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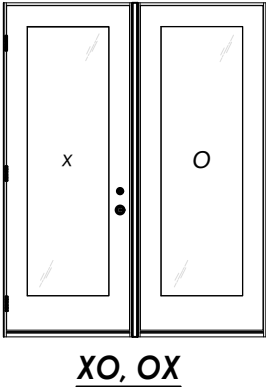
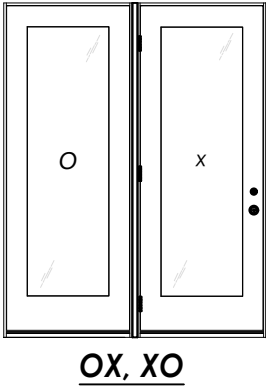
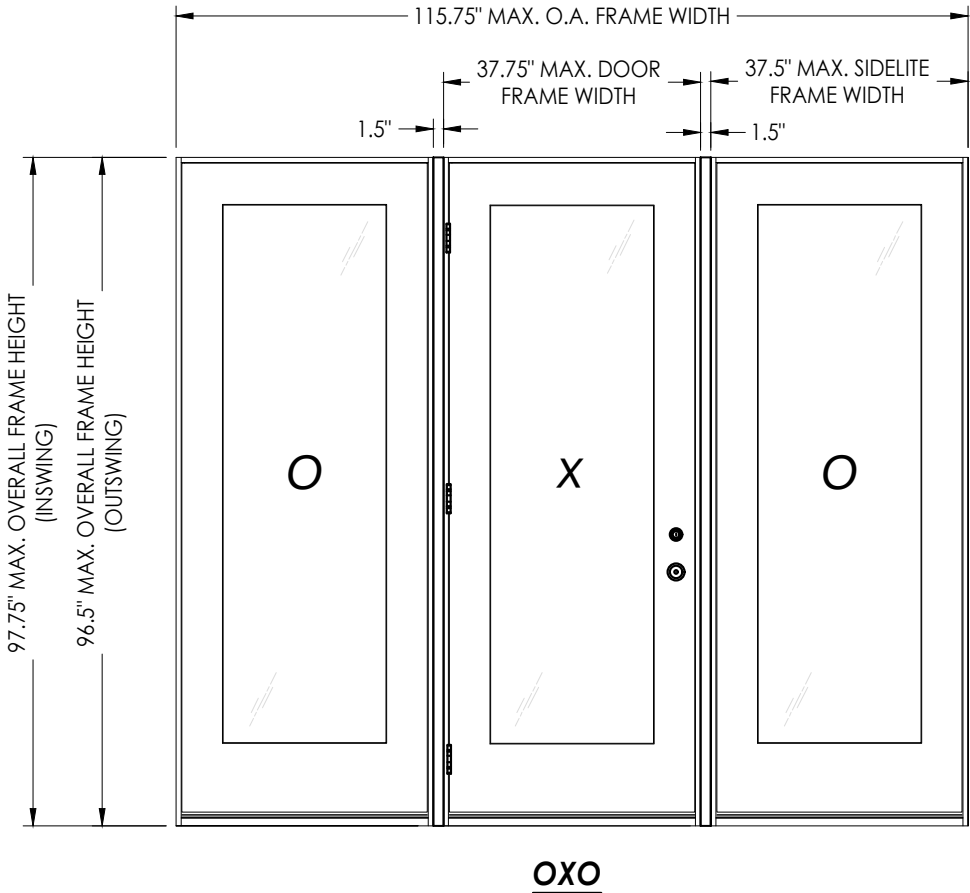
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464



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

FLUSHED GLAZED FIBERGLASS DOOR SINGLE w/ SIDELITE(S) 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 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.

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 & Lite Frame Glazing Details	9	Vertical Cross Sections (Thresholds)
4	Elevations & 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
OX, XO	76.75" x 97.75"	+50.0	-50.0	+50.0	-50.0
OXO	115.75" x 97.75"	+50.0	-50.0	+50.0	-50.0

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

ODL
FIBERGLASS DOOR

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

DATE: 5/14/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46121.3

SHEET 1 OF 12

REVISIONS

NO. DATE

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



9/16" GLASS BITE

DOUBLE SIDED TAPE

1" OVERALL GLASS THK.

1/8" TEMPERED GLASS

AIR SPACE

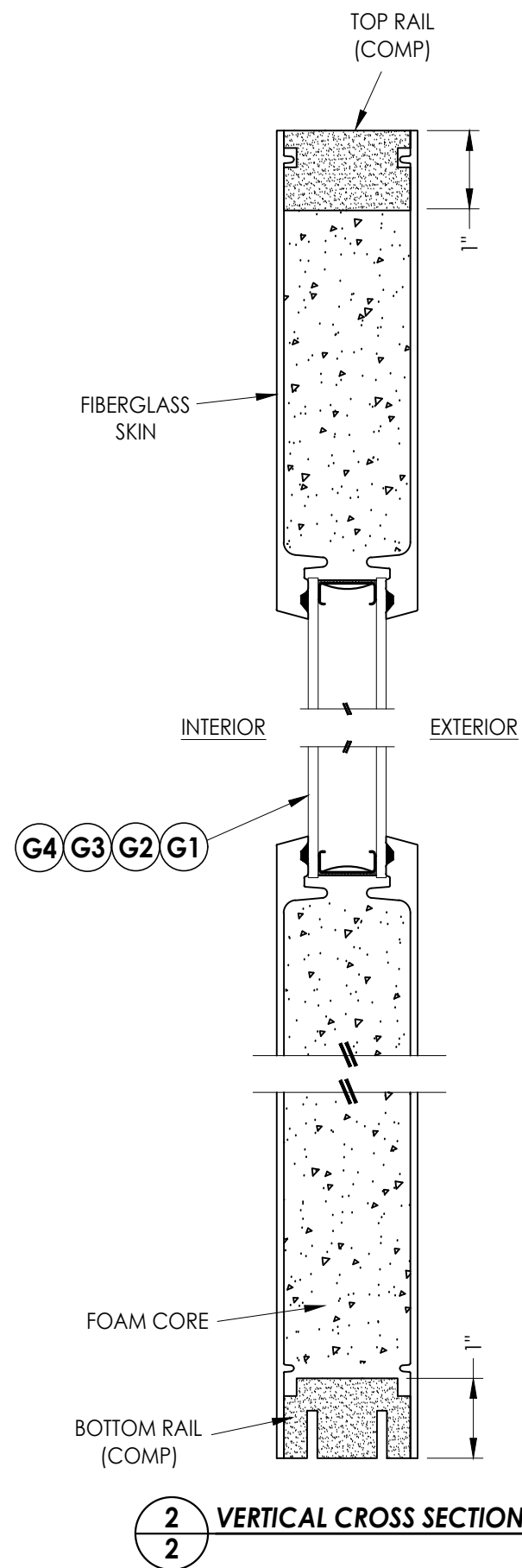
1/8" TEMPERED GLASS

STAINLESS STEEL SPACER

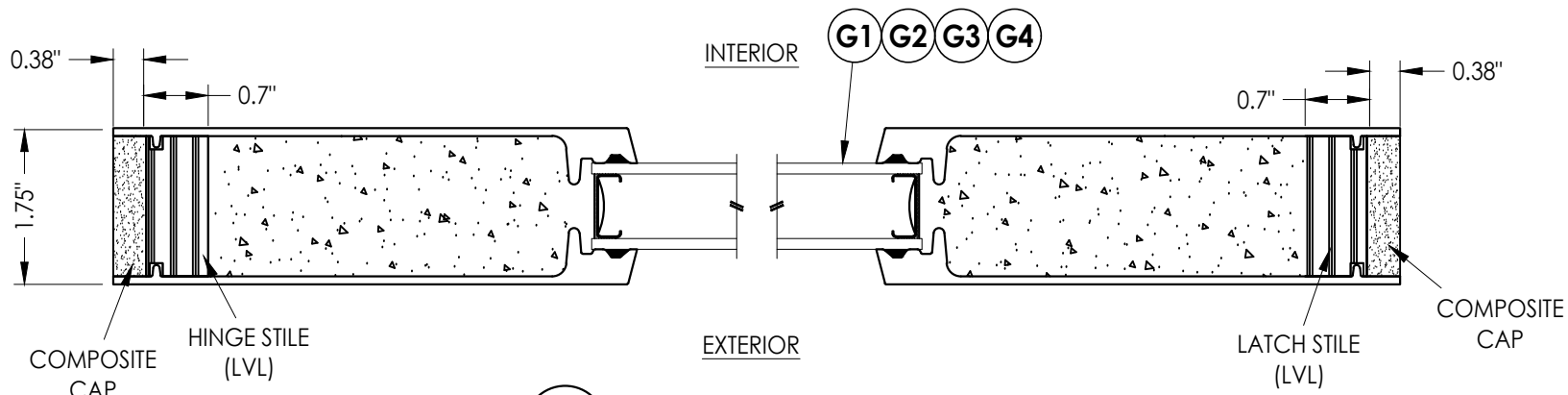
FOAM-IN-PLACE URETHANE GASKET (RESOLVE)

G1 GLAZING DETAIL
CLEAR GLASS

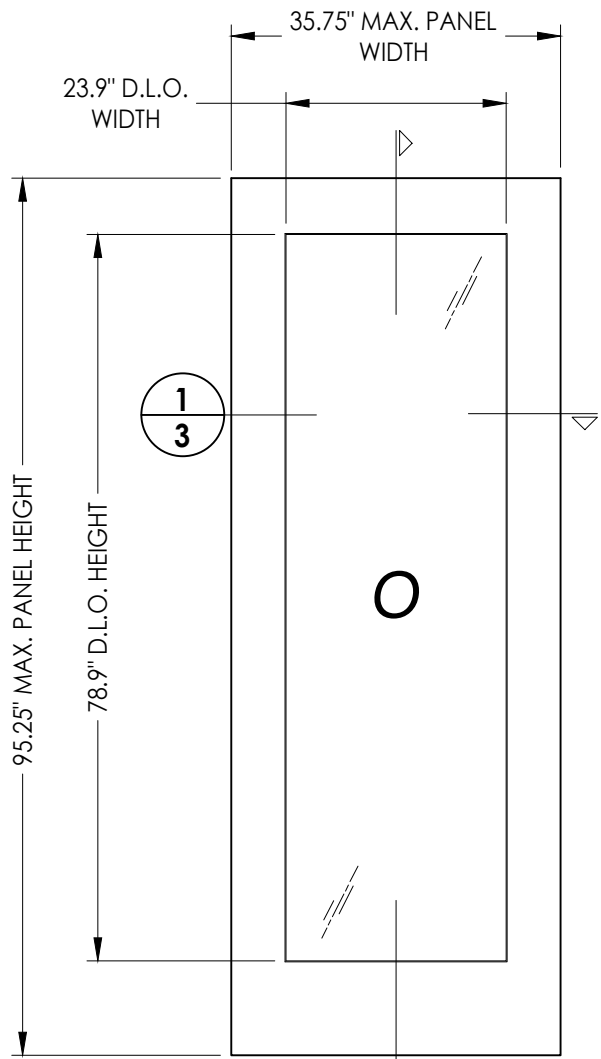
HARDWARE CHART		
MANUFACTURER	MODEL	
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (980)
Schlage	Knob:	F Series
	Deadbolt:	B60 Series



SHEET 2 OF 12

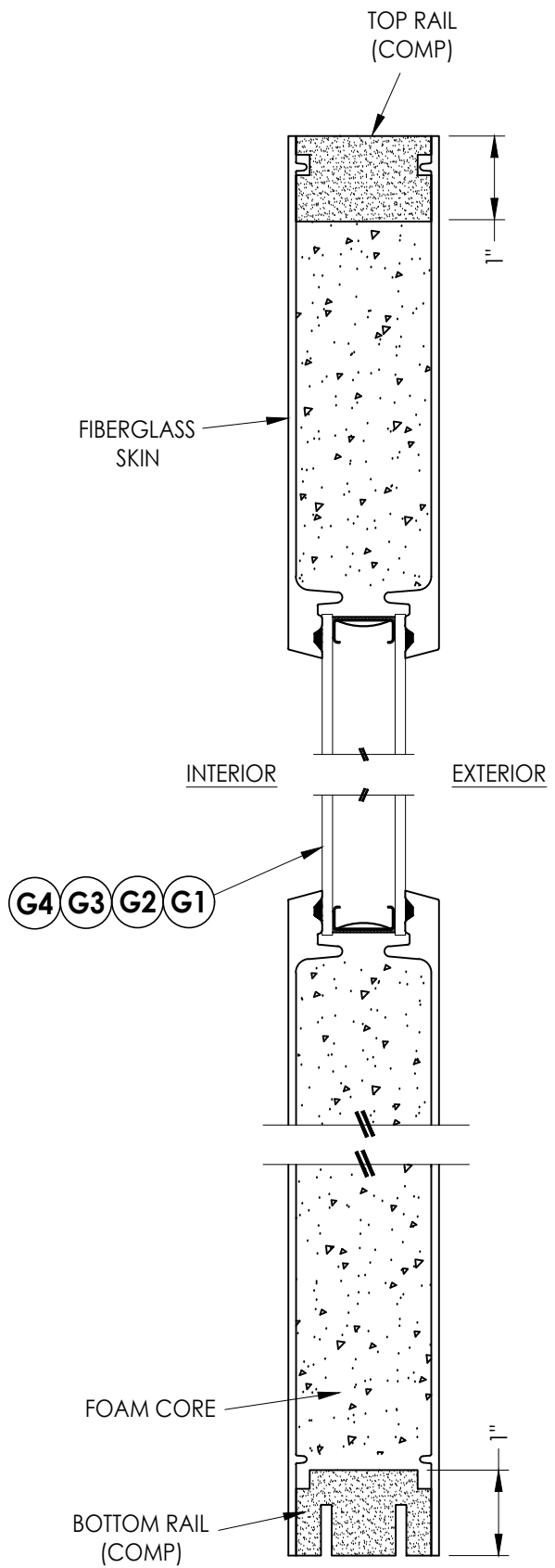


1 **HORIZONTAL CROSS SECTION**
3



50 FIBERGLASS SIDELITE PANEL
ODL FLUSH GLAZED

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



2 VERTICAL CROSS SECTION

[illegible]

DATE: 5/14/24

SCALE: N.T.S.

DWG. BY: *LFS*

CHK. BY: RW

DRAWING NO.:

FL-46121.3

SHEET 3 OF 12

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

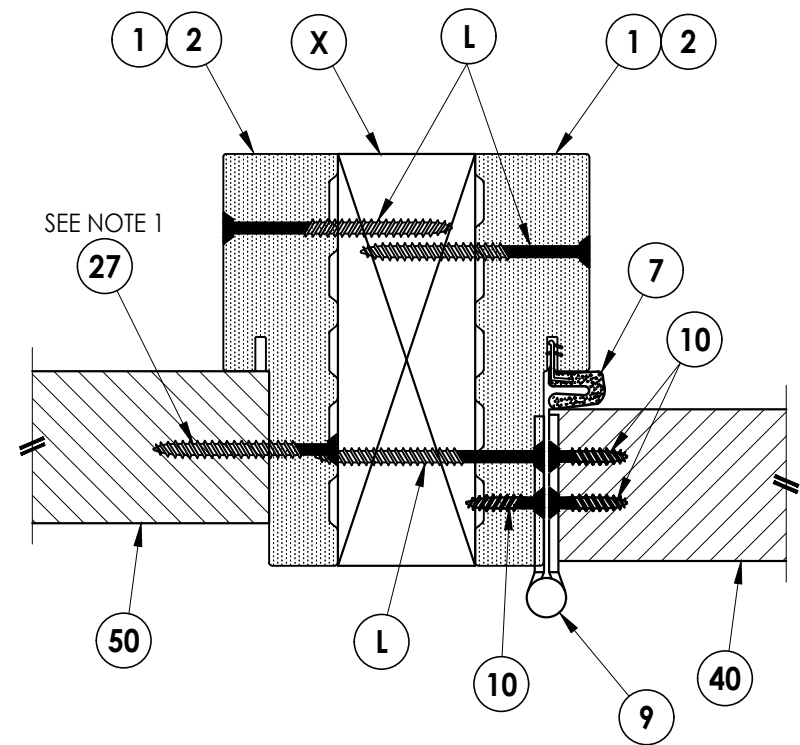
RAI BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

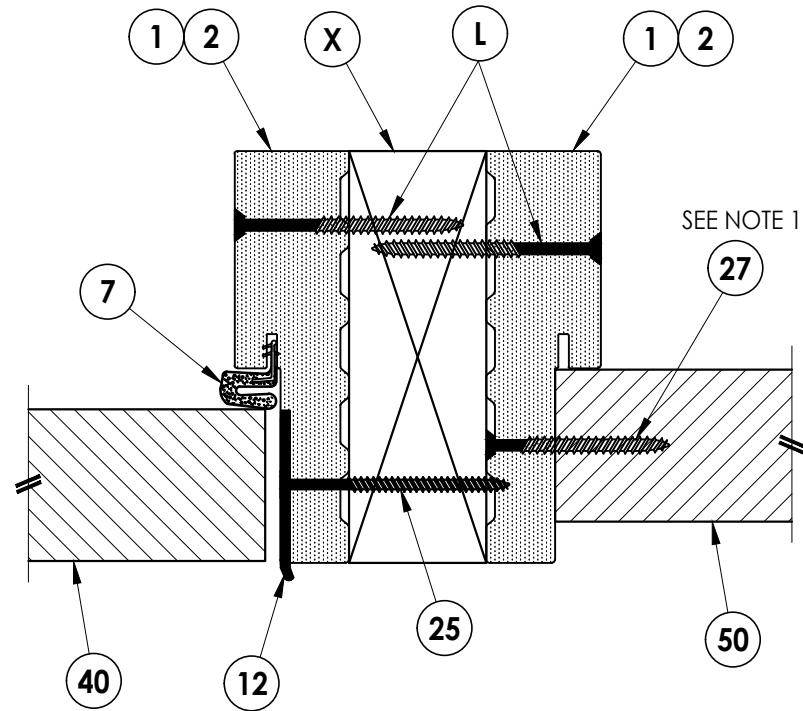
Phone No.: 813.659.9197

FBPE Registry No. 9813

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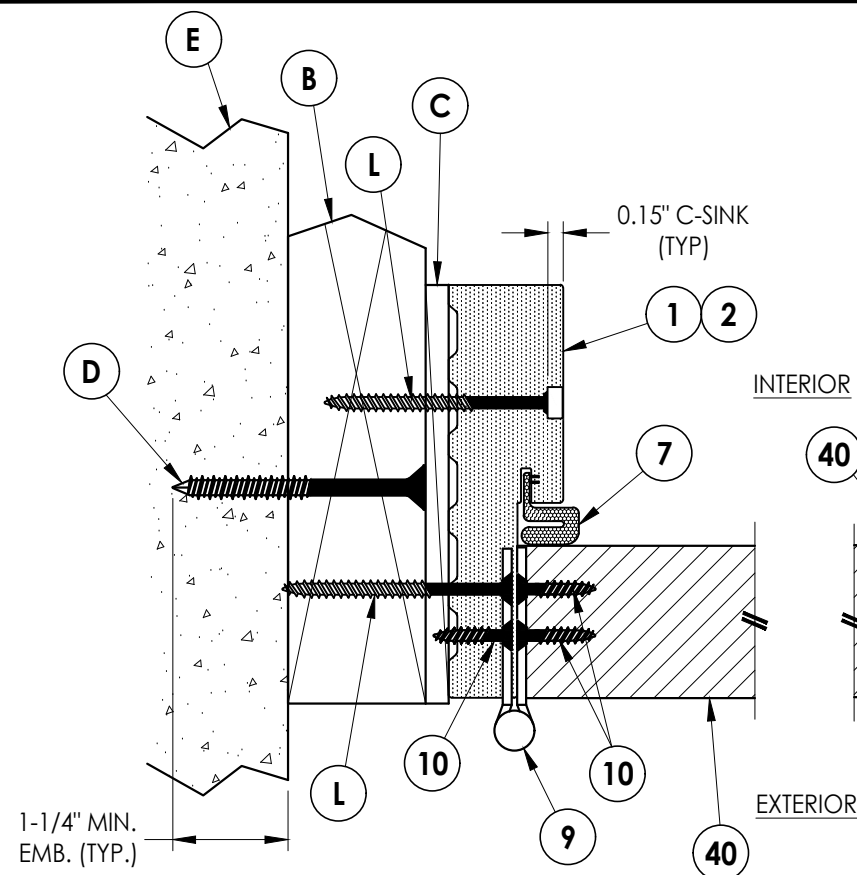
1 **HORIZONTAL CROSS SECTION**
5 Outswing Shown (Inswing Similar)



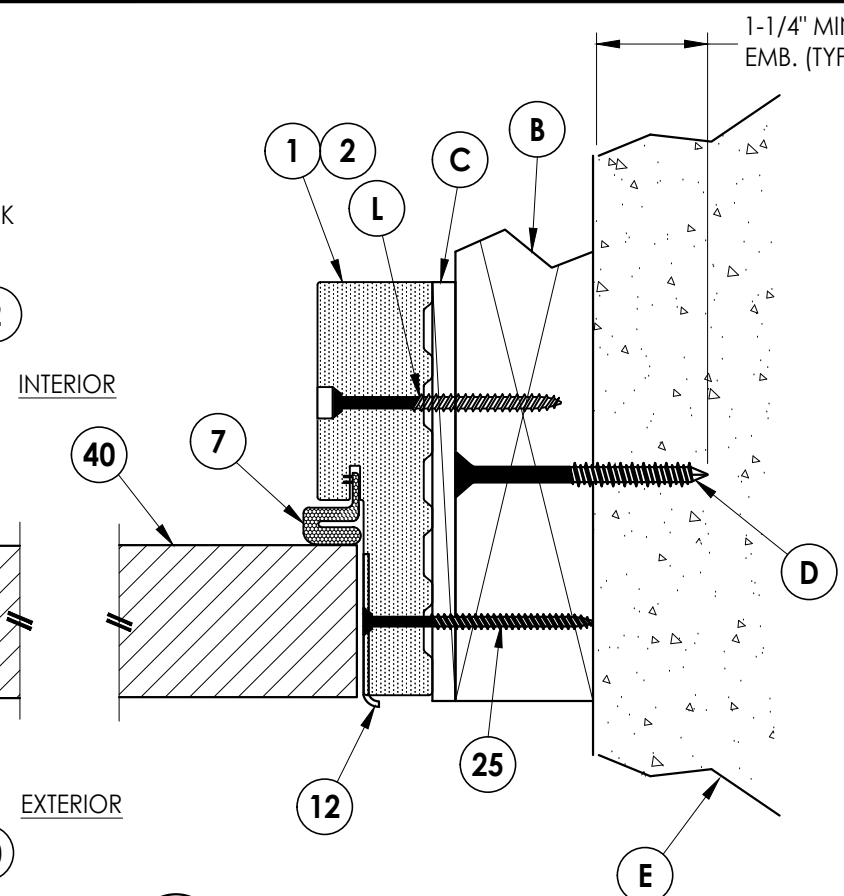
2 **HORIZONTAL CROSS SECTION**
5 Outswing Shown (Inswing Similar)

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

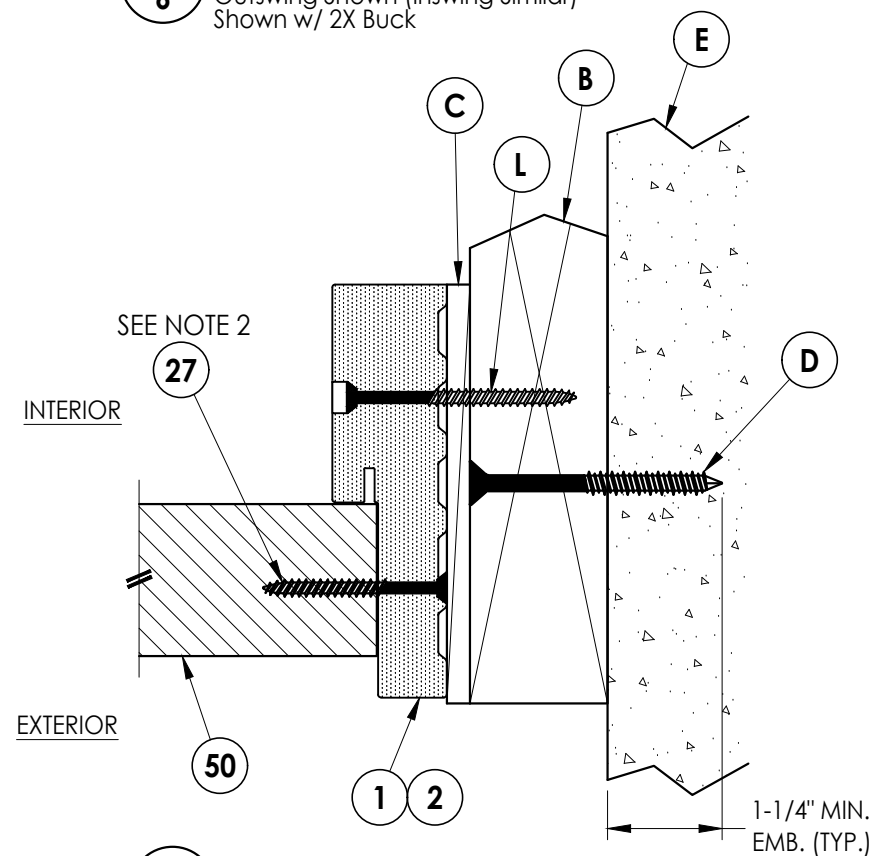
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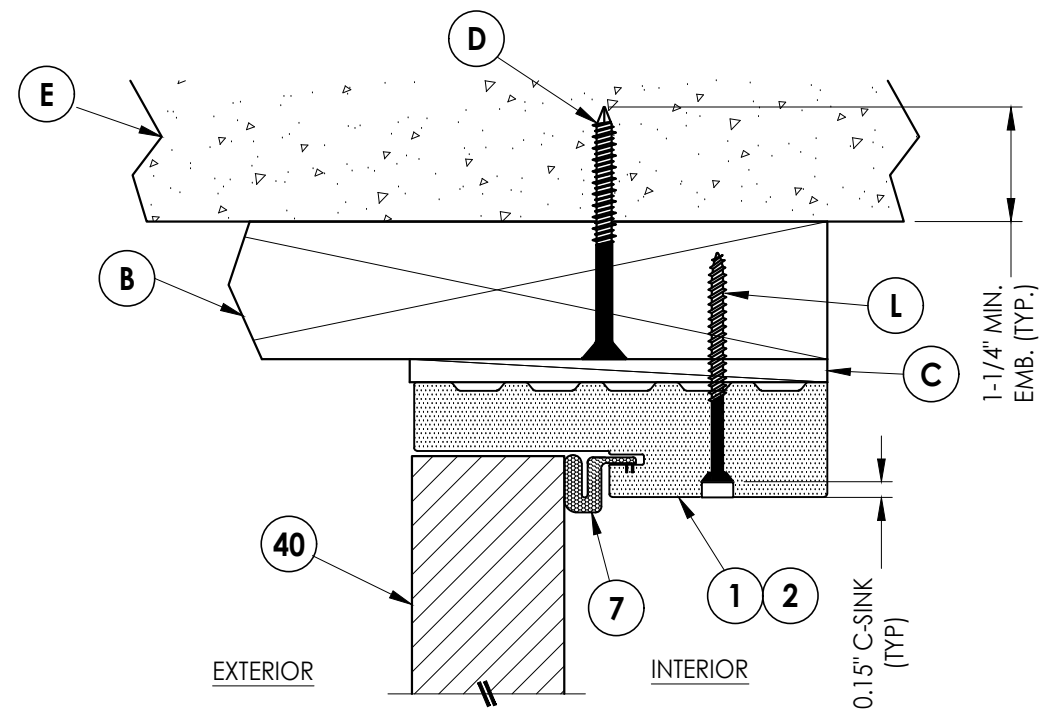
1 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)
 Shown w/ 2X Buck



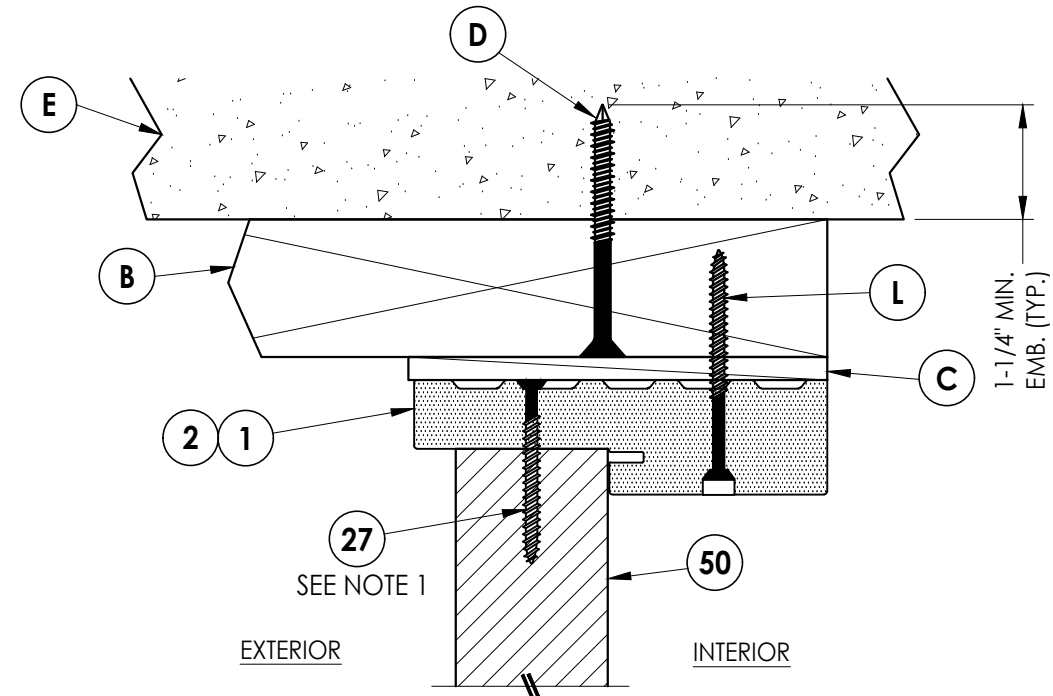
2 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)
 Shown w/ 2X Buck



3/6 HORIZONTAL CROSS SECTION



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

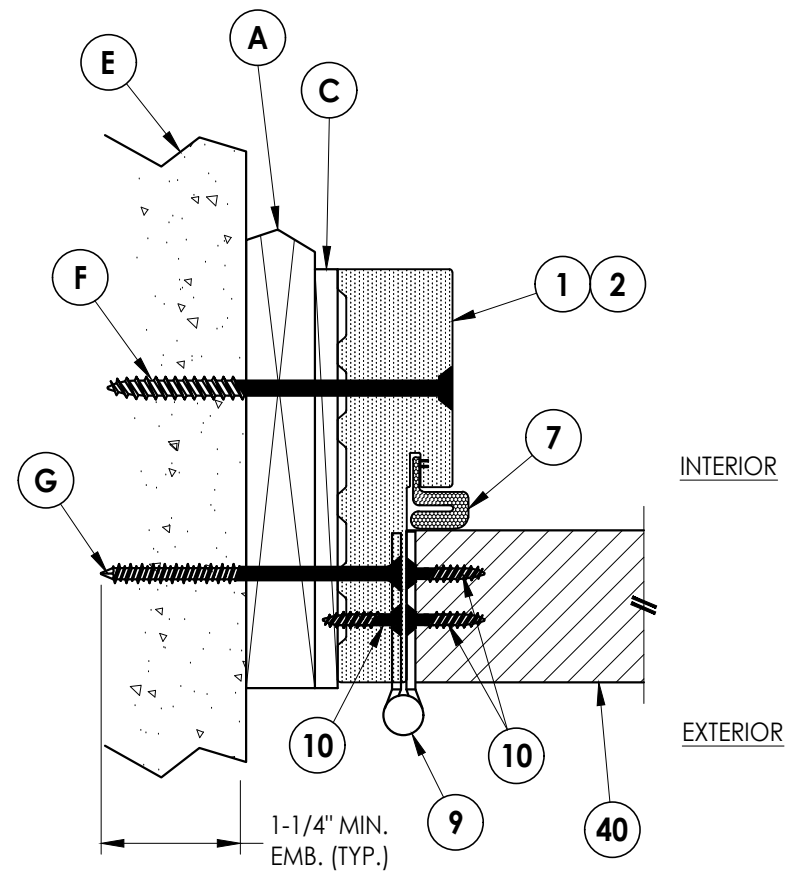


5 VERTICAL CROSS SECTION
6 Outswing Shown (Inswing Similar)
 Shown w/ 2X Buck

NOTES:

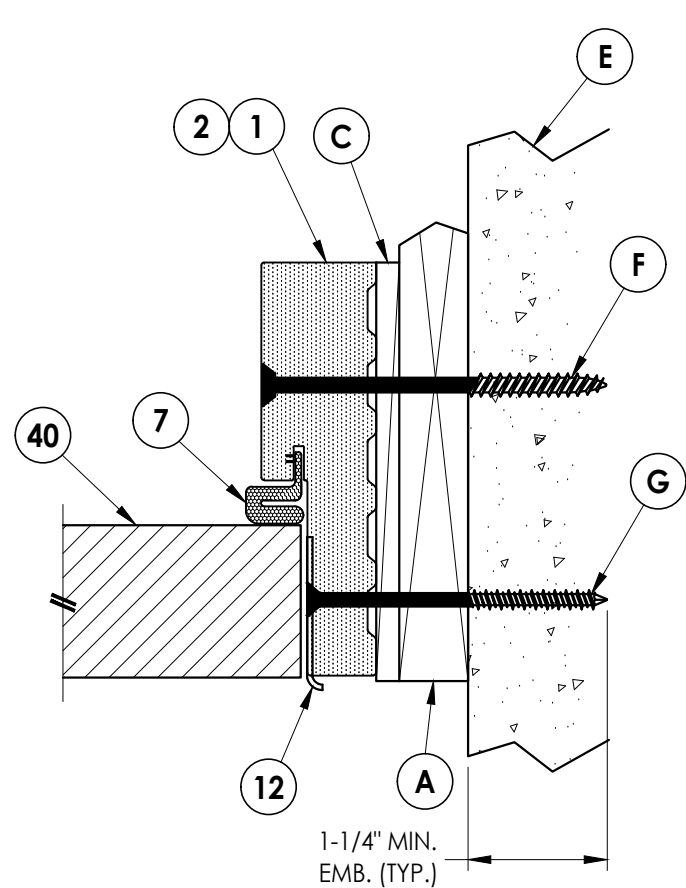
1. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM EACH END (2 TOTAL).
2. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM EACH END PLUS 5 MORE EQUALLY SPACED (7 TOTAL).

[illegible]



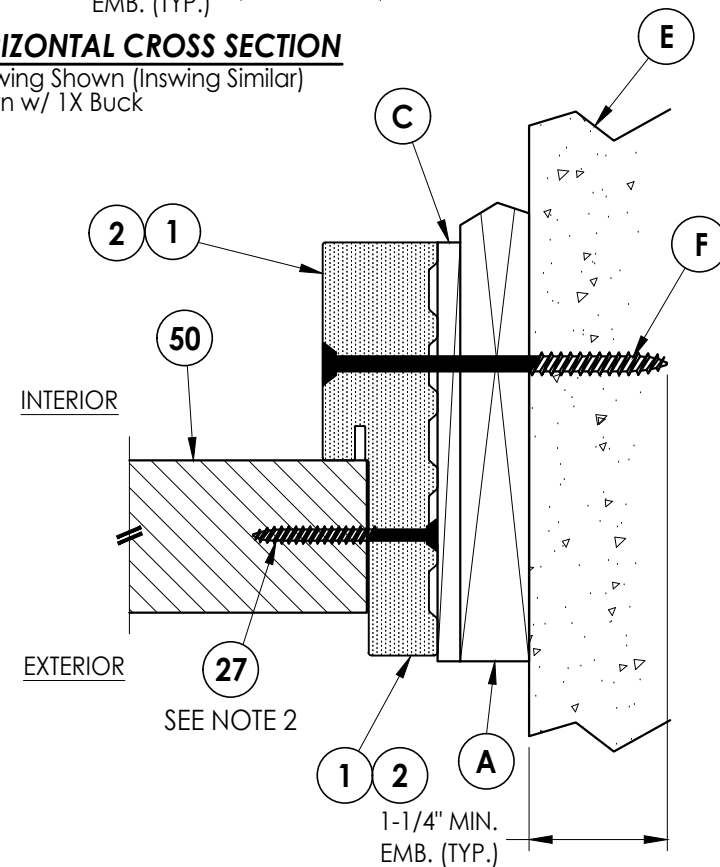
1 **HORIZONTAL CROSS SECTION**

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

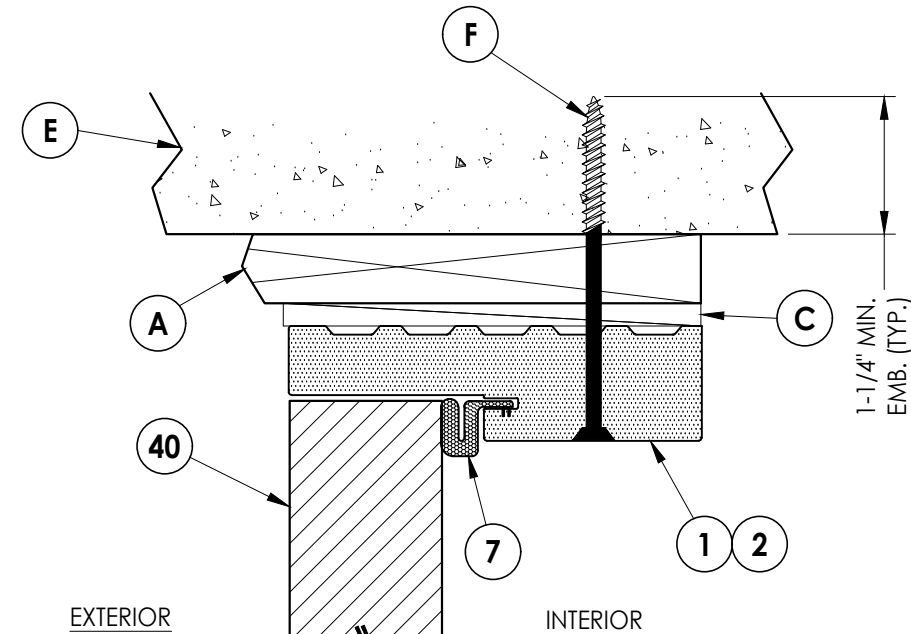


2 7 **HORIZONTAL CROSS SECTION**

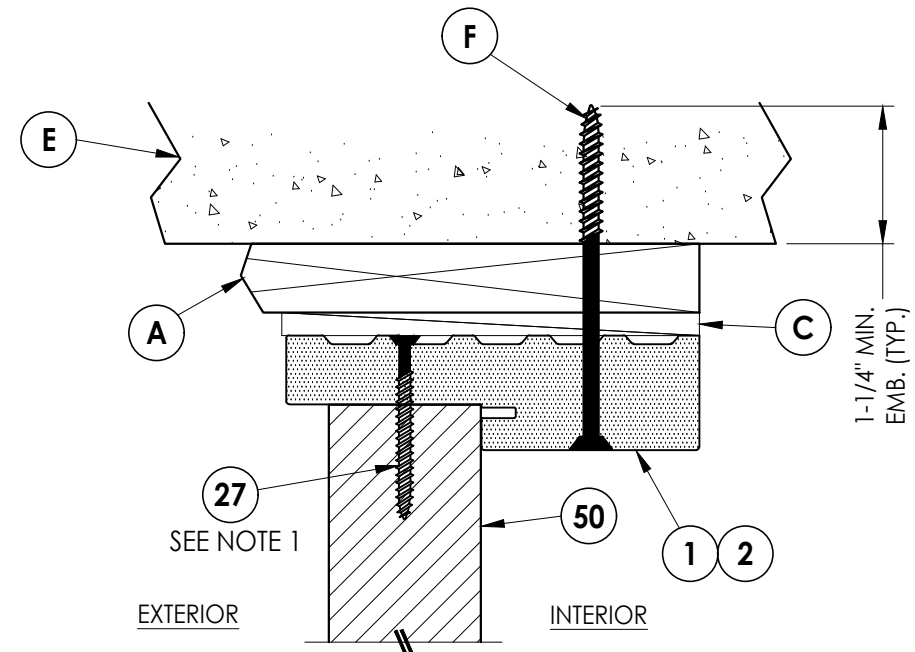
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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



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

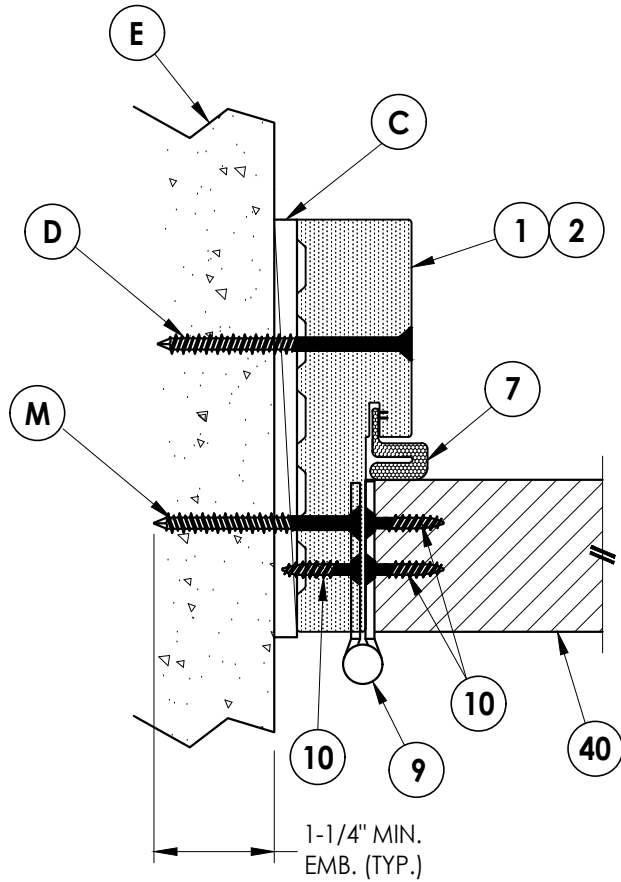


5 **VERTICAL CROSS SECTION**
7 Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

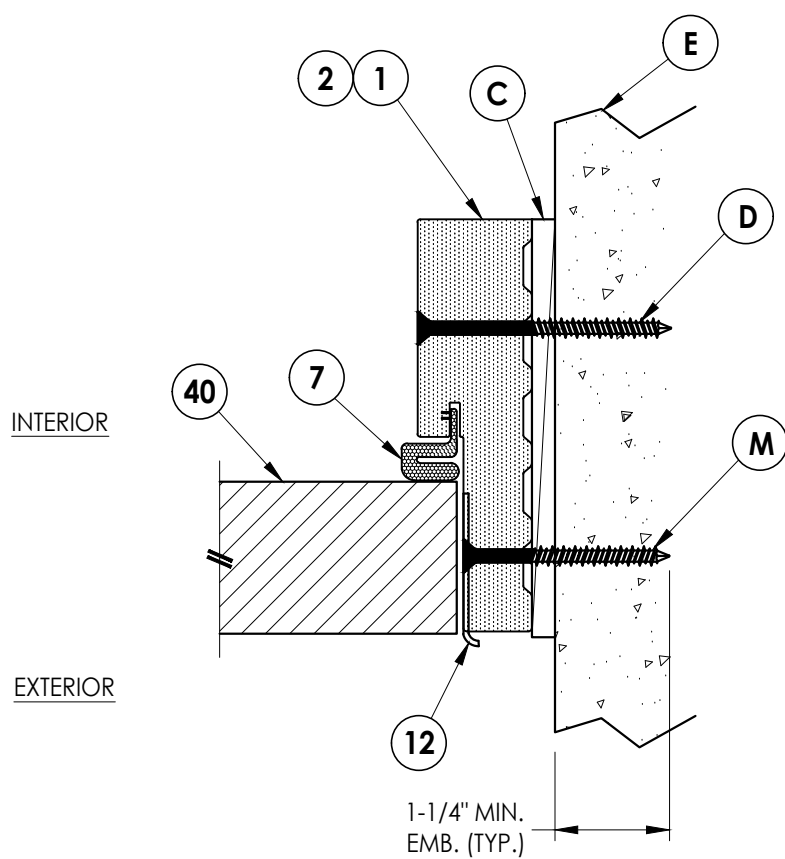
NOTES:

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).

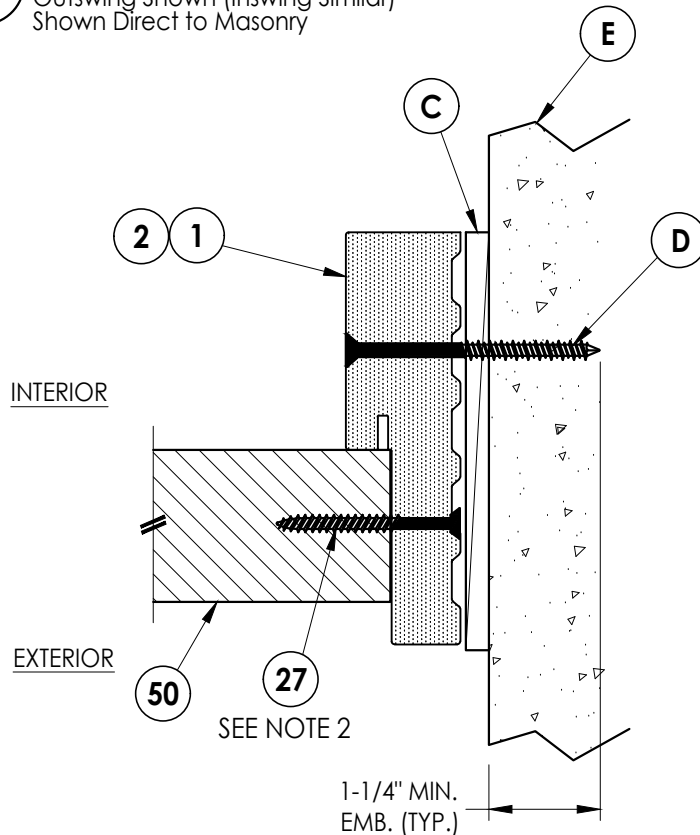
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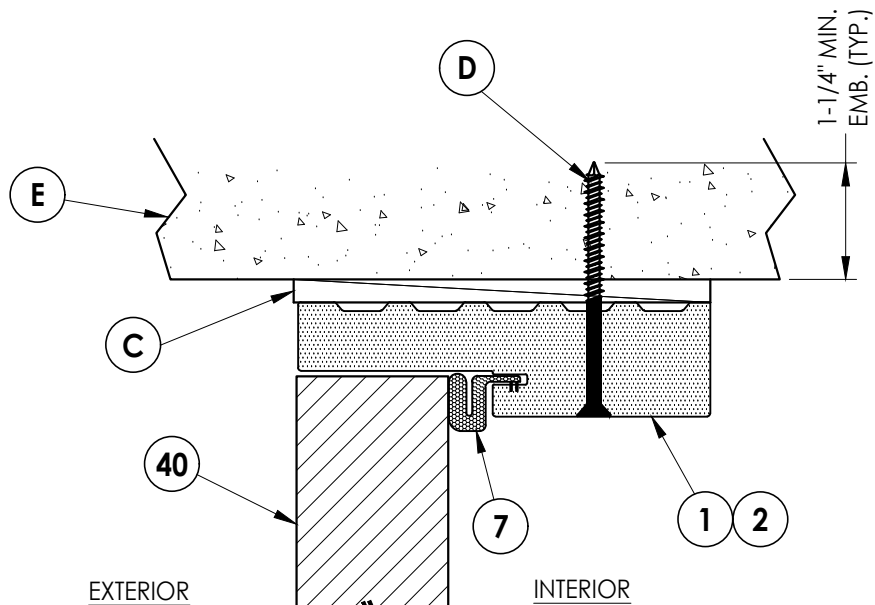
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8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



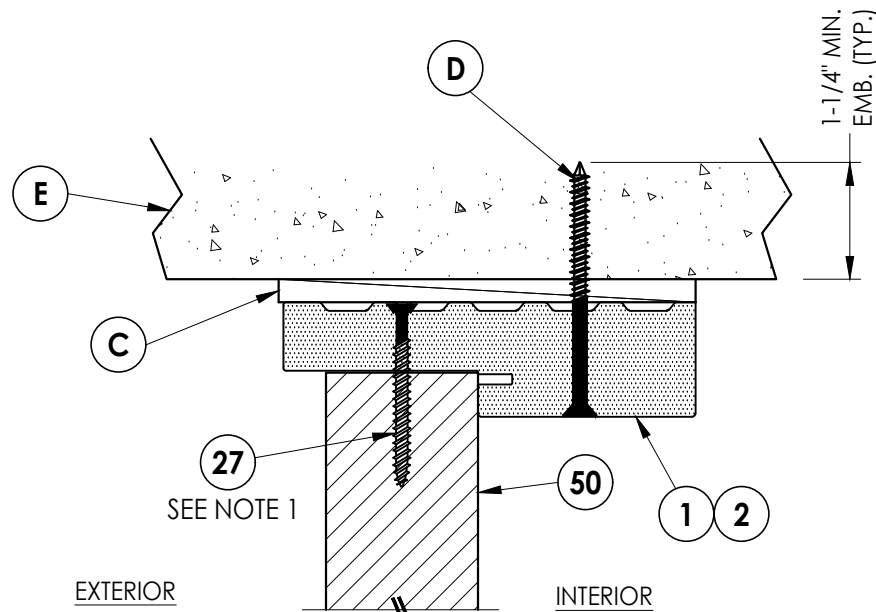
2
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



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



5
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

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.

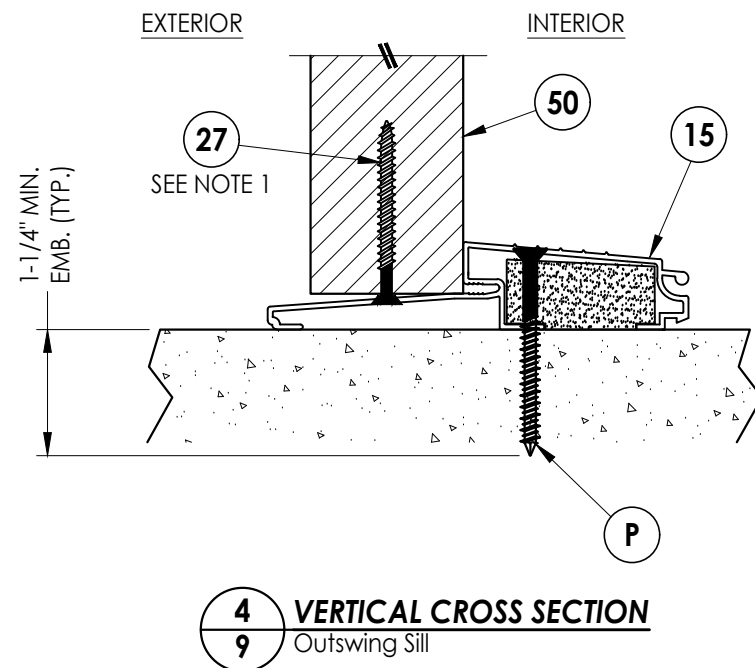
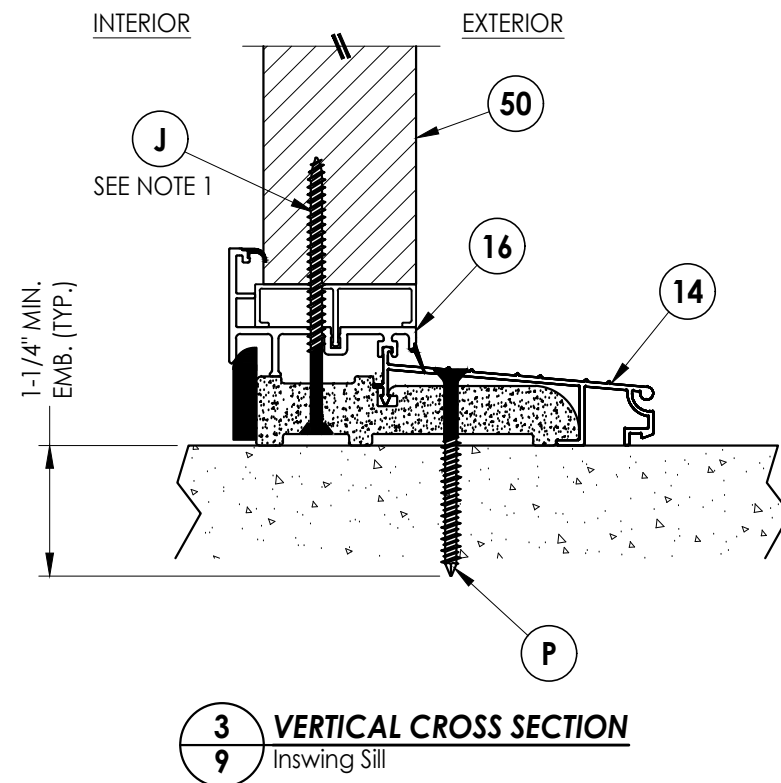
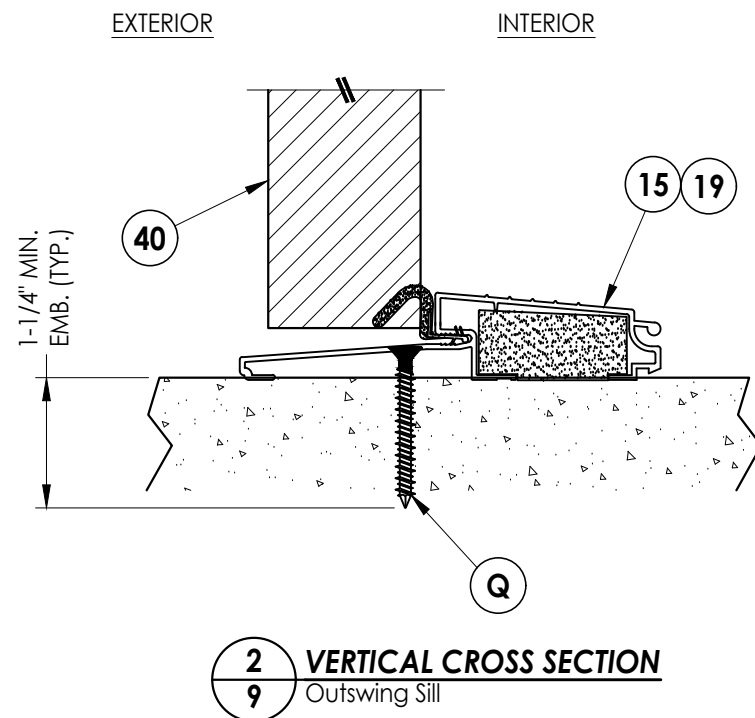
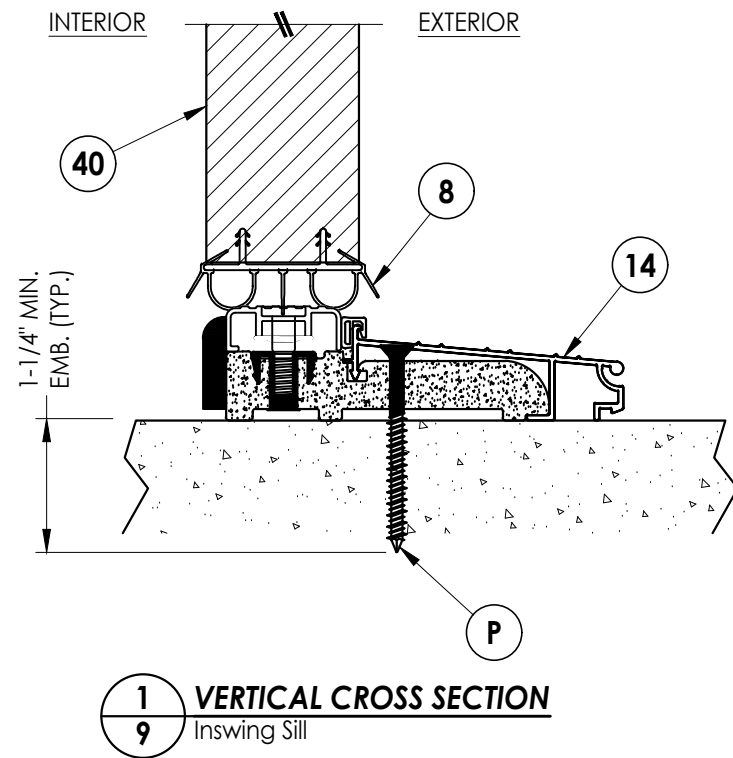
DWG. BY: LFS

CHK. BY: RW

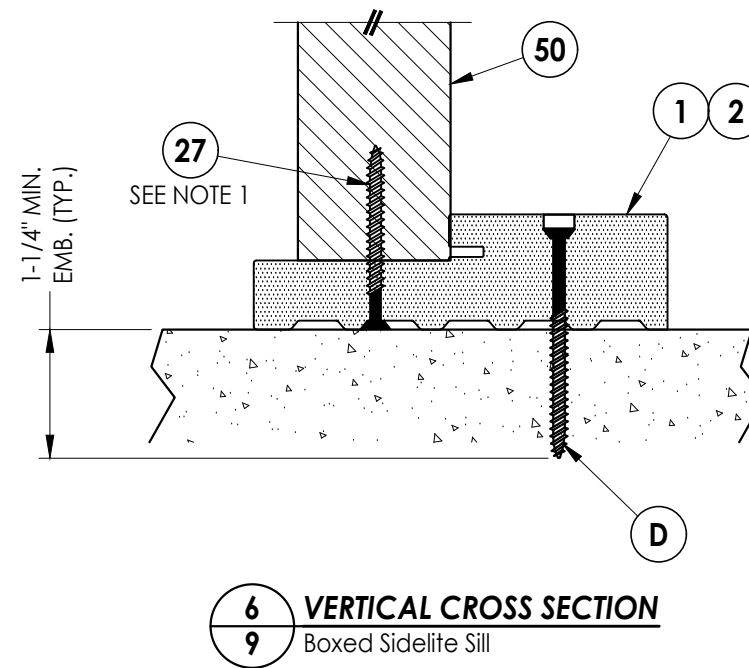
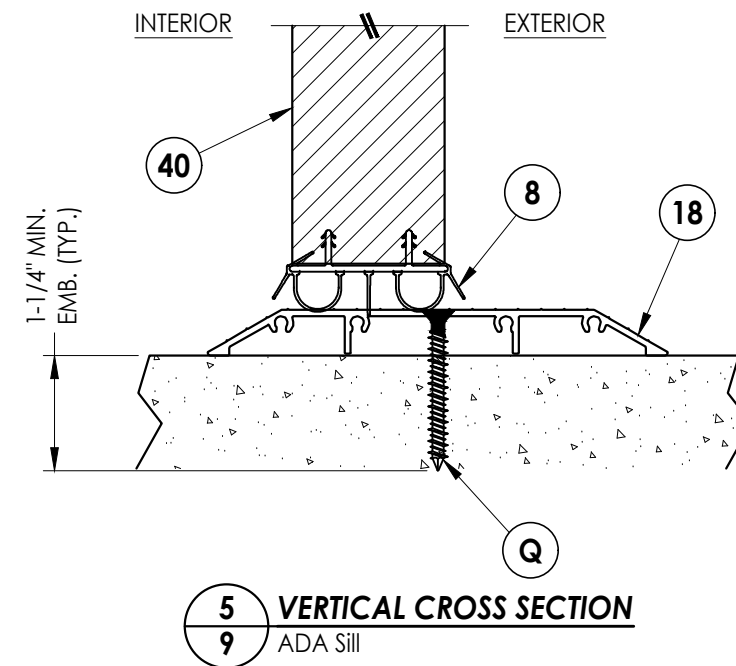
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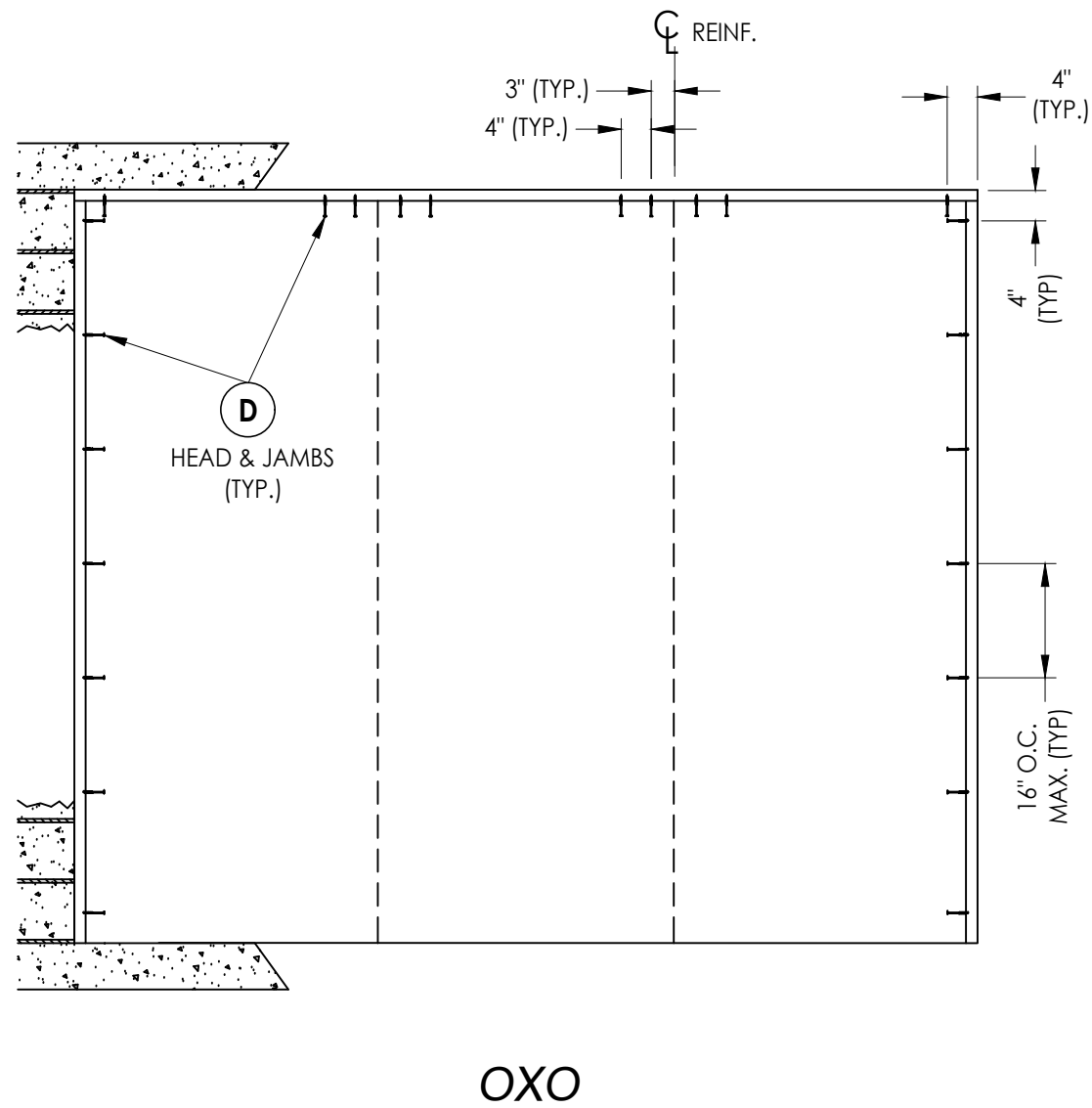
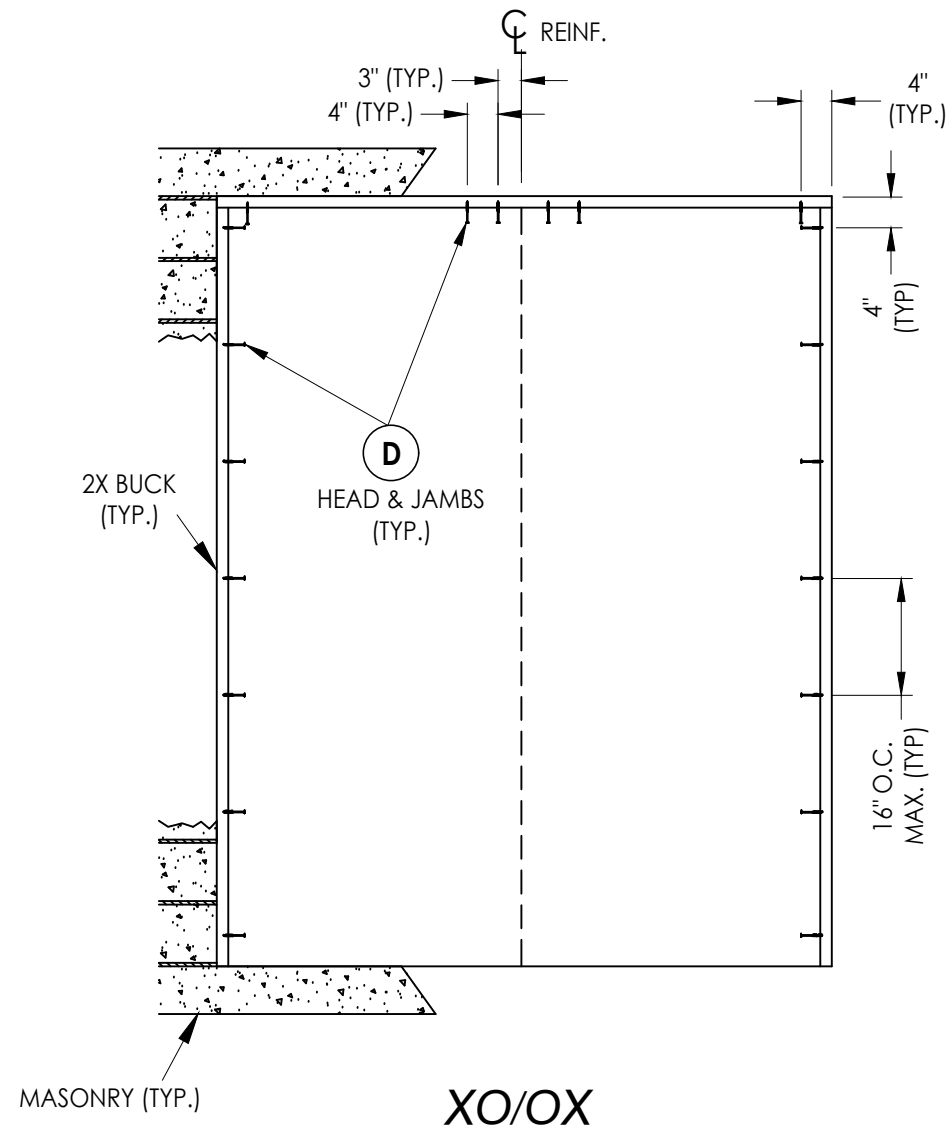
FL-46121.3

SHEET 8 OF 12



NOTE:
1. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM EACH
END (2 TOTAL).

[illegible]



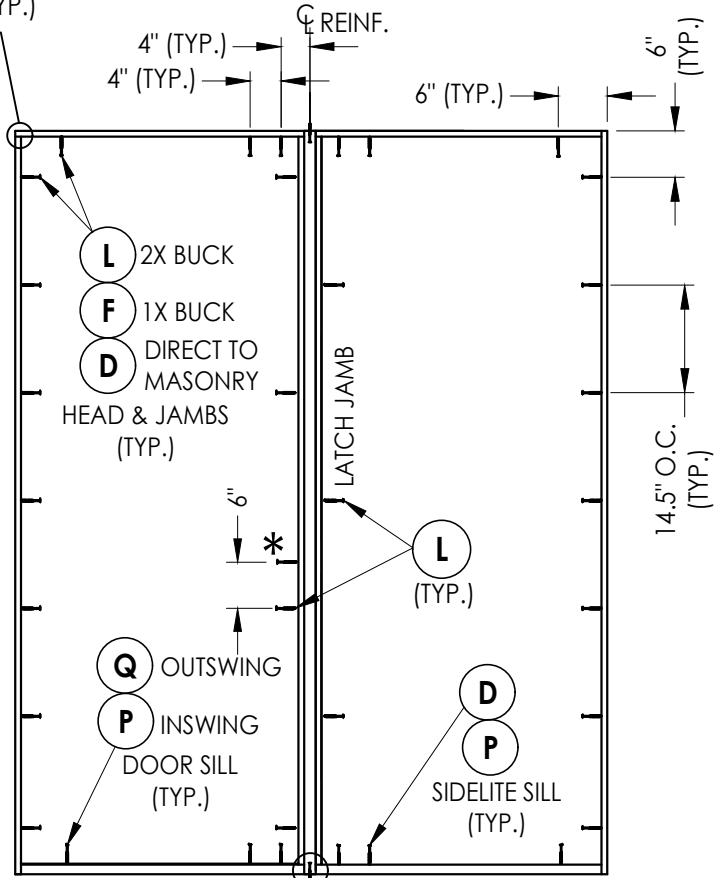
2X BUCK ANCHORING

[illegible]

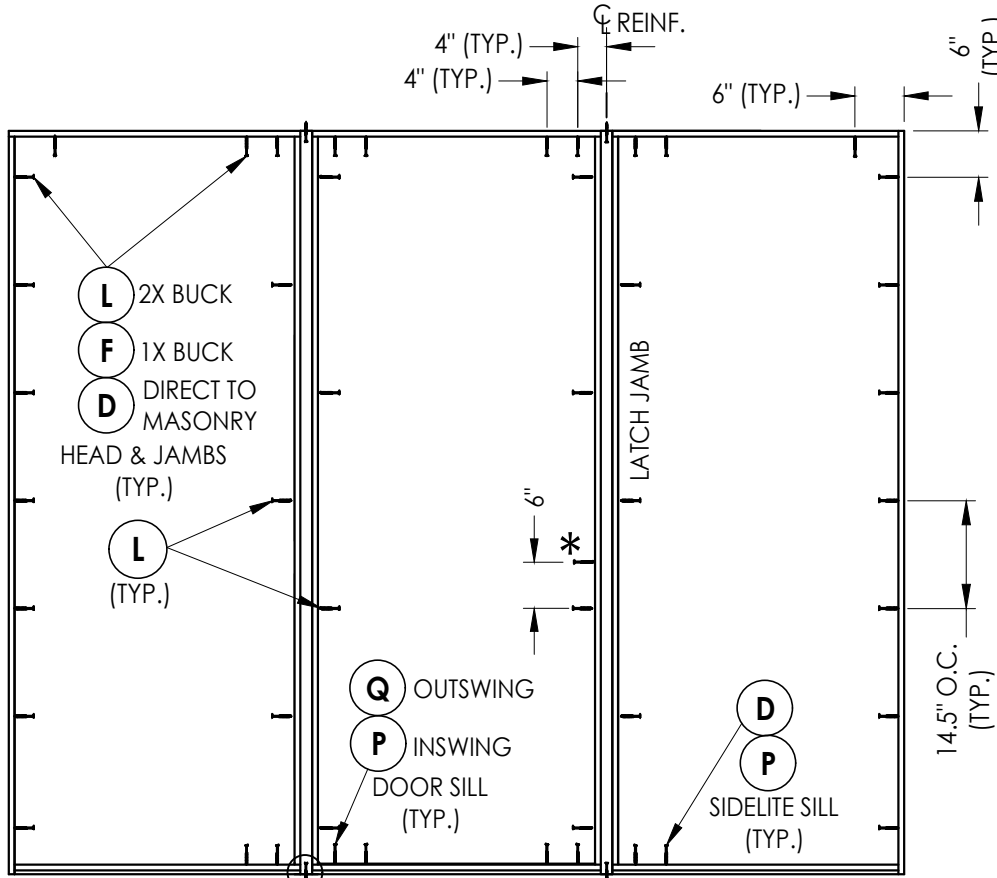
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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

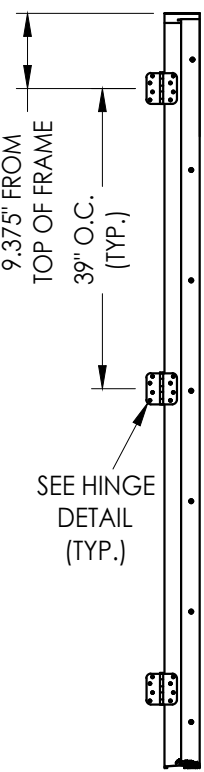


XO/OX
SEE MULLION
TOENAIL DETAIL
(TYP.)

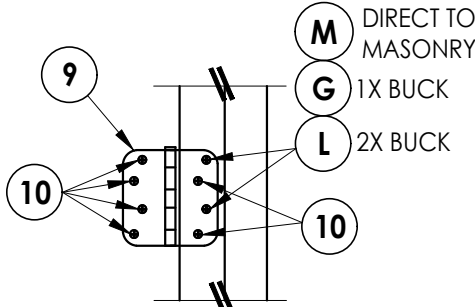


SEE MULLION
TOENAIL DETAIL
(TYP.)

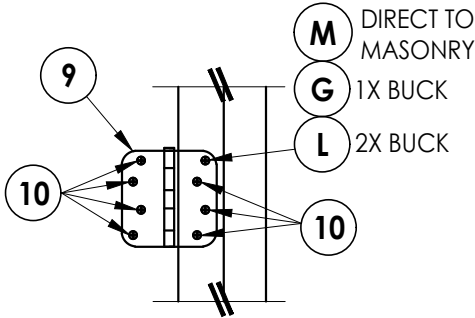
OXO



HINGE JAMB

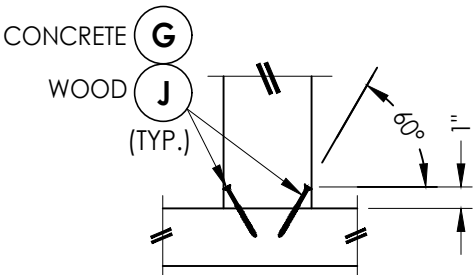


HINGE DETAIL
INSWING

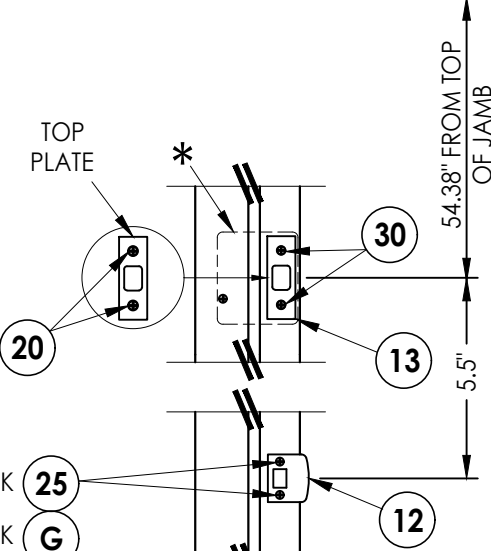


HINGE DETAIL
OUTSWING

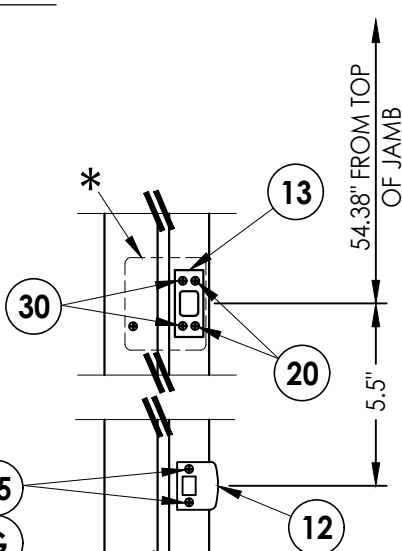
FRAME ANCHORING



MULLION TOENAIL DETAIL
TYP. @ HEAD & SILL
(1X BUCK: EXTEND MULLION TO SUBSTRATE)



STRIKE PLATE DETAIL
SCHLAGE LOCKSET



STRIKE PLATE DETAIL
KWIKSET LOCKSET

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	
</			

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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
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
X	2X REINFORCEMENT (G = 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
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

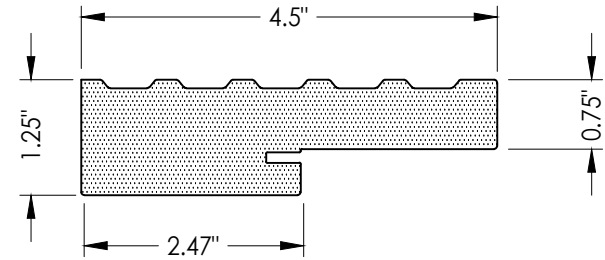
CONCRETE ANCHOR NOTES:

- 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:

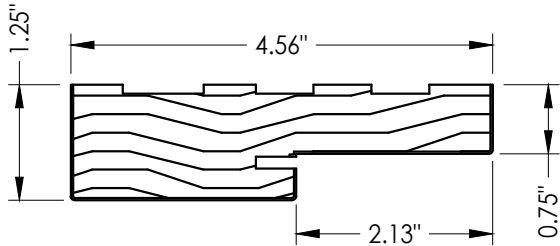
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

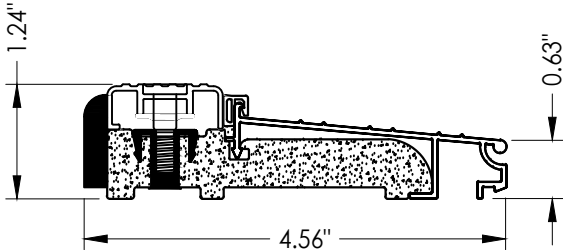
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



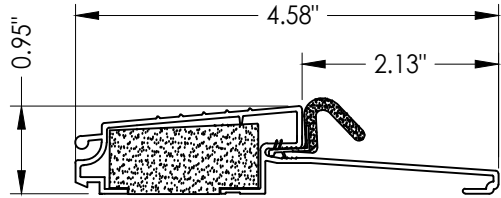
1 COMPOSITE JAMB
STARLINK SURE JAMB



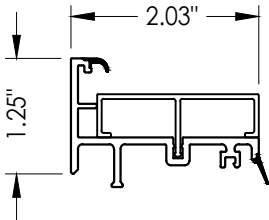
2 WOOD JAMB
FINGER JOINTED PINE



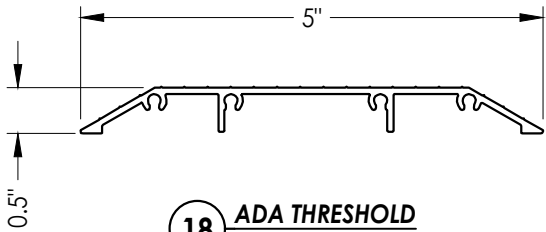
14 INSWING THRESHOLD
AFCO A-276



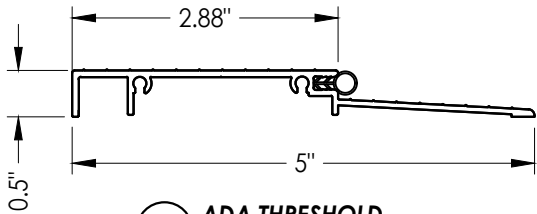
15 OUTSWING THRESHOLD
AFCO A-117



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	BY	REVISIONS

DATE: 5/14/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46121.3

SHEET 12 OF 12