

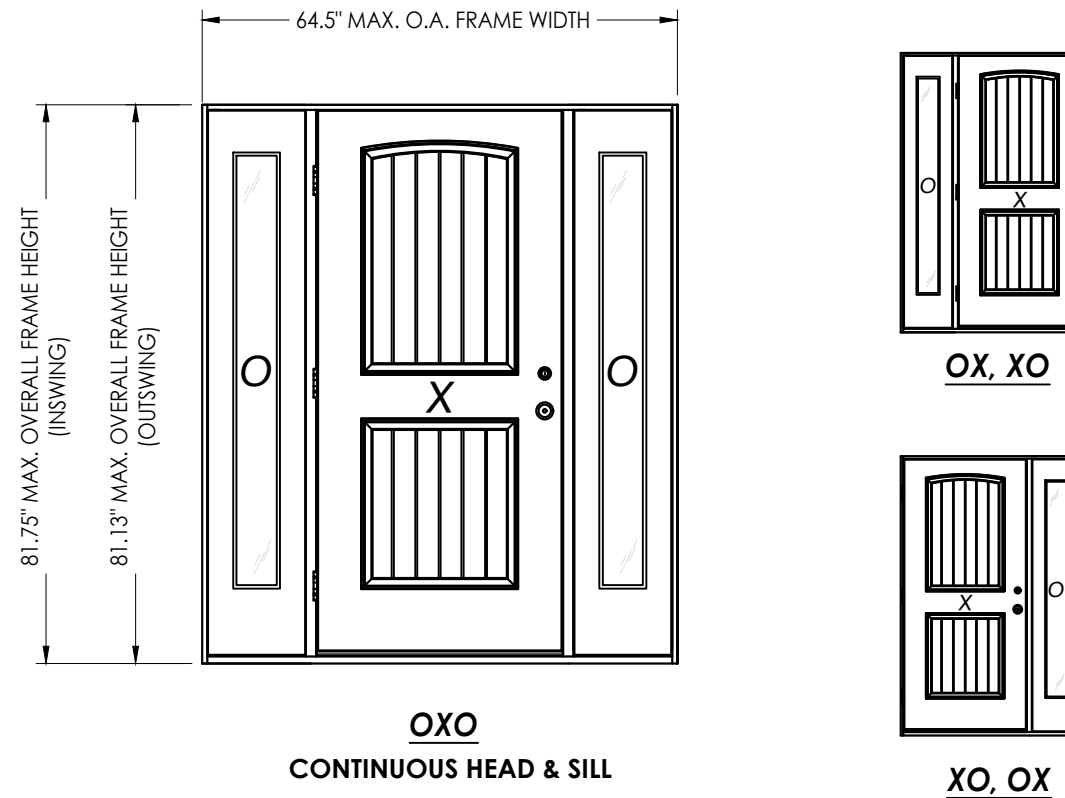


**OPAQUE FIBERGLASS DOOR
SINGLE w/ SIDELITE(S)
INSWING/OUTSWING
"NON-IMPACT"**

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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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7	Horizontal & Vertical Cross Sections (2X Buck)		



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO	51.0" x 81.75"	+50.0	-50.0	+50.0	-50.0
OXO	64.5" x 81.75"	+50.0	-50.0	+50.0	-50.0

Digitally signed by
Lyndon F Schmidt
Date: 2026.07.02
14:49:26 -04'00'

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:	YOUNG MFG FIBERGLASS DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

[illegible]

DATE: 9/10/24

SCALE: N.T.S.

DWG. BY: LFS

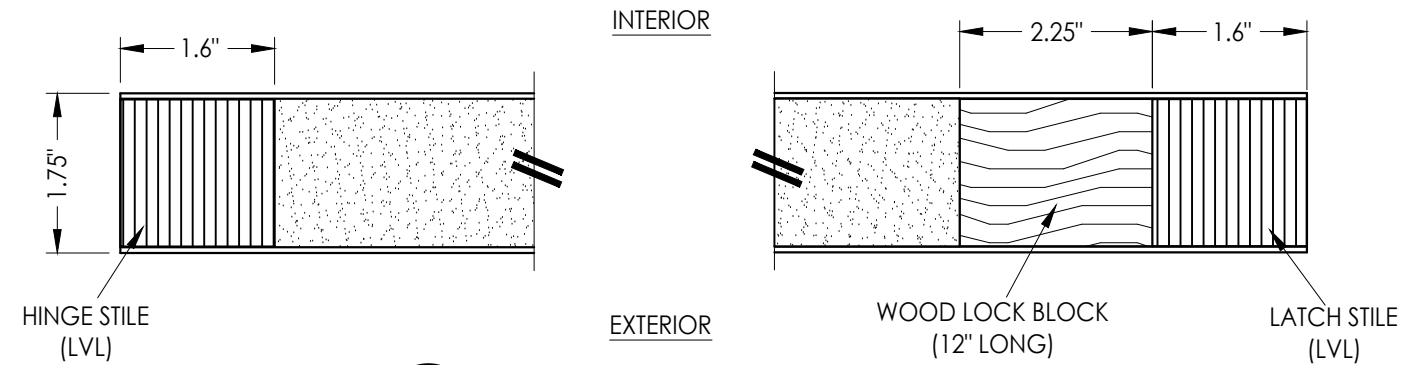
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DRAWING NO.:

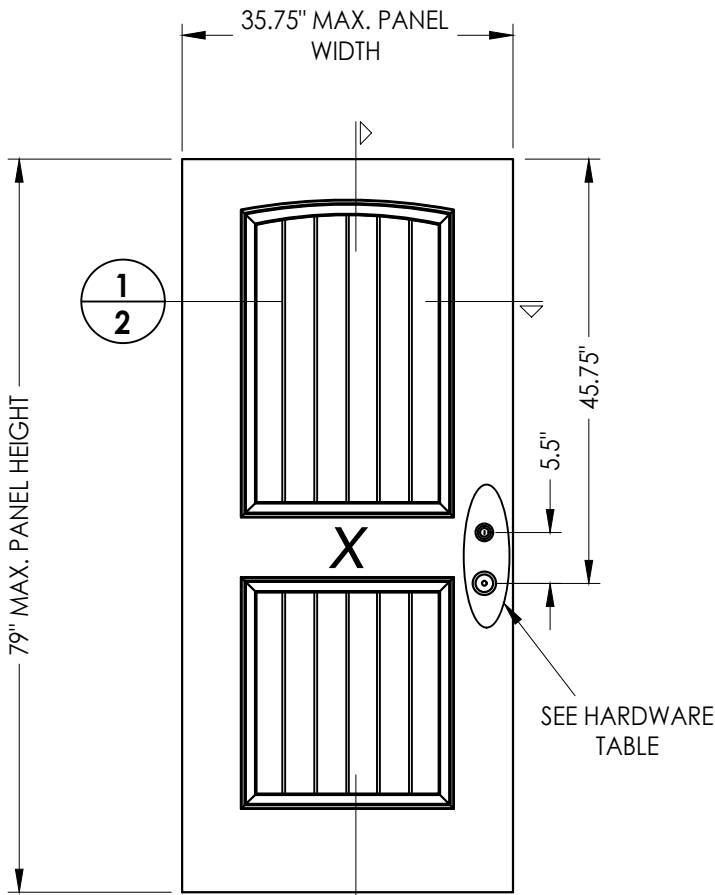
FL-47793.6

SHEET 1 OF 13

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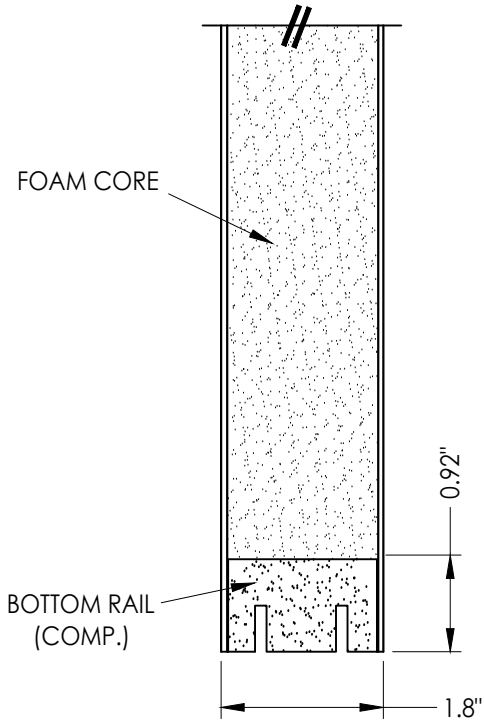
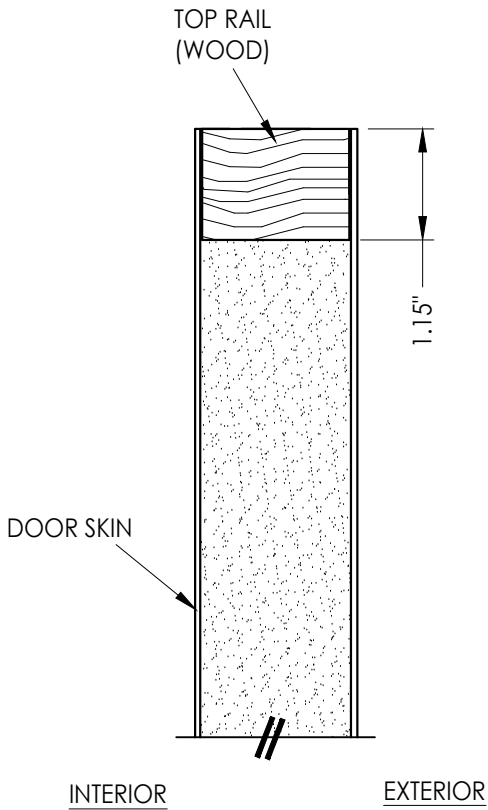
1
2 **HORIZONTAL CROSS SECTION**



2
2 **FIBERGLASS DOOR PANEL**
Masonite

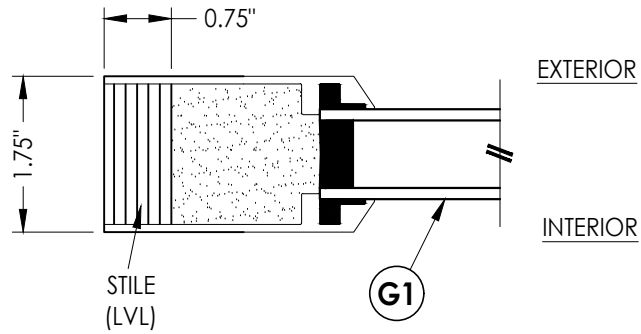
FIBERGLASS SKIN: 0.080" MIN. THK.
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)

HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SERIES (660)
SCHLAGE	KNOB:	F SERIES
	DEADBOLT:	B60 SERIES

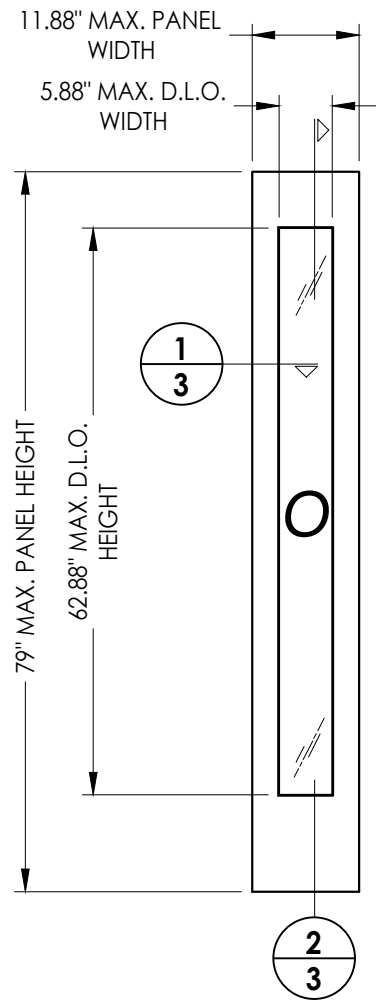


2
2 **VERTICAL CROSS SECTION**

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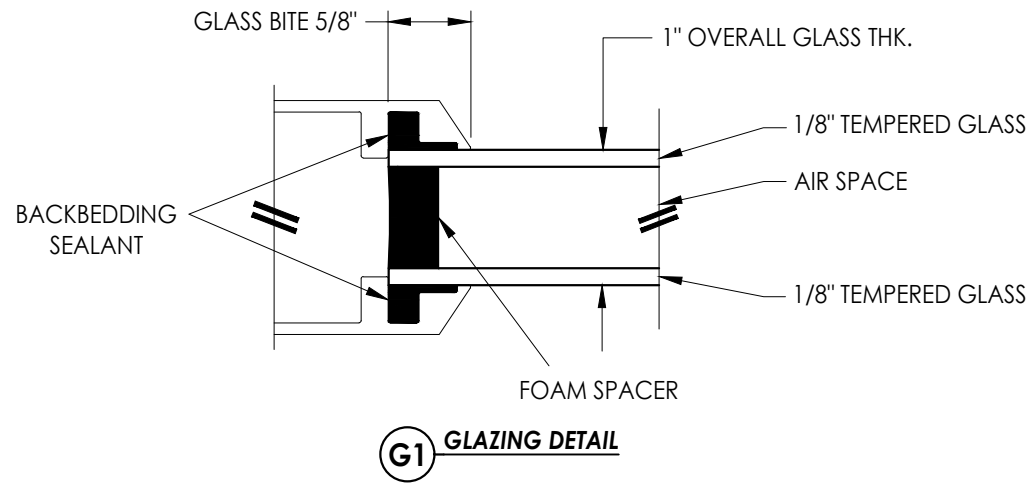


**1
3** HORIZONTAL CROSS SECTION

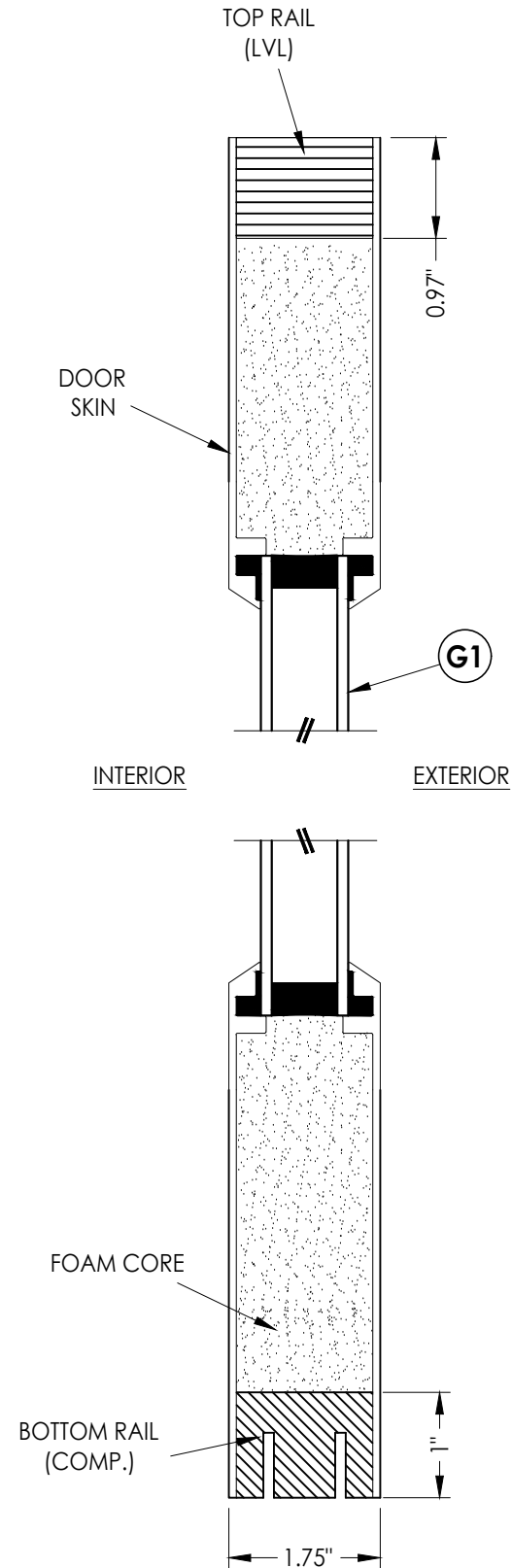


50 FIBERGLASS SIDELITE PANEL
Masonite

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



G1 GLAZING DETAIL



**2
3** VERTICAL CROSS SECTION

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Lyndon F. Schmidt
P.E. No. 43409

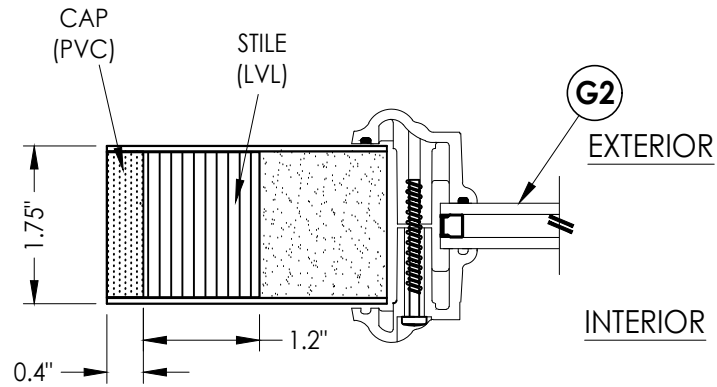
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	YOUNG MFG FIBERGLASS DOOR
PART OR ASSEMBLY:	SIDELITE PANEL & LITE FRAME GLAZING DETAILS

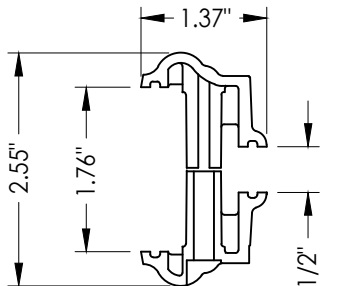
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		LFS
		BY

DATE:	9/10/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-47793.6
SHEET	3 OF 13

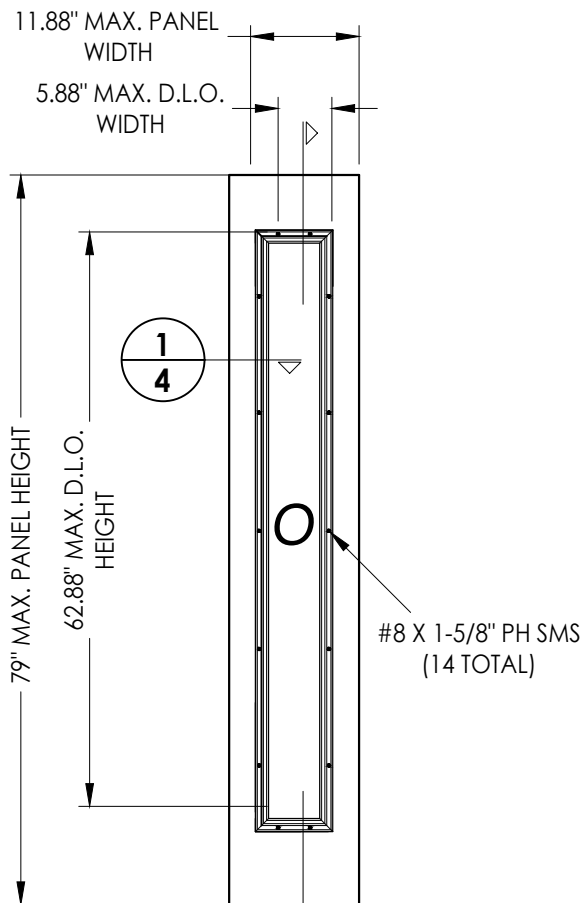
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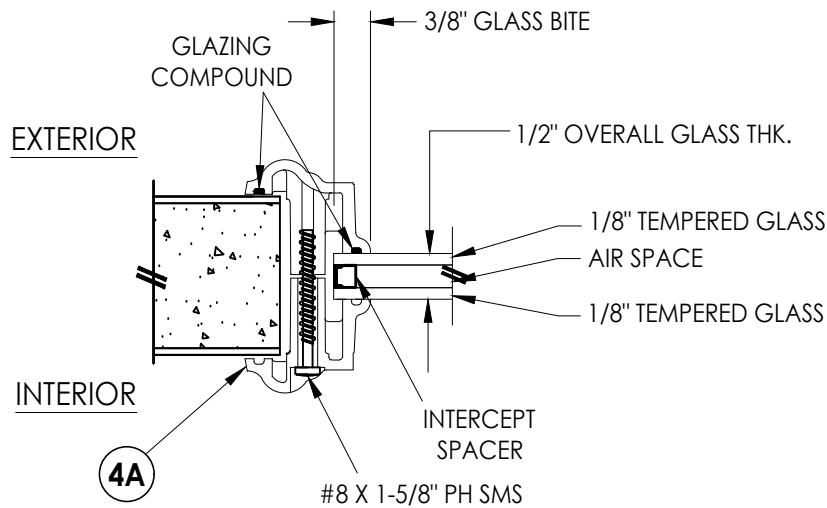
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4 HORIZONTAL CROSS SECTION



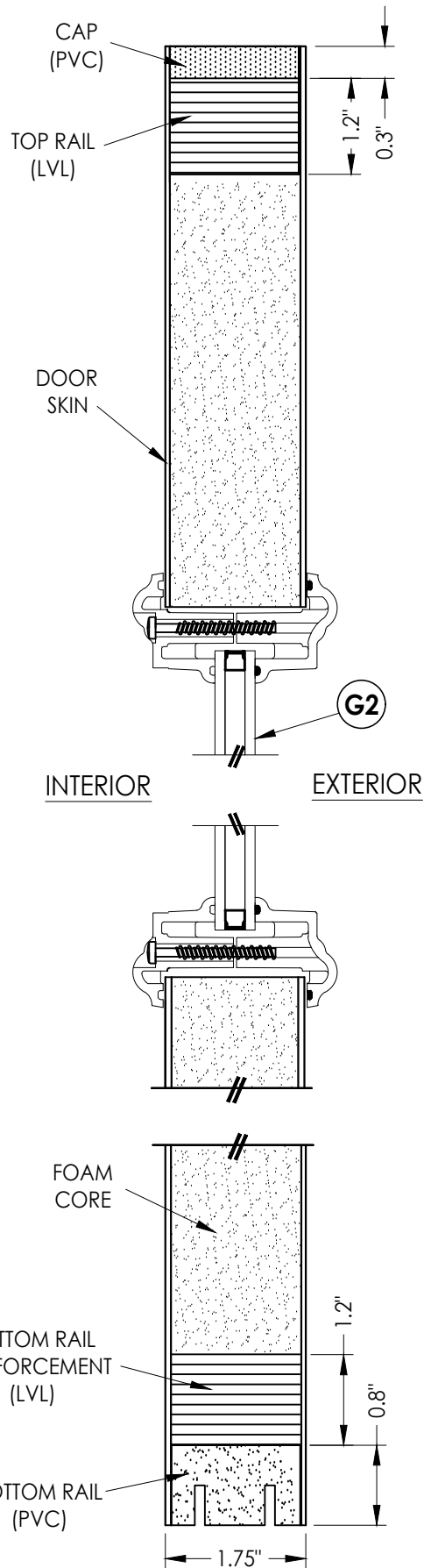
4A RSL LITE FRAME
INJECTION MOLDED



51 FIBERGLASS SIDELITE PANEL
Masonite



G2 GLAZING DETAIL



2
4 VERTICAL CROSS SECTION

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

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: YOUNG MFG
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL &
LITE FRAME GLAZING DETAILS

NO.	DATE	REVISIONS
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 9/10/24

SCALE: N.T.S.

DWG. BY: LFS

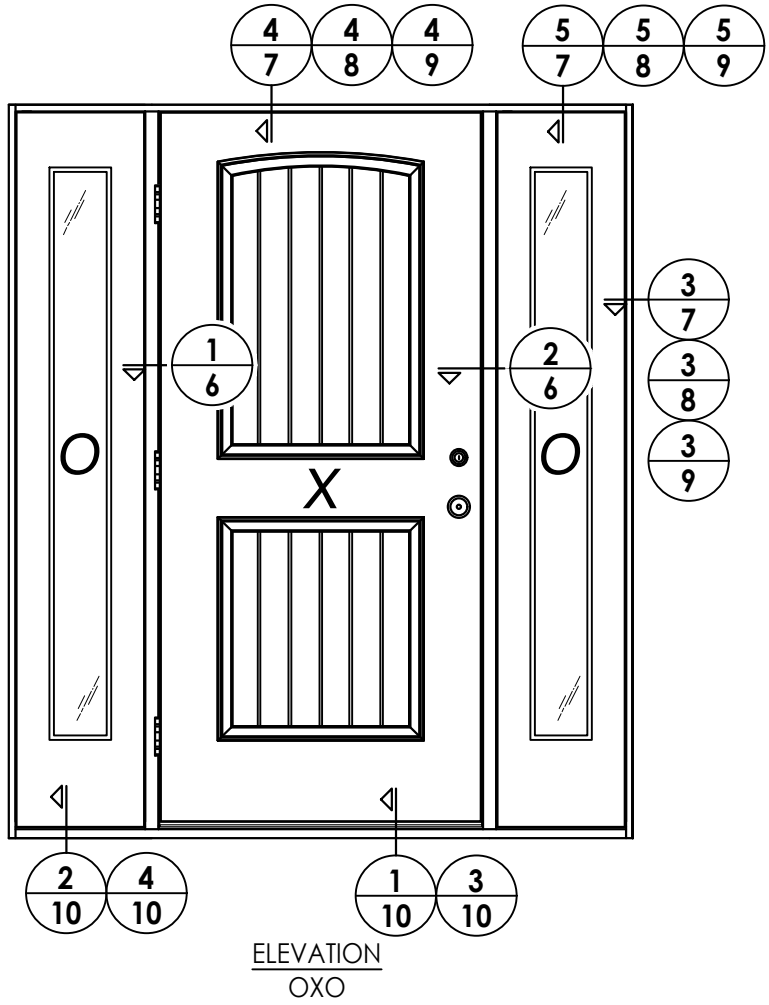
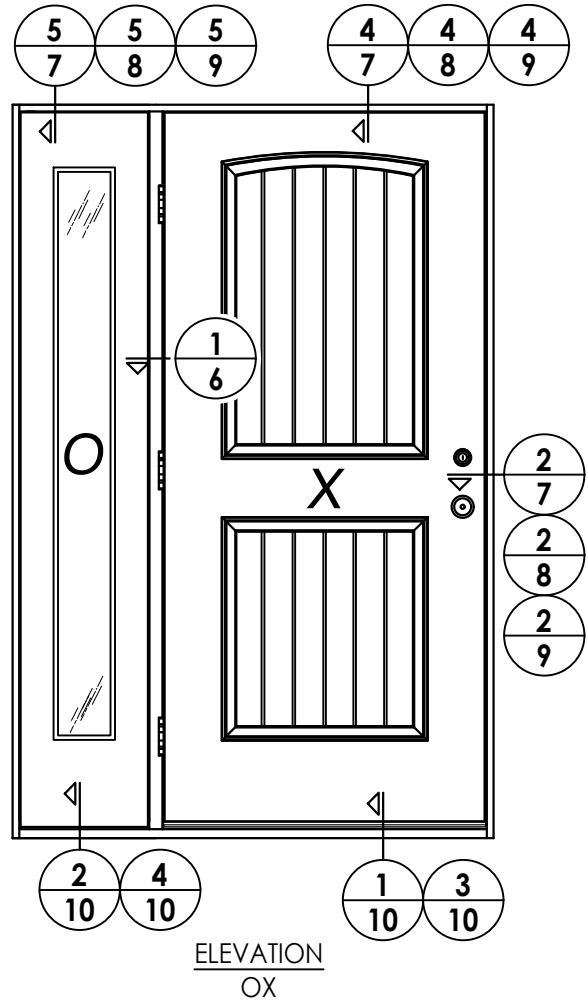
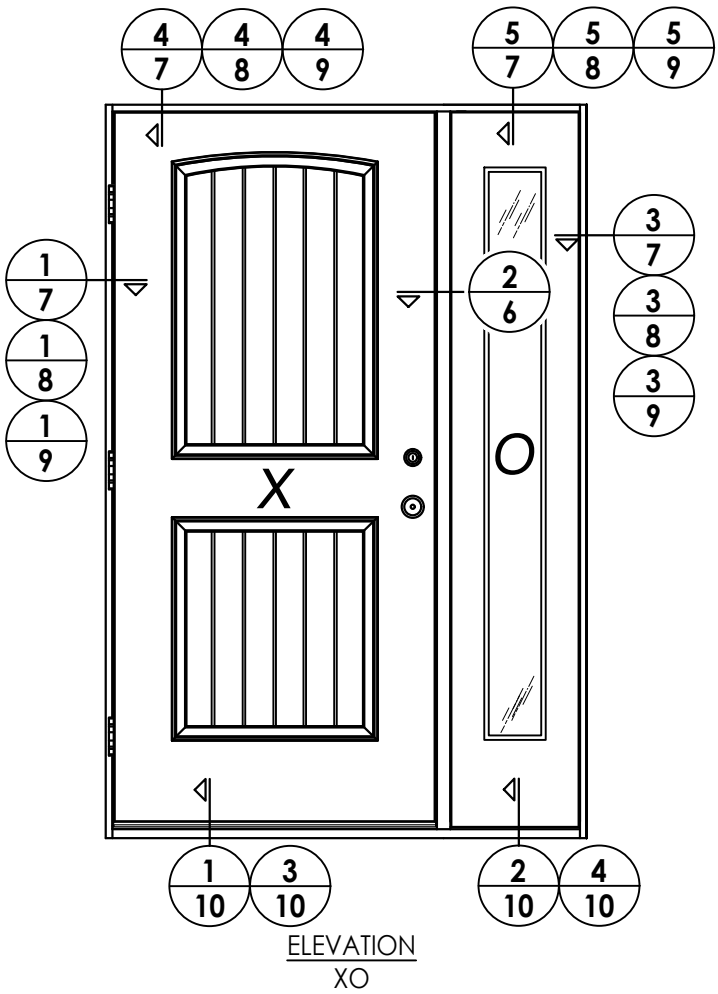
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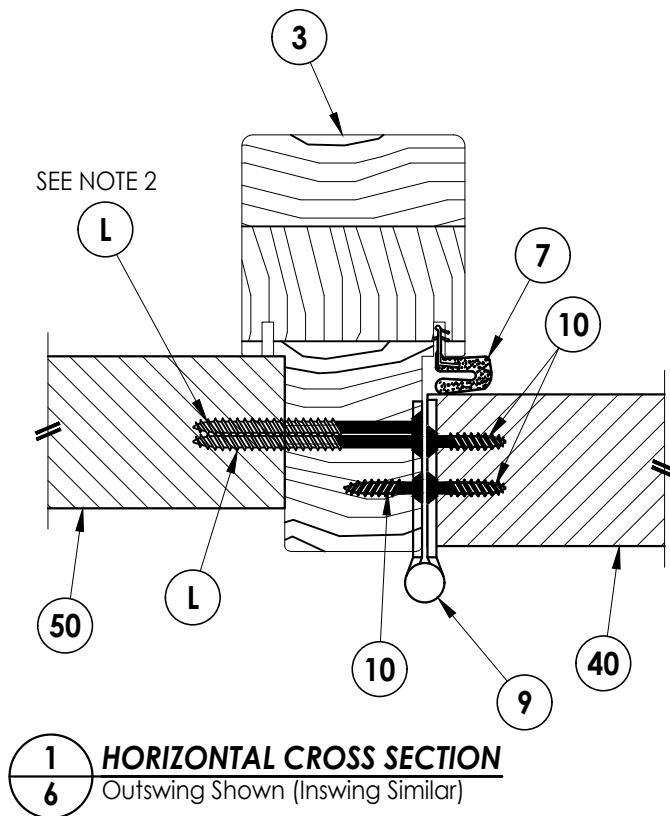
FL-47793.6

SHEET 4 OF 13

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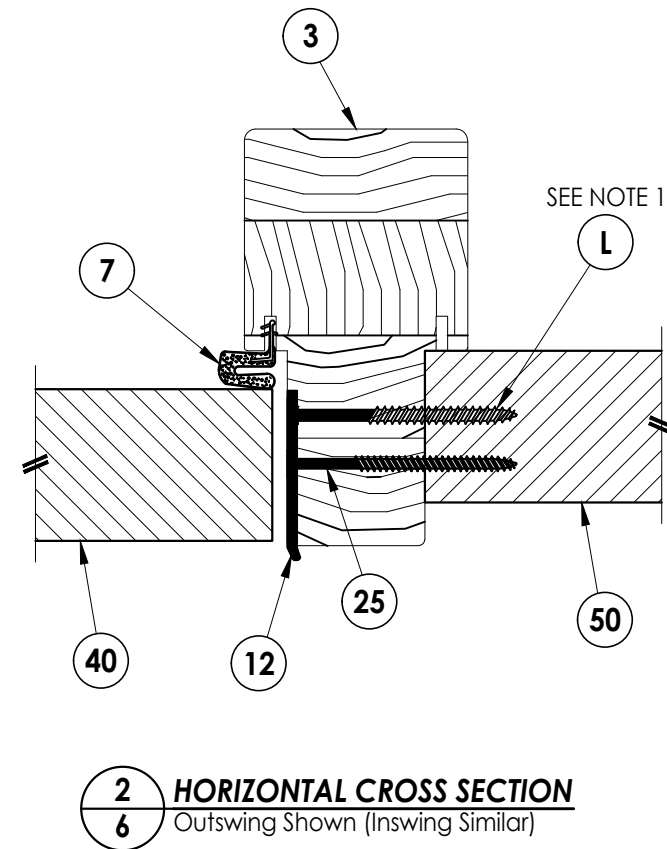


DATE: 9/10/24	
SCALE: N.T.S.	
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CHK. BY: RW	
DRAWING NO.: FL-47793.6	
SHEET 5 OF 13	
REVISIONS	
1	7/02/26 UPDATE TO 9TH ED. (2026) FBC
NO	DATE
PART OR ASSEMBLY: ELEVATIONS	
PRODUCT: 5 FIBERGLASS DOOR	
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	



EXTERIOR

INTERIOR



SEE NOTE 1

DATE: 9/10/24

SCALE: N.T.S.

DWG. BY: *LFS*

CHK. BY: *RW*

DRAWING NO.:

FL-47793.6

SHEET 6 OF 13

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

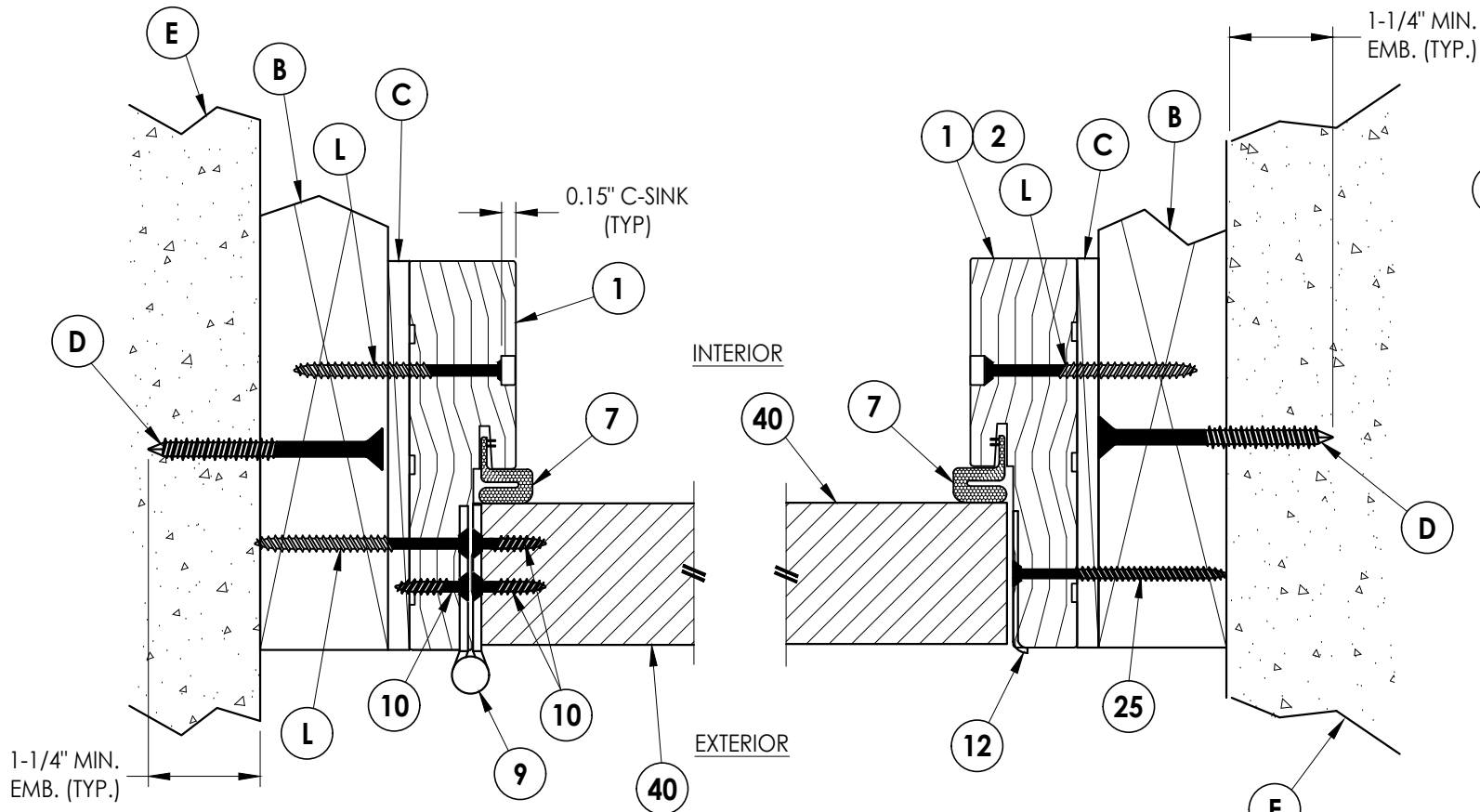
PRODUCT: YOUNG MFG
FIBERGLASS DOOR

PART OR ASSEMBLY:

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NO.	DATE			BY
DEVISIONS				

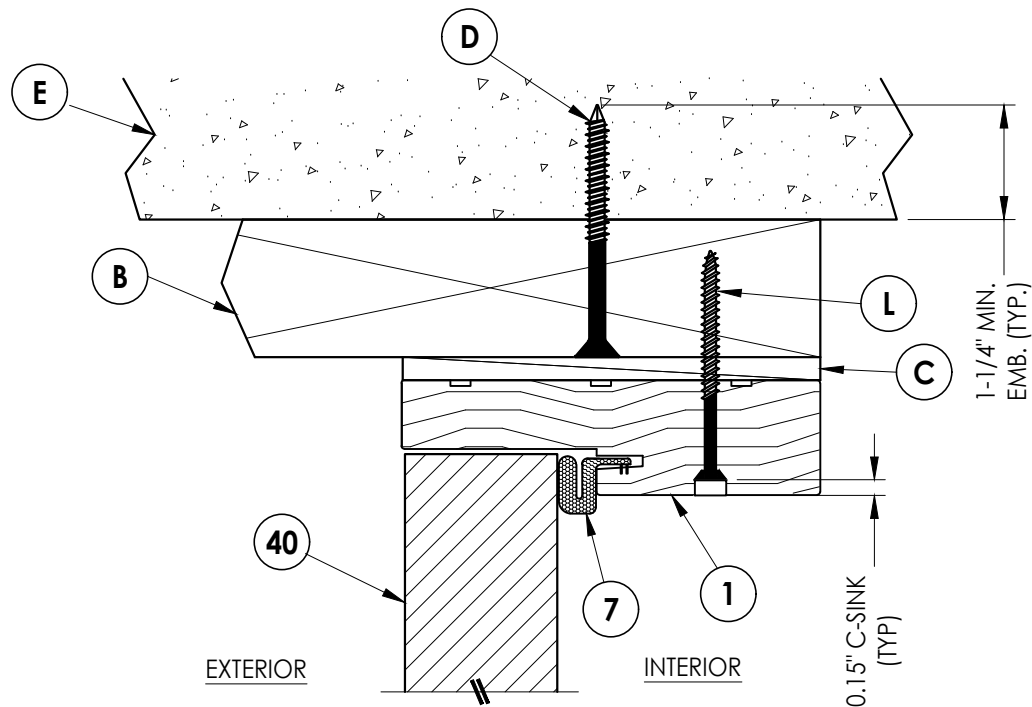
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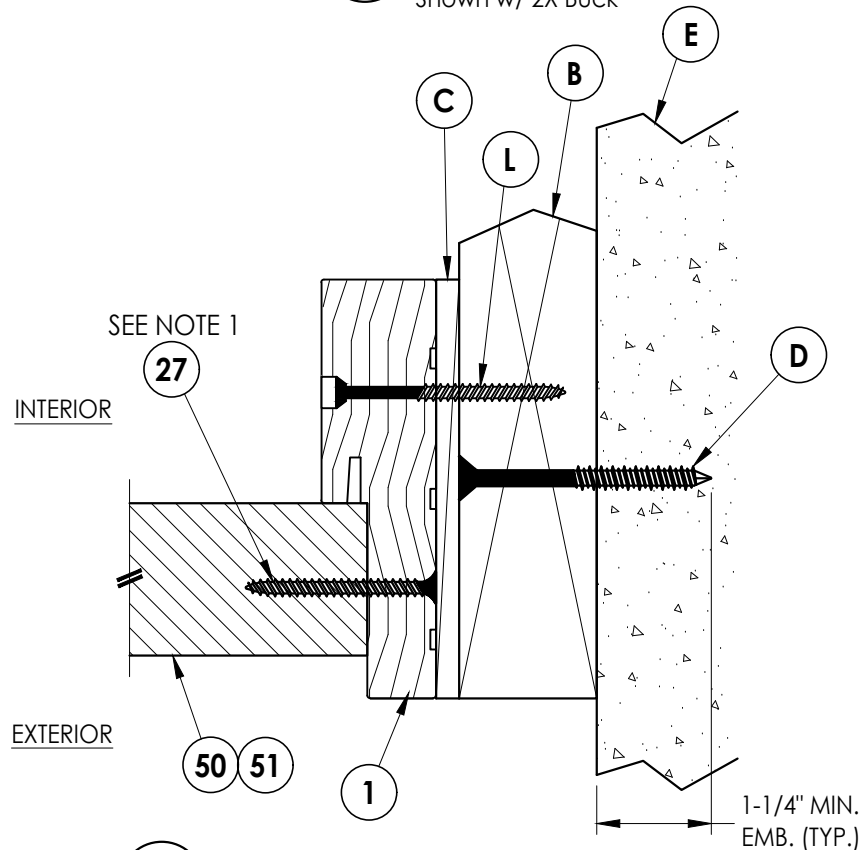


1
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

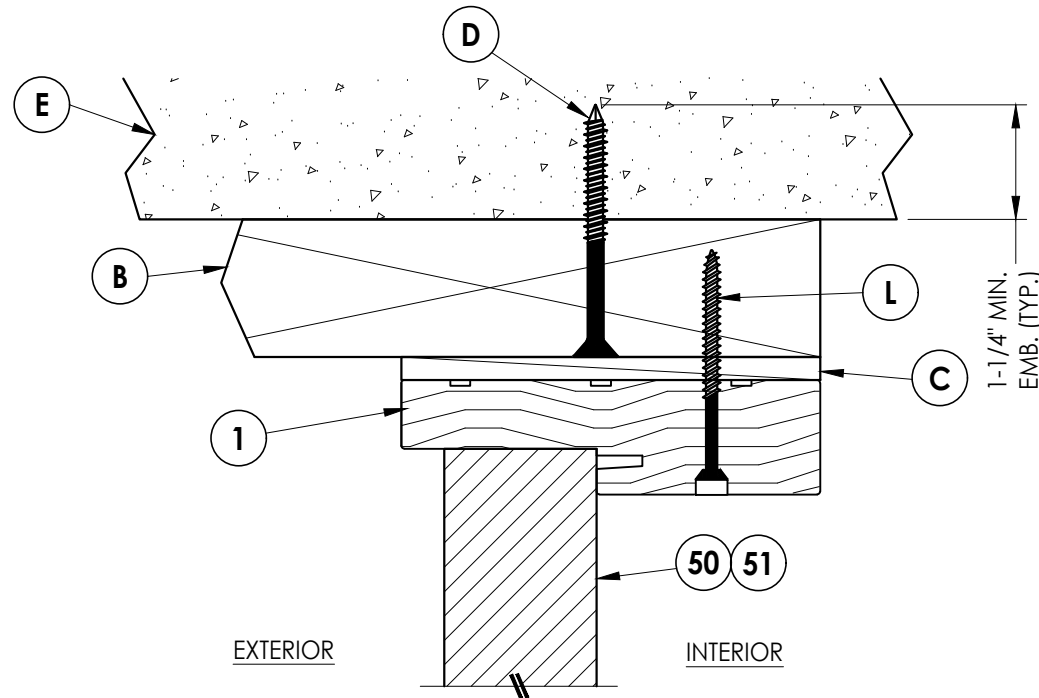
2
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



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 4 more equally spaced (6 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

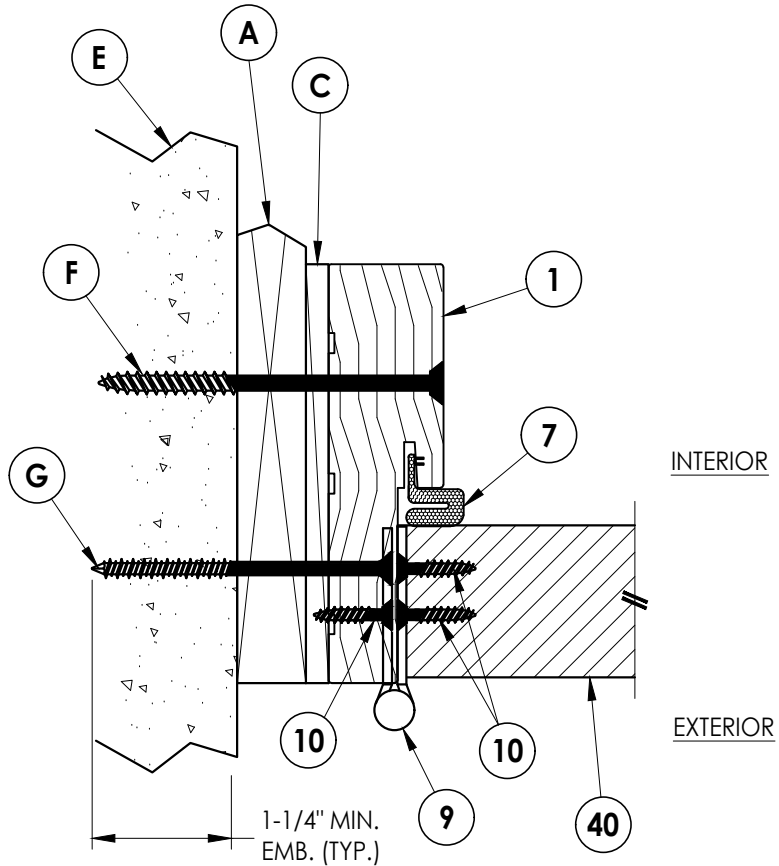
PRODUCT: YOUNG MFG
FIBERGLASS DOOR

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

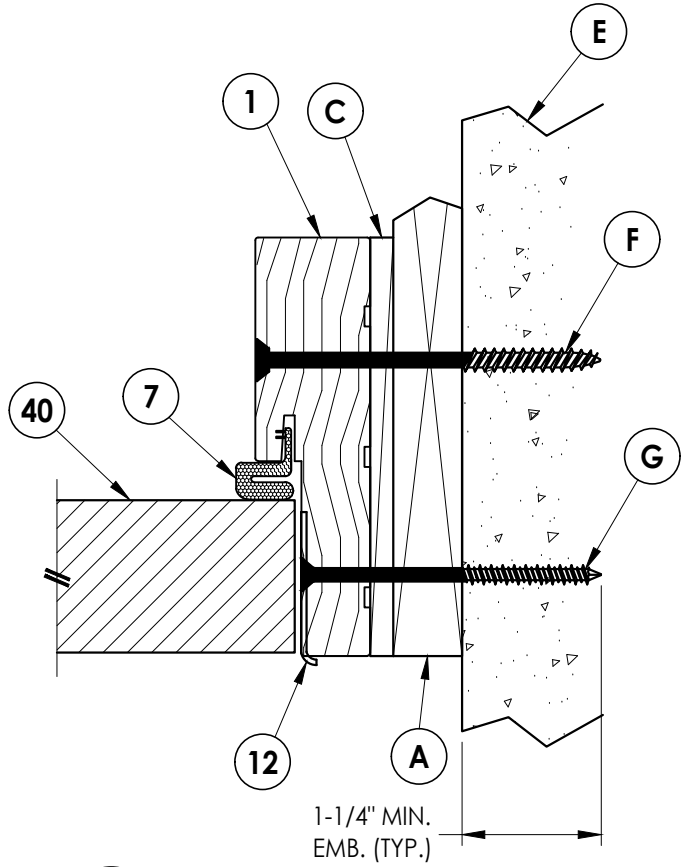
NO.	DATE	REVISIONS
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 9/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-47793.6
SHEET 7 OF 13

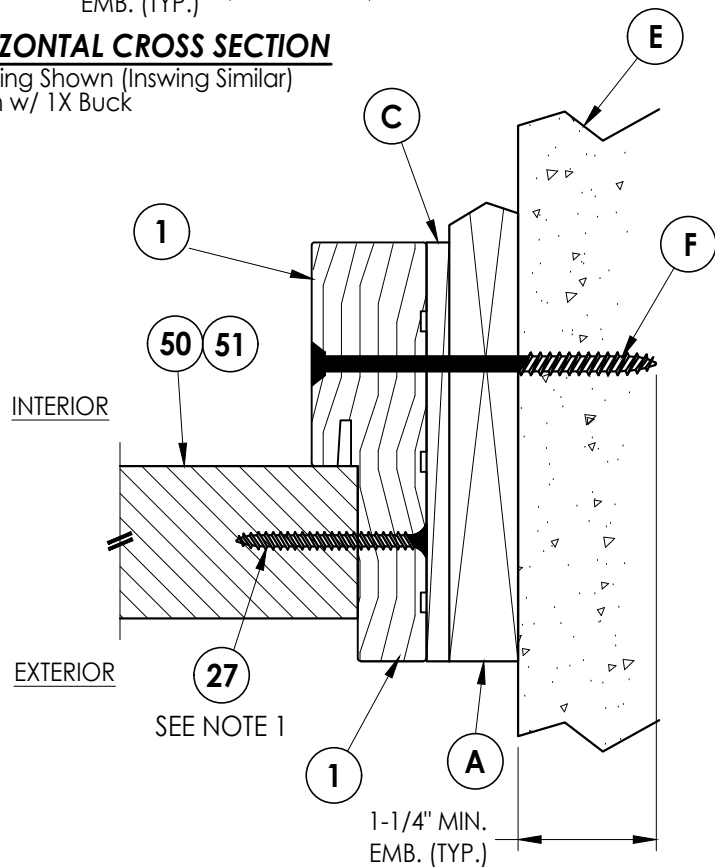
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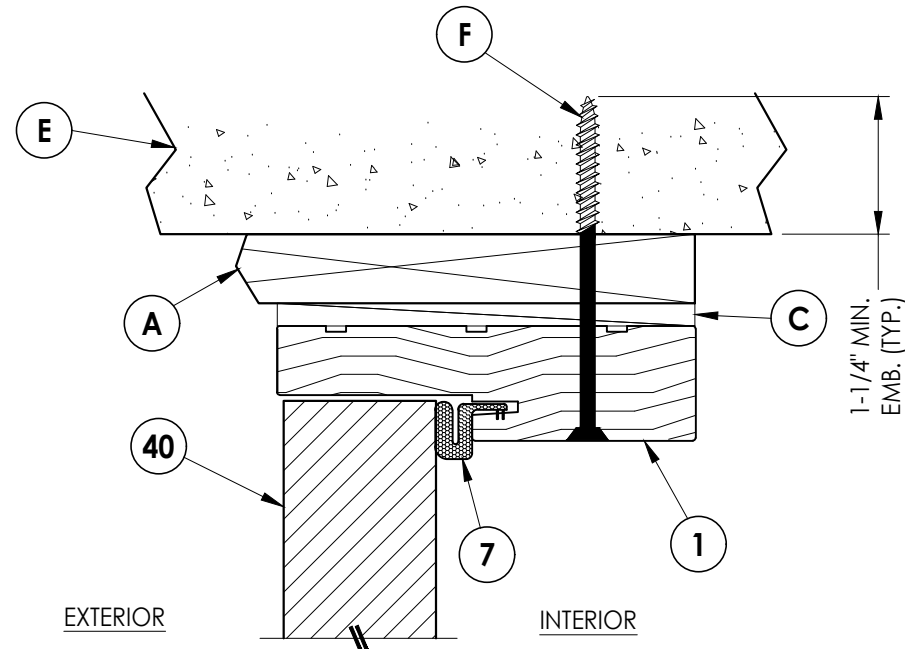
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8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



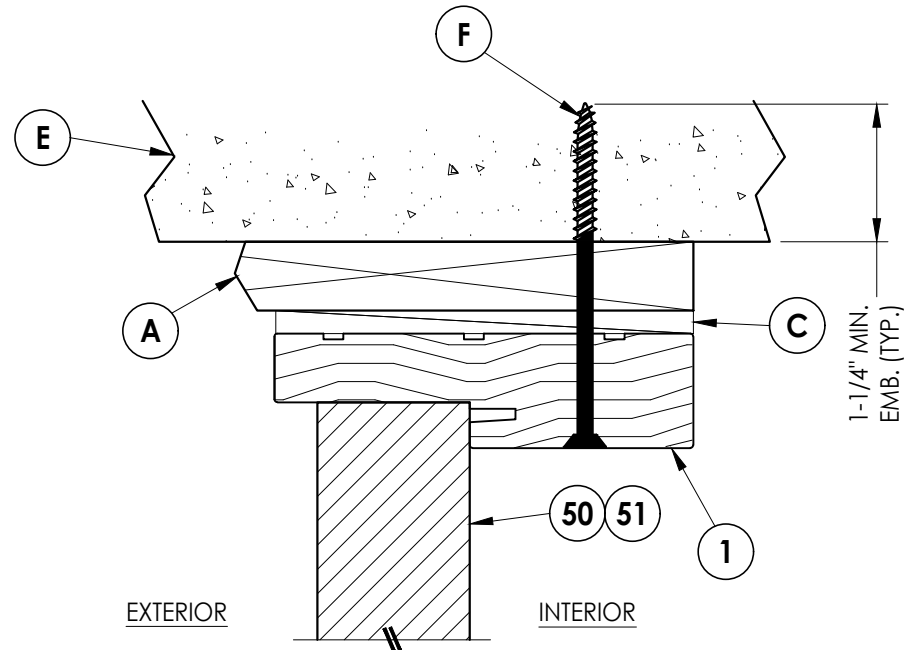
2
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



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



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



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

NOTE:
1. Sidelite assembly screws located 4" from each
end plus 4 more equally spaced (6 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: YOUNG MFG
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS	LFS	BY
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC		

DATE: 9/10/24

SCALE: N.T.S.

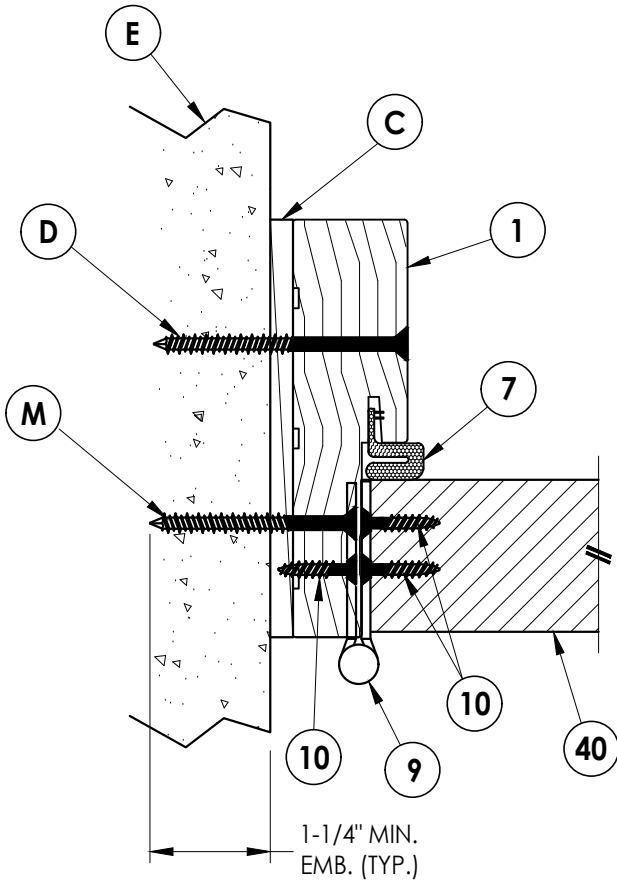
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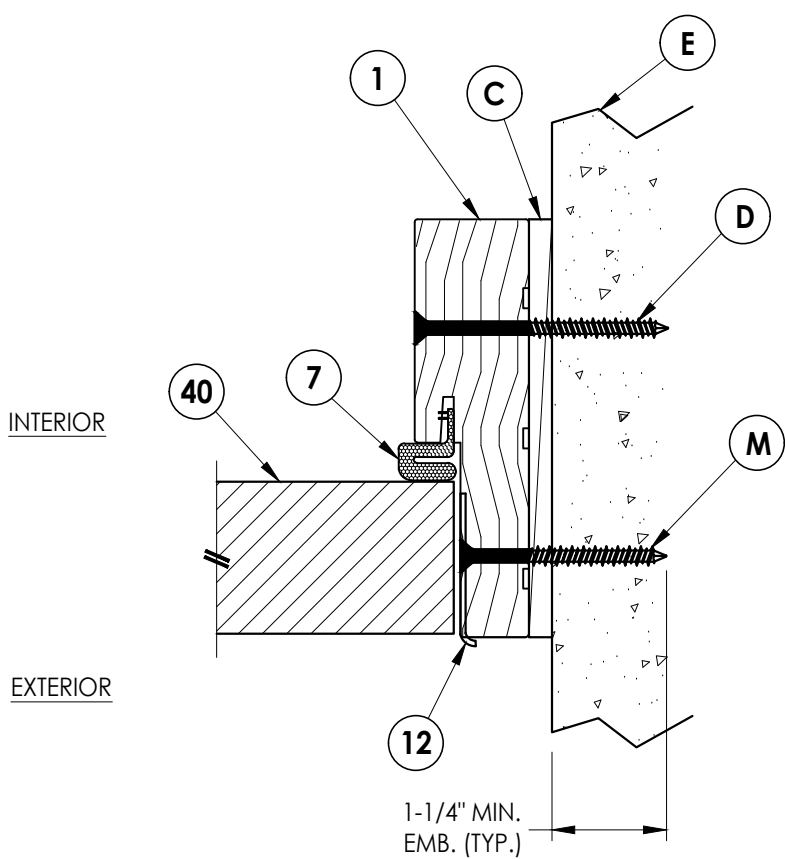
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SHEET 8 OF 13

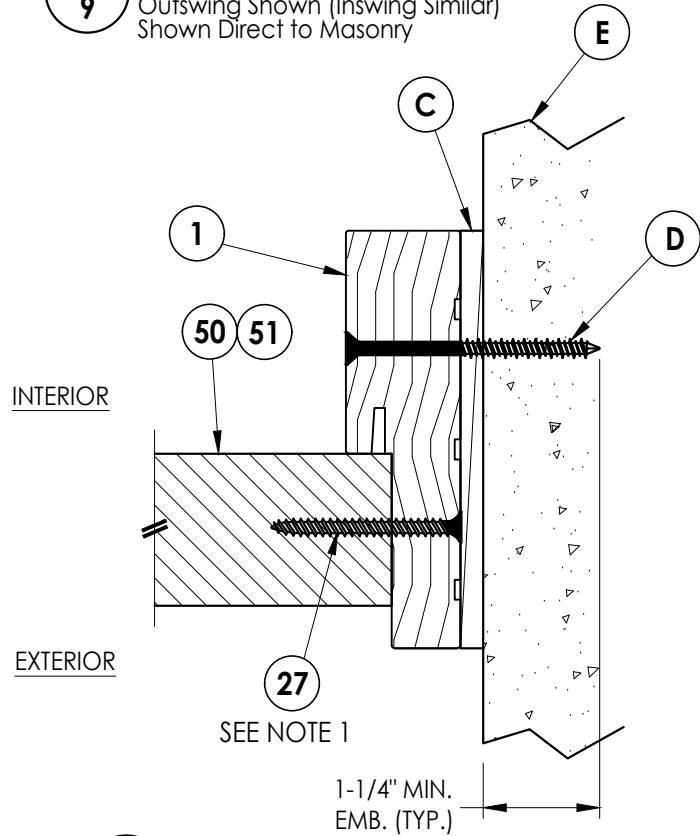
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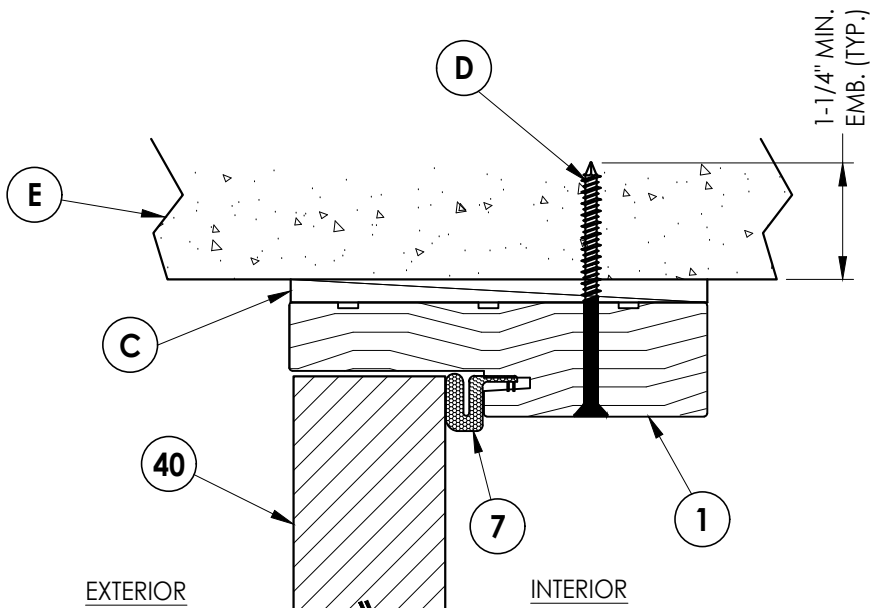
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



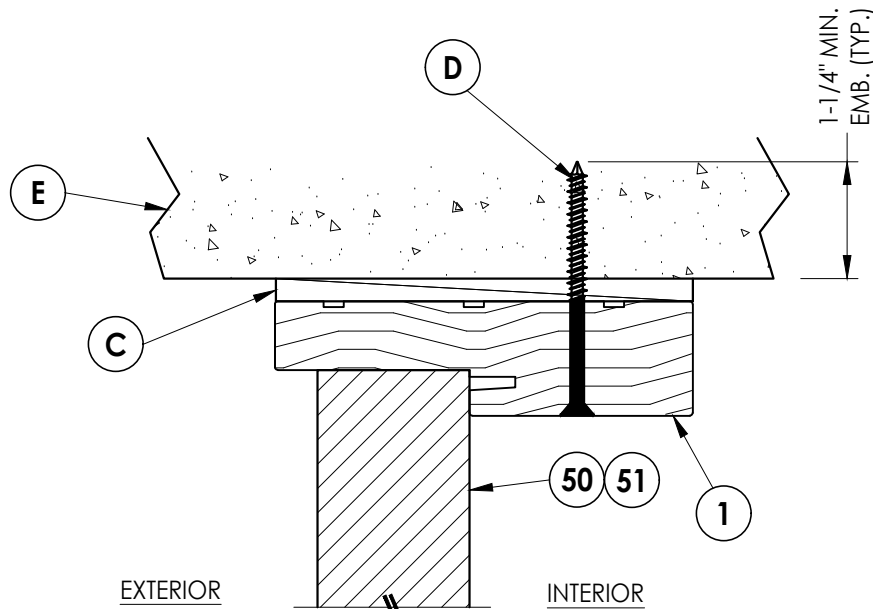
2
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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 4 more equally spaced (6 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: YOUNG MFG
FIBERGLASS DOOR

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

REVISIONS	
NO.	DATE
1	7/02/26
	UPDATE TO 9TH ED. (2026) FBC
	LFS
	BY

DATE: 9/10/24

SCALE: N.T.S.

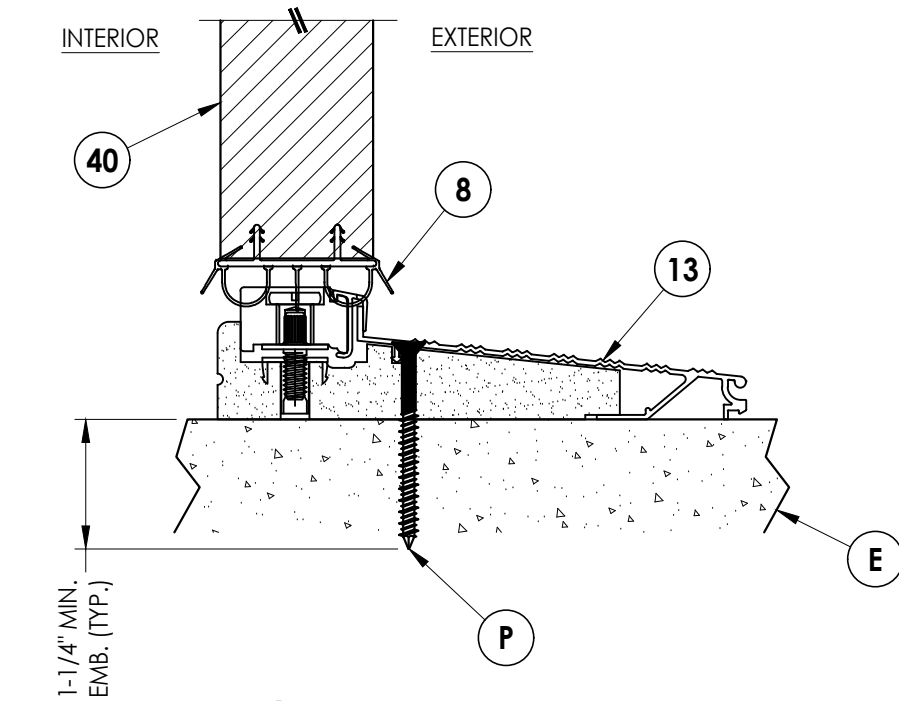
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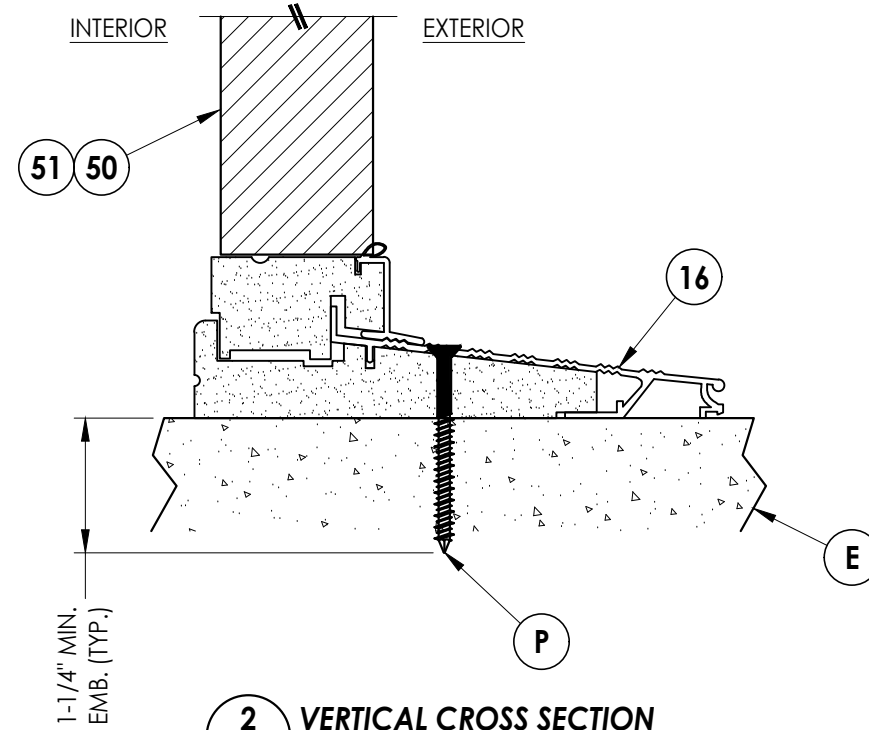
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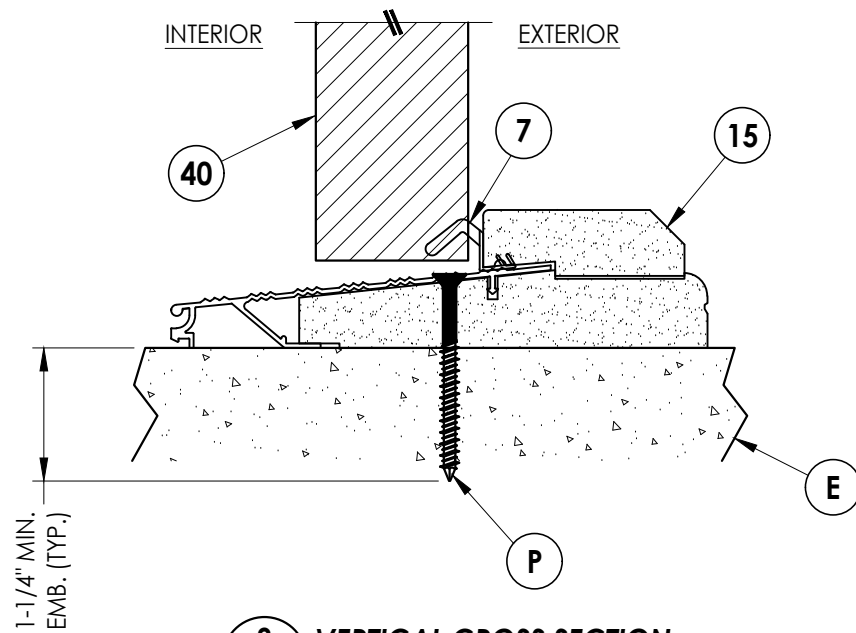
SHEET 9 OF 13



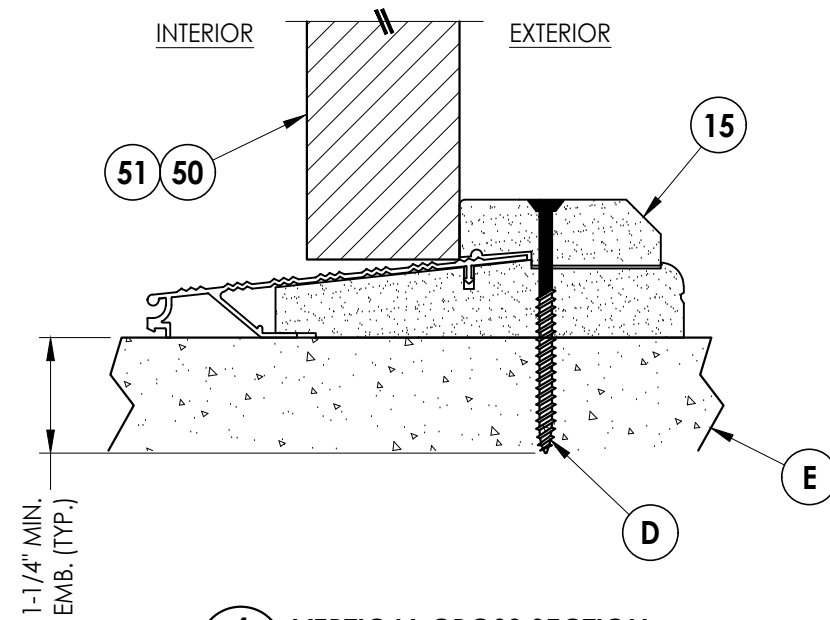
1 **VERTICAL CROSS SECTION**
10 Inswing Sill



2 **VERTICAL CROSS SECTION**
10 Inswing Sill



3 **VERTICAL CROSS SECTION**
10 Outswing Sill



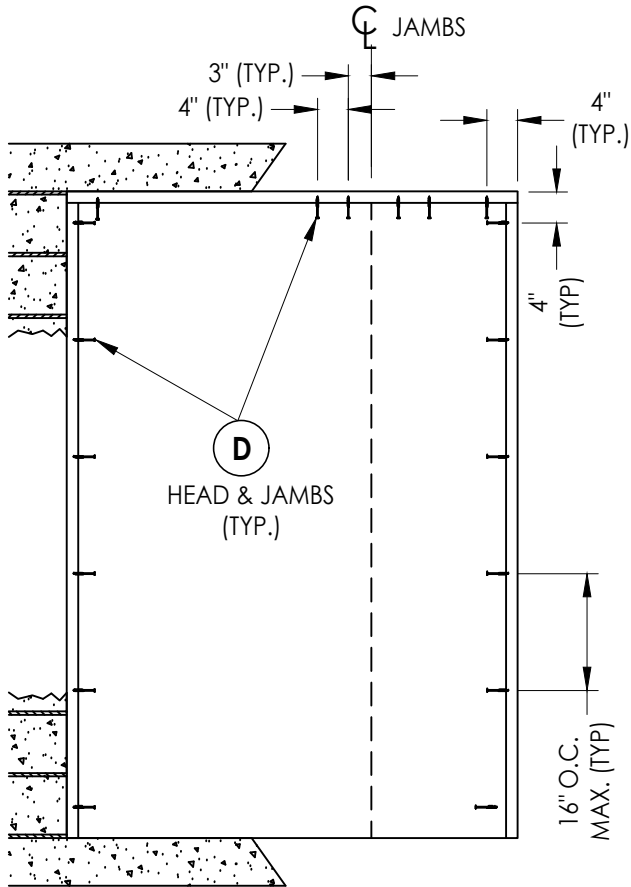
4 10 VERTICAL CROSS SECTION Outswing Sill

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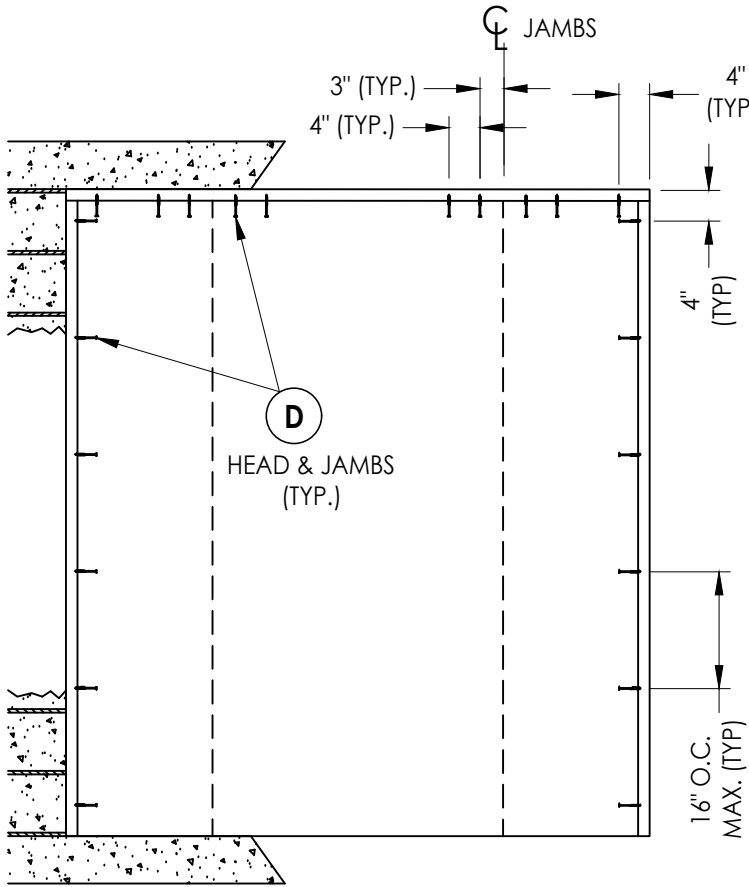
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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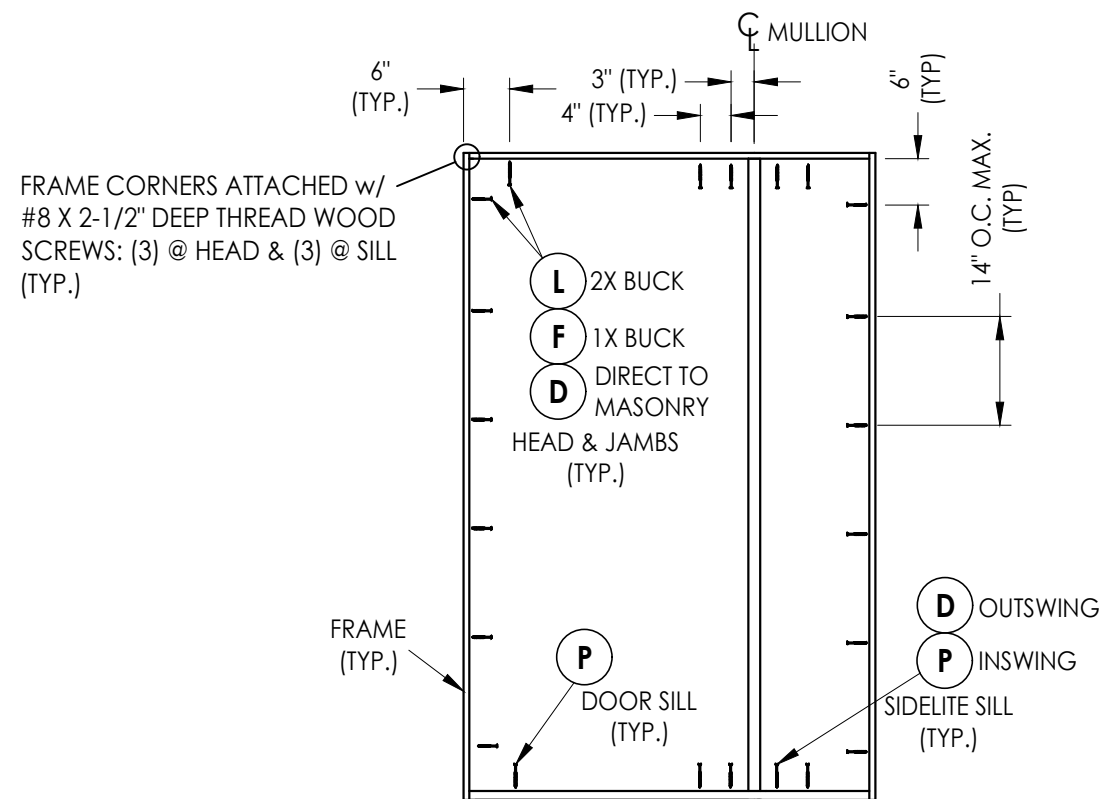
XO/OX



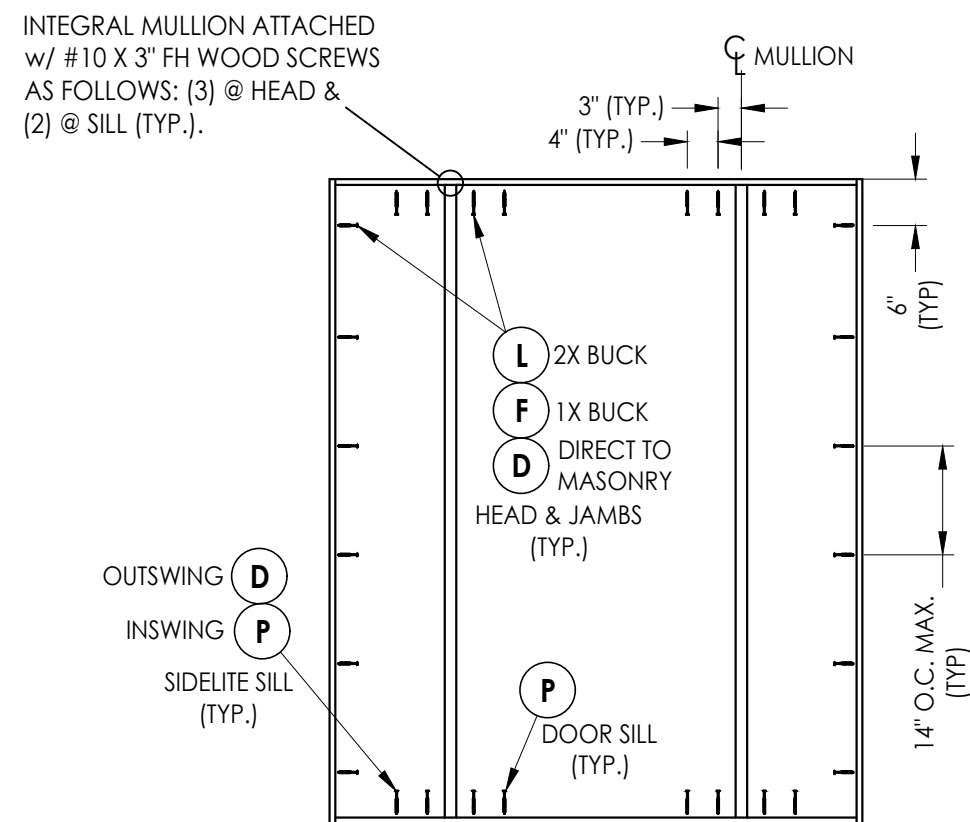
OXO

2X BUCK ANCHORING

DATE: 9/10/24		PRODUCT: YOUNG MFG		PART OR ASSEMBLY:		BUILDING CONSULTANTS, INC.	
SCALE: N.T.S.		FIBERGLASS DOOR		BUCK ANCHORING		P.O. Box 230, Valrico, FL 33595	
DWG. BY: LFS						Phone No.: 813.659.9197	
CHK. BY: RW						FBPE Registry No. 9813	
DRAWING NO.: FL-47793.6							
SHEET 11 OF 13							

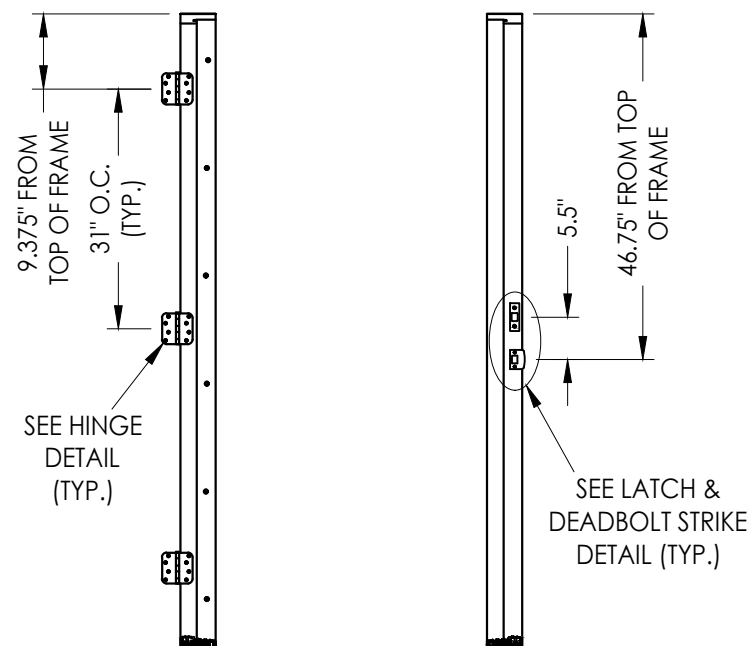


XO, OX



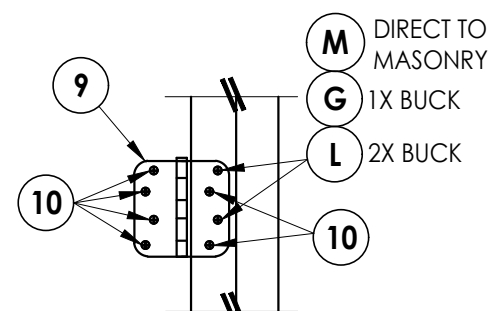
OXO

FRAME ANCHORING



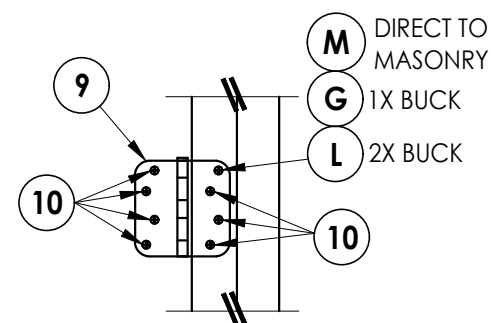
HINGE JAMB

STRIKE JAMB



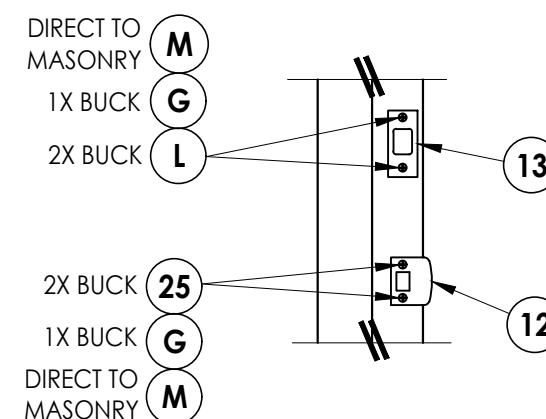
HINGE DETAIL

INSWING



HINGE DETAIL

OUTSWING



STRIKE PLATE DETAIL

[illegible]

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

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

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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
1	WOOD JAMB (POPLAR)	WOOD
3	INTEGRAL WOOD MULLION	WOOD
4	INTEGRAL WOOD MULLION (HIGH PROFILE)	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 w/ SIDELITE ADAPTER	ALUM/COMP
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

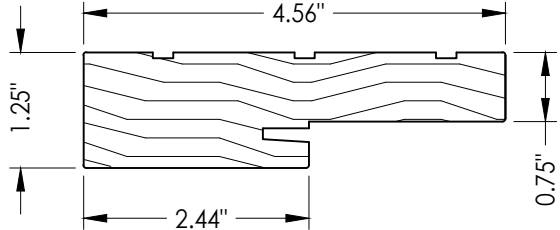
CONCRETE ANCHOR NOTES:

- 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"

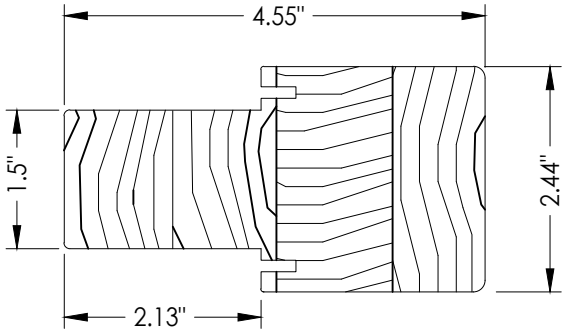
WOOD SCREW INSTALLATION NOTES:

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

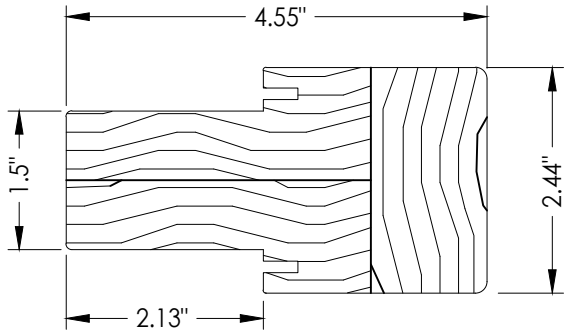


1 WOOD JAMB (POPLAR)
Young Mfg.

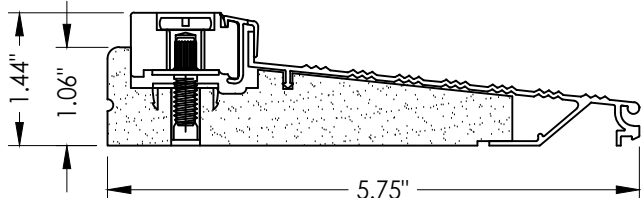
"ARMALAST" OR "PRIMED"
POPLAR WOOD JAMB/MULLION
MAY BE UTILIZED



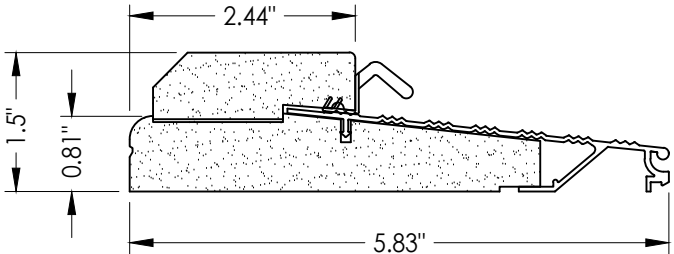
3 INTEGRAL WOOD MULLION
FINGER-JOINT POPLAR
Young Mfg.



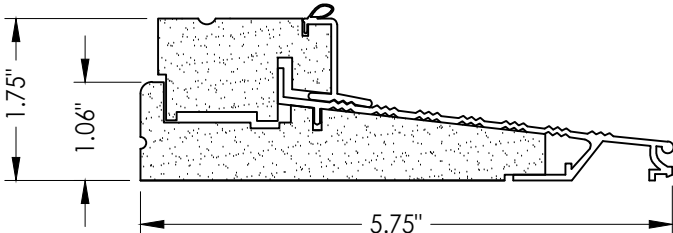
4 INTEGRAL WOOD MULLION
FINGER-JOINT POPLAR (HIGH PROFILE)
Young Mfg.



14 INSWING THRESHOLD
Young Mfg.



15 OUTSWING THRESHOLD
Young Mfg.



16 INSWING THRESHOLD w/ SIDELITE ADAPTER
Young Mfg.

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: YOUNG MFG
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 9/10/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-47793.6

SHEET 13 OF 13