

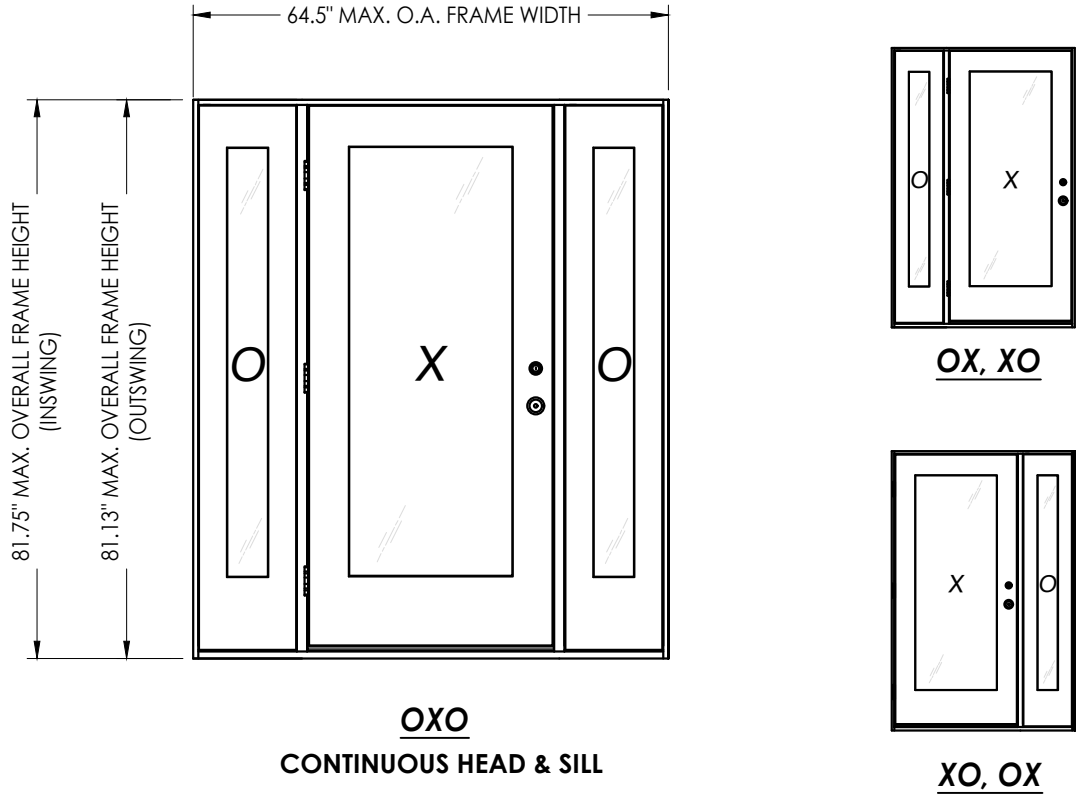


FLUSH GLAZED FIBERGLASS DOOR
SINGLE w/ SIDELITE(S)
INSWING/OUTSWING
"NON-IMPACT"

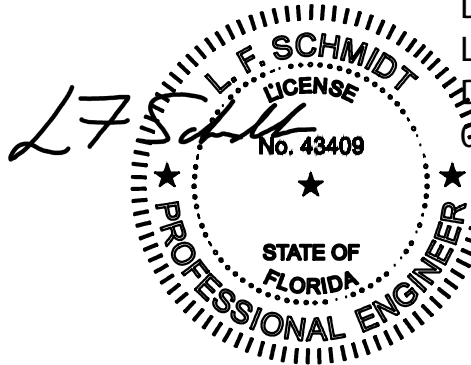
GENERAL NOTES

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, 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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6	Horizontal Cross Sections	13	Bill of Materials & Components
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: 2025.10.15
09:05:29 -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

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P.E. No. 43409

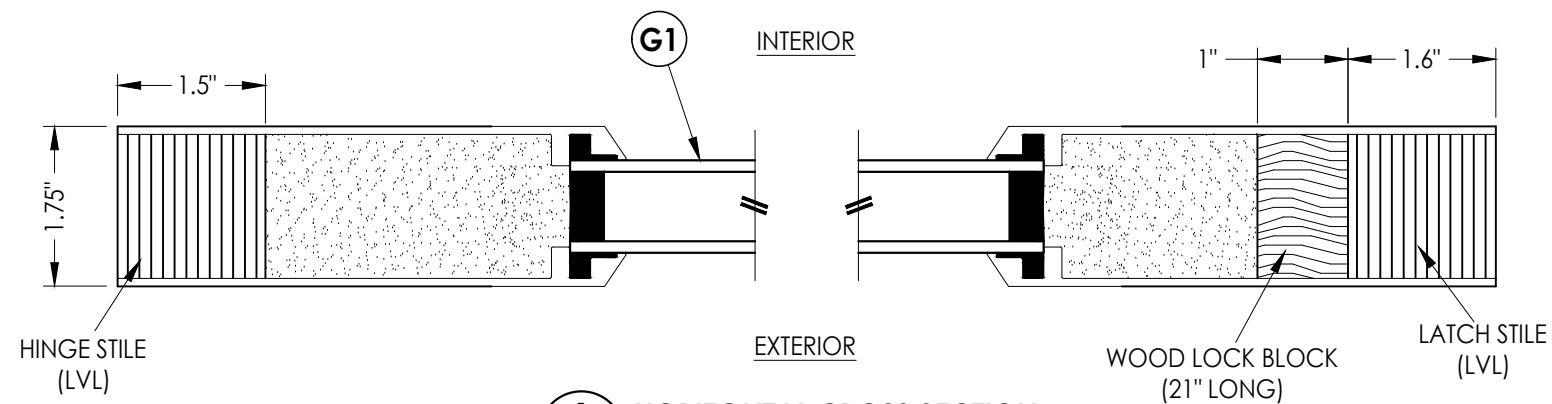
YOUNG MFG
FIBERGLASS DOOR

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

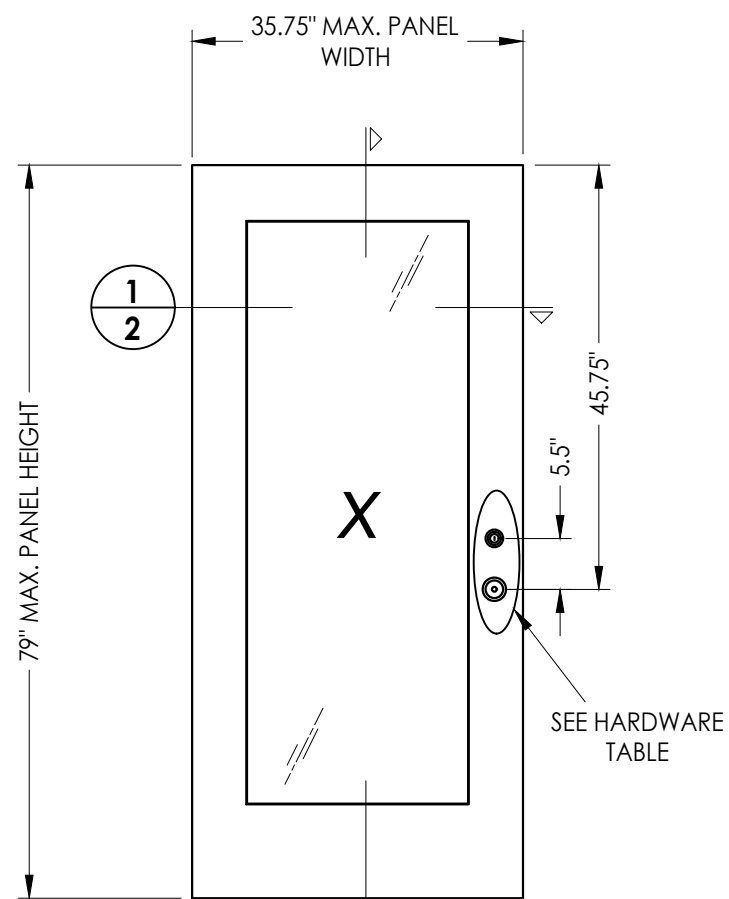
DATE: 9/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-47793.9
SHEET 1 OF 13

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

REVISIONS
NO. DATE



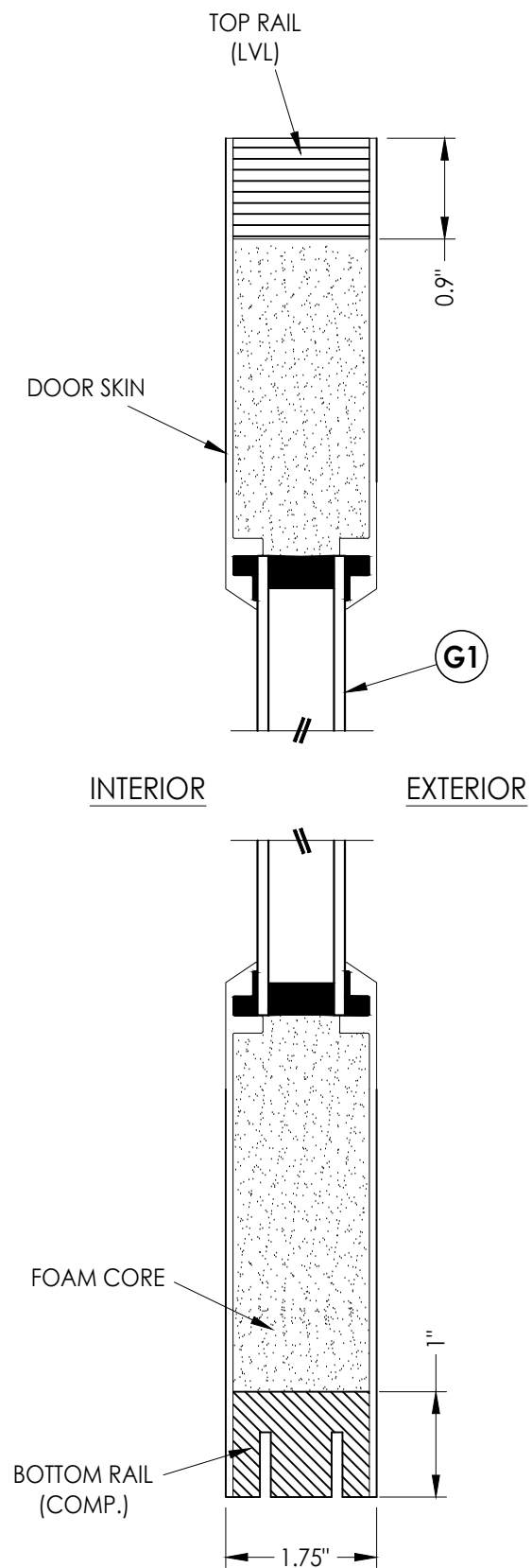
1 HORIZONTAL CROSS SECTION



40 **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 VERTICAL CROSS SECTION
2

[illegible]

Technical drawing of a rectangular panel. The overall dimensions are 79" MAX. PANEL HEIGHT and 11.88" MAX. PANEL WIDTH. The inner opening dimensions are 62.88" MAX. D.L.O. HEIGHT and 5.88" MAX. D.L.O. WIDTH. The panel features a large central 'O' and two diagonal hatching marks. Callouts 1/3 and 2/3 are present.

GLASS BITE 5/8"

1" OVERALL GLASS THK.

1/8" TEMPERED GLASS

AIR SPACE

1/8" TEMPERED GLASS

BACKBEDDING SEALANT

FOAM SPACER

G1 GLAZING DETAIL

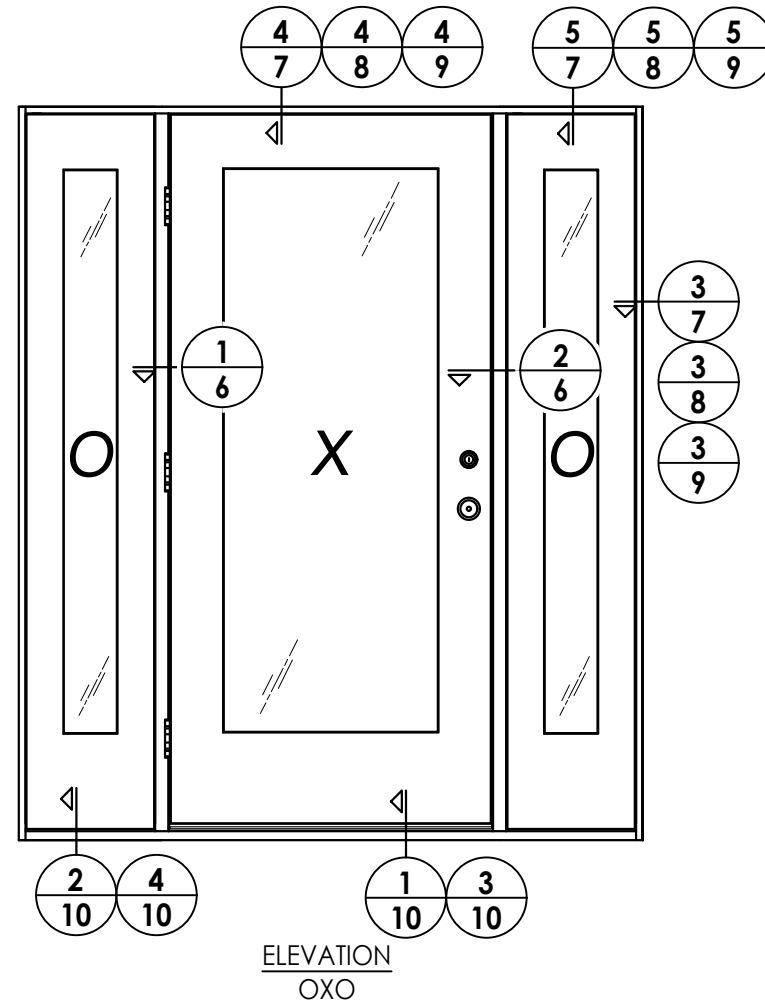
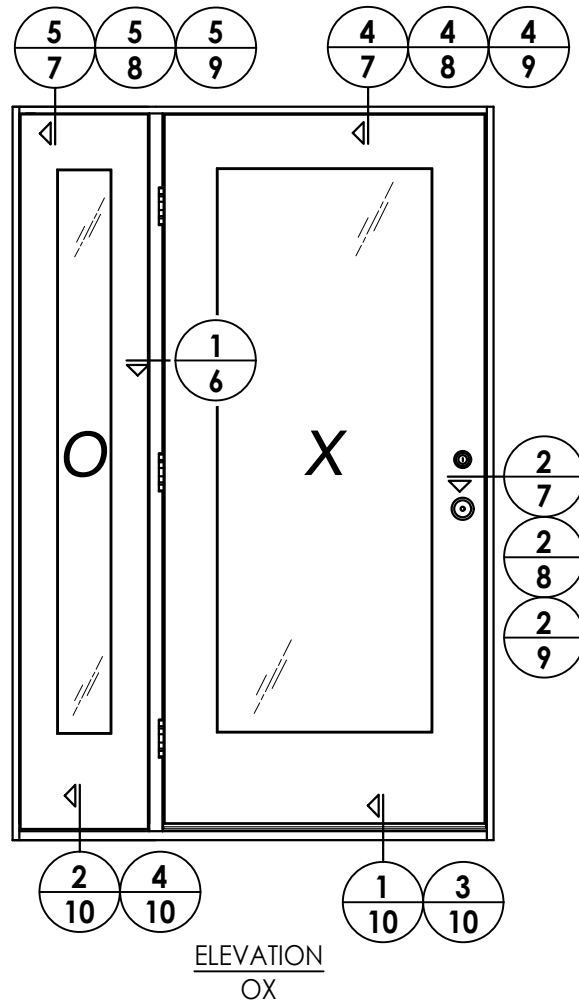
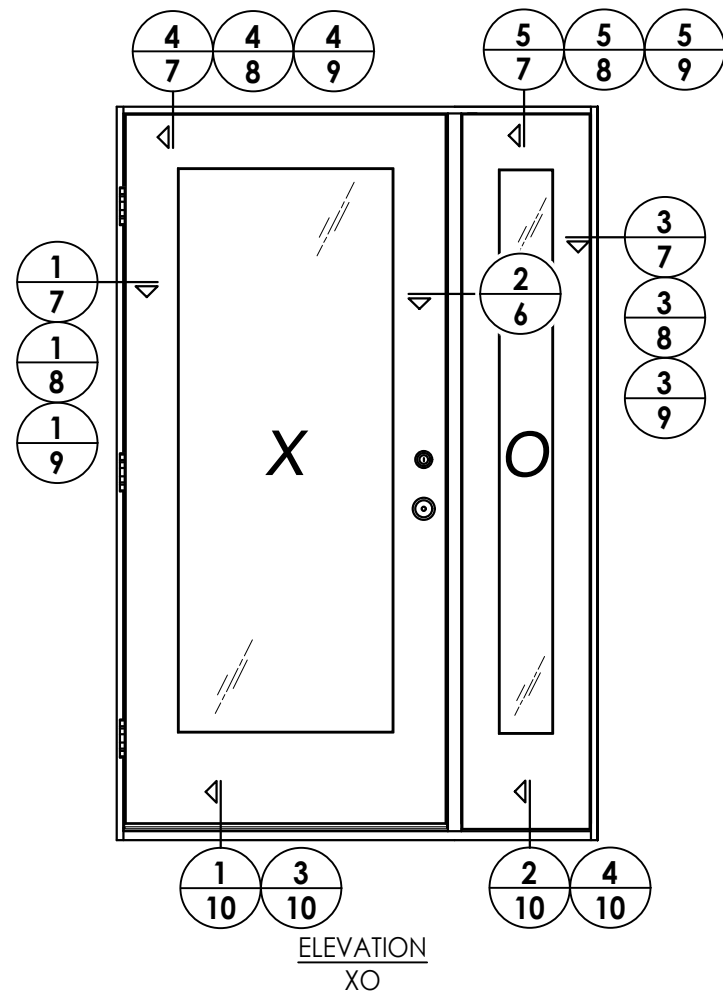
Technical cross-section diagram of a door assembly, showing the interior and exterior views. The diagram includes the following components and dimensions:

- TOP RAIL (LVL):** Laminated Veneer Lumber at the top of the door.
- DOOR SKIN:** The outer layer of the door.
- FOAM CORE:** The insulating core material.
- BOTTOM RAIL (COMP.):** Composite material at the bottom of the door.
- G1:** A label indicating a specific material or finish on the exterior side.
- Dimensions:**
 - 0.97" (height of the top rail section)
 - 1.75" (width of the bottom rail section)
 - 1" (height of the bottom rail section)
- Orientation:** The diagram is labeled **INTERIOR** on the left and **EXTERIOR** on the right.

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DATE: 9/10/24 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: FL-47793.9 SHEET 4 OF 13	NO. DATE BY REVISIONS	PRODUCT: YOUNG MFG FIBERGLASS DOOR	PART OR ASSEMBLY: SIDELITE PANEL & LITE FRAME GLAZING DETAILS	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
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DATE: 9/10/24

SCALE: N.T.S.

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CHK. BY: *RW*

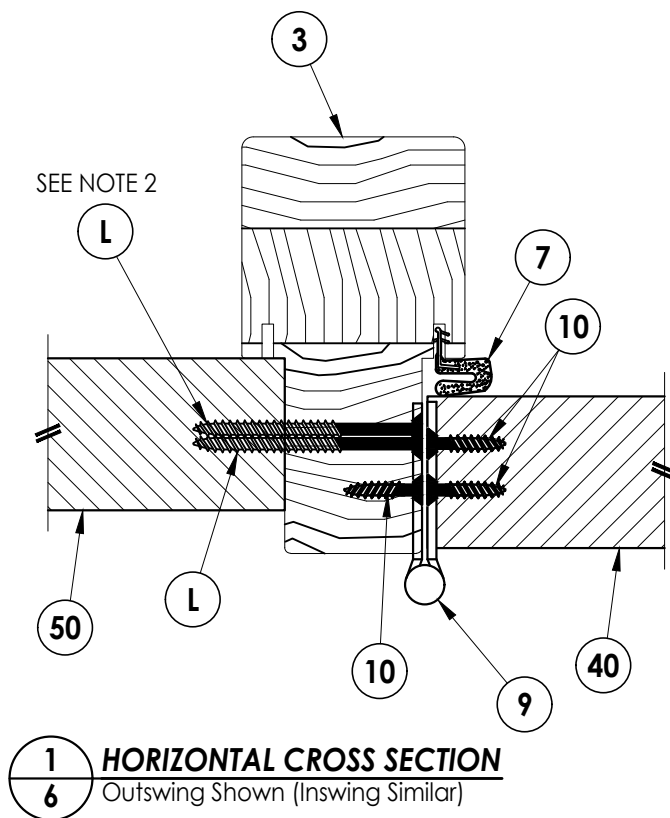
DRAWING NO.:

FL-47793.9

SHEET 5 OF 13

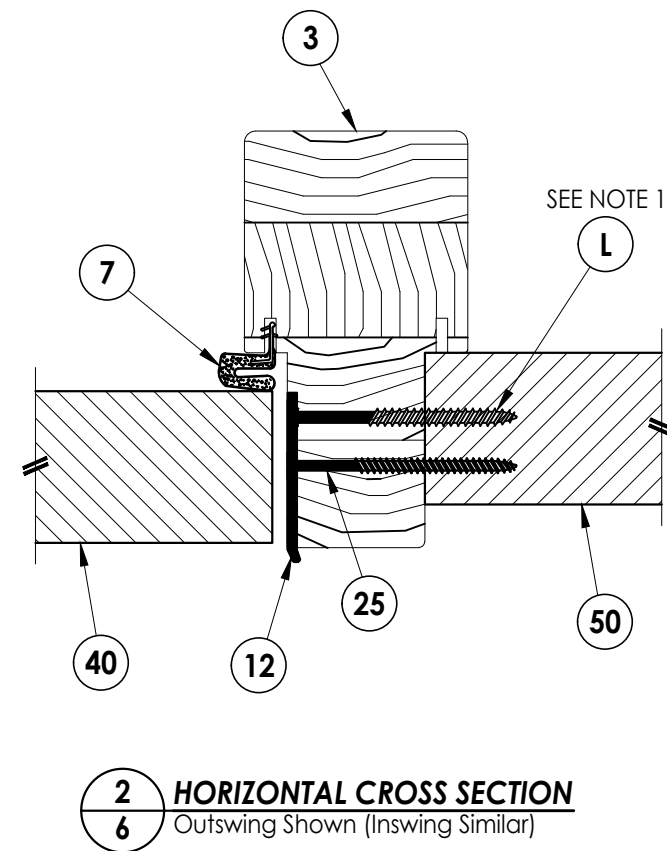
Documents Prepared By:
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EXTERIOR

INTERIOR



SEE NOTE 1

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DRAWING NO.:	FL-47793.9
SHEET	6 OF 13

PRODUCT: YOUNG MFG
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

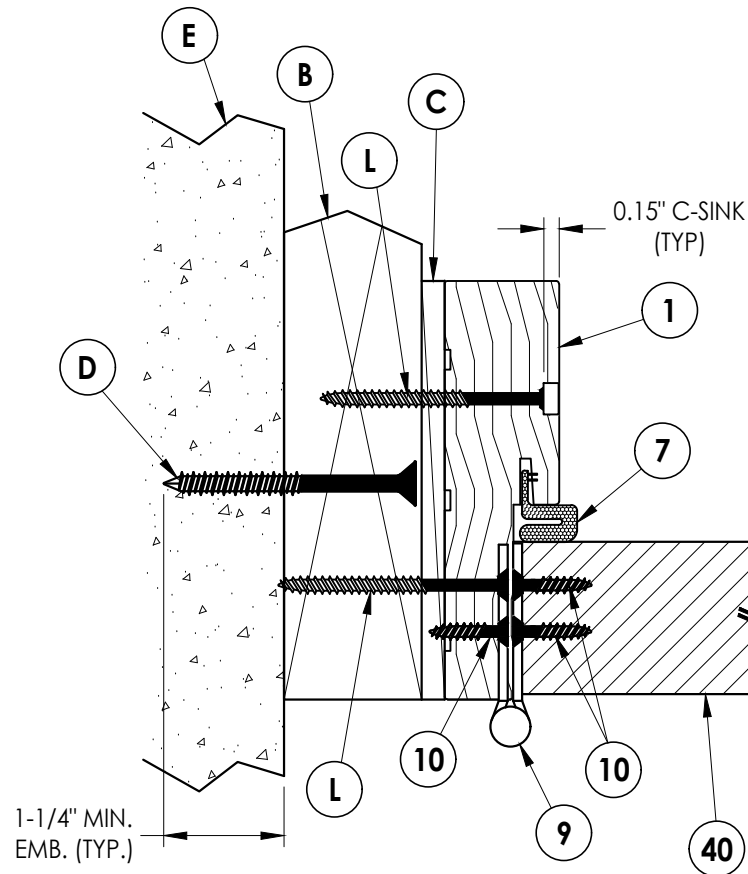
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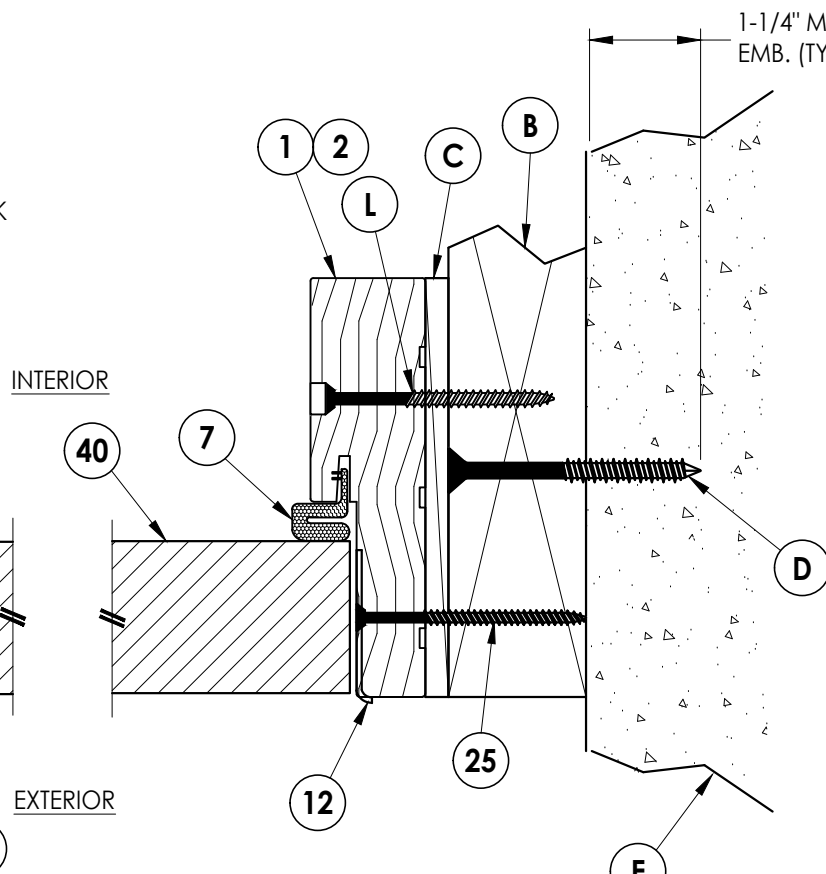
NOTES:

1. Sidelite assembly screws located @ 6", 20", & 34" from the top & @ 6" & 20" from the bottom (5 total).
2. Sidelite assembly screws located equally spaced between each hinge (2 total).

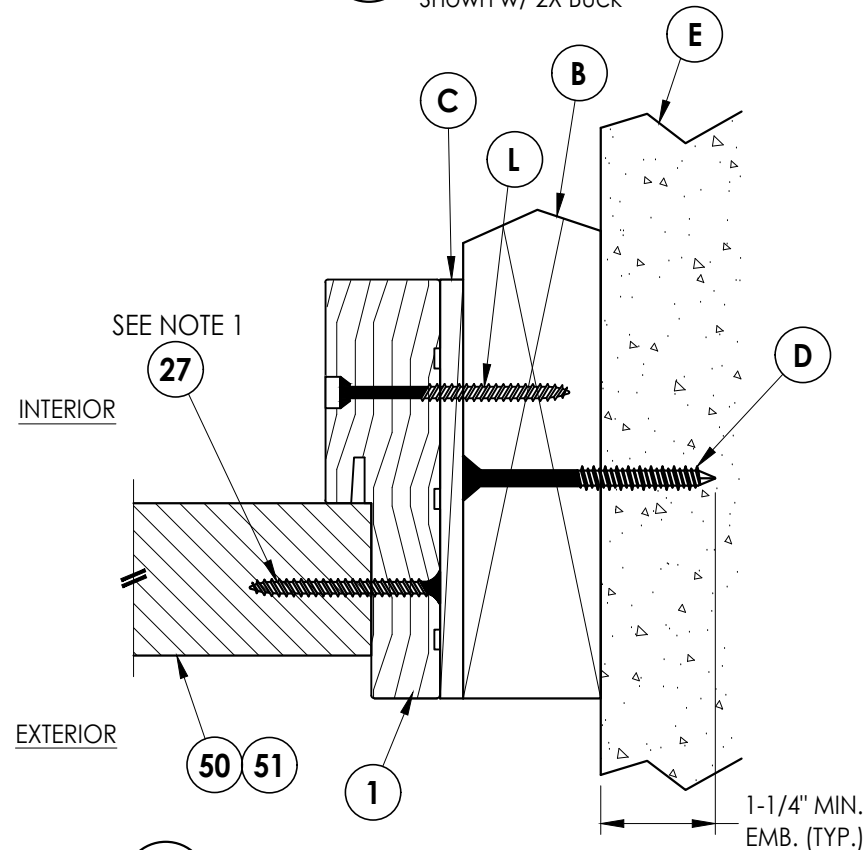
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1
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

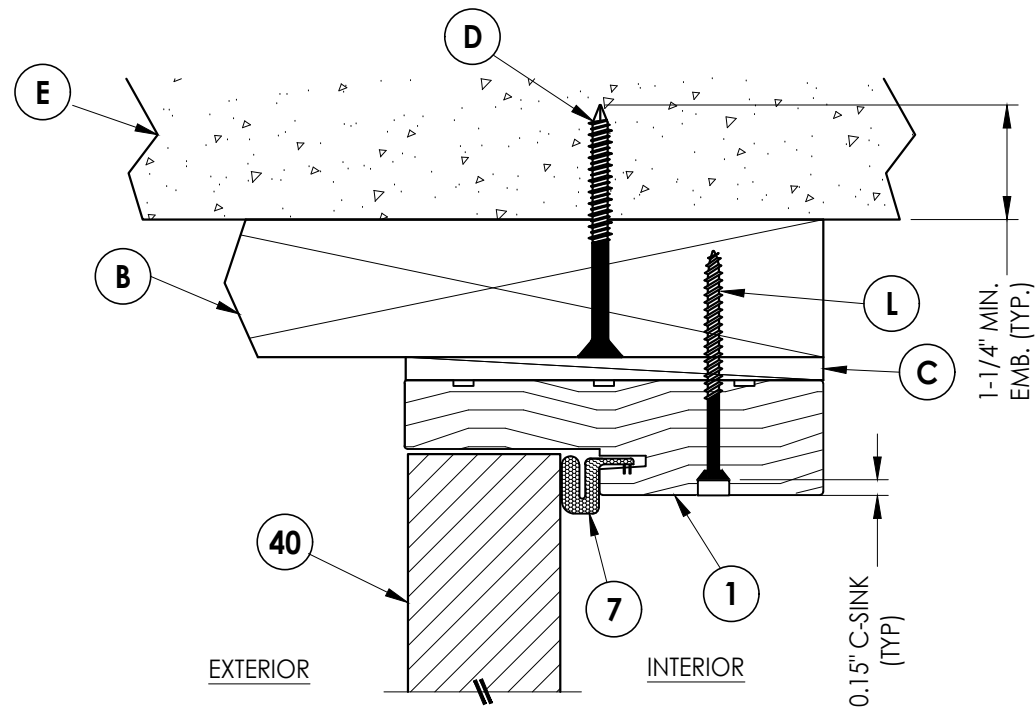


2
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

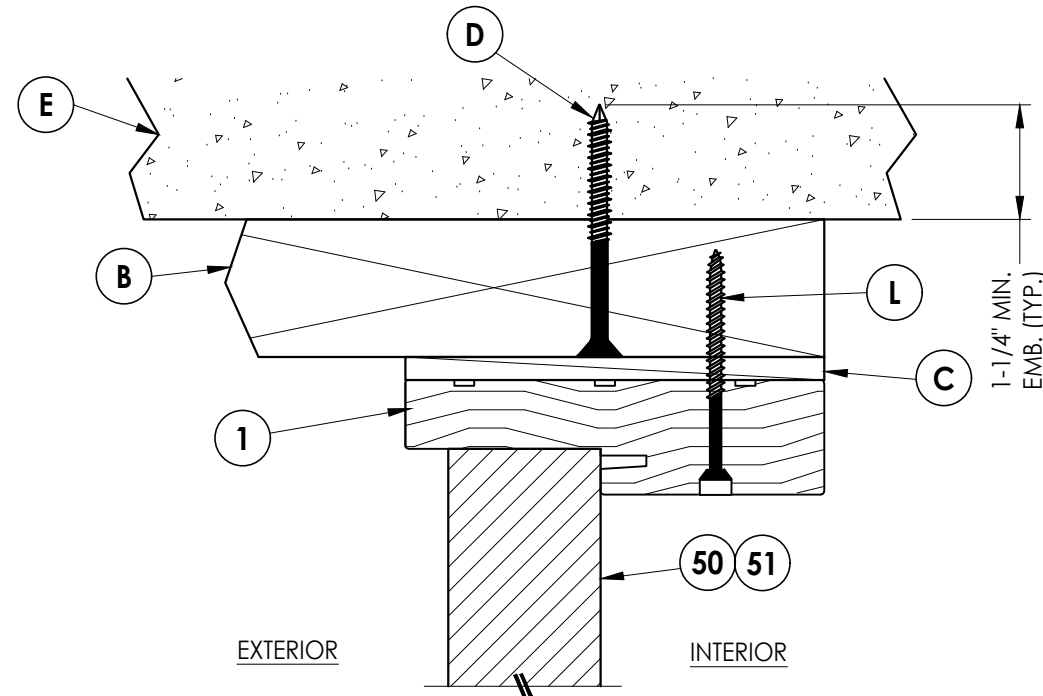


3
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

NOTE:
1. Sidelite assembly screws located 4\"/>



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



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

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Lyndon F. Schmidt
P.E. No. 43409

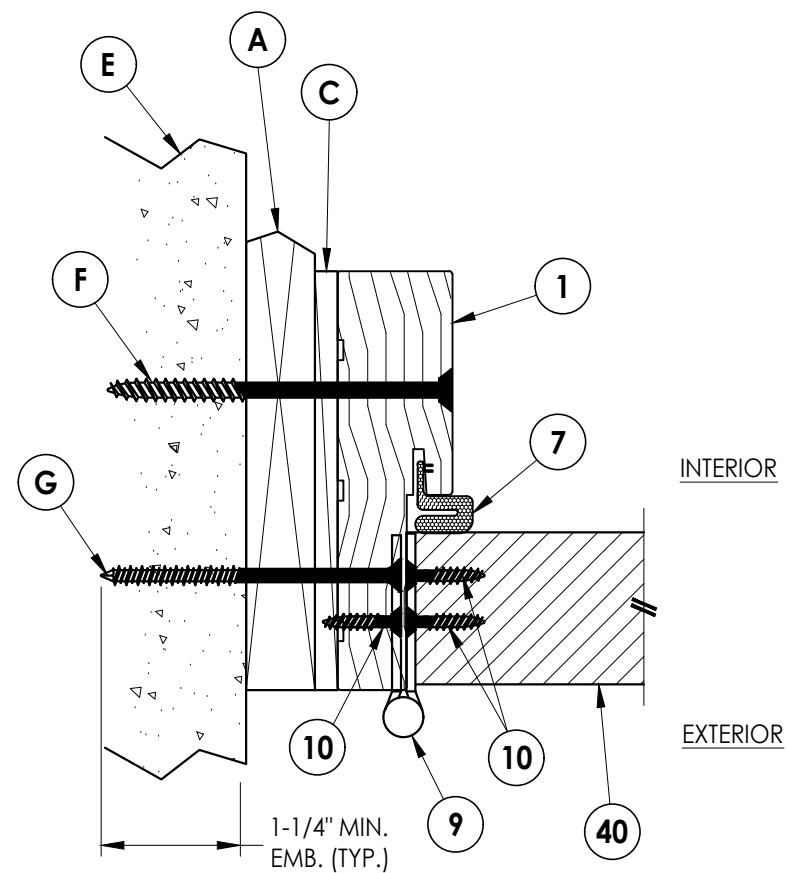
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: YOUNG MFG
FIBERGLASS DOOR

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

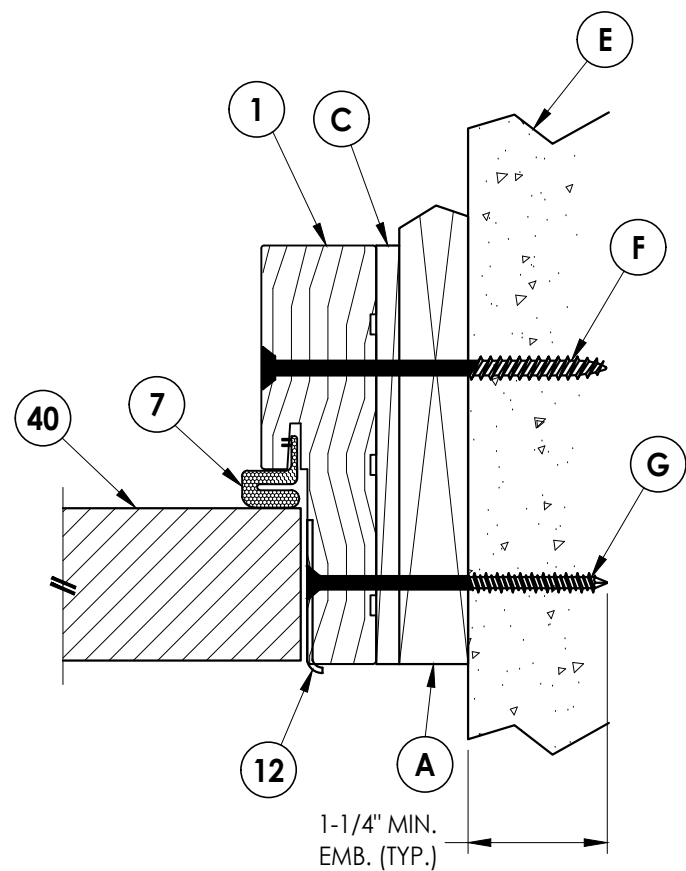
NO.	DATE	BY	REVISIONS

DATE: 9/10/24
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DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-47793.9
SHEET 7 OF 13

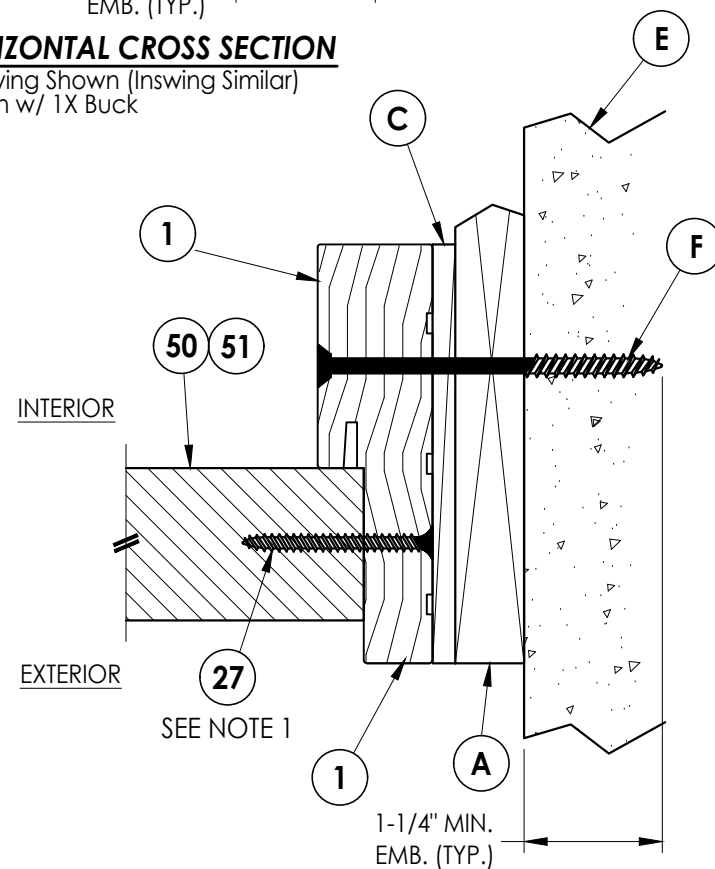


1 8 **HORIZONTAL CROSS SECTION**

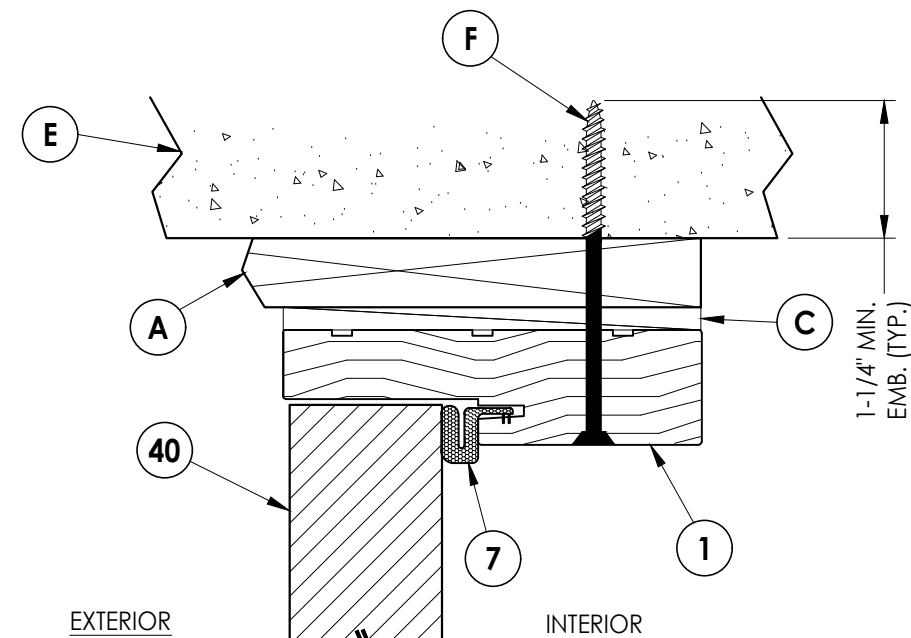
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



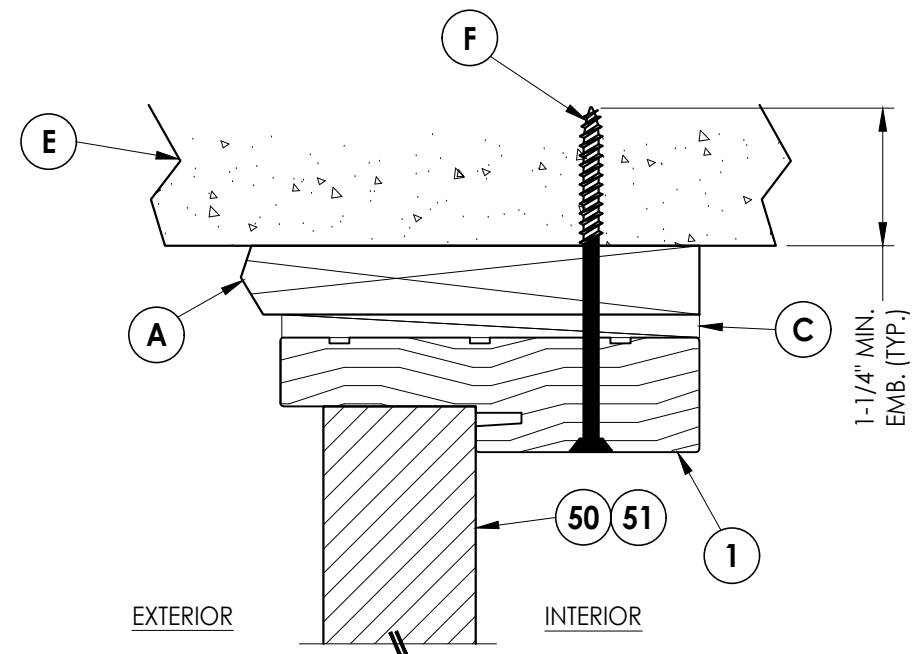
2 **HORIZONTAL CROSS SECTION**
8 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck



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 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 (1X BUCK)**

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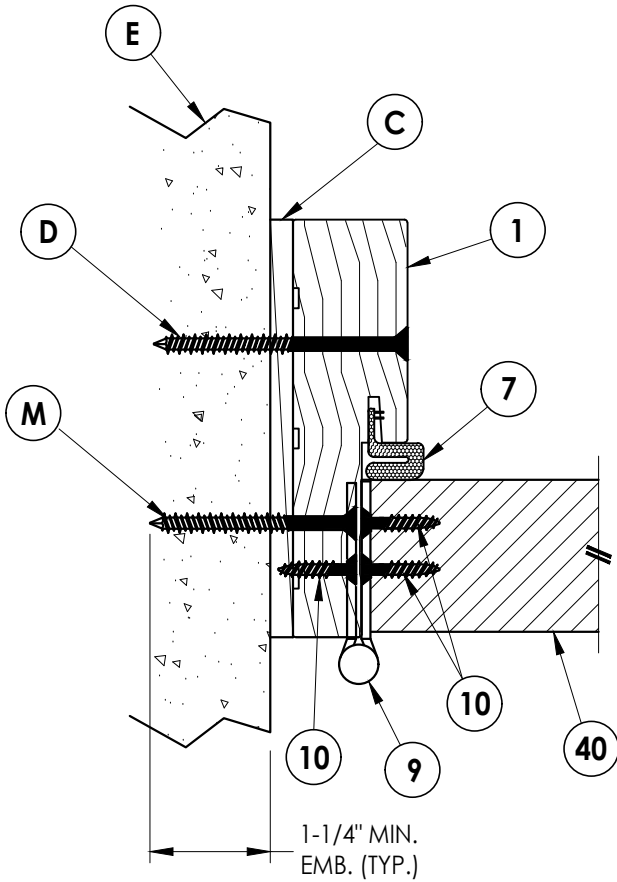
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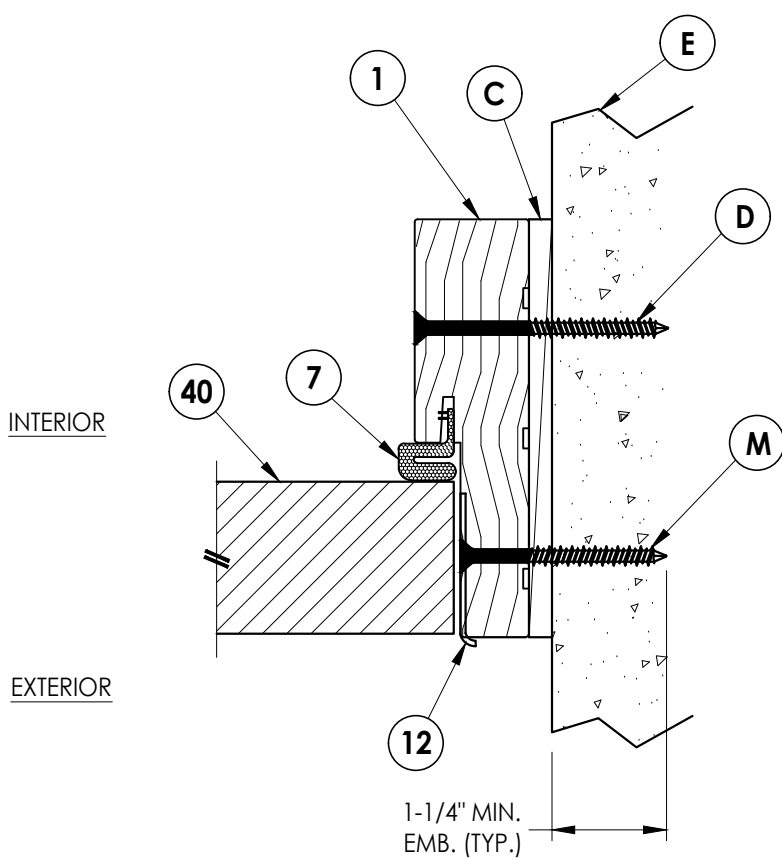
FL-47793.9

SHEET 8 OF 13

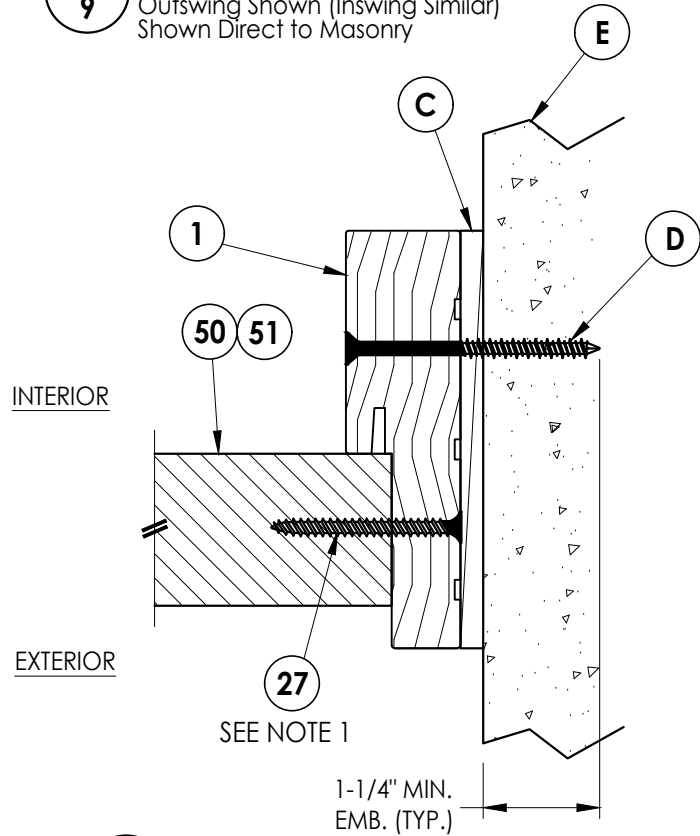
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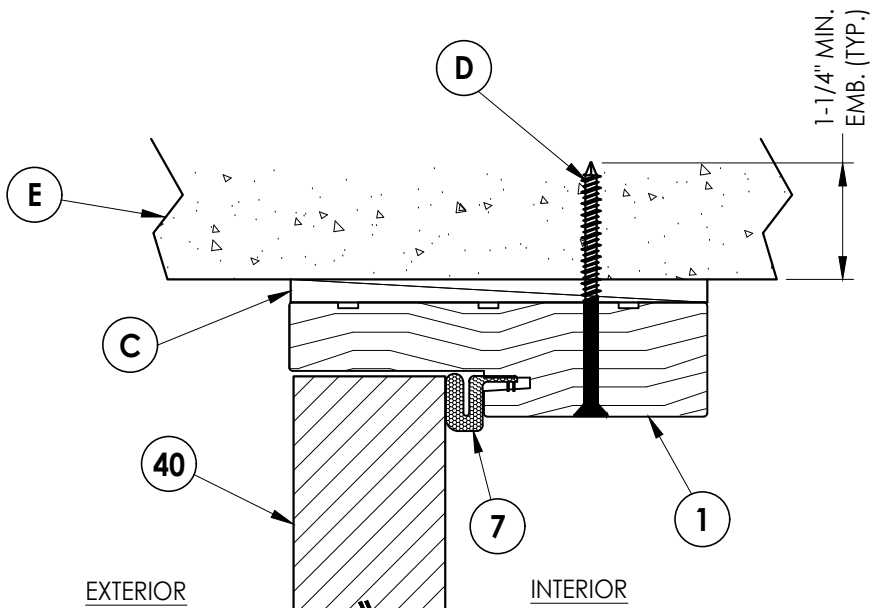
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



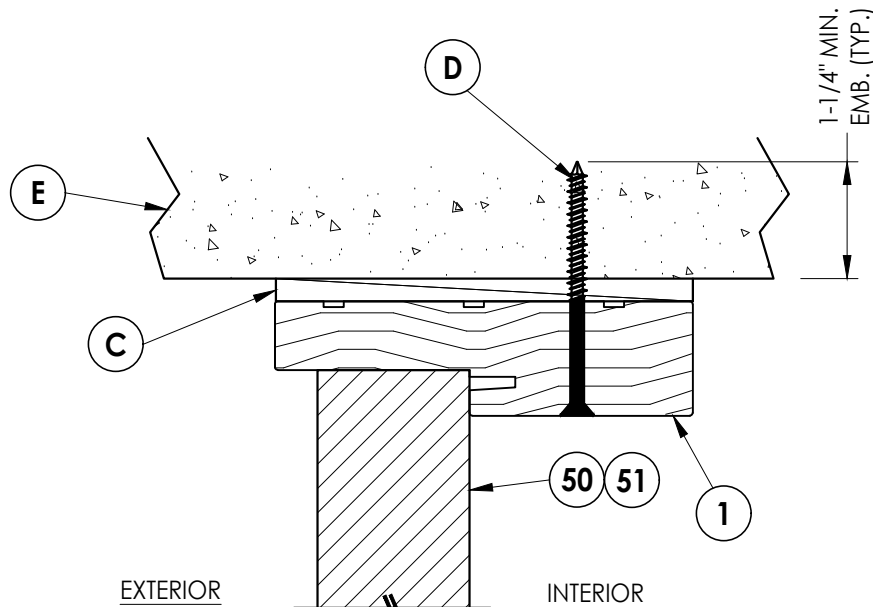
2
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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).

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FBPE Registry No. 9813

PRODUCT: YOUNG MFG
FIBERGLASS DOOR

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

REVISIONS		NO.	DATE	BY

DATE: 9/10/24

SCALE: N.T.S.

DWG. BY: LFS

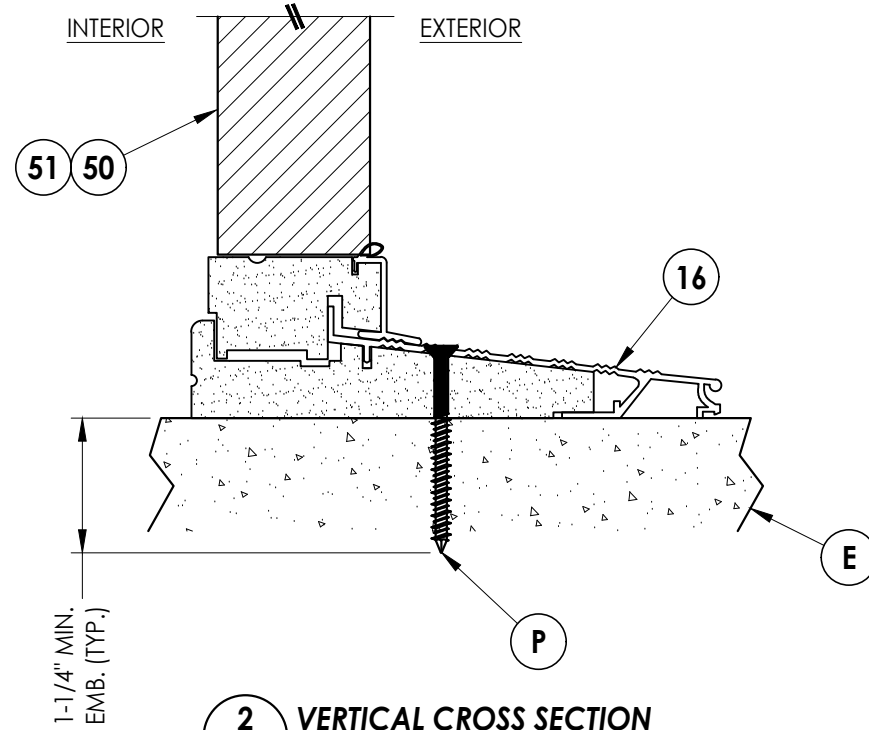
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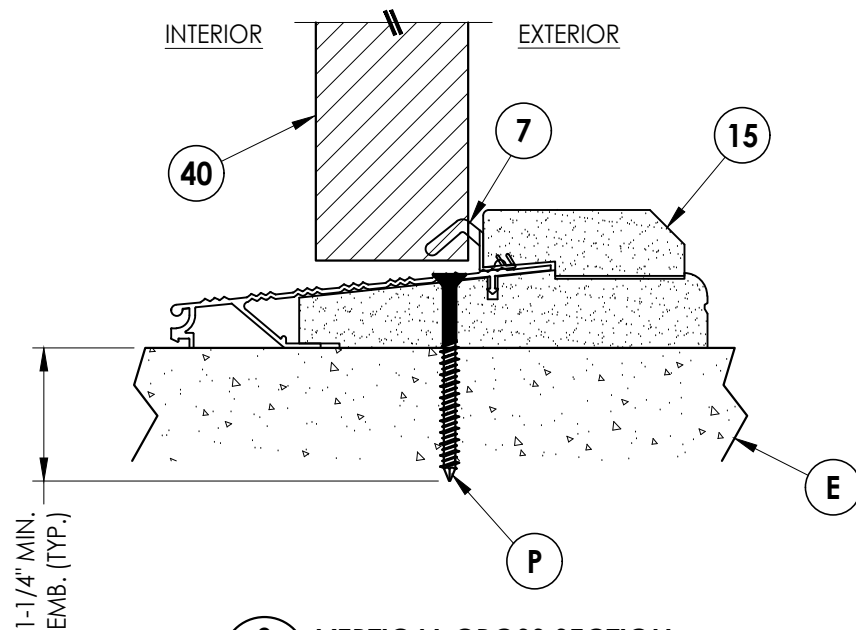
FL-47793.9

SHEET 9 OF 13

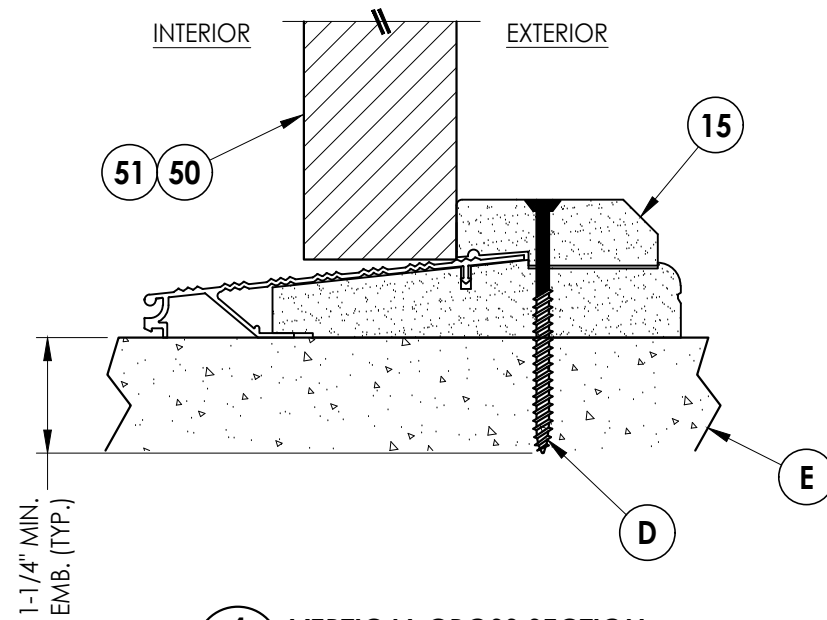
1 **VERTICAL CROSS SECTION**
10 Inswing Sill



2 **VERTICAL CROSS SECTION**
10 Inswing Sill



3 10 VERTICAL CROSS SECTION Outswing Sill

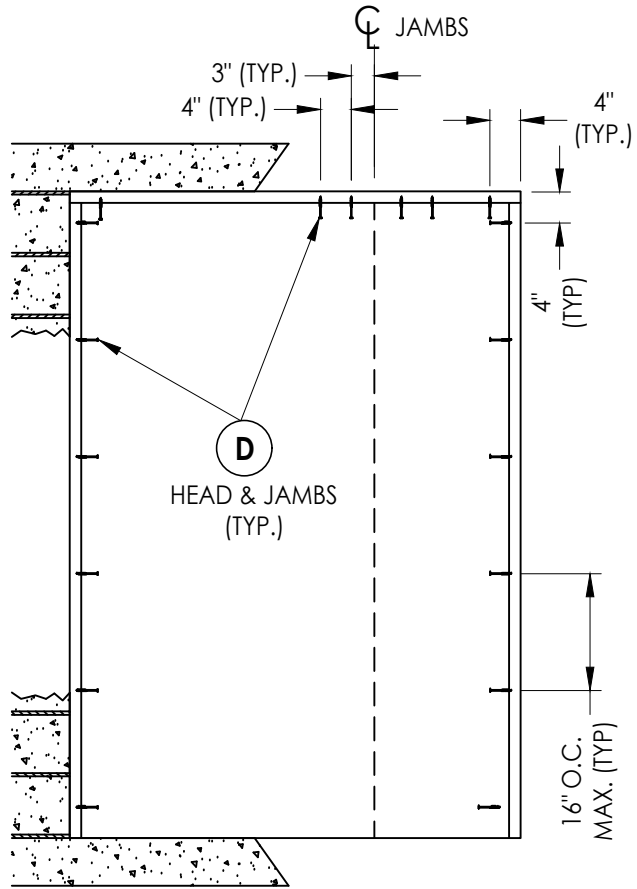


4 10 VERTICAL CROSS SECTION Outswing Sill

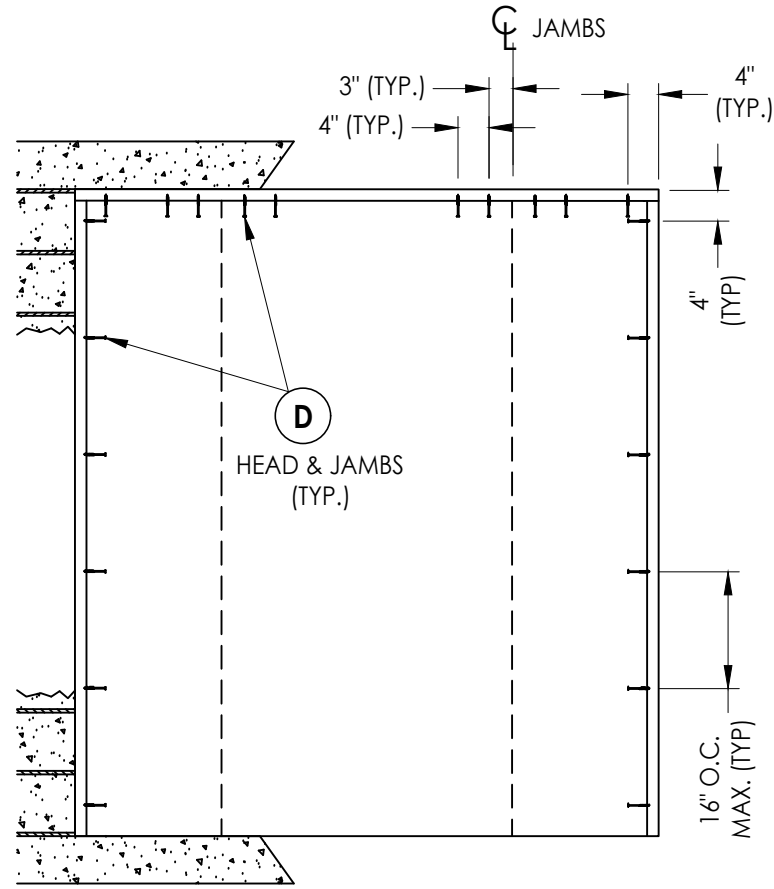
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XO/OX



OXO

2X BUCK ANCHORING

[illegible]

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SHEET	11 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
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	-

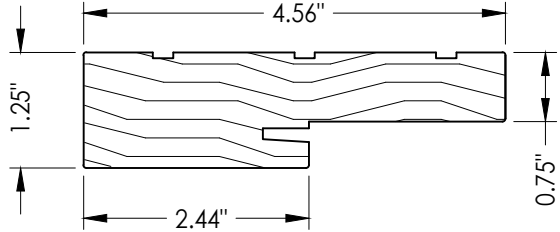
CONCRETE ANCHOR NOTES:

- 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"

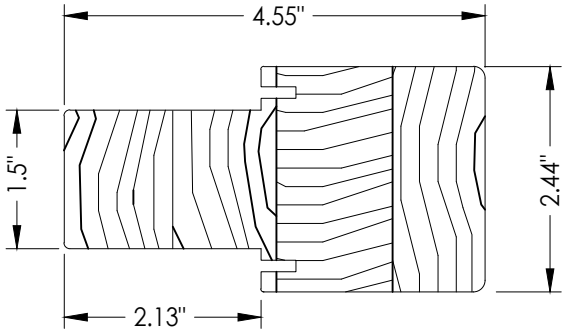
WOOD SCREW INSTALLATION NOTES:

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

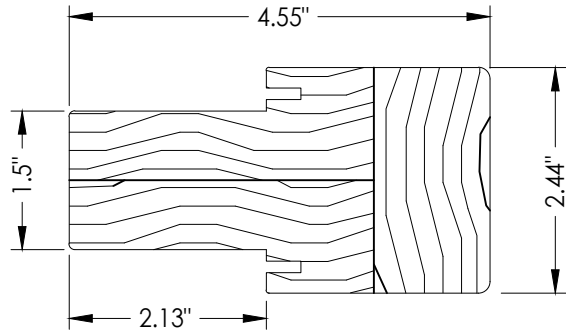


1 WOOD JAMB (POPLAR)
Young Mfg.

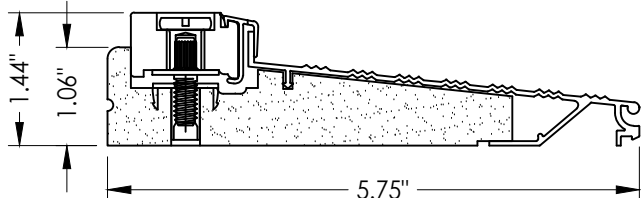
"ARMALAST" OR "PRIMED"
POPLAR WOOD JAMB/MULLION
MAY BE UTILIZED



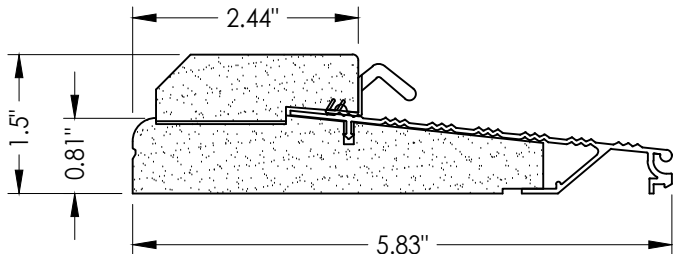
3 INTEGRAL WOOD MULLION
FINGER-JOINT POPLAR
Young Mfg.



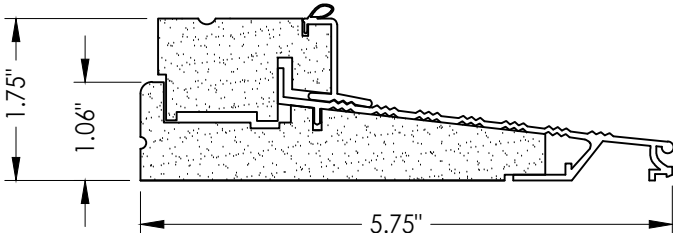
4 INTEGRAL WOOD MULLION
FINGER-JOINT POPLAR (HIGH PROFILE)
Young Mfg.



14 INSWING THRESHOLD
Young Mfg.



15 OUTSWING THRESHOLD
Young Mfg.



16 INSWING THRESHOLD w/ SIDELITE ADAPTER
Young Mfg.

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: YOUNG MFG
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

DATE: 9/10/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-47793.9

SHEET 13 OF 13