

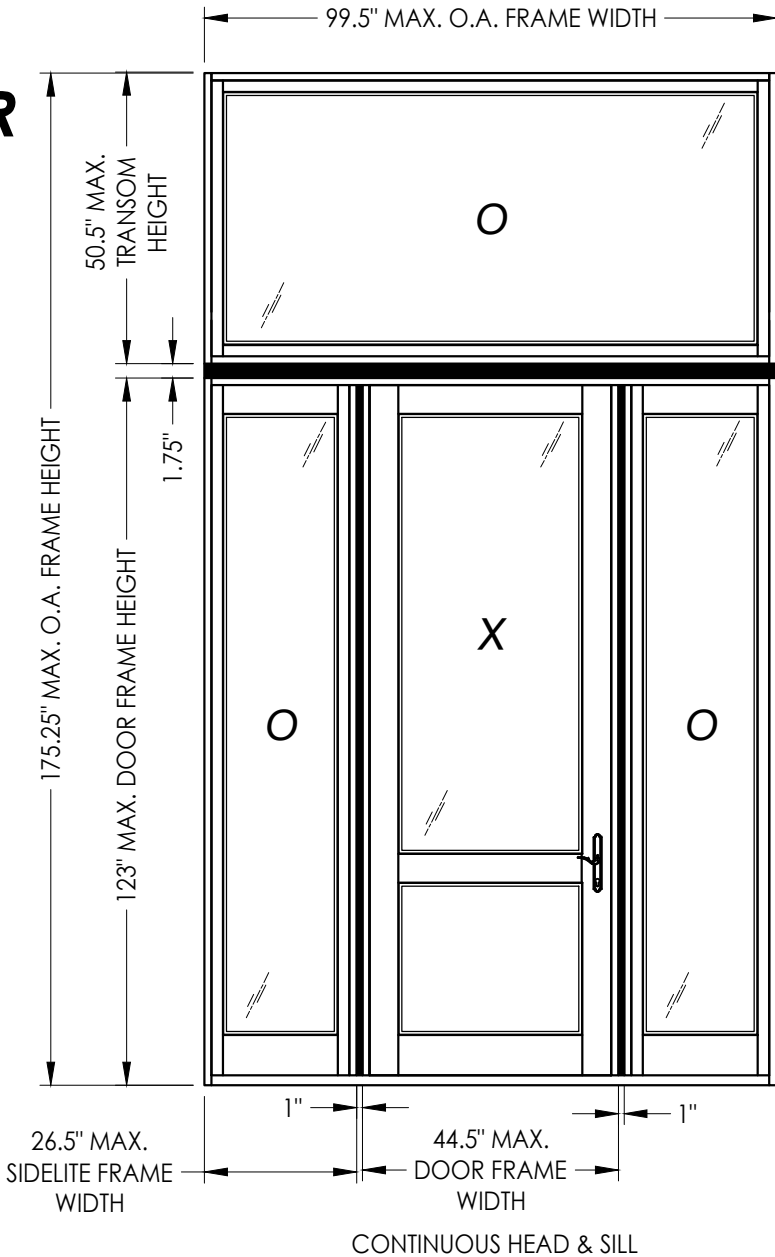


OPAQUE or GLAZED WOOD ENTRY DOOR
SINGLE w/ SIDELITE(S) & TRANSOM
INSWING
"IMPACT"

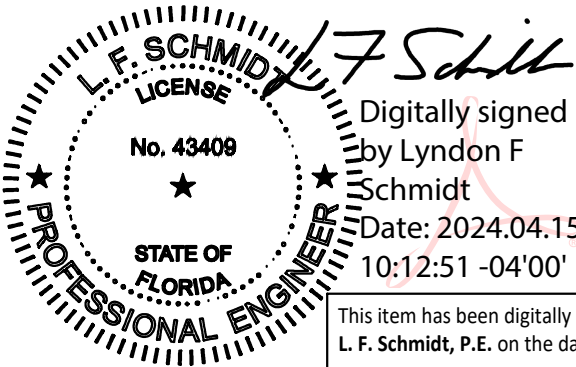
GENERAL NOTES

- 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 E1996 & 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.

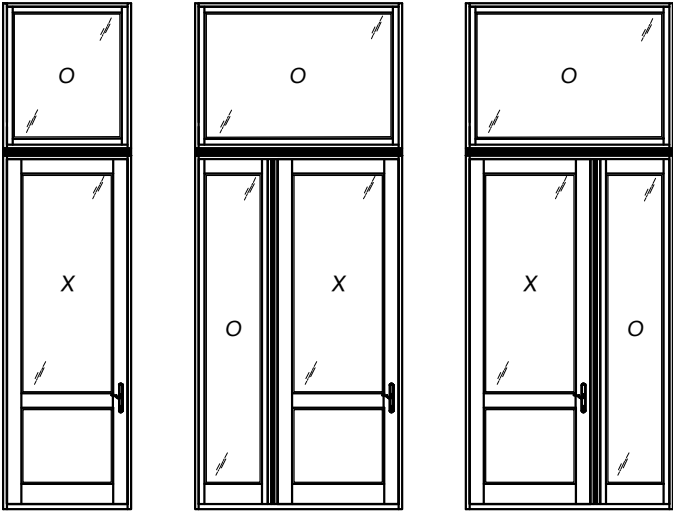
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2	Door Panel Details
3	Sidelite & Transom Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Horizontal & Vertical Cross Sections
9	Vertical Cross Sections
10	Buck Anchoring
11	Frame Anchoring & Hardware Details
12	Bill of Materials & Components



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING	
		POSITIVE	NEGATIVE
O/X	44.5" x 175.25"	+60.0	-65.0
O/XO or O/OX	72.0" x 175.25"	+60.0	-65.0
O/OXO	99.5" x 175.25"	+60.0	-65.0



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

UPSTATE DOOR
WOOD DOOR

DATE: 3/05/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46620.2

SHEET 1 OF 12

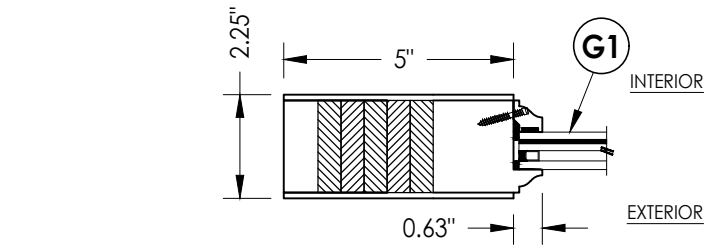
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

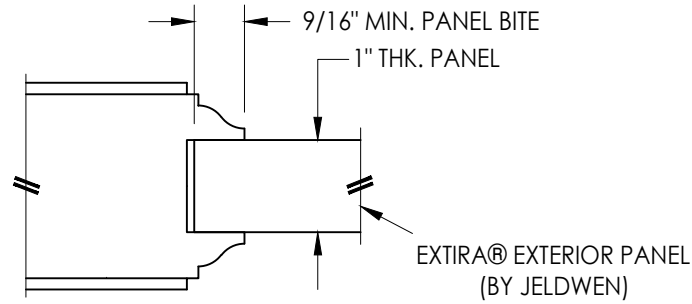
NO. DATE

REVISIONS

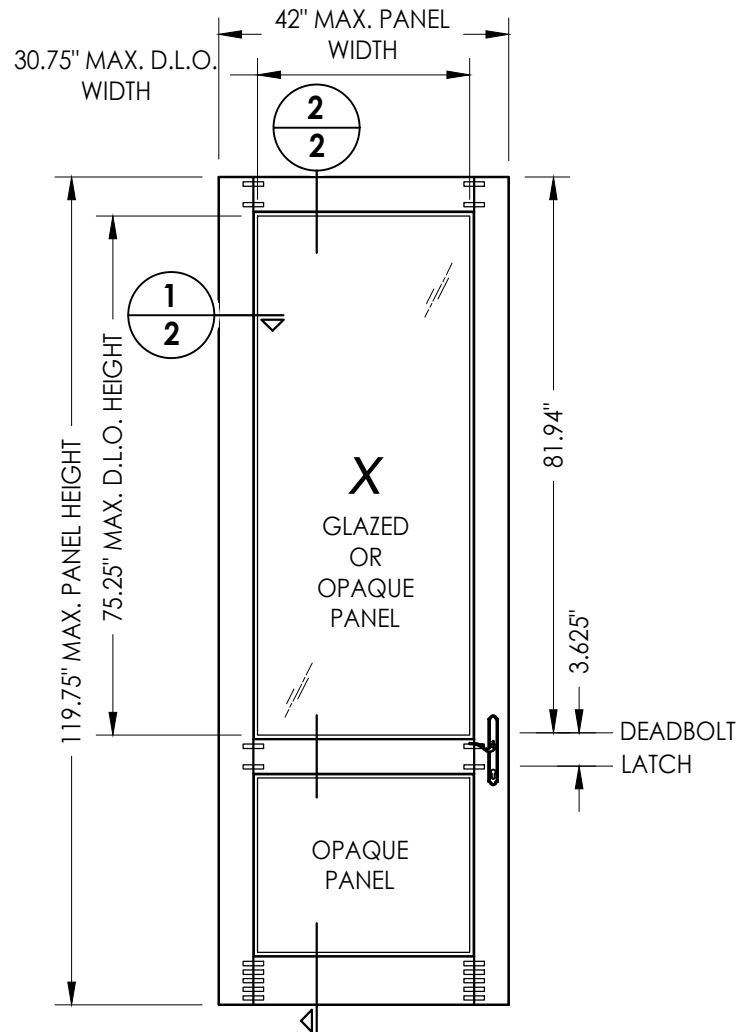
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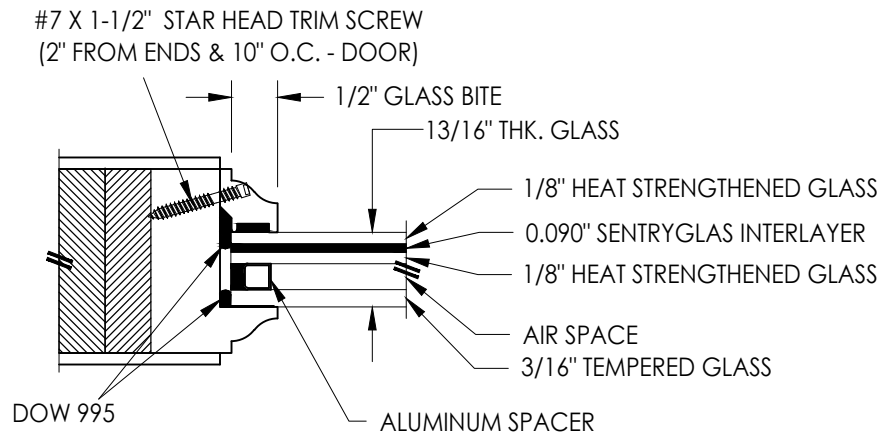
1
2 **HORIZONTAL CROSS SECTION**



P1 **WOOD PANEL DETAIL**

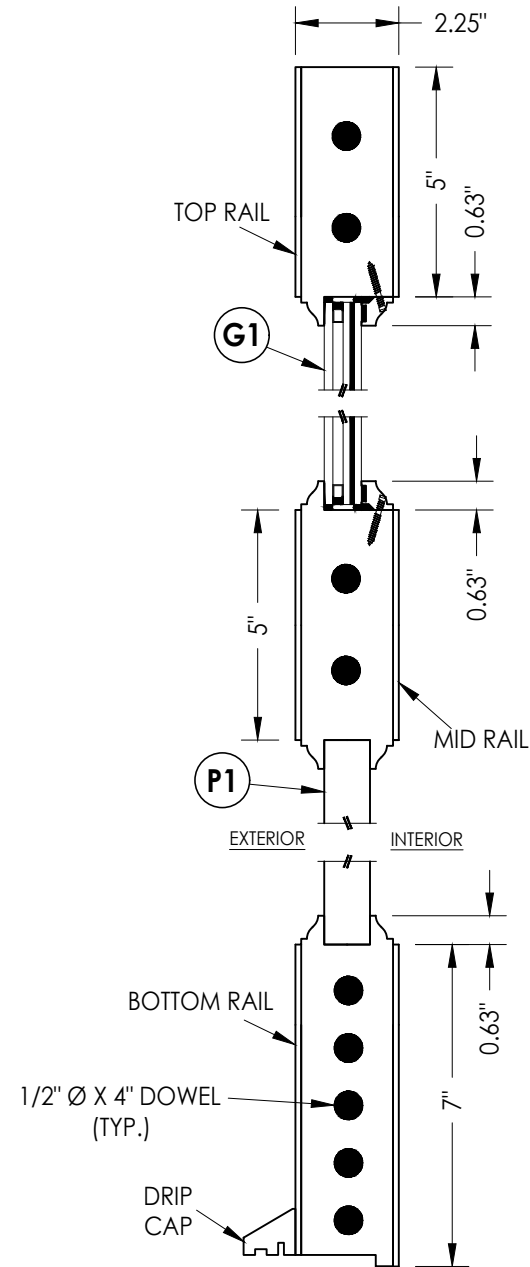


40 **3/4 GLAZED OR OPAQUE DOOR PANEL**
UPSTATE DOOR



G1 **GLAZING DETAIL**

HARDWARE TABLE	
MANUFACTURER	MODEL
GU	MULTIPOINT LOCK: TONGUE/SHOOTBOLT



2
2 **VERTICAL CROSS SECTION**

WOOD PANEL COMPONENTS:
AFRICAN MAHOGANY: (G = 0.50)

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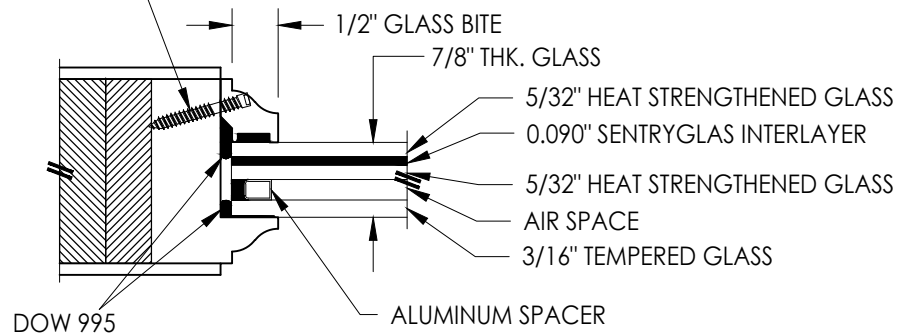
RW

PRODUCT:	UPSTATE DOOR WOOD DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS

NO.	DATE	BY	REVISIONS

DATE:	3/05/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46620.2
SHEET	2 OF 12

#7 X 1-1/2" STAR HEAD TRIM SCREW
(2" FROM ENDS & 10" O.C. - SIDELITE)
(2" FROM ENDS & 5" O.C. - TRANSOM)



Technical drawing of a rectangular table. The overall dimensions are 72" MAX. TRANSMOM WIDTH and 33.75" MAX. D.L.O. HEIGHT. The inner dimensions are 66.75" MAX. D.L.O. WIDTH and 39" MAX. TRANSMOM HEIGHT. The drawing includes callouts 1, 2, 3, and 4, and a central circle labeled 'O'. The table has a double-line border and a central panel with a diagonal line indicating a break.

24" MAX. PANEL WIDTH
18.75" MAX. D.L.O. WIDTH

120" MAX. PANEL HEIGHT
106.75" MAX. D.L.O. HEIGHT

1
3

O

Technical drawing of a rectangular panel. The drawing shows the panel's dimensions and details. The overall height is 120 inches, and the overall width is 24 inches. The height of the opening (D.L.O.) is 106.75 inches, and the width of the opening is 18.75 inches. A circular callout with the numbers 1 and 3 is shown. The letter O is also present. The drawing includes a top view and a side view, with dimensions and callouts indicating the panel's specifications.

Technical drawing of a rectangular box. The overall height is labeled as 75.25" D.L.O. HEIGHT. A circular feature is shown on the left side, divided horizontally, with the number 1 above the number 3. The box has a large 'O' on its front face. The drawing includes various dimension lines and a small triangle symbol.

Technical drawing of the exterior view of the G2 Top Rail. The drawing shows a rectangular rail with two circular holes. Dimensions include a width of 2.25 inches, a total height of 5 inches, and a bottom flange height of 0.63 inches. Labels include 'TOP RAIL', 'G2', 'EXTERIOR', and 'INTERIOR'.

1/2" Ø X 4" DOWEL
(TYP.)

Technical drawing of a three-rail system, showing the Top Rail, Mid Rail, and Bottom Rail. The drawing includes dimensions and labels for various components.

Dimensions:

- Top Rail width: 2.25"
- Top Rail height: 5"
- Top Rail thickness: 0.63"
- Mid Rail height: 5"
- Mid Rail thickness: 0.63"
- Bottom Rail height: 7"
- Bottom Rail thickness: 0.63"

Labels and Callouts:

- TOP RAIL
- G1 (Callout to a component on the Top Rail)
- MID RAIL
- P1 (Callout to a component on the Mid Rail)
- EXTERIOR (Label for the left side of the Mid Rail)
- INTERIOR (Label for the right side of the Mid Rail)
- BOTTOM RAIL
- 1/2" Ø X 4" DOWEL (TYP.) (Label for the dowels in the Bottom Rail)
- DRIP CAP (Label for the drip cap at the bottom of the Bottom Rail)

Technical drawing of a G2 lock cylinder. The drawing shows a cross-section of the cylinder with a keyhole. Dimensions are indicated: 2.25" for the width of the cylinder body, 2" for the height of the cylinder body, and 0.63" for the height of the keyhole. The label "G2" is shown in a circle. The drawing is labeled "EXTERIOR" and "INTERIOR".

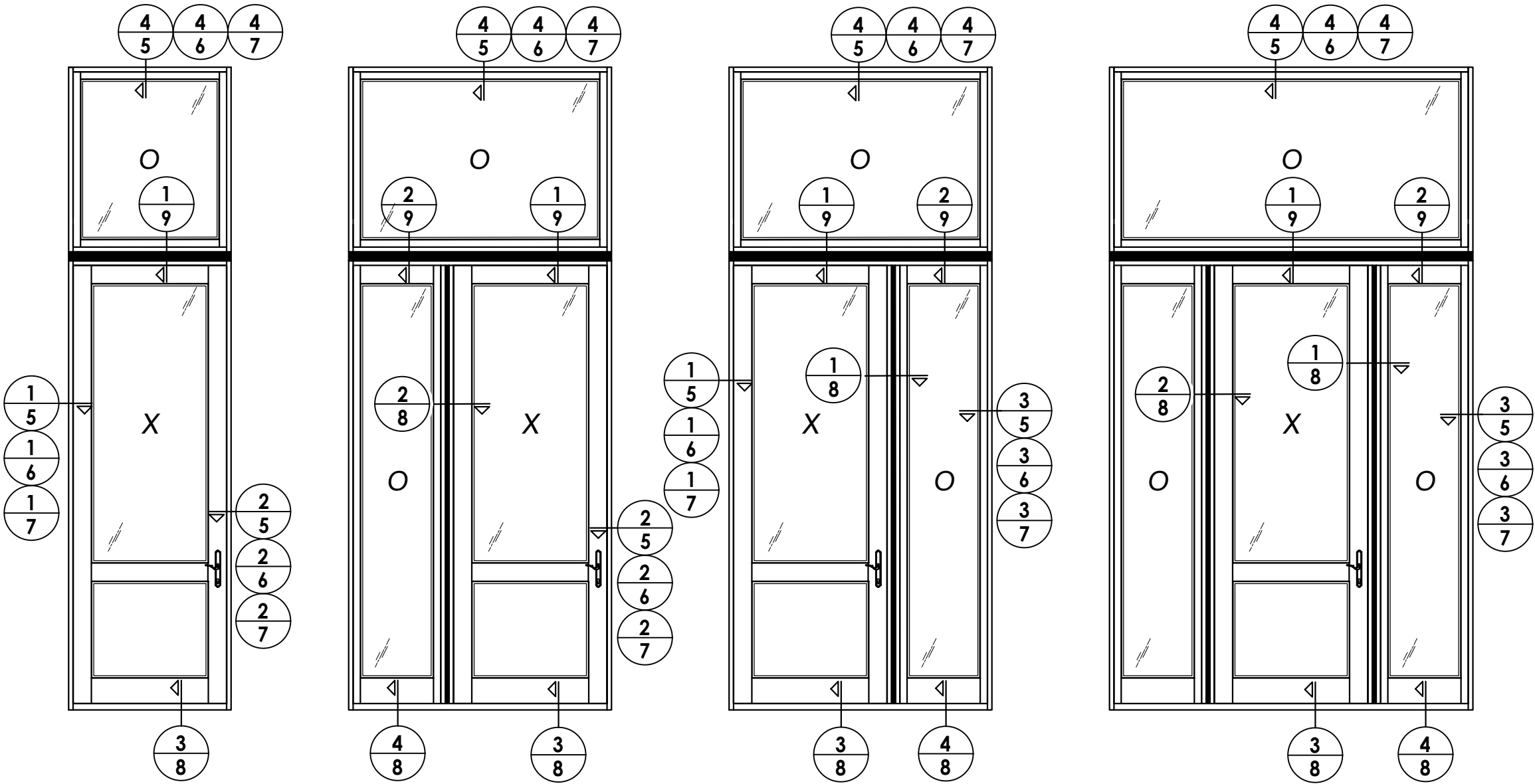
4 VERTICAL CROSS SECTION
3

DATE:	3/05/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46620.2
SHEET	3 OF 12

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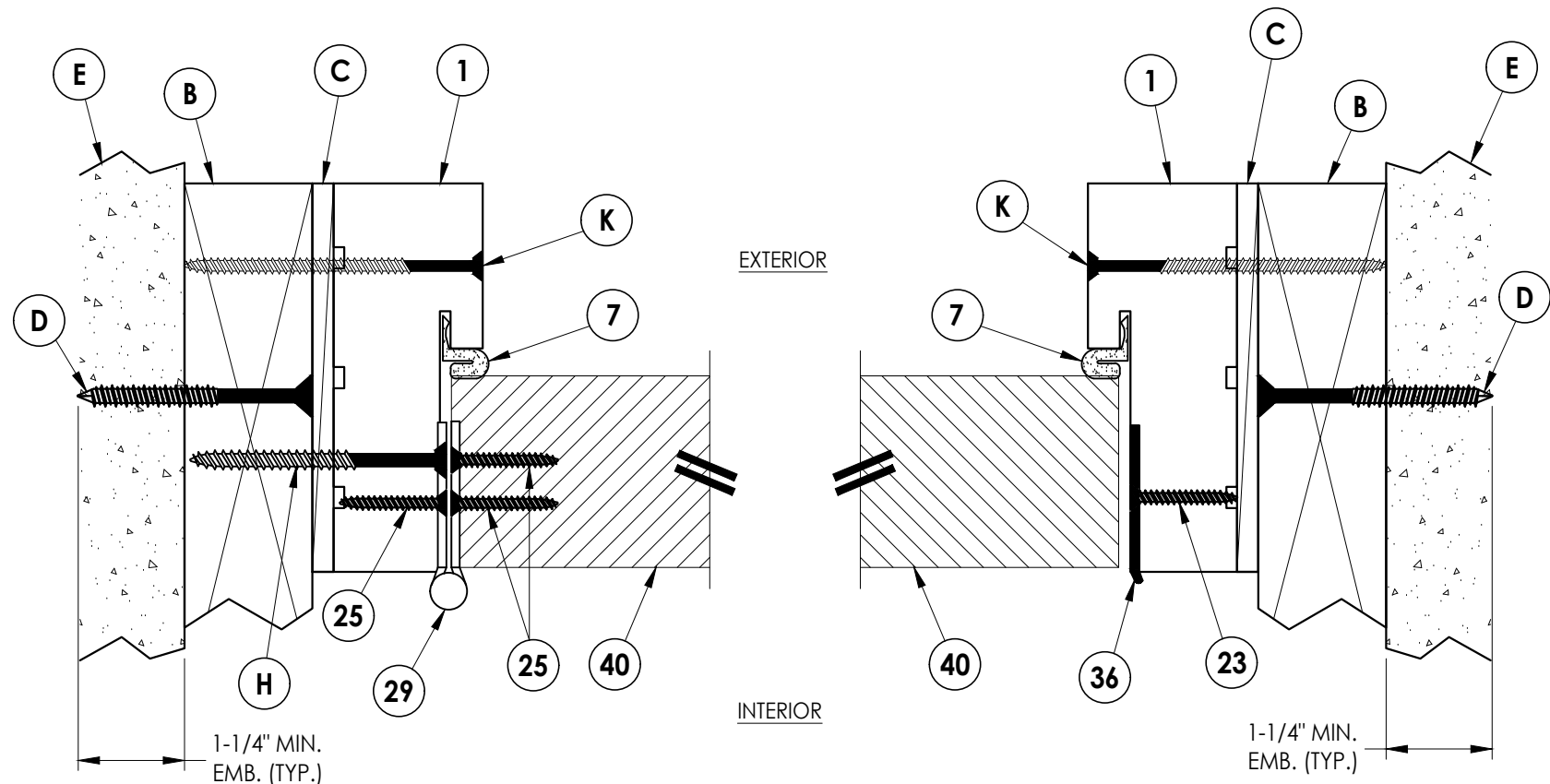
PART OR ASSEMBLY:

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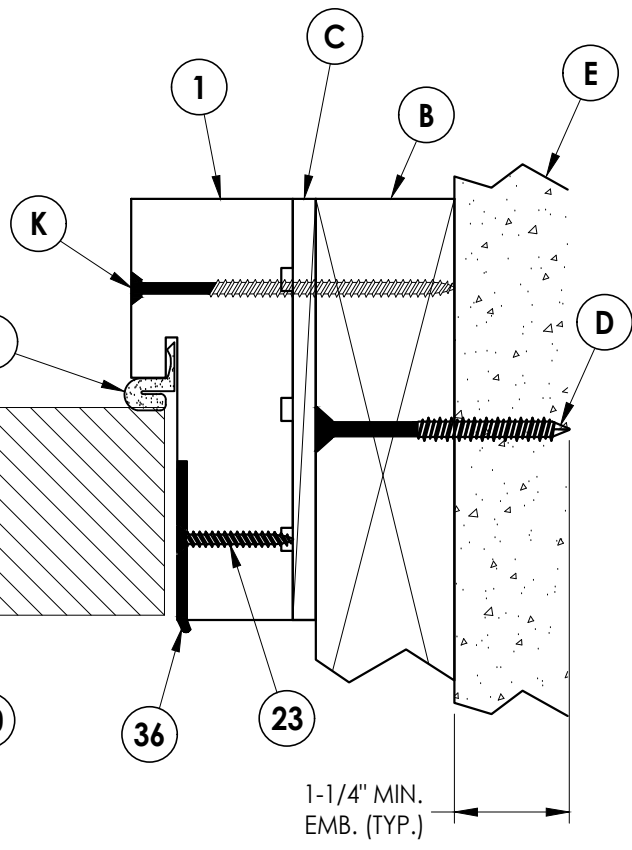


DATE: 3/05/24		PRODUCT: UPSTATE DOOR WOOD DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: ELEVATIONS		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-46620.2					
SHEET 4 OF 12		NO. DATE		BY	
		REVISIONS			

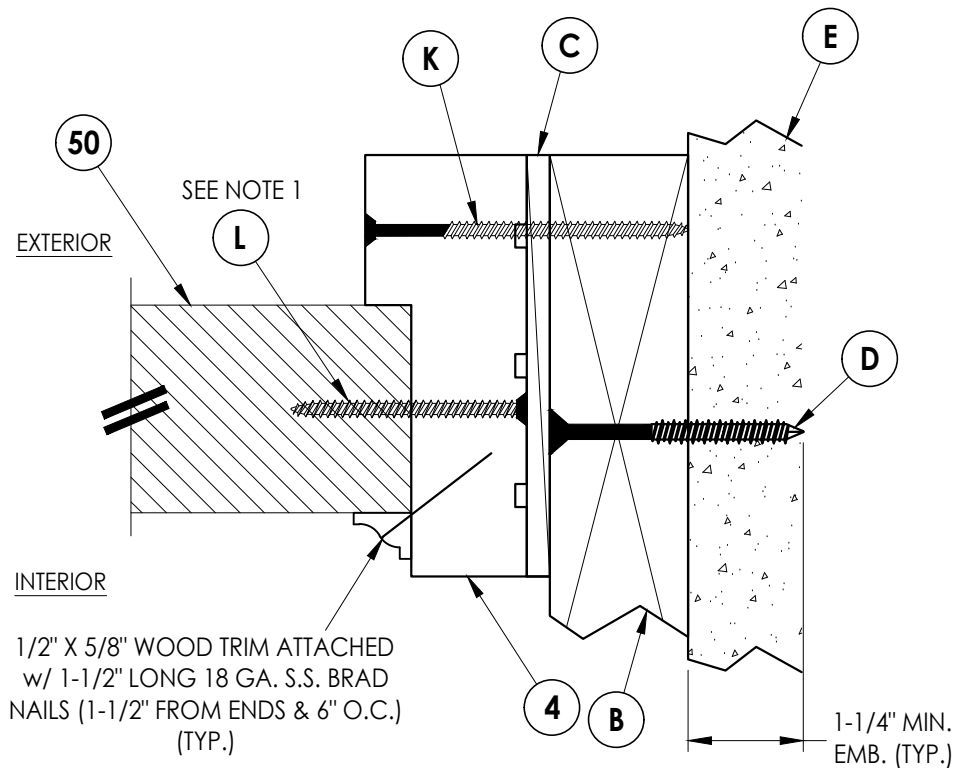
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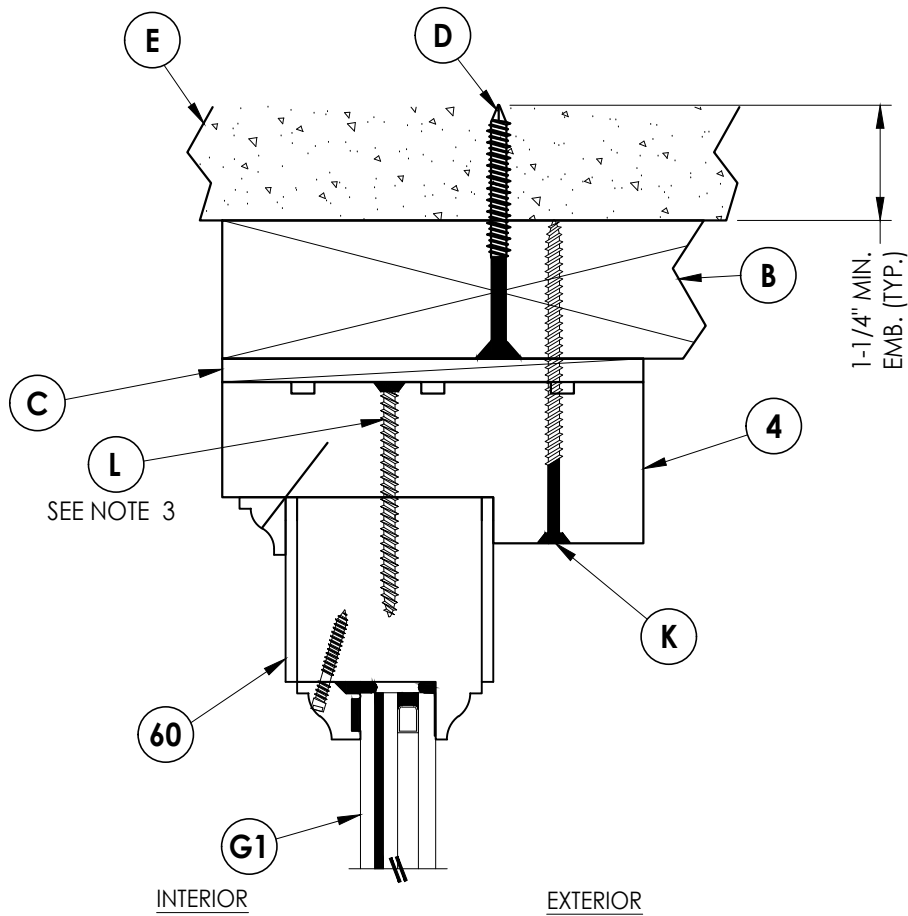
1
5 **HORIZONTAL CROSS SECTION**
2X Buck Construction



2
5 **HORIZONTAL CROSS SECTION**
2X Buck Construction



3
5 **HORIZONTAL CROSS SECTION**
2X Buck Construction

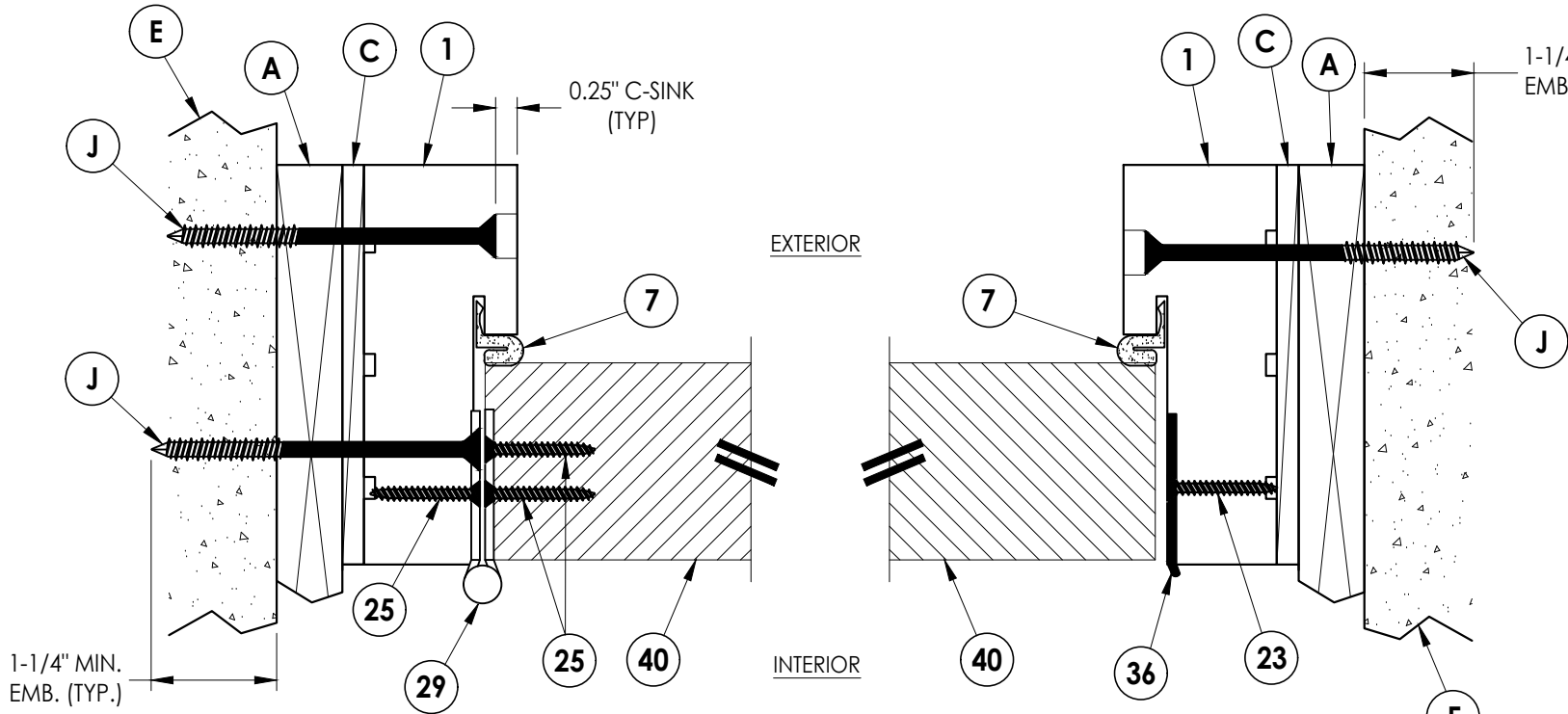


4
5 **VERTICAL CROSS SECTION**
2X Buck Construction

- NOTES:
- SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS & 12" O.C. (10 TOTAL).
 - SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS (2 TOTAL).
 - TRANSOM ASSEMBLY SCREWS LOCATED 4" FROM ENDS & 10" O.C.

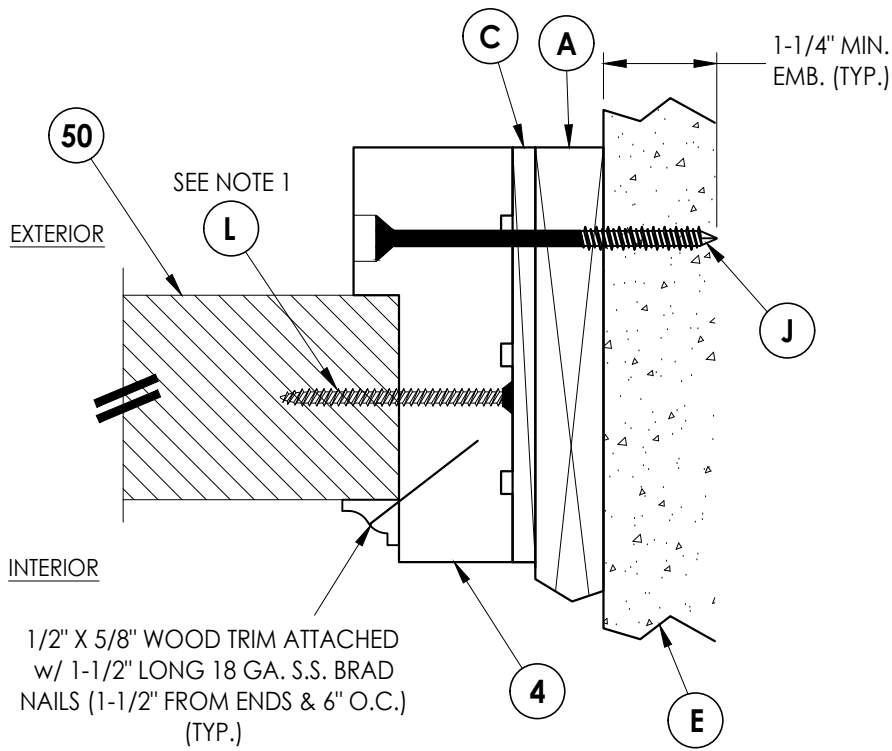
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: UPSTATE DOOR WOOD DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	

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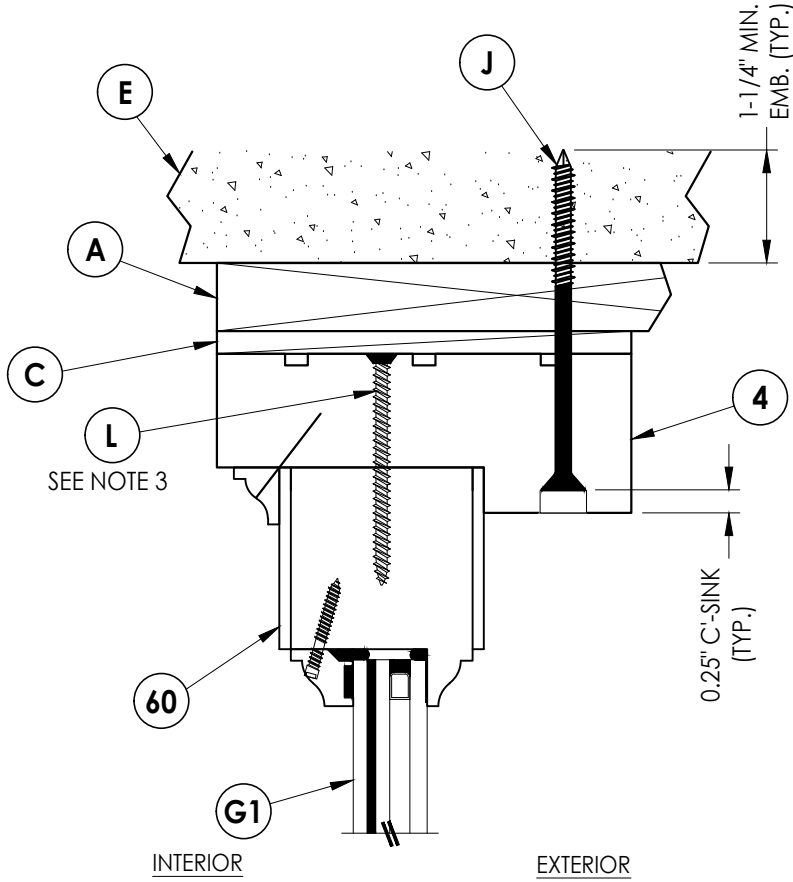


1
6 **HORIZONTAL CROSS SECTION**
1X Buck Construction

2
6 **HORIZONTAL CROSS SECTION**
1X Buck Construction



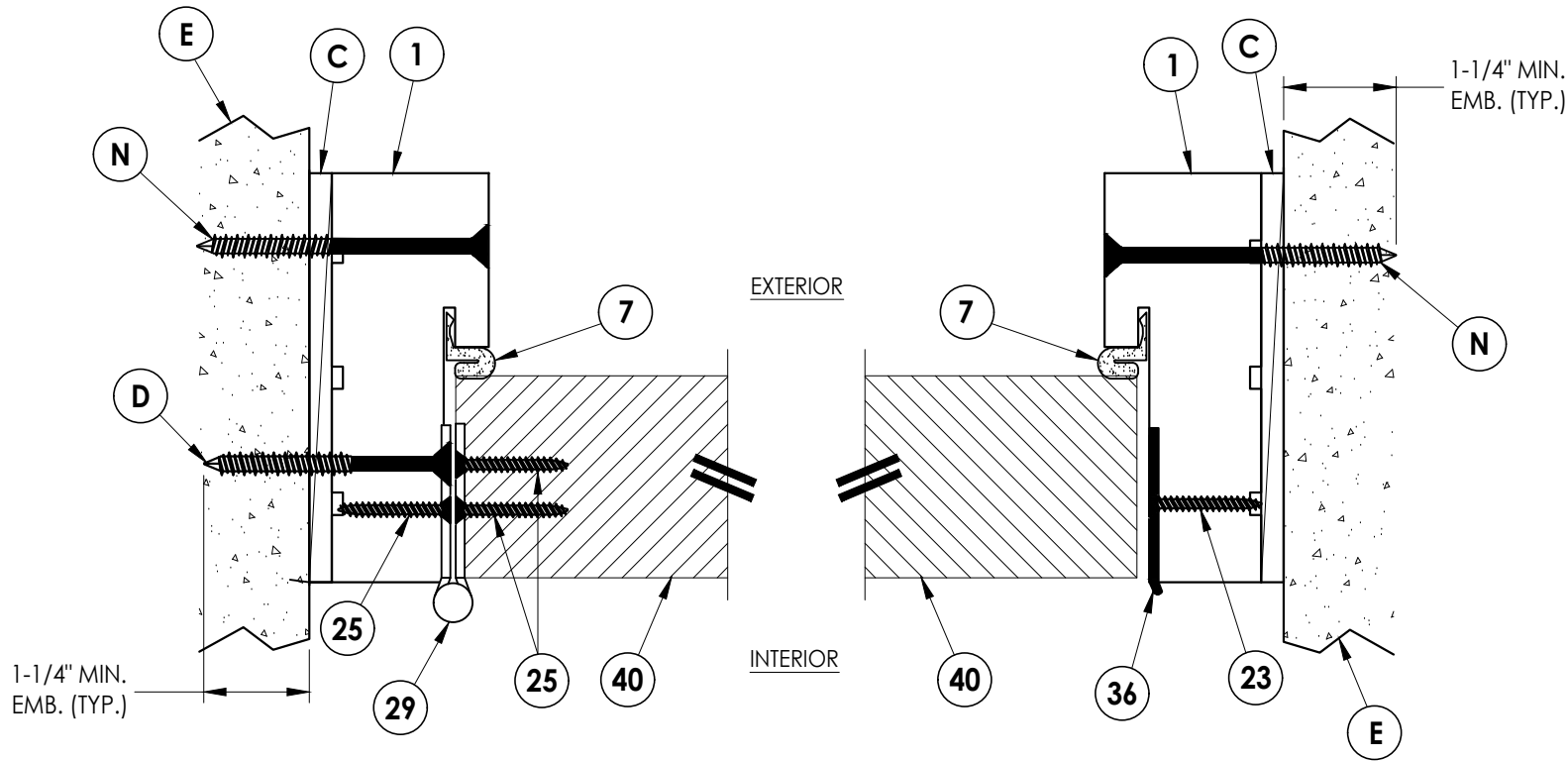
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6 **HORIZONTAL CROSS SECTION**
1X Buck Construction



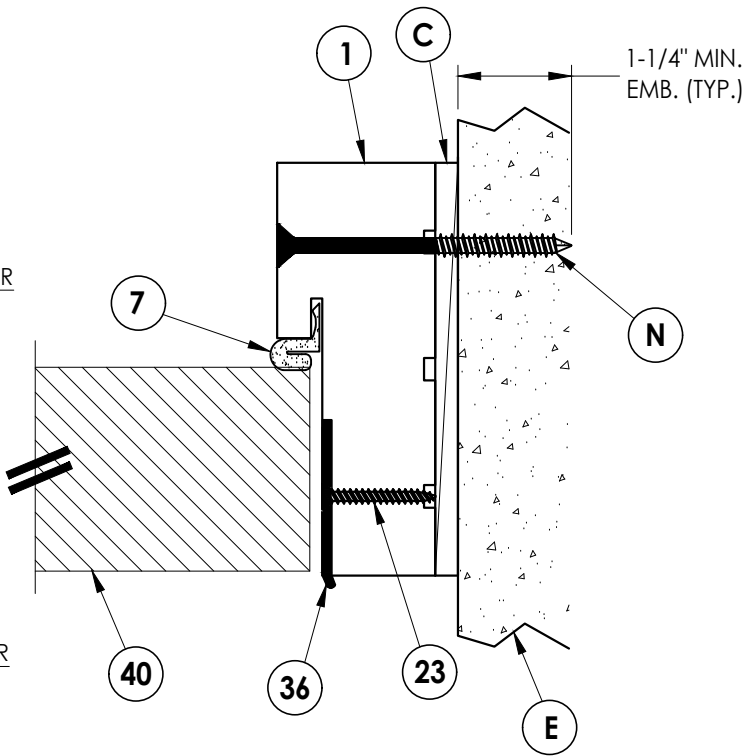
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6 **VERTICAL CROSS SECTION**
1X Buck Construction

- NOTES:
- SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS & 12" O.C. (10 TOTAL).
 - SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS (2 TOTAL).
 - TRANSOM ASSEMBLY SCREWS LOCATED 4" FROM ENDS & 10" O.C.

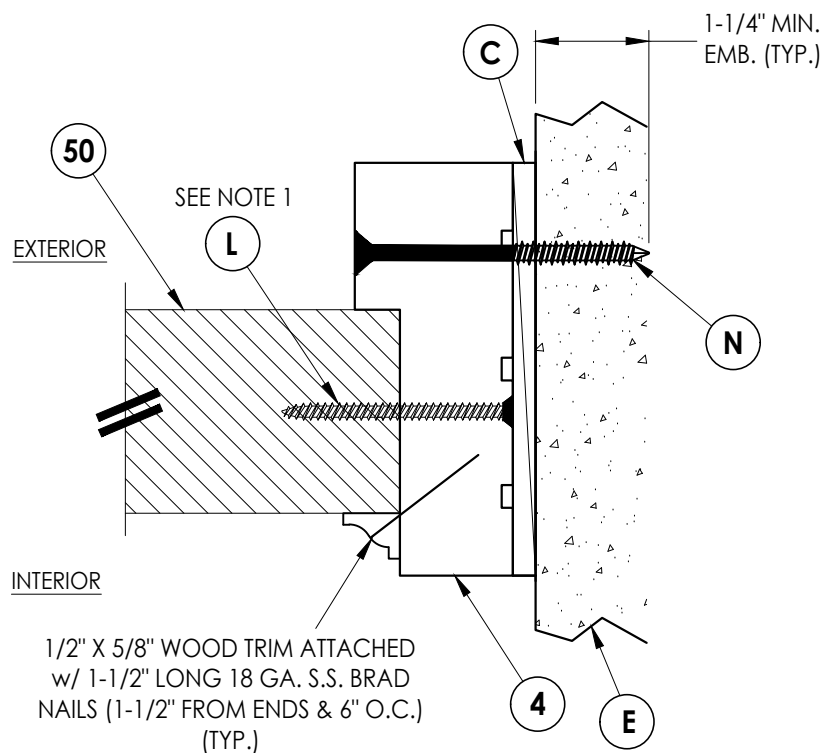
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PRODUCT: UPSTATE DOOR WOOD DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
NO.		DATE	
BY		REVISIONS	
DATE: 3/05/24		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-46620.2		SHEET 6 OF 12	



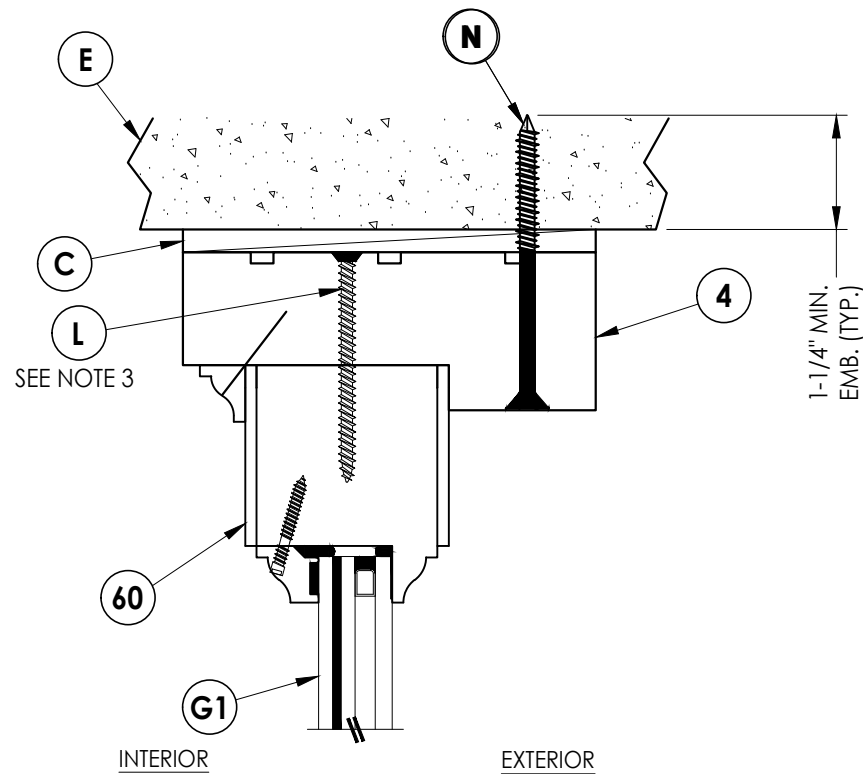
1 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry



2 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry



3 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry



4 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry

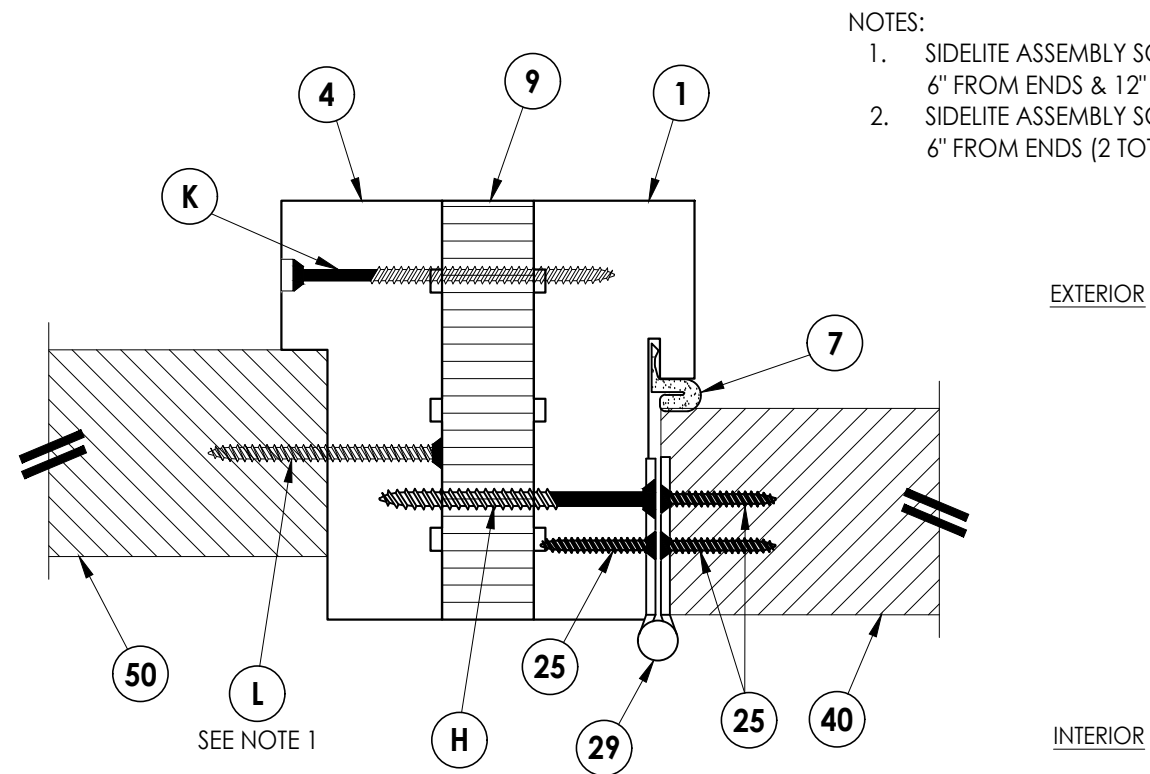
NOTES:

1. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS & 12" O.C. (10 TOTAL).
2. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS (2 TOTAL).
3. TRANSOM ASSEMBLY SCREWS LOCATED 4" FROM ENDS & 10" O.C.

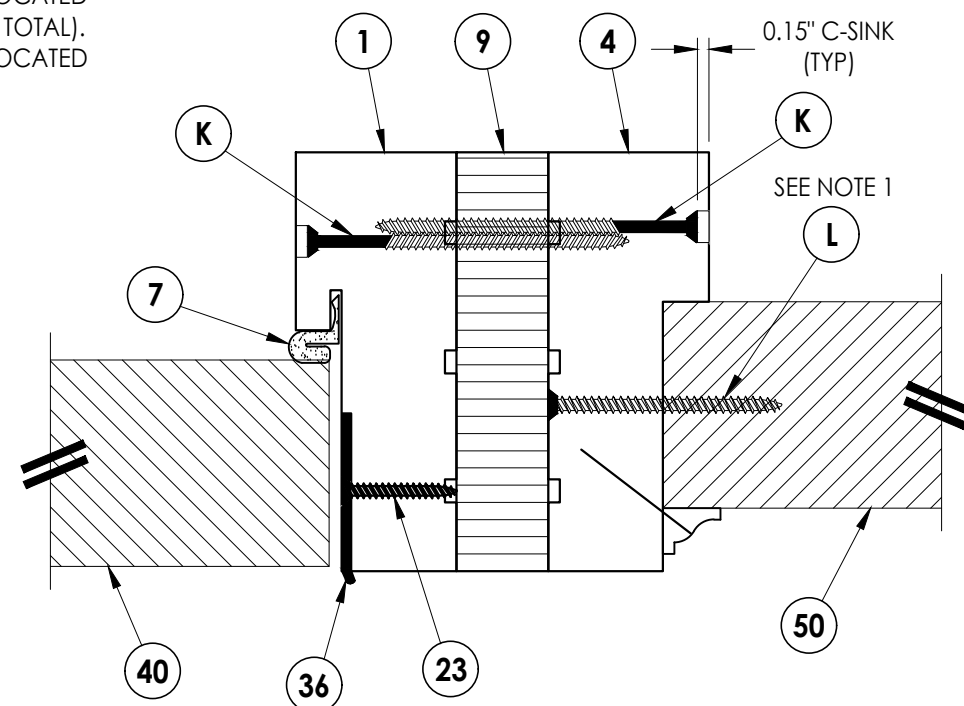
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SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46620.2
SHEET	7 OF 12

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

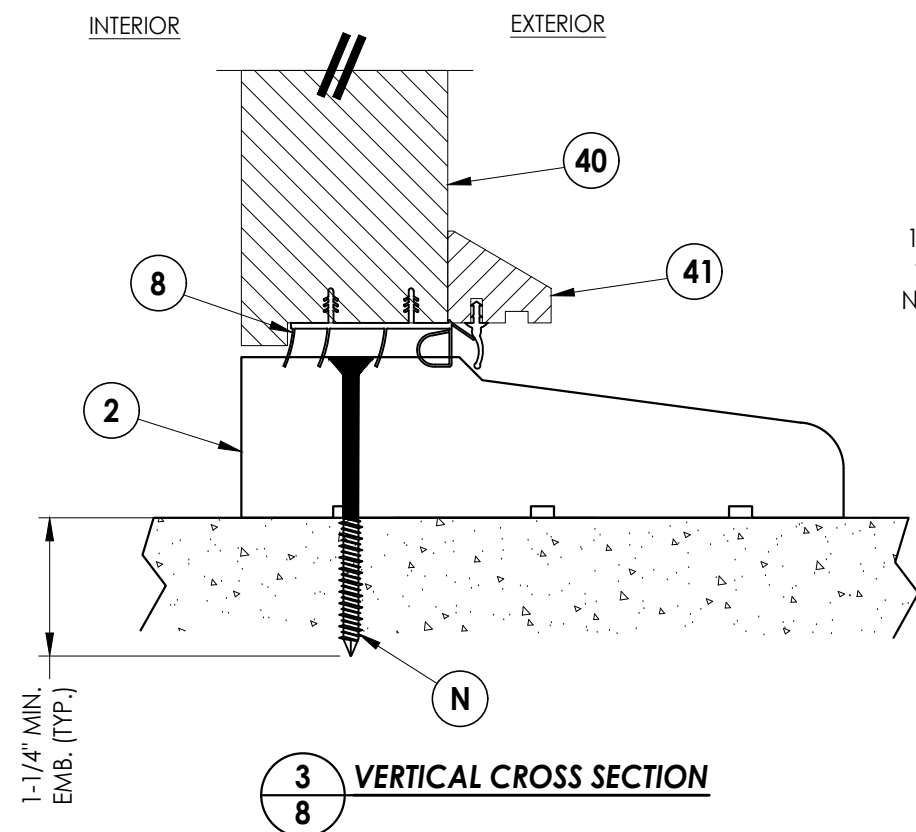
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



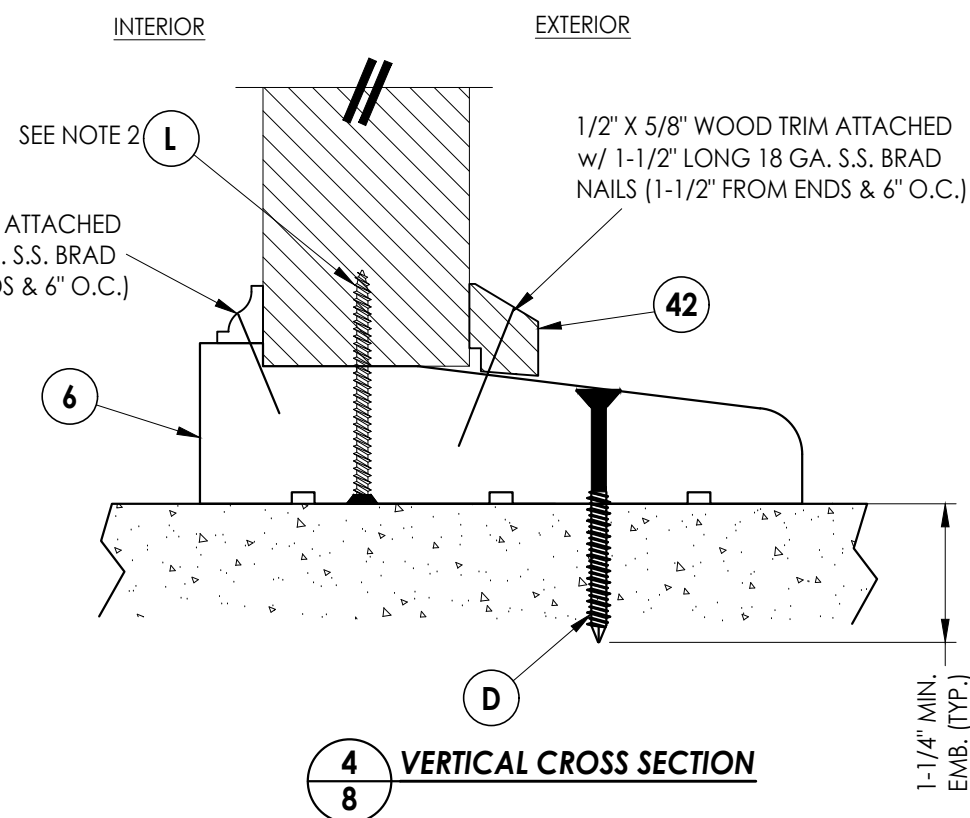
1 **HORIZONTAL CROSS SECTION**
8



2 **HORIZONTAL CROSS SECTION**
8



3 **VERTICAL CROSS SECTION**
8



4 **VERTICAL CROSS SECTION**
8

NOTES:

1. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS & 12" O.C. (10 TOTAL).
2. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS (2 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: UPSTATE DOOR
WOOD DOOR

PART OR ASSEMBLY:
**HORIZONTAL & VERTICAL
CROSS SECTIONS**

[illegible]

DATE: 3/05/24

SCALE: *N.T.S.*

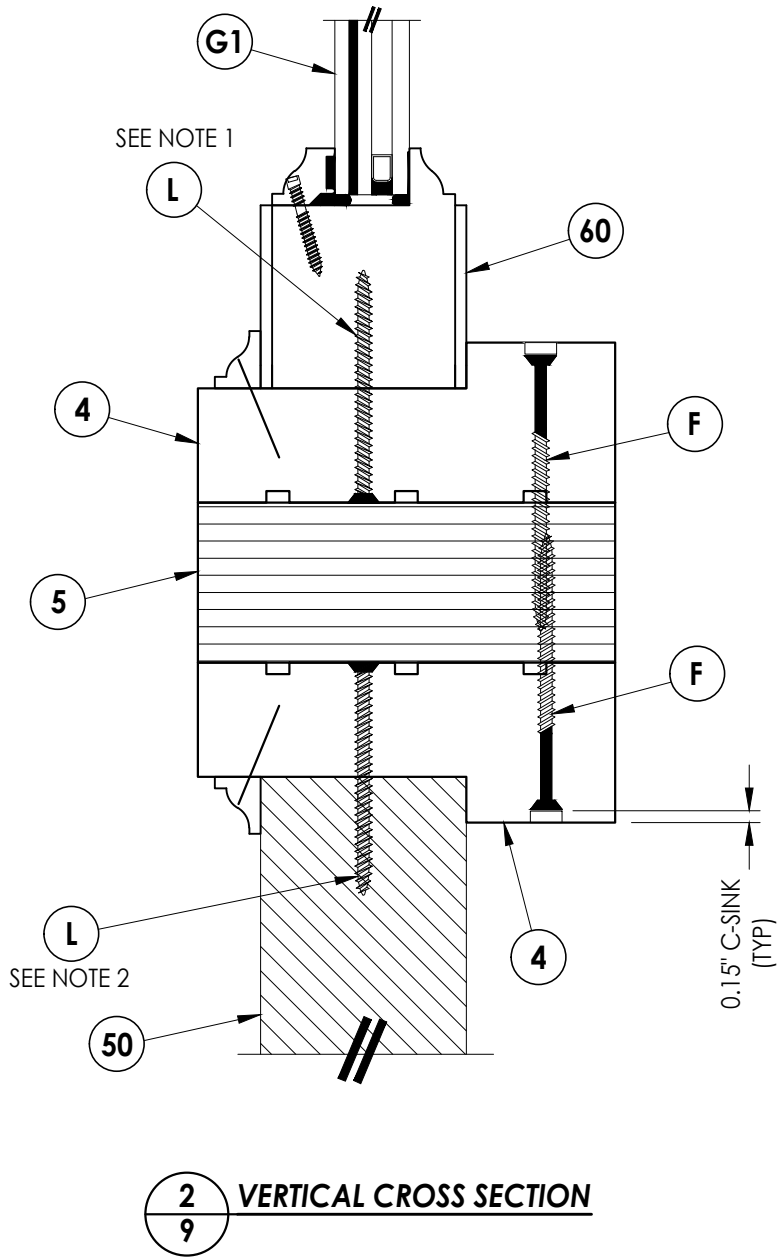
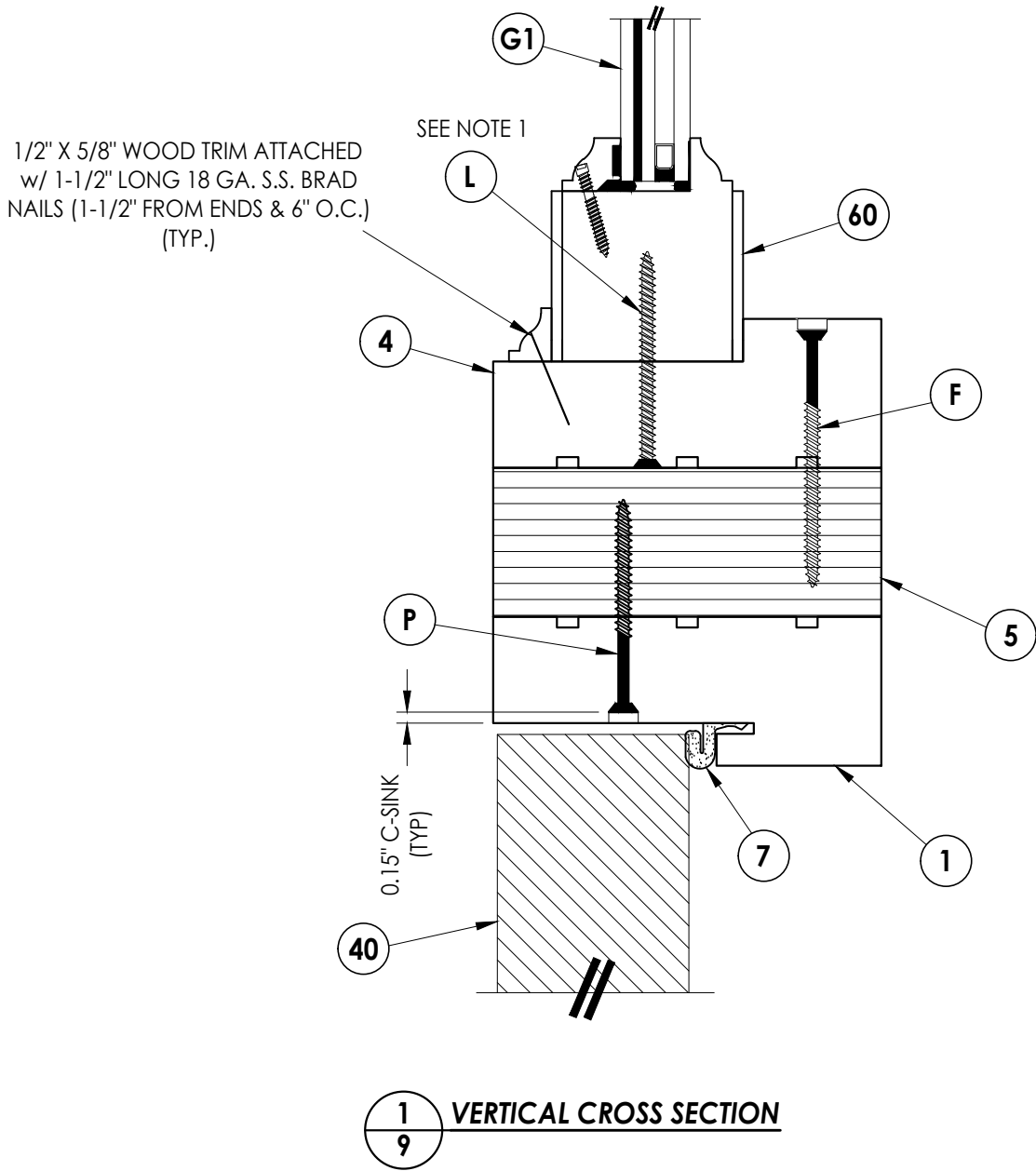
DWG. BY: *LFS*

CHK. BY: RW

DRAWING NO.:
FL-46620.2

SHEET 8 OF 12

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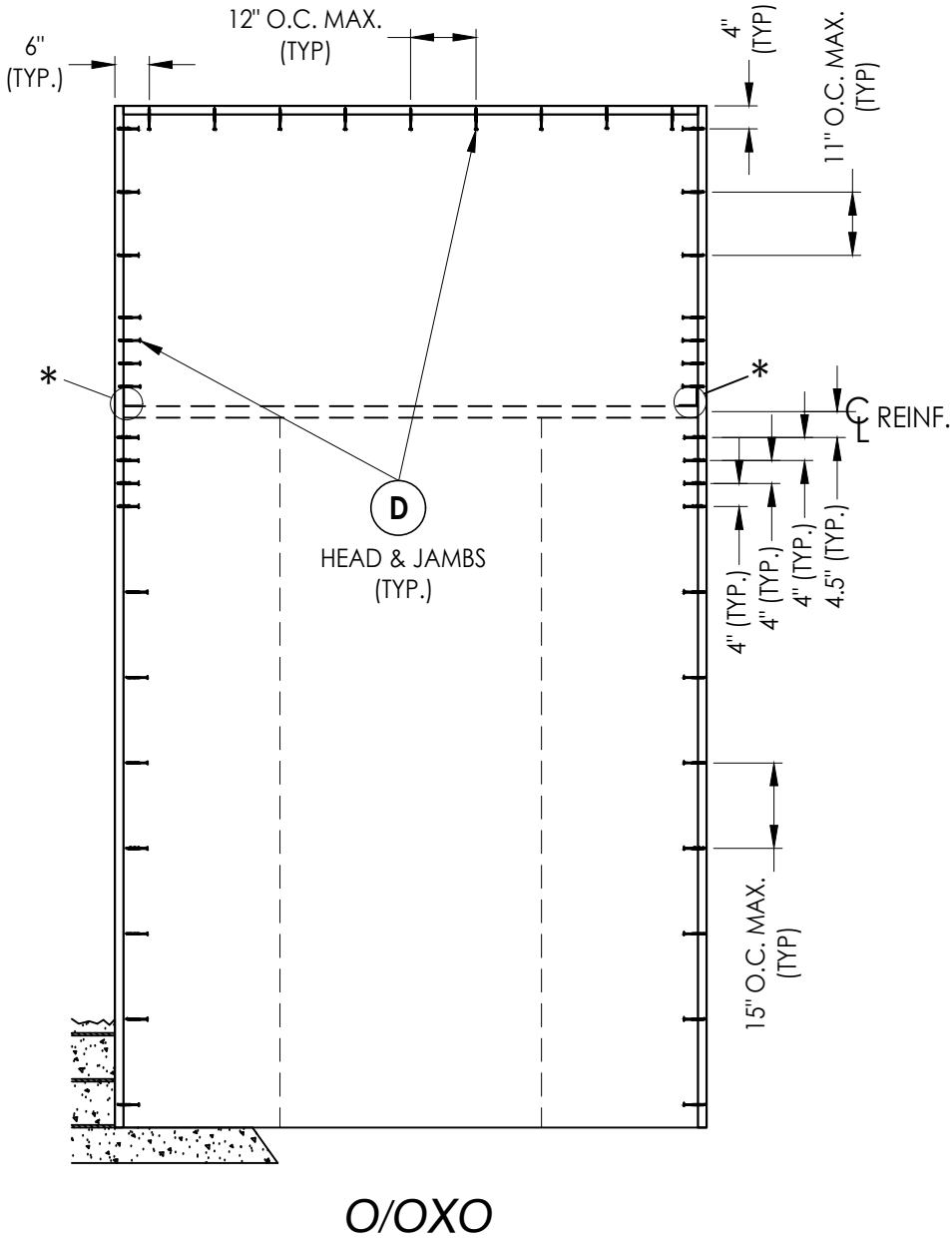
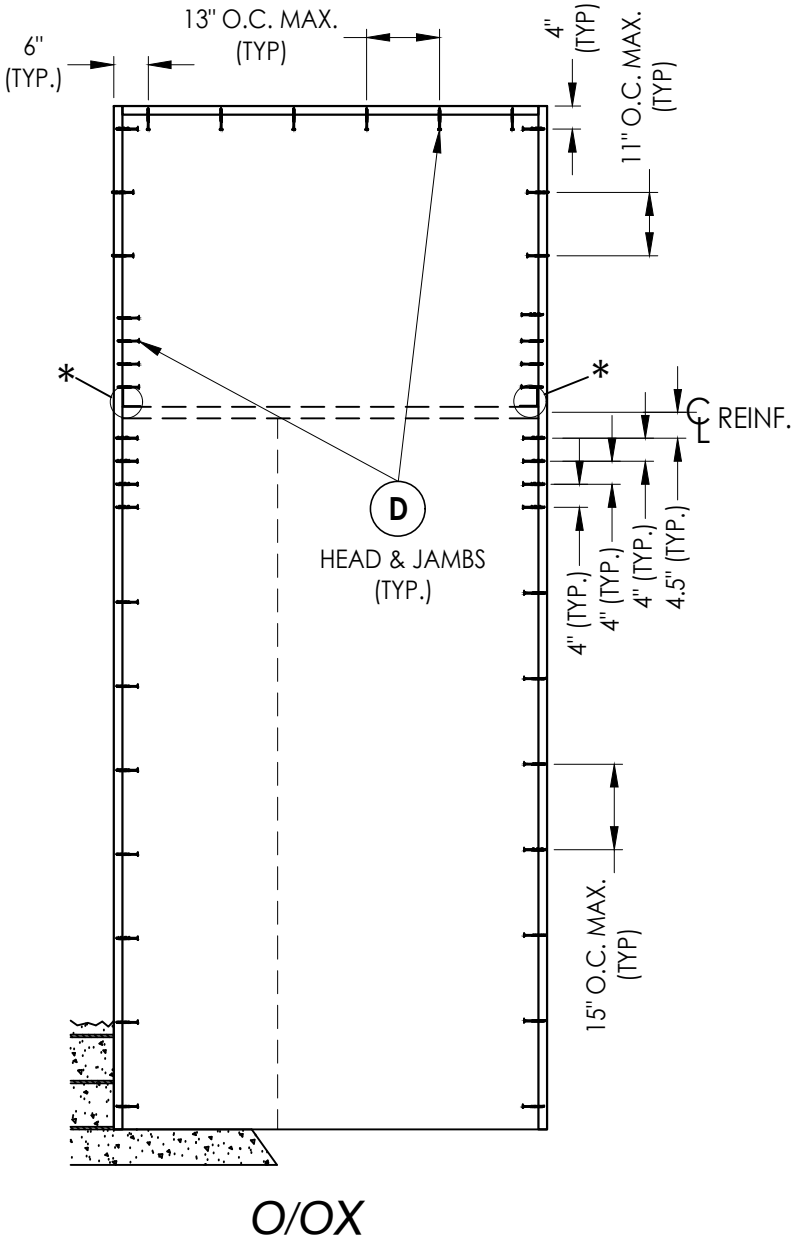
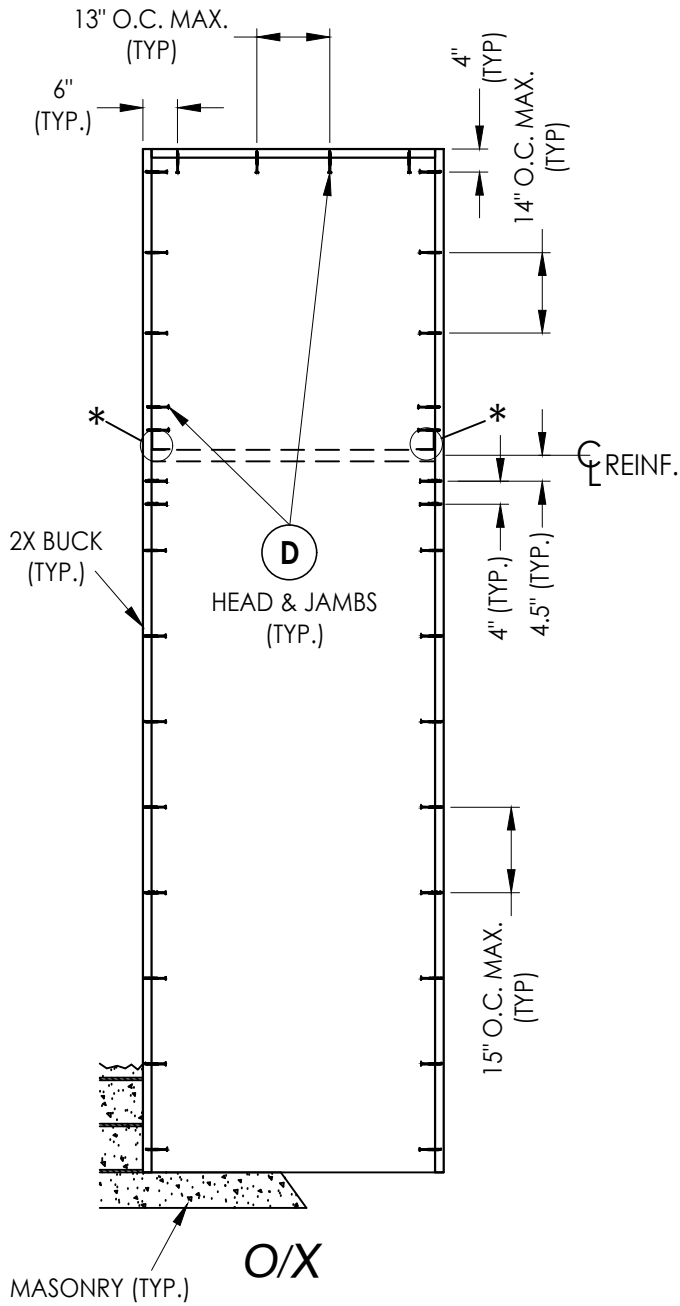


- NOTES:
1. TRANSOM ASSEMBLY SCREWS LOCATED 6" FROM ENDS & 10" O.C. (9 TOTAL).
 2. SIDELITE ASSEMBLY SCREWS LOCATED 6" FROM ENDS (2 TOTAL).

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PRODUCT: UPSTATE DOOR WOOD DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	

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* SEE MULLION ANCHOR CLIP
CONNECTION TO JAMB (SHEET 11)



2X BUCK ANCHORING

DATE:	3/05/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46620.2
SHEET	10 OF 12

PRODUCT:	UPSTATE DOOR WOOD DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

Documents Prepared By:	Lyndon F. Schmidt P.E. No. 43409
	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813

DIRECT TO MASONRY: (3) 3/16" Ø X 2-1/4" PFH ITW CONCRETE SCREWS



SHEET 11 OF 12

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	#10 X 3" PFH WOOD SCREW	STEEL
H	#12 X 3" PFH WOOD SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 X 3-1/2" STAR FH DECK SCREW	STEEL
L	#12 X 2-1/2" PFH SMS	STEEL
N	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
P	#10 X 2-1/2" PFH WOOD SCREW	STEEL
1	DOOR JAMB	WOOD
2	DOOR SILL	WOOD
4	SIDELITE/TRANSOM JAMB	WOOD
5	REINFORCEMENT - TIMBERSTRAND LSL (1.75" X 4.5")	LSL WOOD
6	SIDELITE SILL	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	REINFORCEMENT - (1" X 4.5")	ENG. WOOD
23	#8 X 1" PFH WOOD SCREW	STEEL
25	#12 X 1-1/4" PFH WOOD SCREW	STEEL
29	4.5" X 4.5" HINGE	BRASS
36	MULTIPOINT LATCH & DEADBOLT STRIKE PLATE	STEEL
37	MULTIPOINT TONGUE STRIKE PLATE	STEEL
40	DOOR PANEL	WOOD
41	DOOR DRIP CAP w/ SWEEP	WOOD/VINYL
42	SIDELITE DRIP CAP	WOOD
50	SIDELITE PANEL	WOOD
60	TRANSOM PANEL	WOOD

WOOD DOOR FRAME COMPONENTS:

AFRICAN MAHOGANY: (G = 0.50)

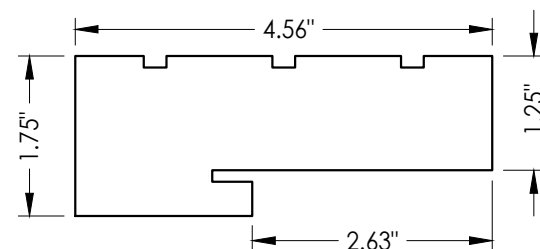
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. Concrete anchor table:

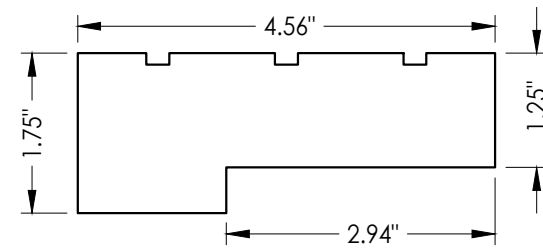
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

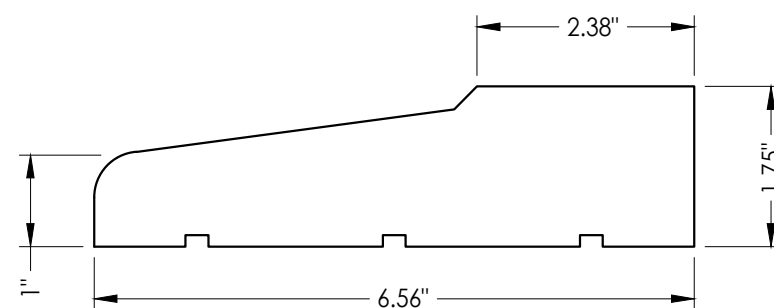
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



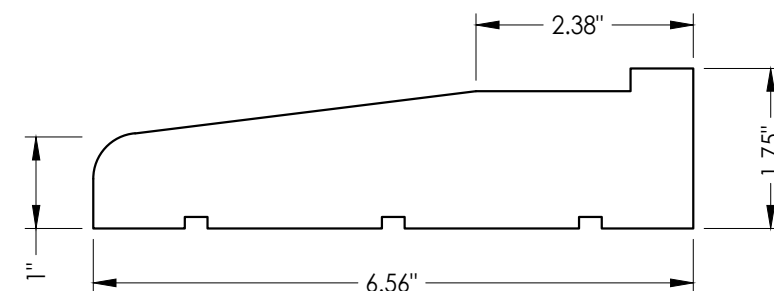
1 DOOR JAMB



4 SIDELITE JAMB



2 DOOR SILL



6 SIDELITE SILL

DATE: 3/05/24 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: FL-46620.2 SHEET 12 OF 12	NO. DATE BY	REVISIONS	PRODUCT: UPSTATE DOOR WOOD DOOR	PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	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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