

IMPACT 360 SERIES
WOOD GLAZED OR OPAQUE
NARROW STILE & RAIL
DOUBLE DOOR
w/ or w/out SIDELITES
INSWING/OUTSWING

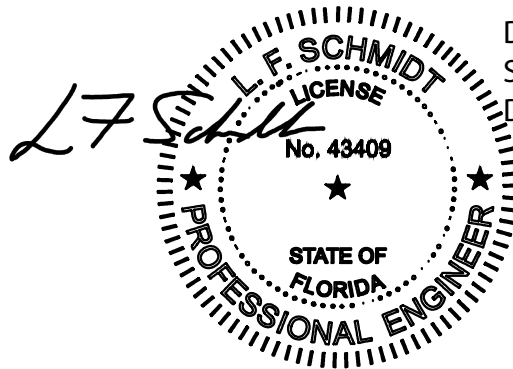
GENERAL NOTES:

"IMPACT"

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- Outswing configurations meet water infiltration requirements for "HVHZ".
- Inswing configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

TABLE OF CONTENTS

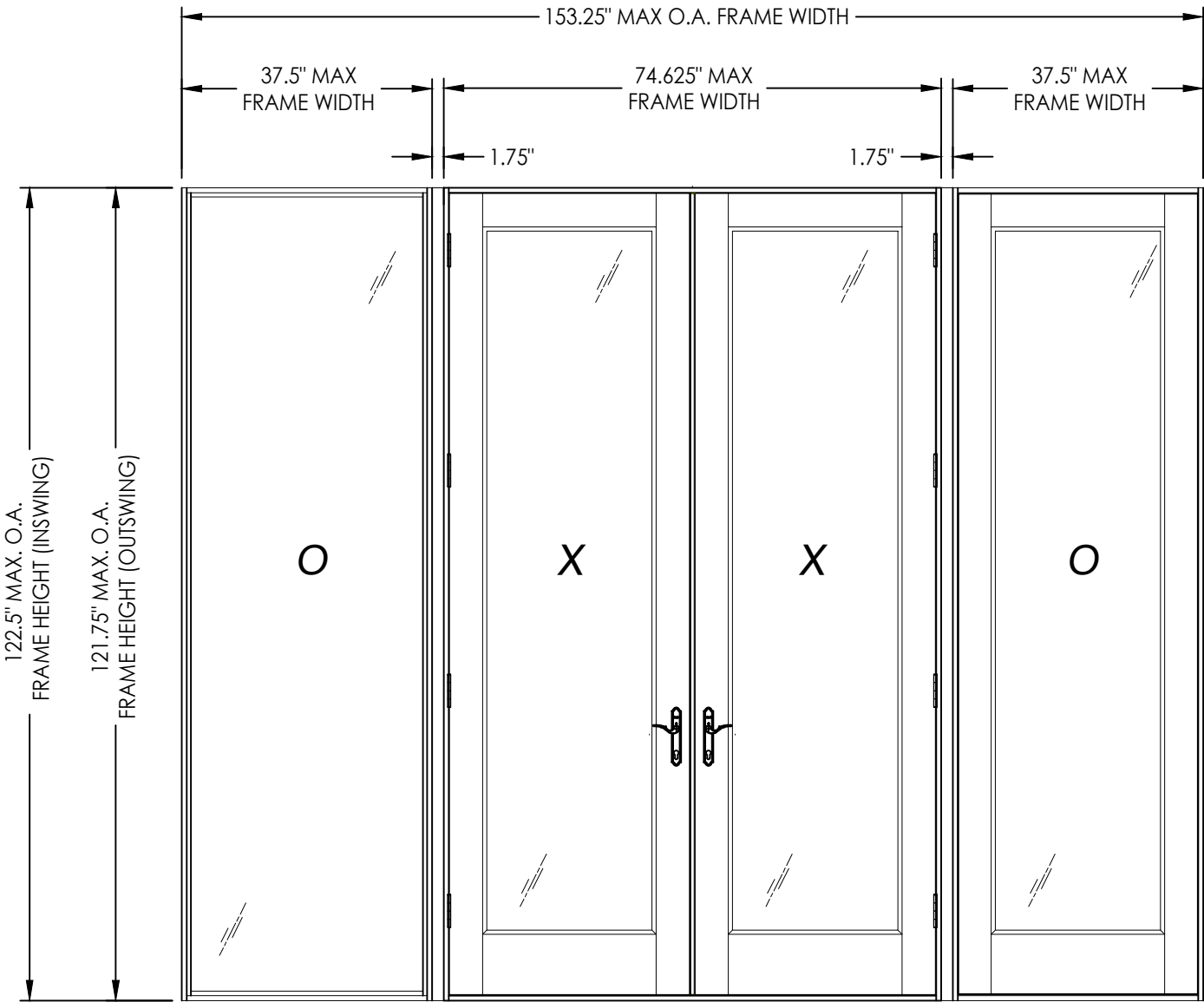
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Glazing & Panel Infil Details
5	Elevations
6	Horizontal & Vertical Cross Sections (2X Buck)
7	Horizontal & Vertical Cross Sections (1X Buck)
8	Horizontal & Vertical Cross Sections
9	Vertical Cross Sections (Thresholds)
10	Buck Anchoring
11	Frame Anchoring
12	Hardware Details
13	Bill of Materials & Components



Digitally signed by Lyndon F Schmidt
Date: 2025.10.16 14:26:16 -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



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	+60.0	-60.0	+60.0	-60.0

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

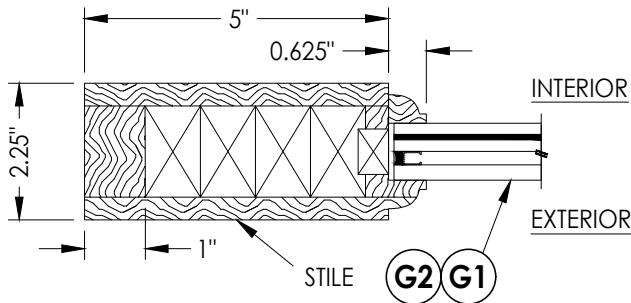
PRODUCT: MILLWORK 360
WOOD DOOR

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

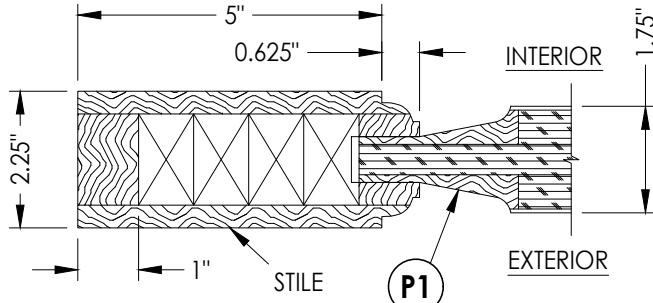
REVISIONS	
NO.	DATE

DATE: 10/01/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-21891.17
SHEET 1 OF 13

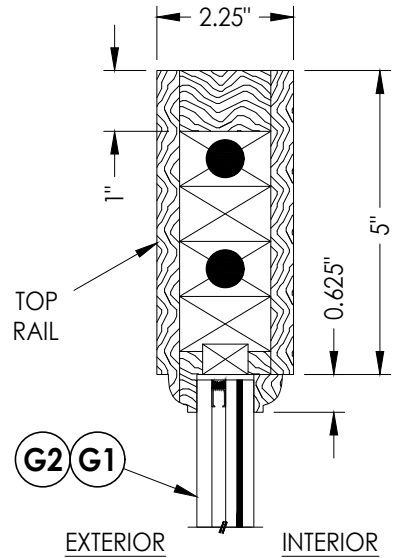
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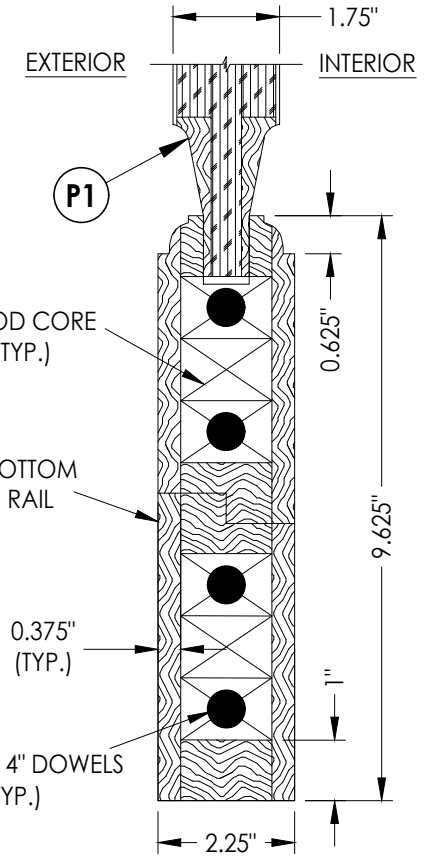
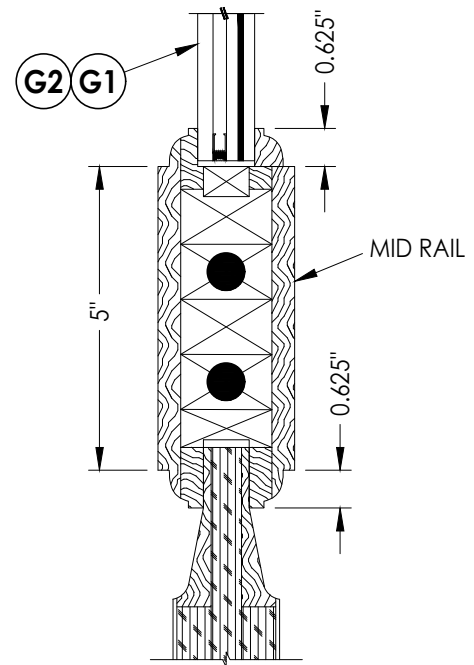
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2 HORIZONTAL CROSS SECTION



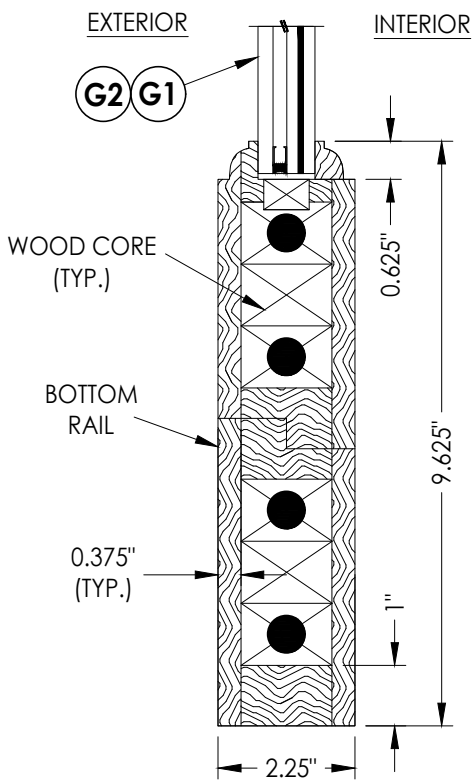
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2 HORIZONTAL CROSS SECTION



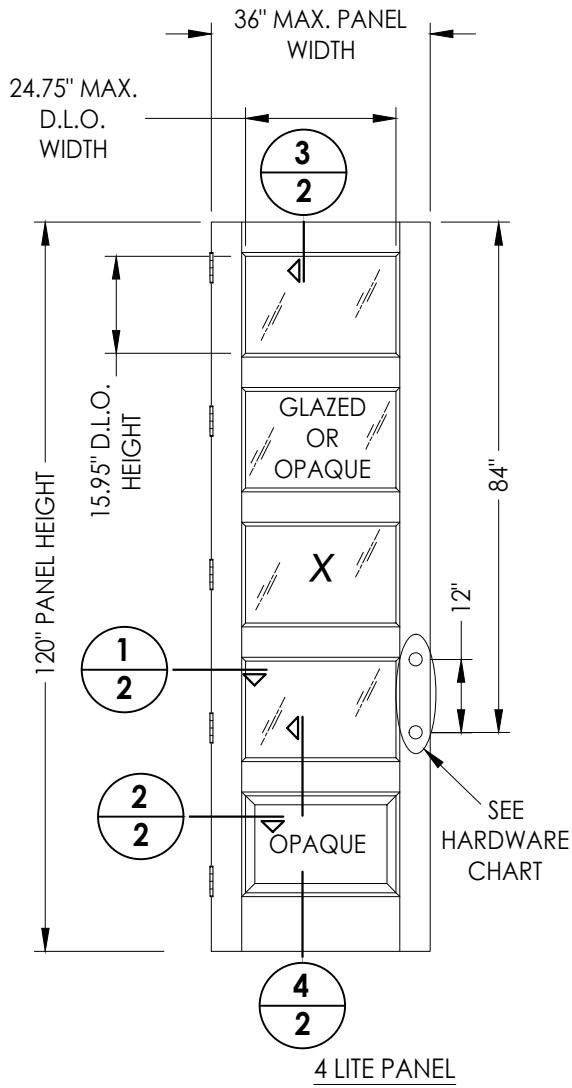
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2 VERTICAL CROSS SECTION



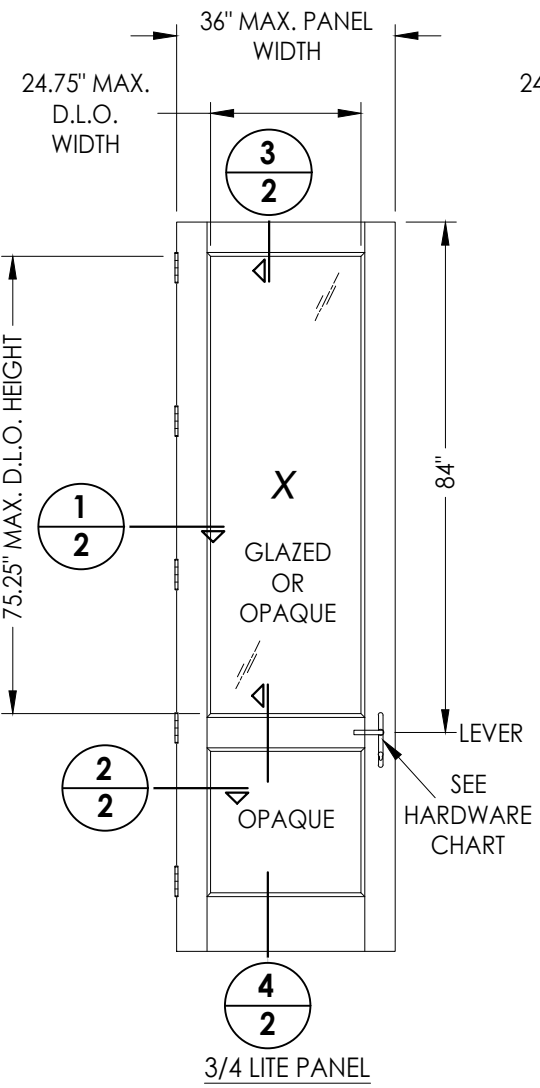
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2 VERTICAL CROSS SECTION



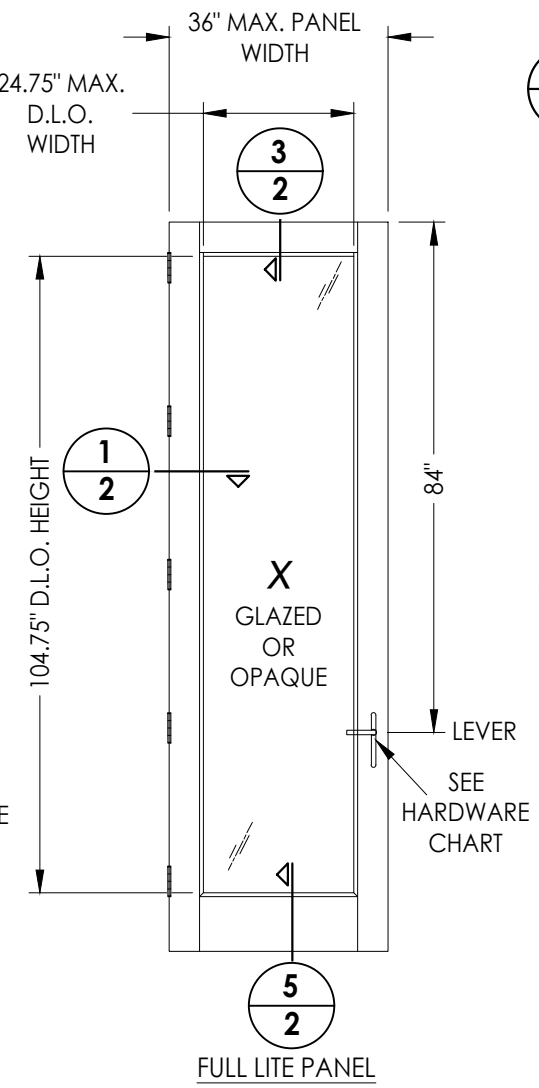
5
2 VERTICAL CROSS SECTION



4 LITE PANEL



3/4 LITE PANEL



FULL LITE PANEL

40 WOOD DOOR PANELS
Glazed or Opaque (MILLWORK 360)

WOOD DOOR COMPONENTS:
VENEER/EDGES: MAHOGANY (G = 0.55)
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)

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

PRODUCT:
MILLWORK 360
WOOD DOOR

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

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

NO.	DATE	REVISIONS	BY

DATE: 10/01/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-21891.17
SHEET 2 OF 13

Diagram illustrating the dimensions and components of a three-panel door assembly:

- 36" MAX. PANEL WIDTH**: Dimension across the top of the three panels.
- 24.75" MAX. D.L.O. WIDTH**: Dimension across the top of the door leaf (D.L.O.).
- 75.25" MAX. D.L.O. HEIGHT**: Dimension along the side of the door leaf (D.L.O.).
- Callout 1/3**: Points to the top panel, labeled **GLAZED**.
- Callout 2/3**: Points to the middle panel, labeled **OPAQUE**.
- Callout 4/3**: Points to the bottom panel, labeled **3/4 LITE PANEL**.

Diagram illustrating the dimensions and components of a Full Lite Panel:

- 36" MAX. PANEL WIDTH**: Dimension across the top of the panel.
- 24.75" MAX. D.L.O. WIDTH**: Dimension across the top of the panel, indicating the maximum width of the door/lite opening.
- 104.75" D.L.O. HEIGHT**: Dimension along the left side of the panel, indicating the maximum height of the door/lite opening.
- Callout 1/3**: Located on the left side of the panel, pointing to the door/lite opening.
- Callout 3/3**: Located at the top of the panel, pointing to the top edge.
- Callout 5/3**: Located at the bottom of the panel, pointing to the bottom edge.
- FULL LITE PANEL**: Label at the bottom of the diagram.
- O GLAZED**: Label inside the panel, indicating the glazed area.

Technical drawing of a vertical assembly, likely a mechanical component or a structural element. The drawing shows a cross-section of the assembly with various dimensions and labels.

Dimensions:

- Overall height: 5"
- Top section height: 0.625"
- Bottom section height: 0.625"

Labels:

- G2 (top left)
- G1 (top left)
- MID RAIL (right side, pointing to the central section)

The assembly consists of a central vertical shaft or rail, surrounded by a housing or support structure. The central shaft has a series of rectangular sections, each containing a diagonal cross-hatch pattern. The housing is shown in cross-section with a wavy, textured pattern. The top and bottom sections of the housing are labeled G2 and G1, respectively. The central section is labeled MID RAIL. The dimensions indicate the overall height and the thickness of the top and bottom sections.

EXTERIOR INTERIOR

WOOD CORE
(TYP.)

BOTTOM
RAIL

0.375"
(TYP.)

16" Ø x 4" DOWELS
(TYP.)

0.625"

9.625"

1"

2.25"

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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

MILLWORK 360
WOOD DOOR

ASSEMBLY:

[illegible]

DATE: 10/01/25

SCALE: N.T.S.

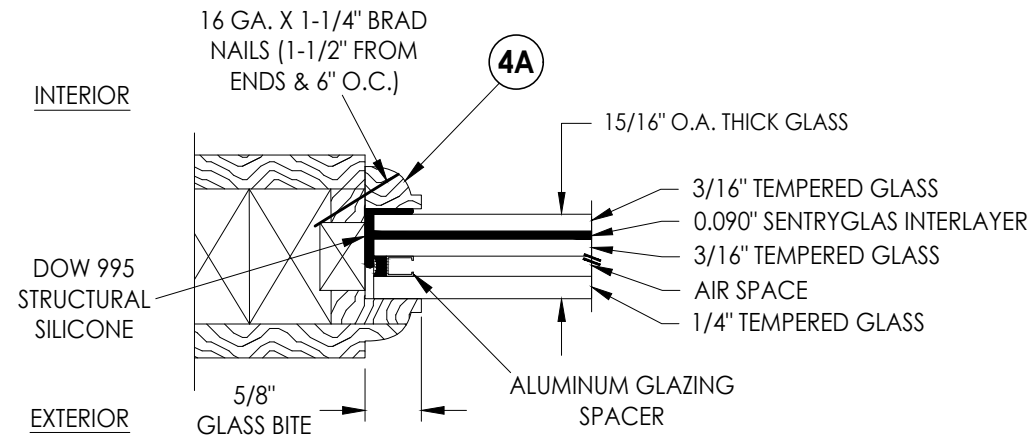
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CHK. BY: RW

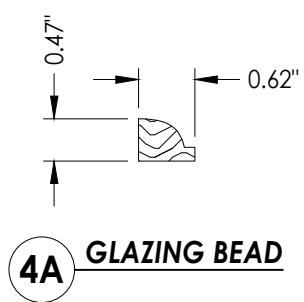
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FL-21891.17

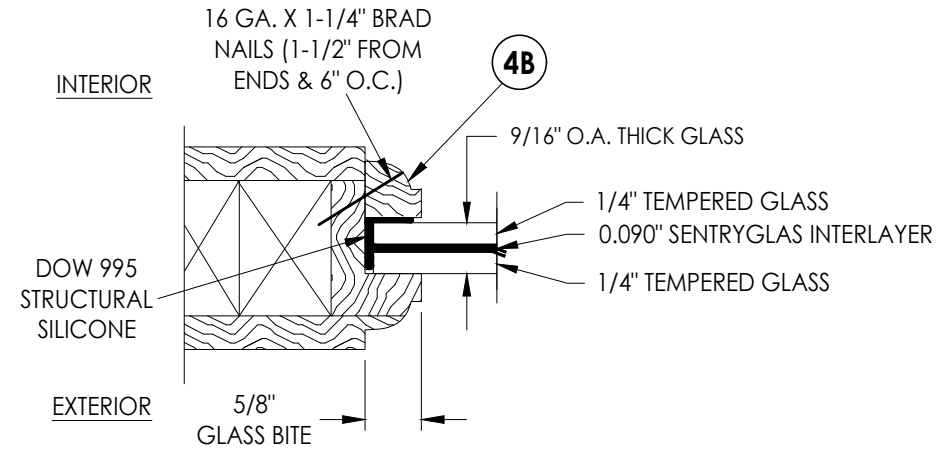
SHEET 3 OF 13



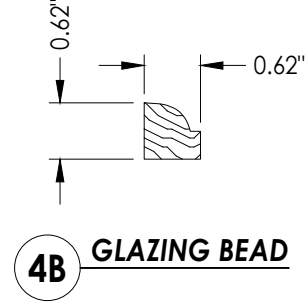
G1 GLAZING DETAIL



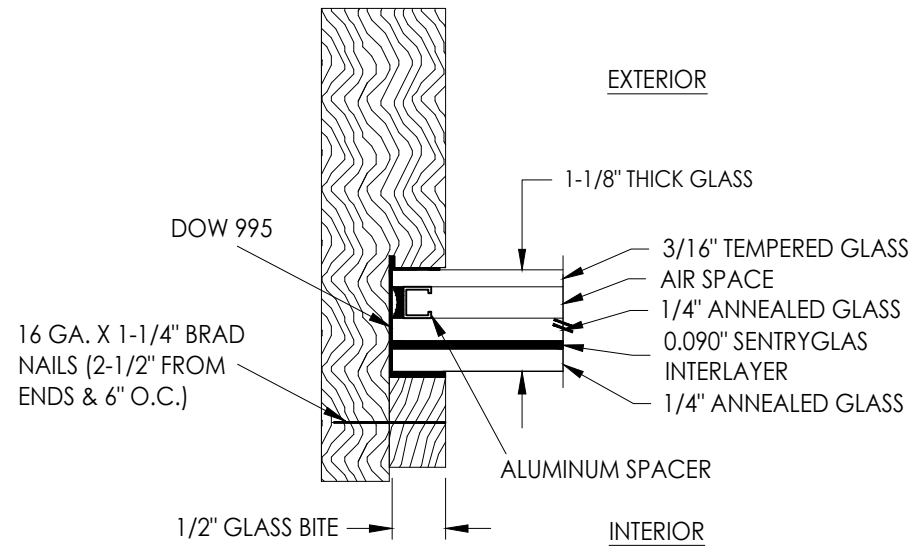
4A GLAZING BEAD



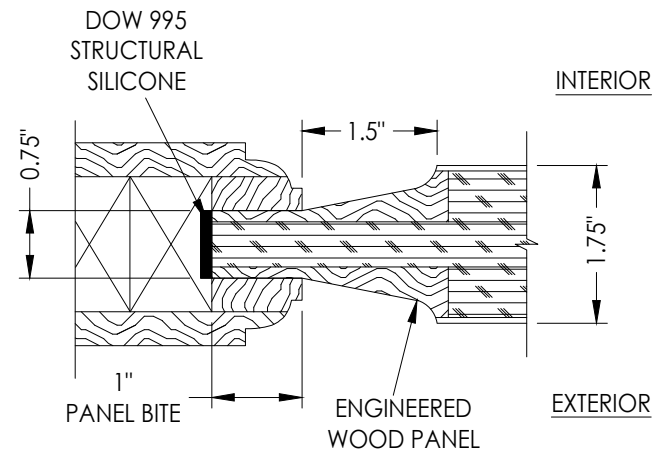
G2 GLAZING DETAIL



4B GLAZING BEAD



G3 GLAZING DETAIL



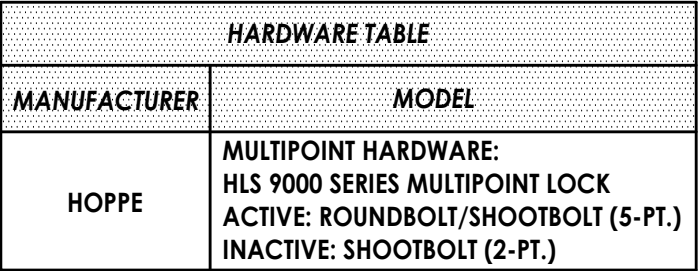
P1 PANEL INFIL DETAIL

[illegible]

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

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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Panel options shown are for illustration and are representative only. Surface applied muntins are used for simulated divided lites shown.

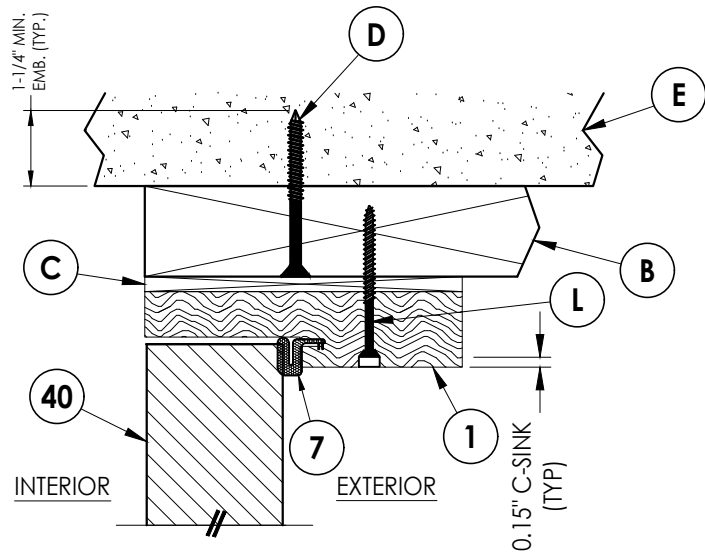
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DATE:	010/01/25
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-21891.17
SHEET	5 OF 13

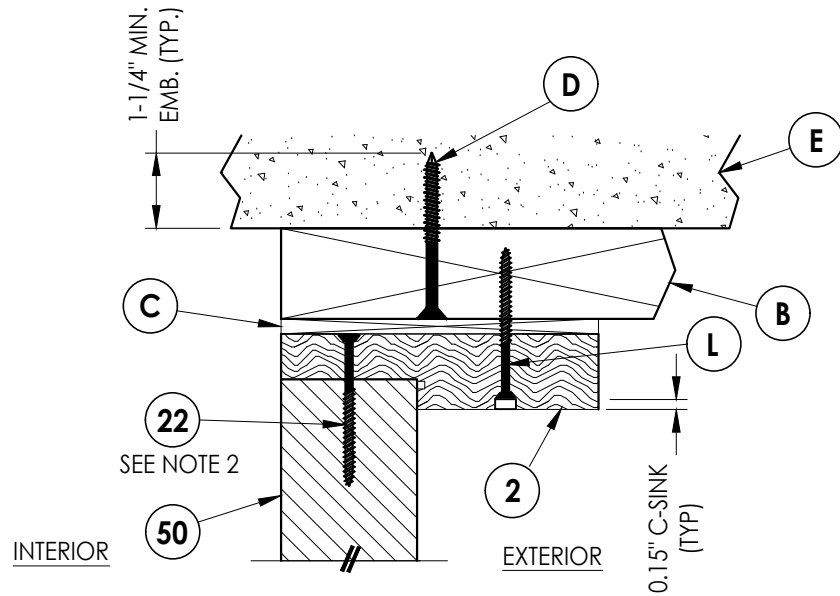
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

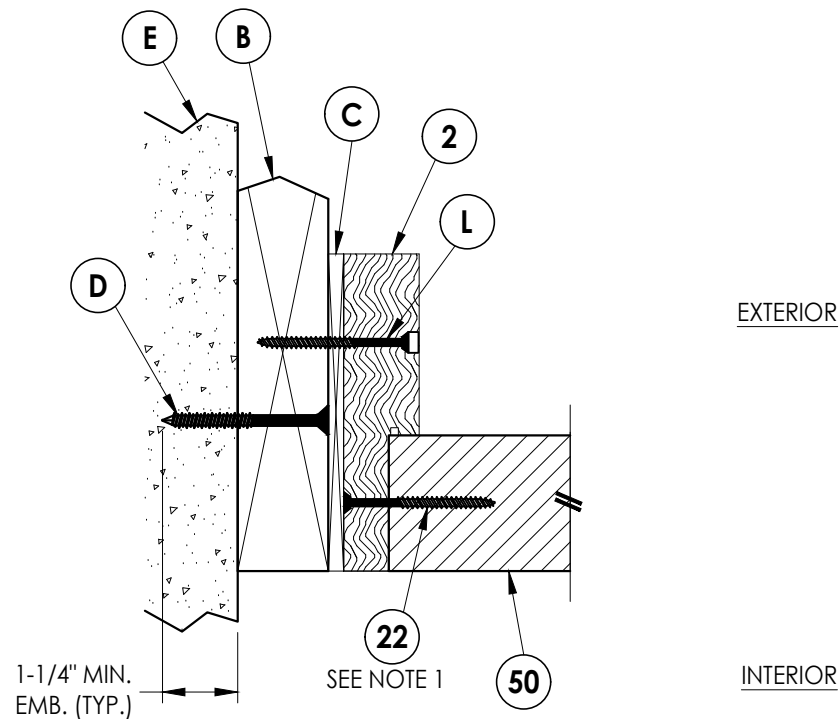
- NOTES:
- Item #22 located 4" from each end & 9 more equally spaced (11 total).
 - Item #22 located 4" from each end & 1 at the center line (3 total).



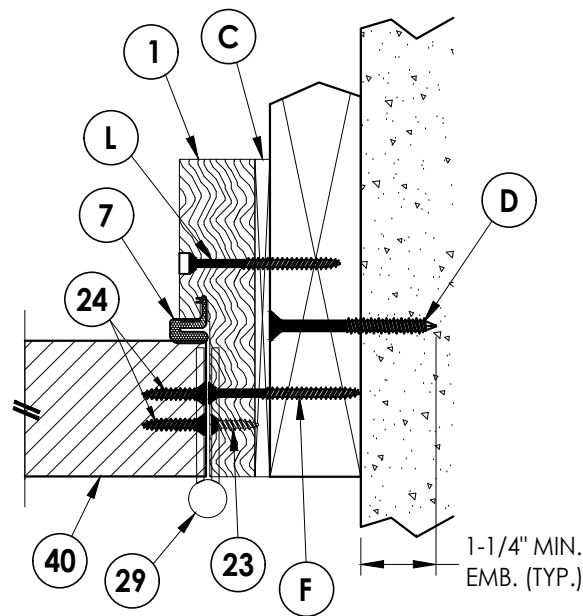
1
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



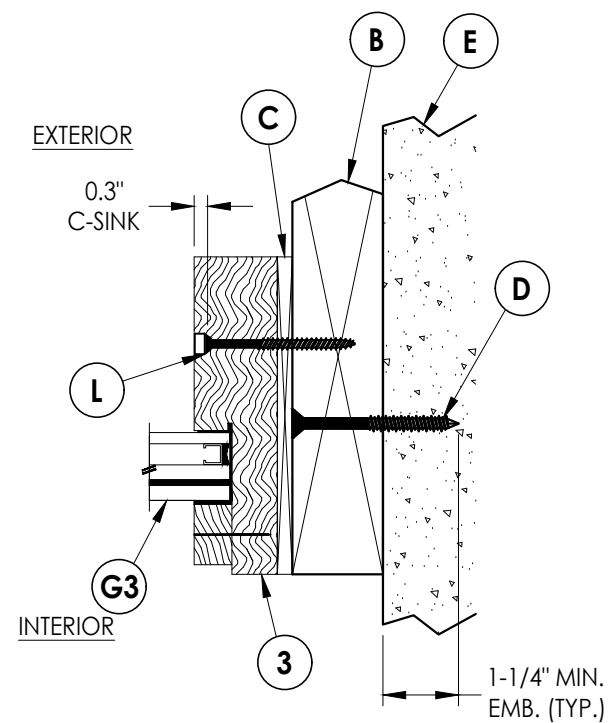
2
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



3
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



4
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



5
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)

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

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Phone No.: 813.659.9197
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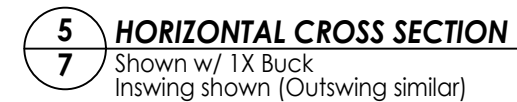
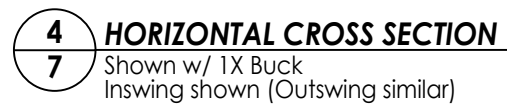
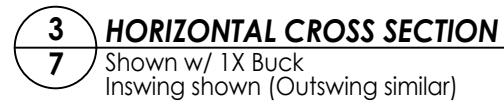
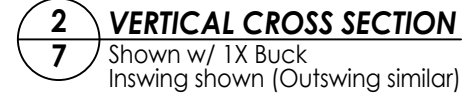
PRODUCT: MILLWORK 360
WOOD DOOR

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

NO.	DATE	BY	REVISIONS

DATE: 10/01/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-21891.17
SHEET 6 OF 13

1. Item #22 located 4" from each end & 9 more equally spaced (11 total).
2. Item #22 located 4" from each end & 1 at the center line (3 total).



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

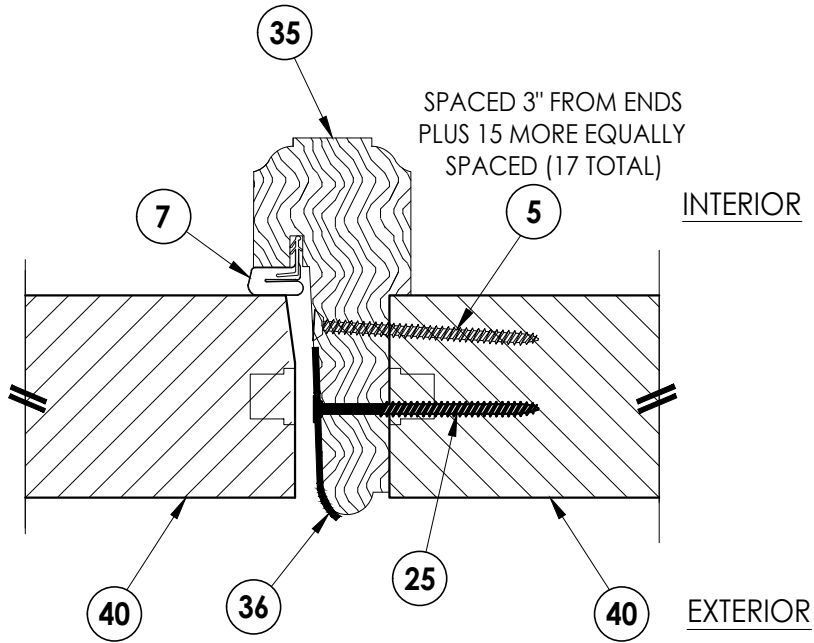
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

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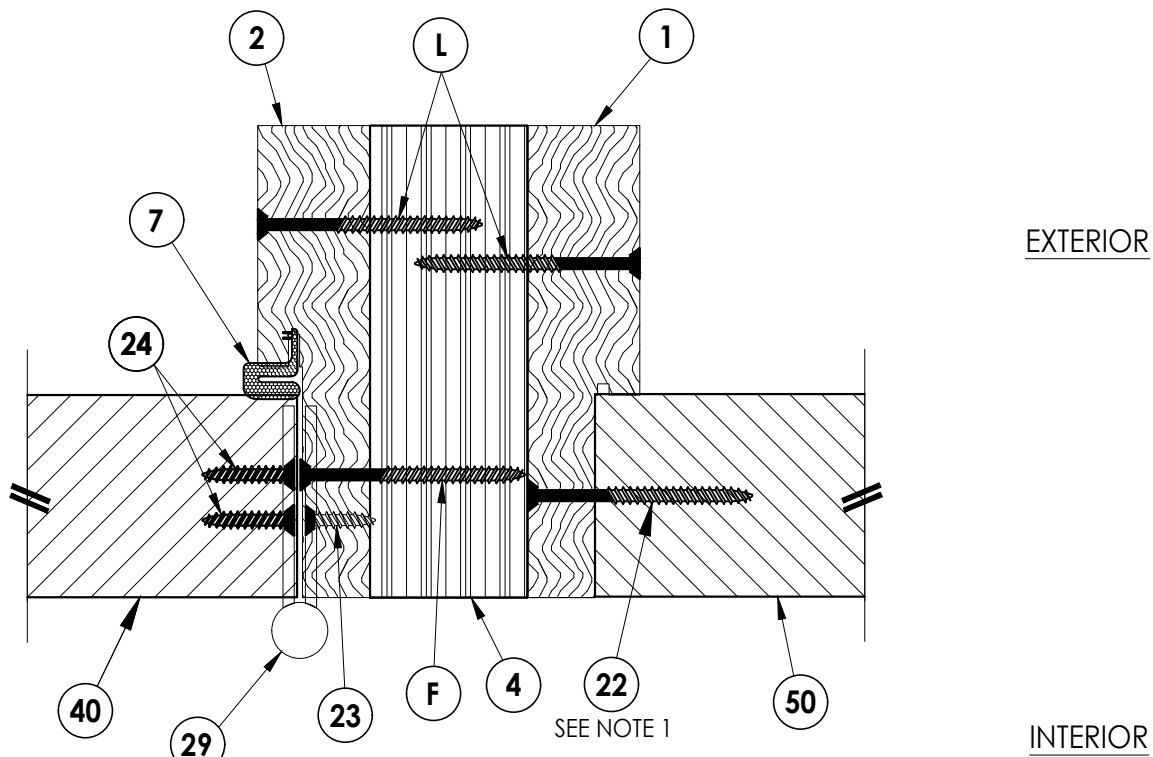
FL-21891.17

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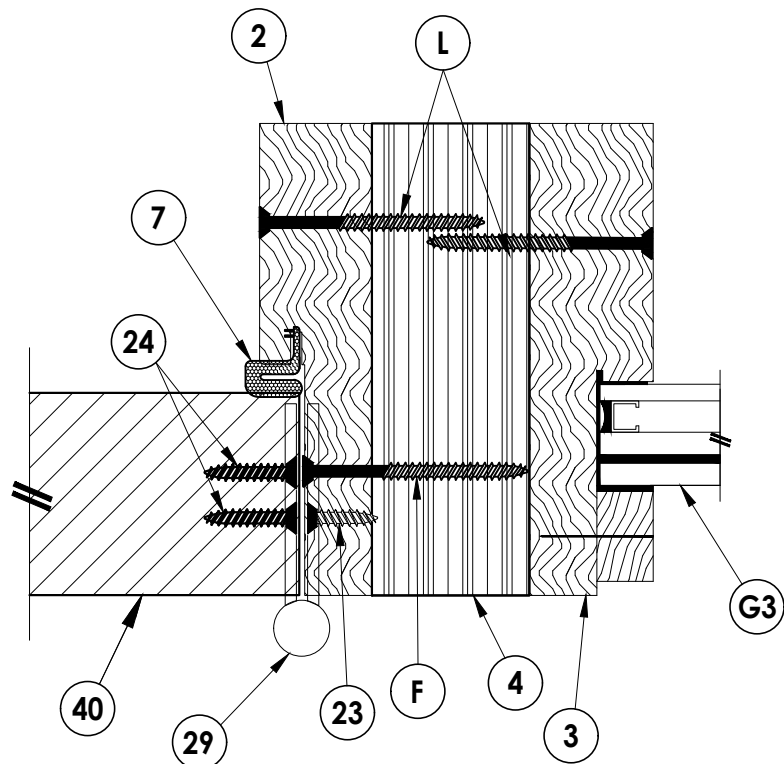
NOTES:
1. Item #22 located 4" from each end & 9 more equally spaced (11 total).



1
8 HORIZONTAL CROSS SECTION



2
8 HORIZONTAL CROSS SECTION
Inswing shown (Outswing similar)



3
8 HORIZONTAL CROSS SECTION
Inswing shown (Outswing similar)

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: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

DATE: 10/01/25

SCALE: N.T.S.

DWG. BY: LFS

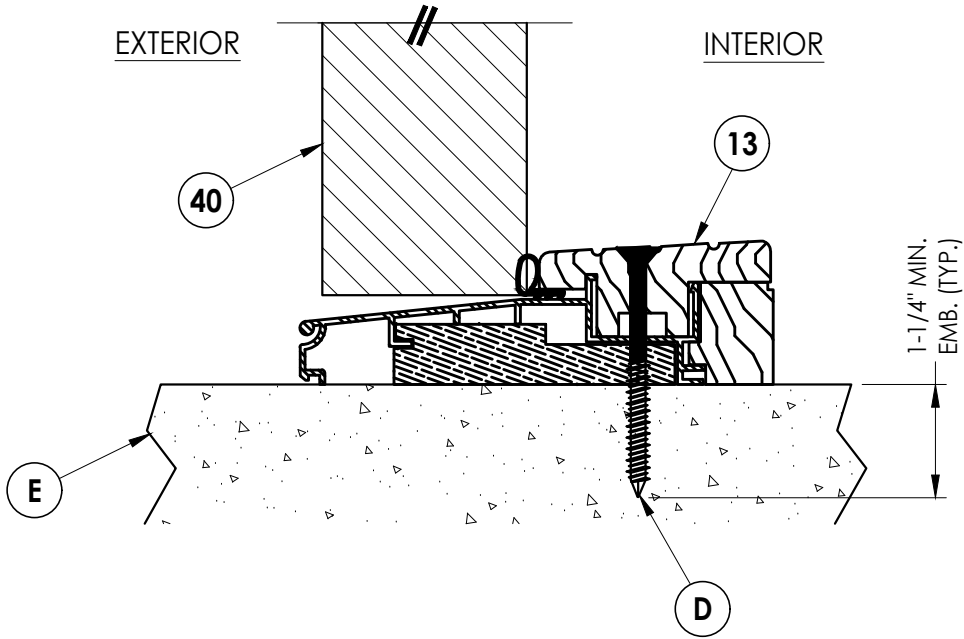
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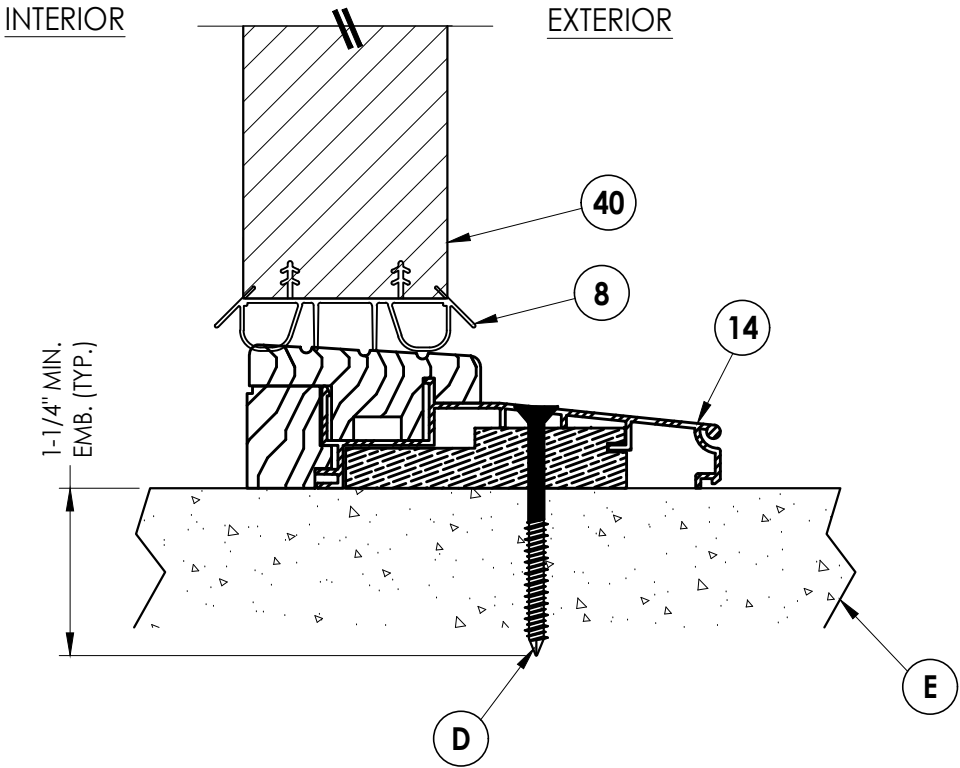
SHEET 8 OF 13

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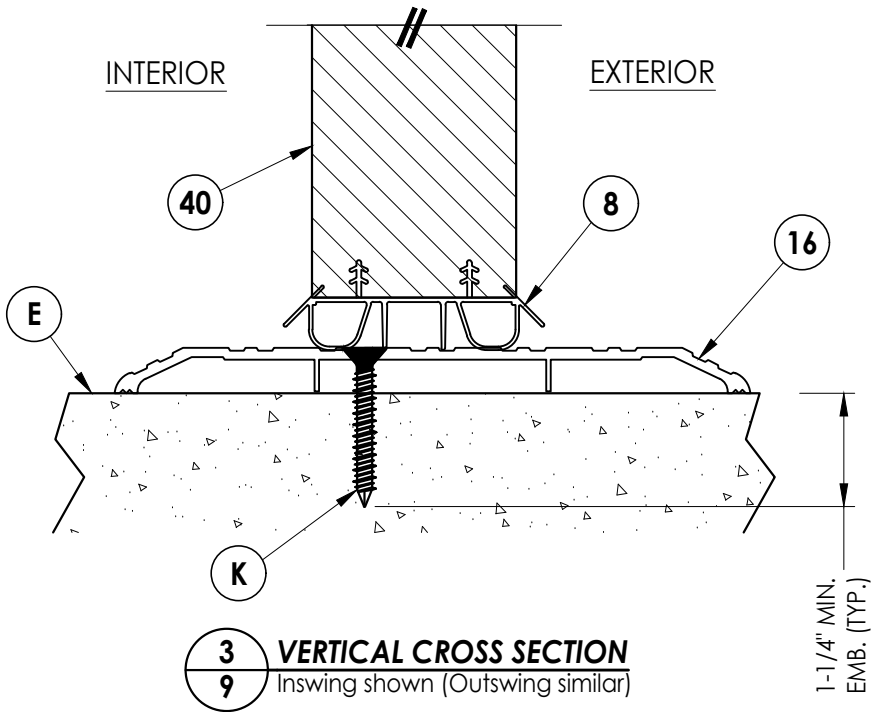
NOTES:
1. Item #22 located 4" from each end & 1 at the center line (3 total).



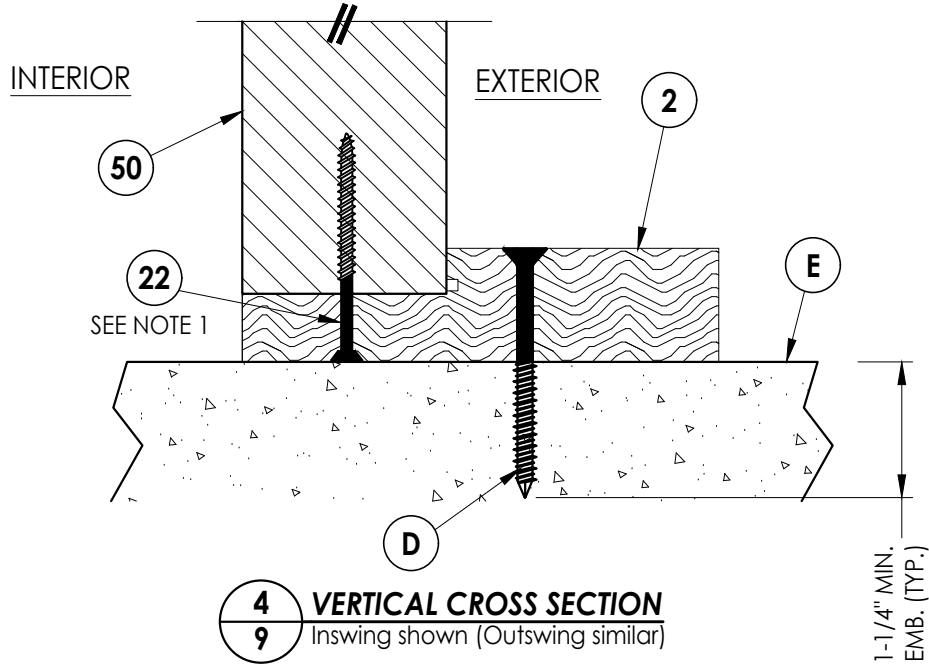
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9 **VERTICAL CROSS SECTION**
Outswing



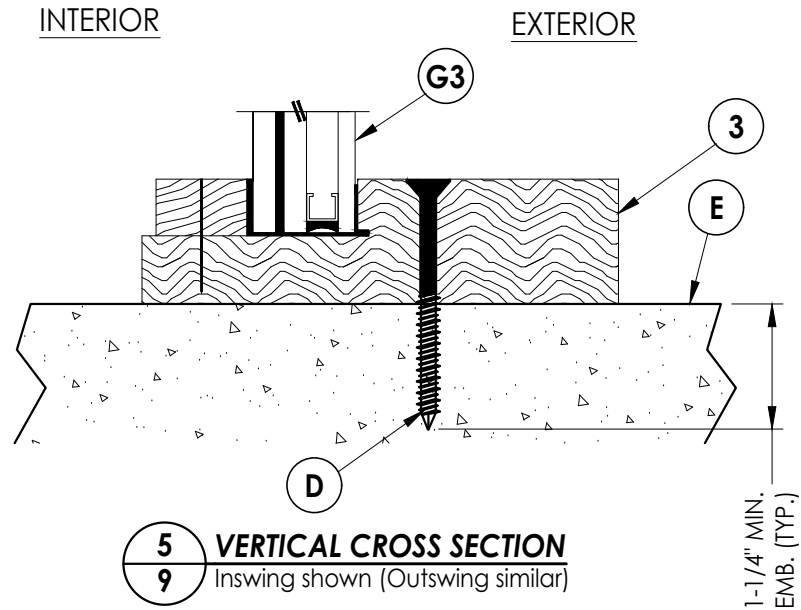
2
9 **VERTICAL CROSS SECTION**
Inswing



3
9 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



4
9 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



5
9 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)

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

PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLD)

NO.	DATE	BY	REVISIONS

DATE: 10/01/25

SCALE: N.T.S.

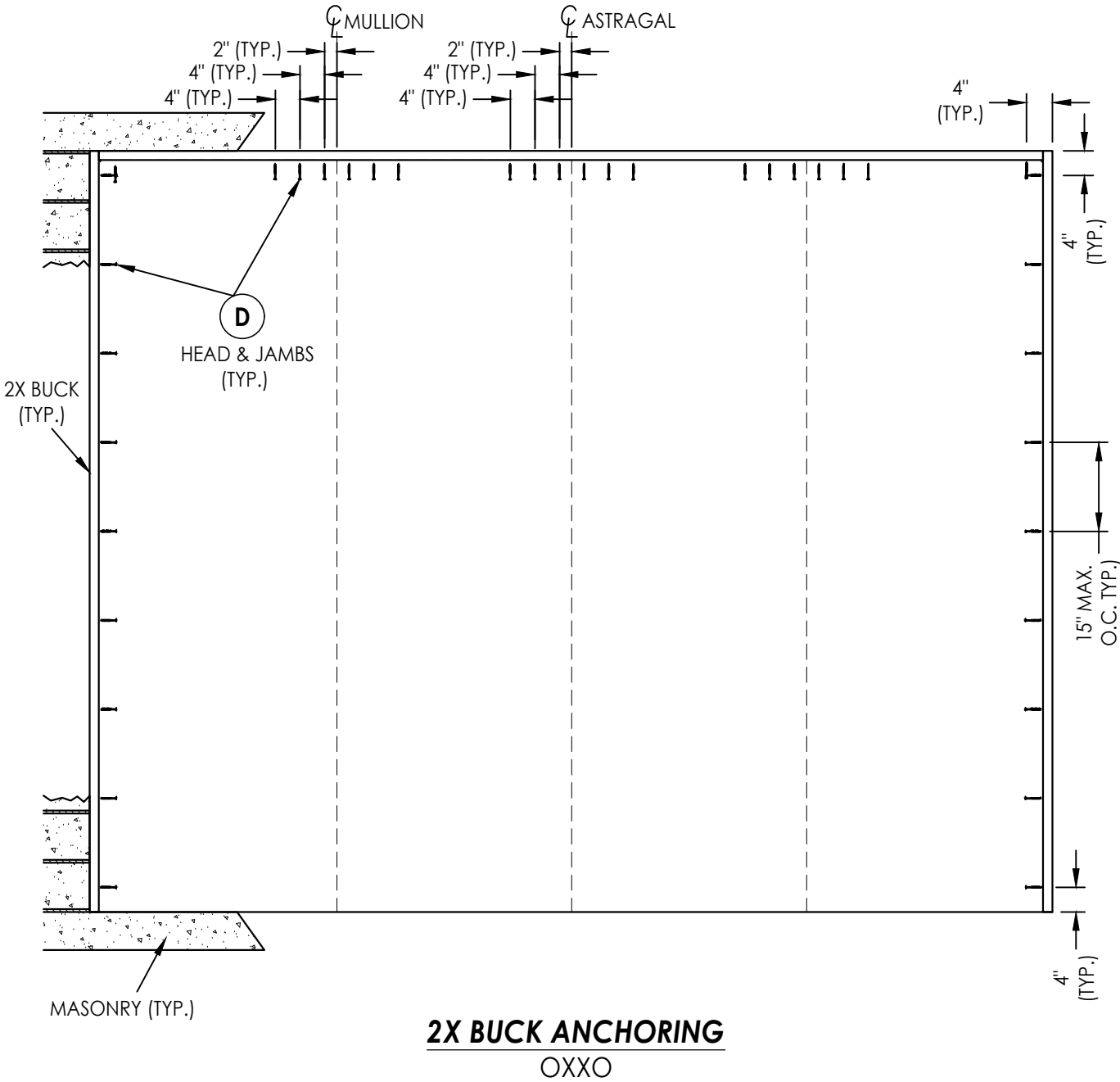
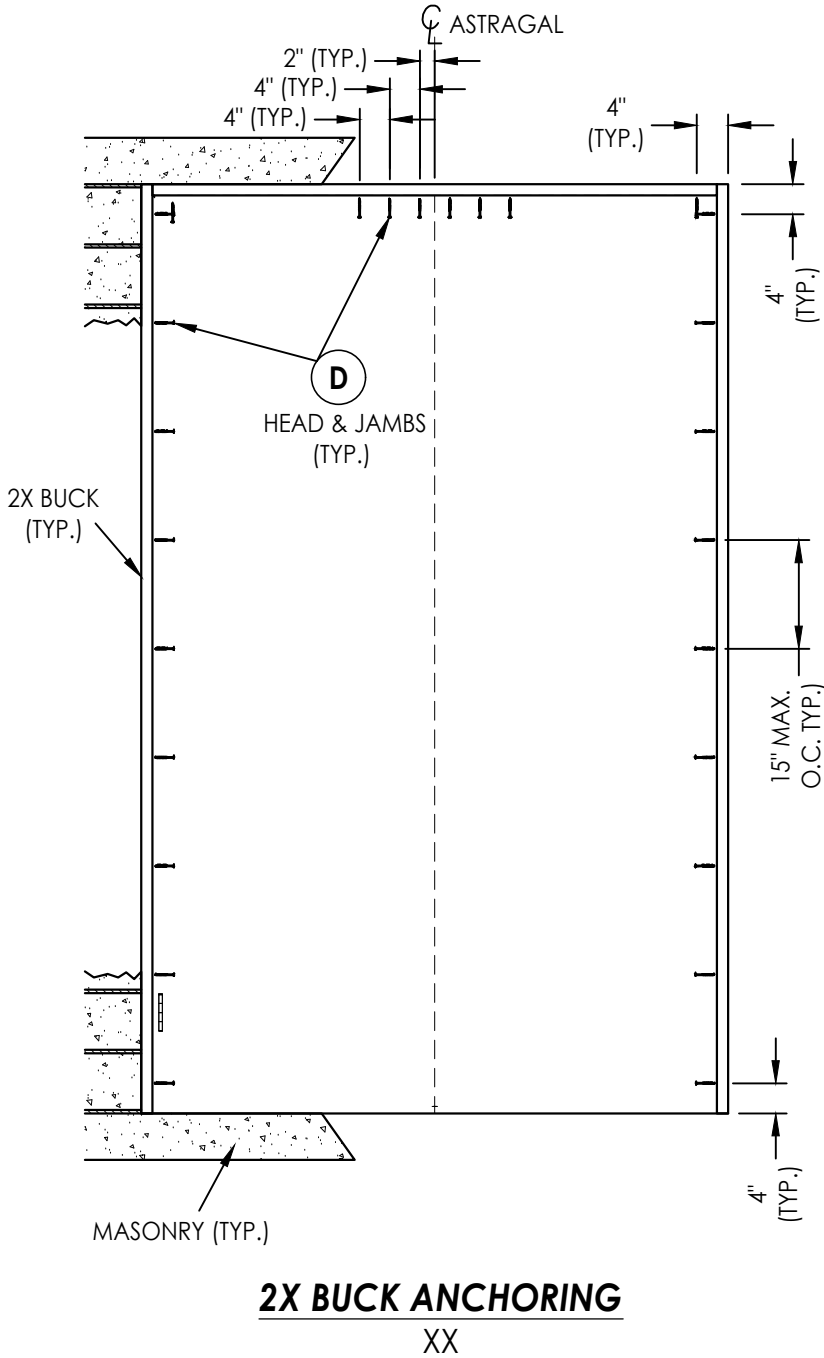
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-21891.17

SHEET 9 OF 13

Z:\2023 FBC Drawings\Millwork\360\FL-21891 R5\FL-21891.17-18.dwg



NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH
DEEP THREAD WOOD SCREWS.

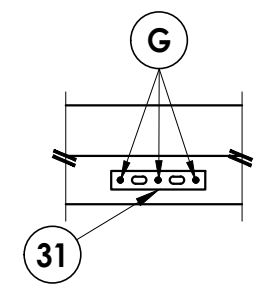
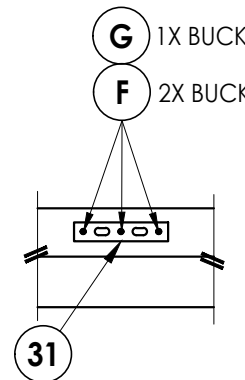
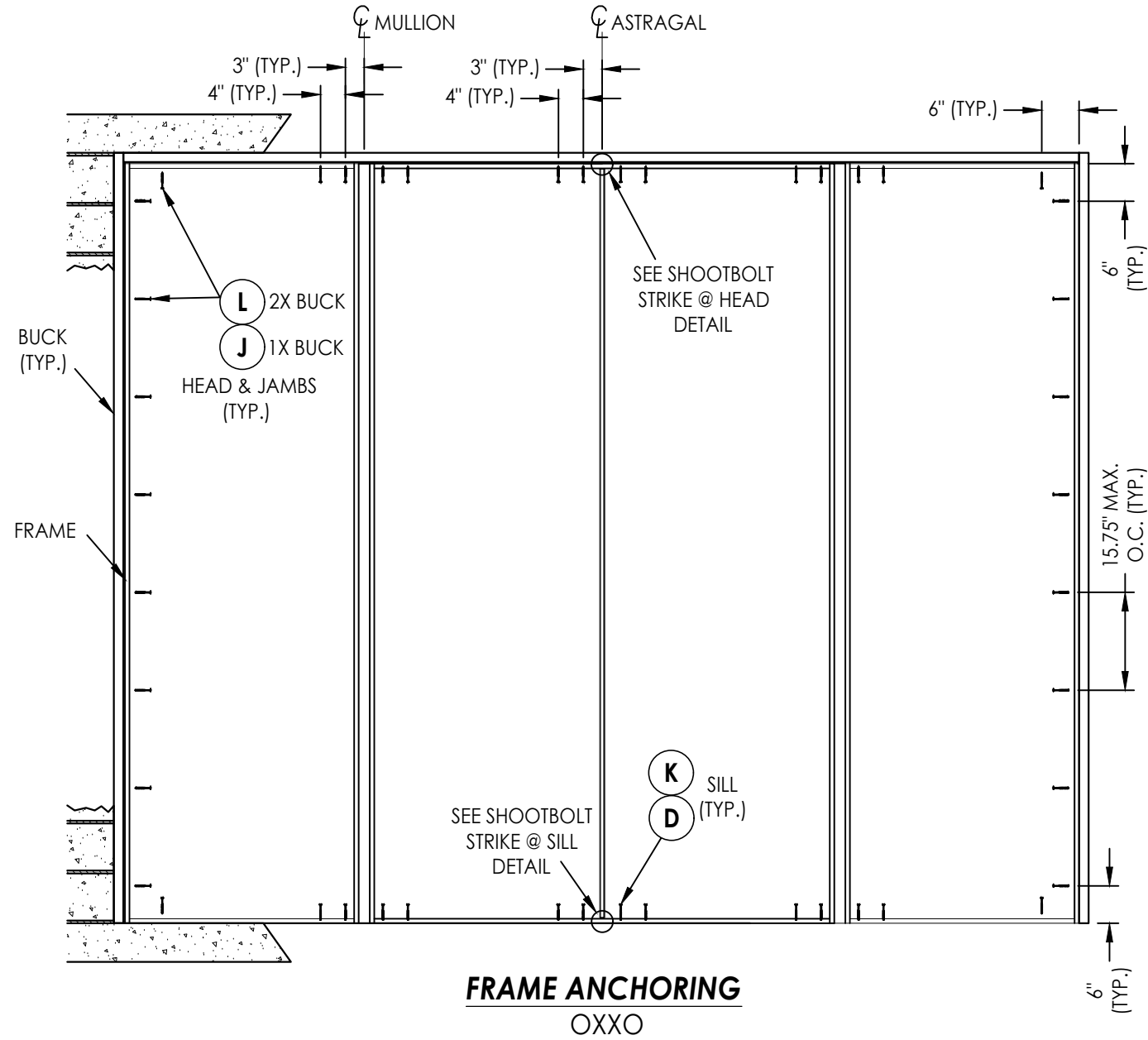
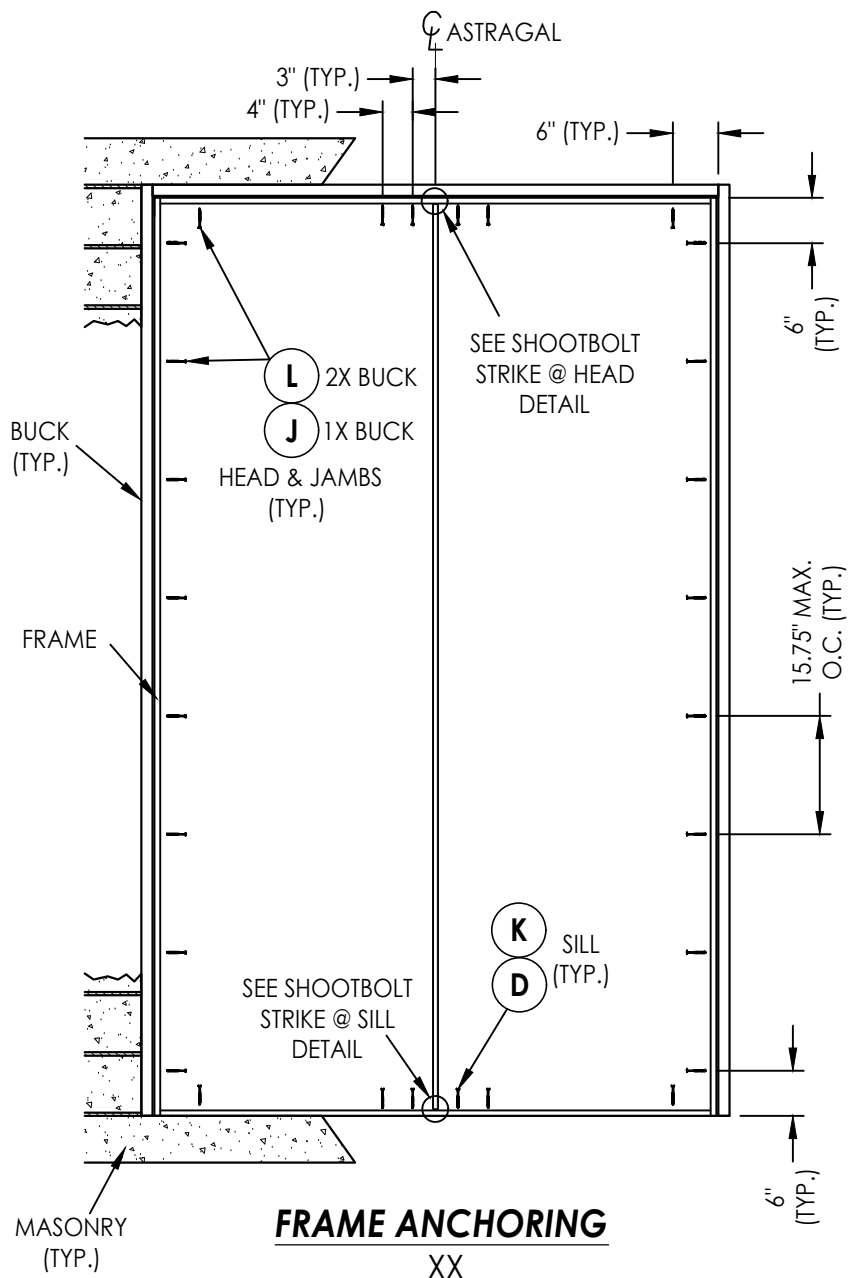
NO.	DATE	REVISIONS	BY

DATE: 10/01/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-21891.17
SHEET 10 OF 13

PRODUCT:	MILLWORK 360 WOOD DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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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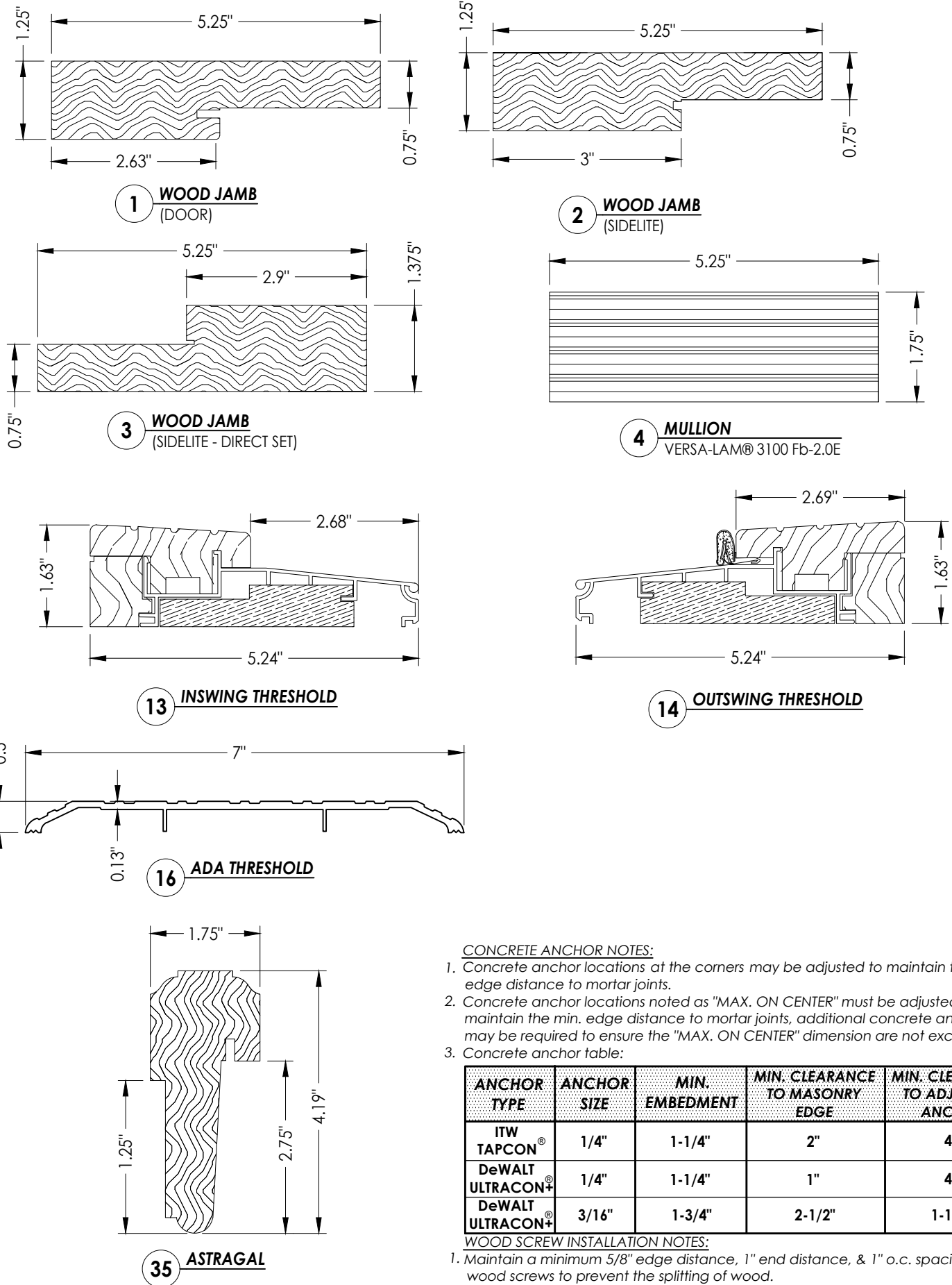
NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS.

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: MILLWORK 360 WOOD DOOR		PART OR ASSEMBLY: FRAME ANCHORING	
			BY
			REVISIONS
		NO.	DATE
DATE: 10/01/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-21891.17			
SHEET 11 OF 13			

Z:\2023 FBC Drawings\Millwork 360\FL-21891 R5\FL-21891.17-18.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 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	#12 X 2-1/2" PFH WOOD SCREW	STEEL
G	3/16" X 3-3/4" PFH DeWALT CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	JAMB (DOOR)	WOOD
2	JAMB (SIDELITE)	WOOD
3	JAMB (SIDELITE - DIRECT SET)	WOOD
4	MULLION	LVL
5	#9 X 2-1/2" PFH SMS	STEEL
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
16	ADA THRESHOLD	ALUM
22	#10 X 2" PFH WOOD SCREW	STEEL
23	#12 X 3/4" PFH WOOD SCREW	STEEL
24	#12 X 1-1/4" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
29	5" X 5" HINGE	STEEL
31	SHOOTBOLT STRIKE PLATE	STEEL
35	WOOD ASTRAGAL	WOOD
36	MULTIPOINT STRIKE PLATE	STEEL
37	MULTIPOINT ROUNDBOLT STRIKE DETAIL	STEEL
40	DOOR PANEL	WOOD
50	SIDELITE PANEL	WOOD
70	TRANSOM PANEL	WOOD

WOOD FRAME COMPONENTS: MAHOGANY (G = 0.55)



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 TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
DeWALT ULTRACON®	3/16"	1-3/4"	2-1/2"	1-1/8"

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.

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	
PRODUCT: MILLWORK 360 WOOD DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
			BY
			DATE
			NO.
			REVISIONS
DATE: 10/01/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-21891.17			
SHEET 13 OF 13			