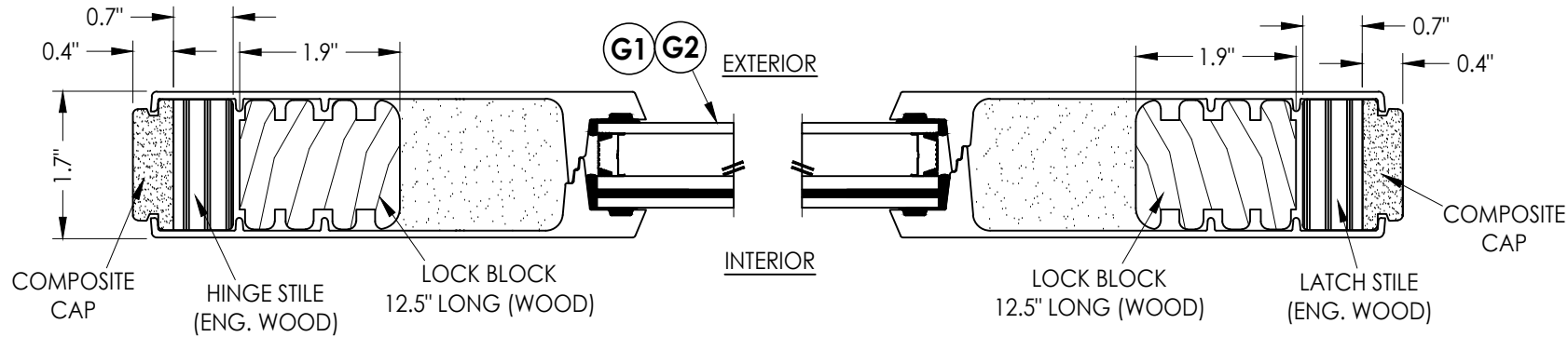
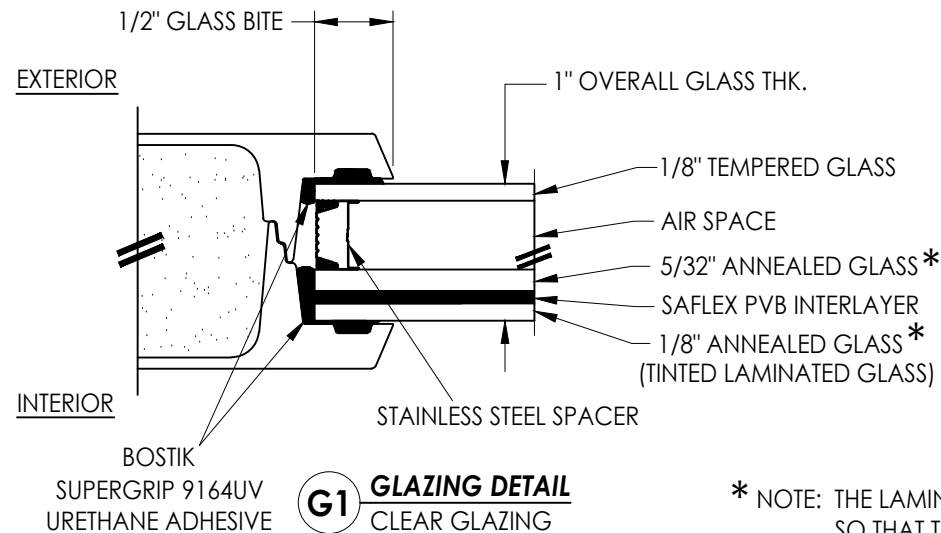


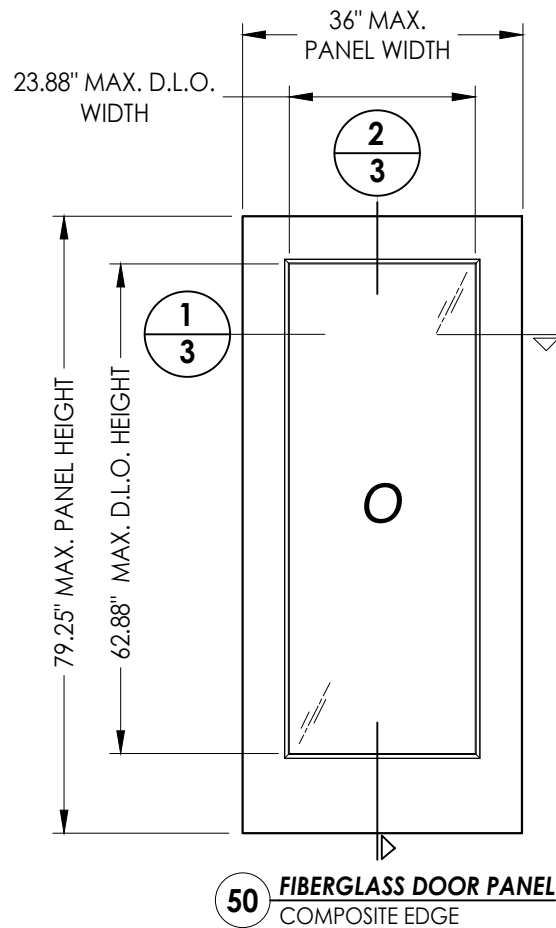
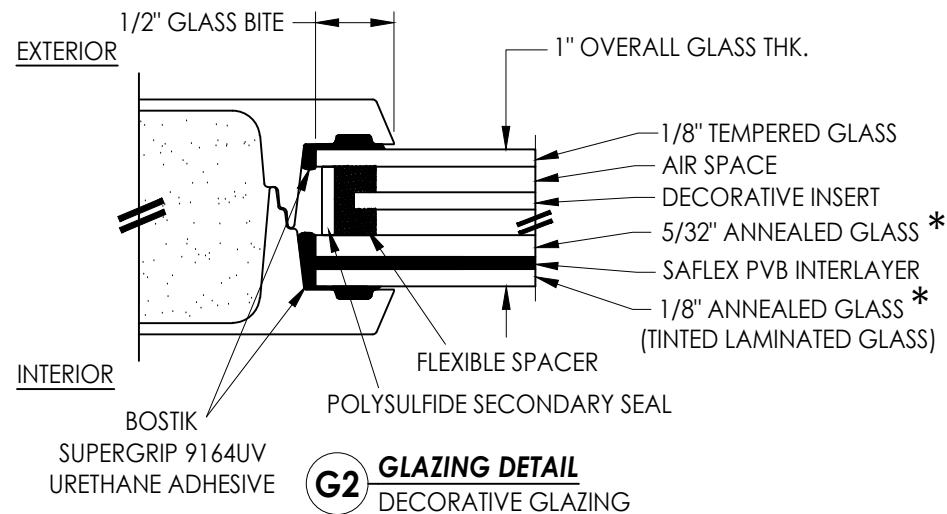
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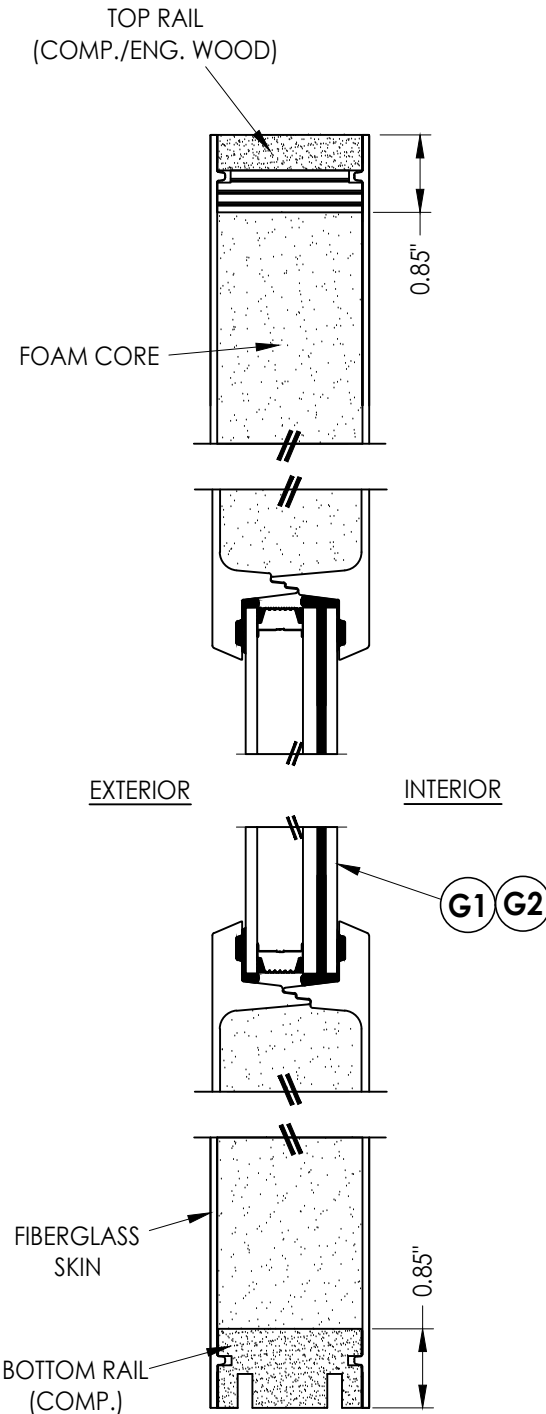
1
3 **HORIZONTAL CROSS SECTION**



* NOTE: THE LAMINATED GLASS MAY BE FLIPPED SO THAT THE 5/32" ANNEALED GLASS IS ADJACENT TO THE FLUSH GLAZING FRAME.



FIBERGLASS SKIN: 0.077" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



2
3 **VERTICAL CROSS SECTION**

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: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL
& GLAZING DETAILS

NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC

DATE: 6/17/24

SCALE: N.T.S.

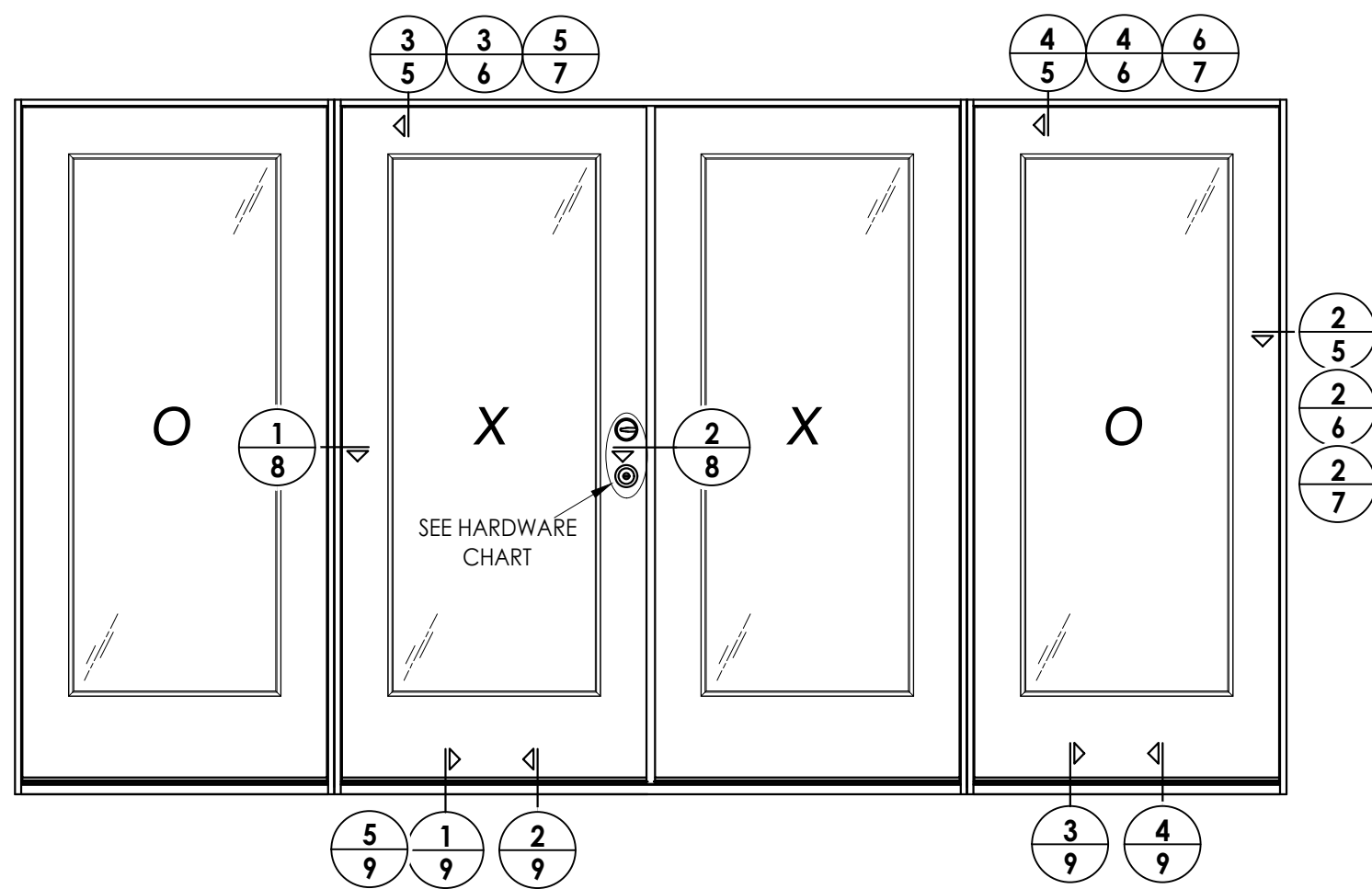
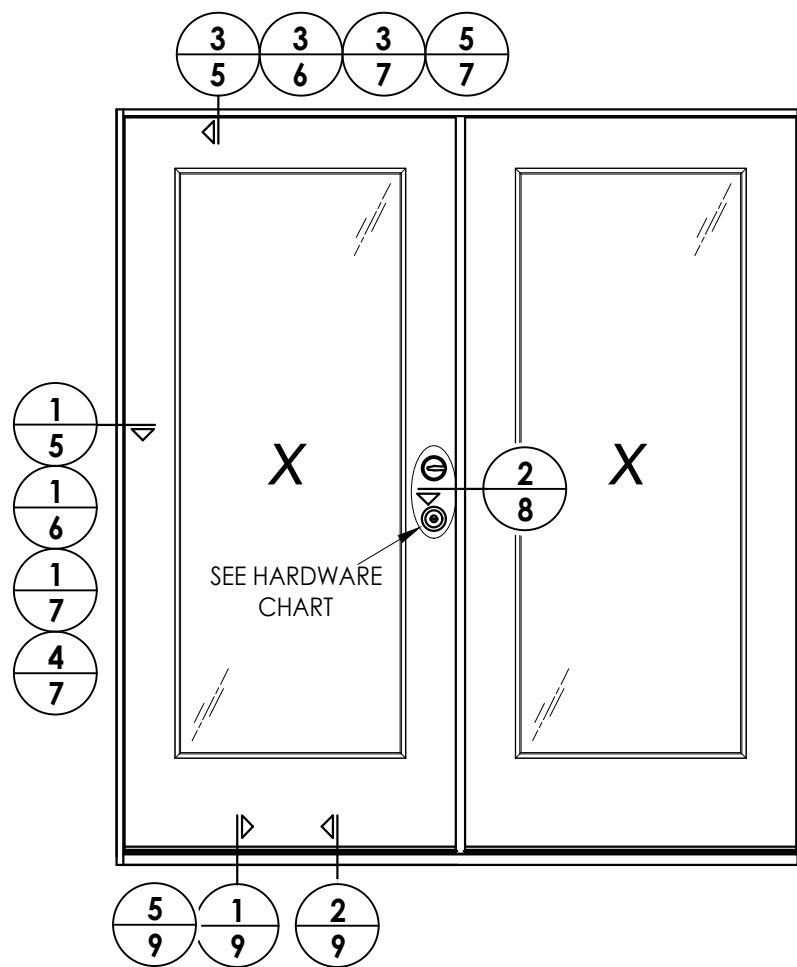
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46832.3

SHEET 3 OF 13



HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: F51 DEADBOLT: B60
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGSB (3 pt. Manual Shootbolt)

[illegible]

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

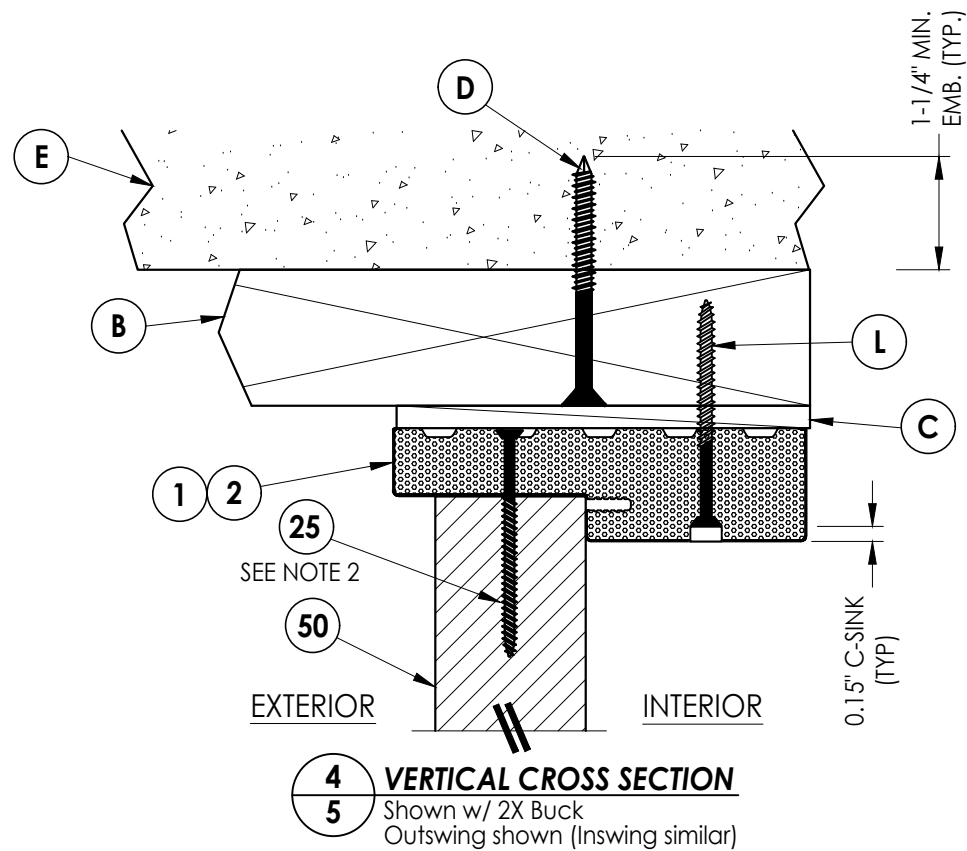
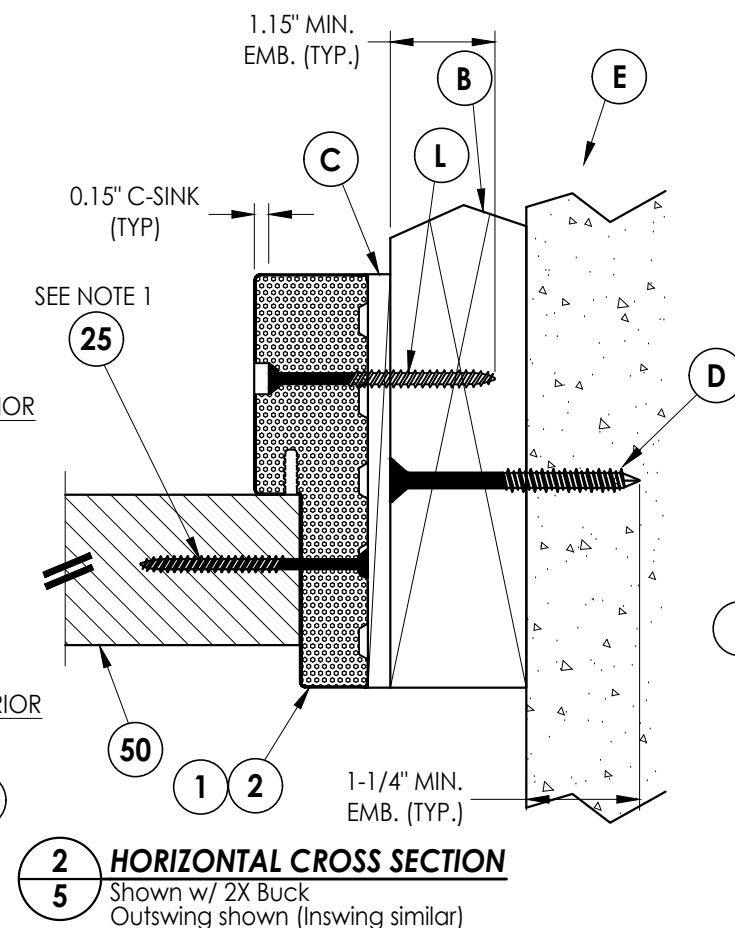
PART OR ASSEMBLY:

ELEVATIONS

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

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 333
Phone No.: 813.659.9197
FBPE Registry No. 9813

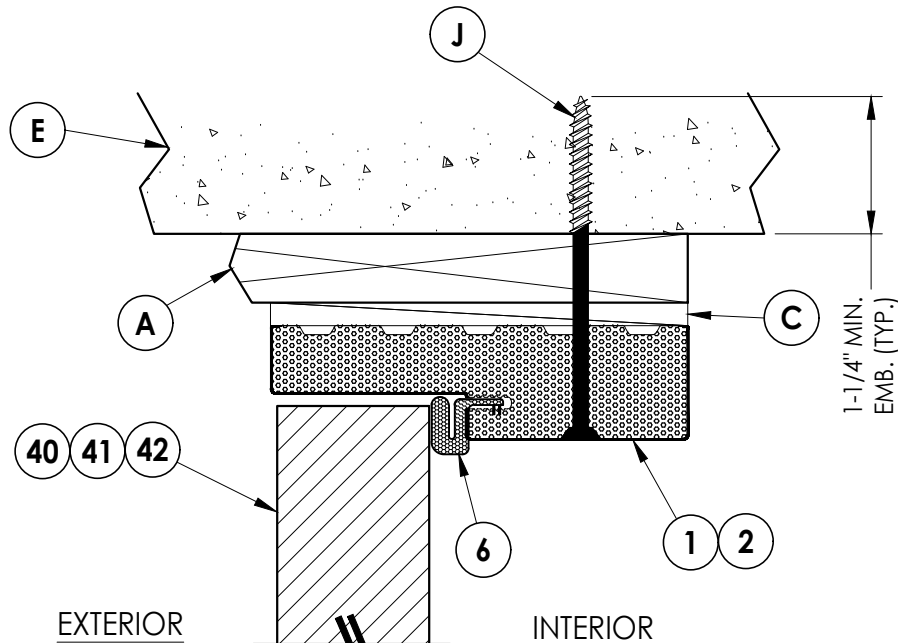
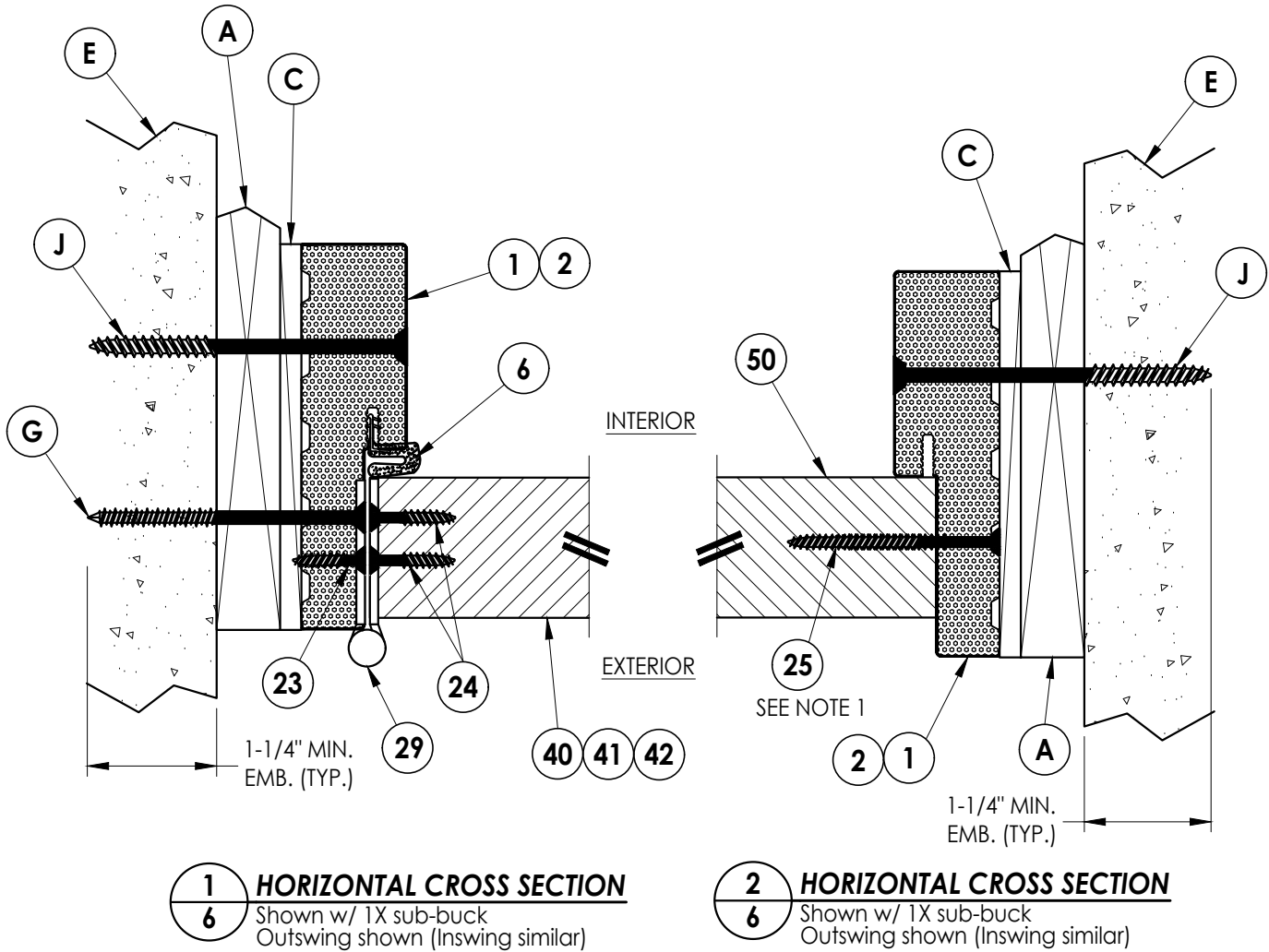
1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws total @ head).

[illegible]

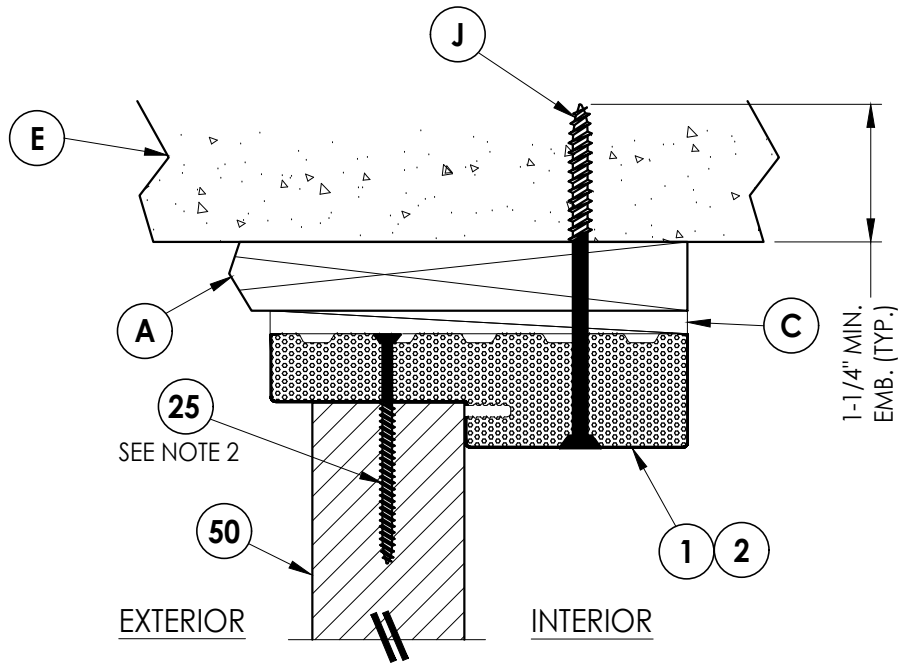
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

- Notes:
1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end & at centerline (3 screws total @ head).



3 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



4 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

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

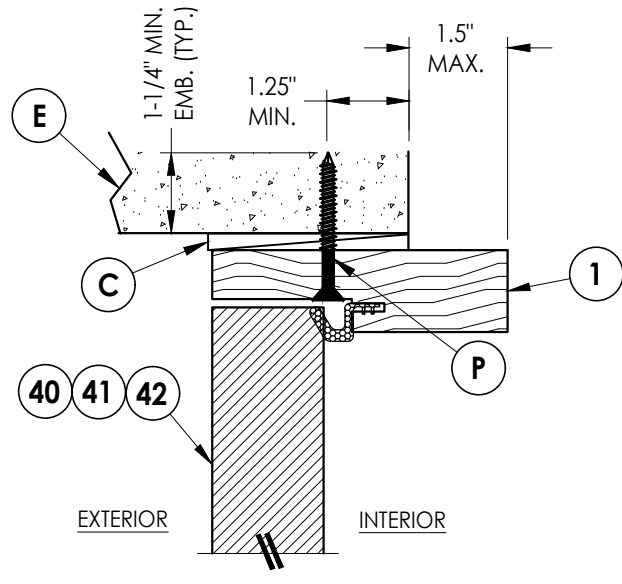
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

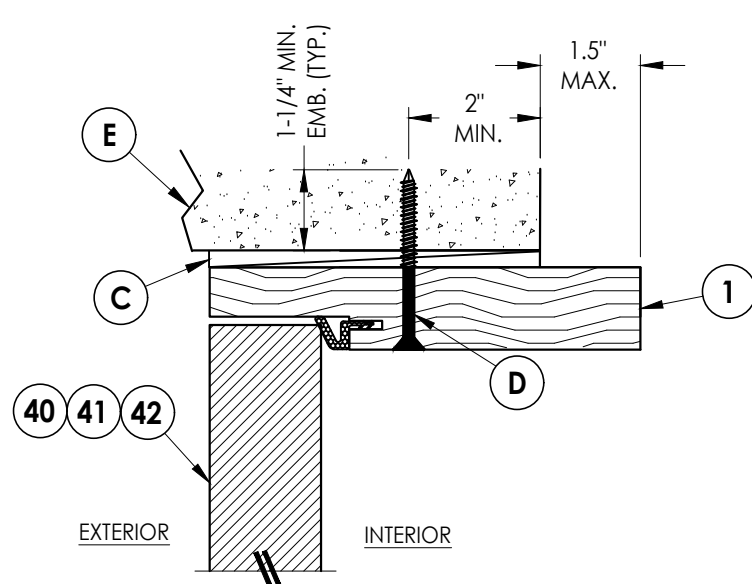
NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 6/17/24
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-46832.3
SHEET 6 OF 13

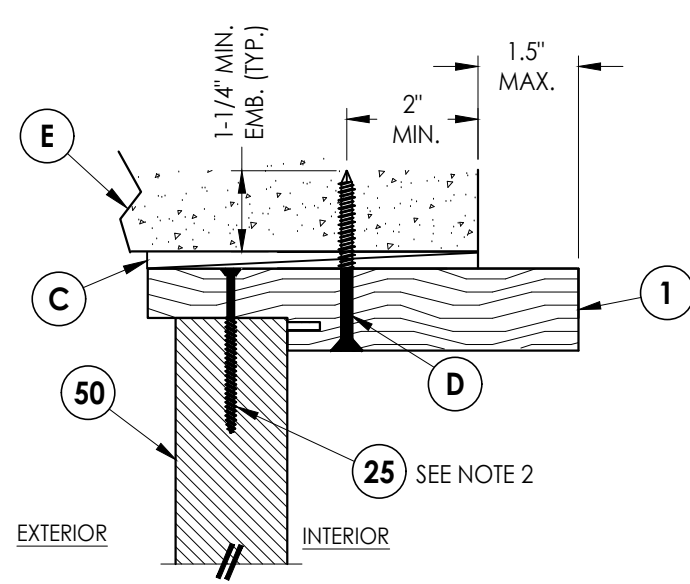
Z:\2023 FBC Drawings\Therma-Tru\FL-46832 R1\FL-46832.1-3.dwg



3/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



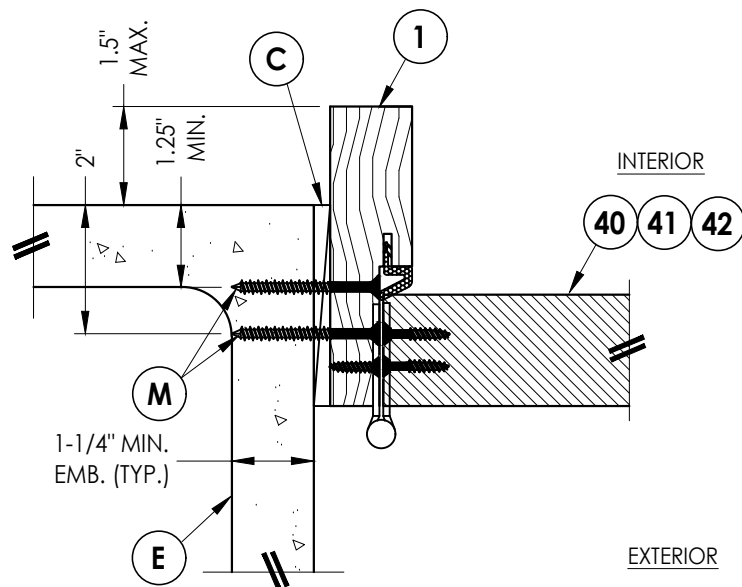
5/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



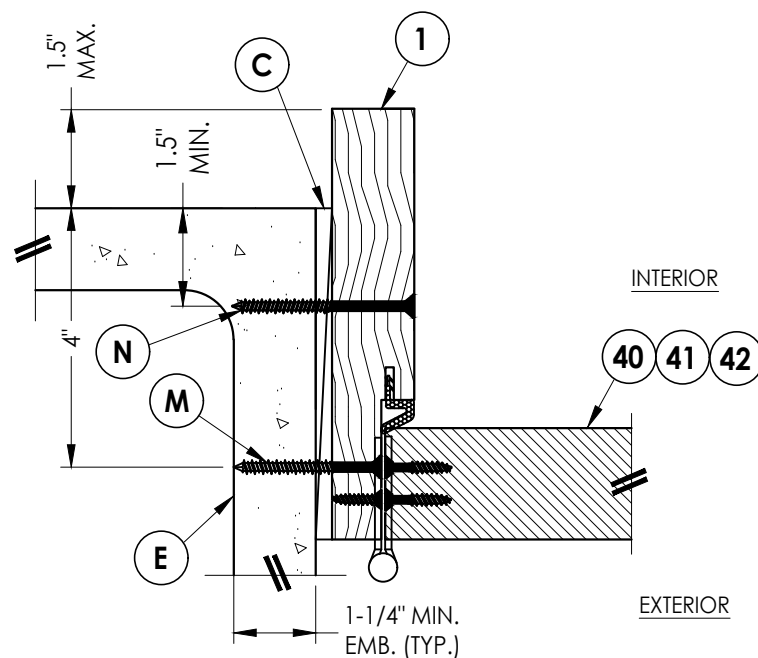
6/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Note:

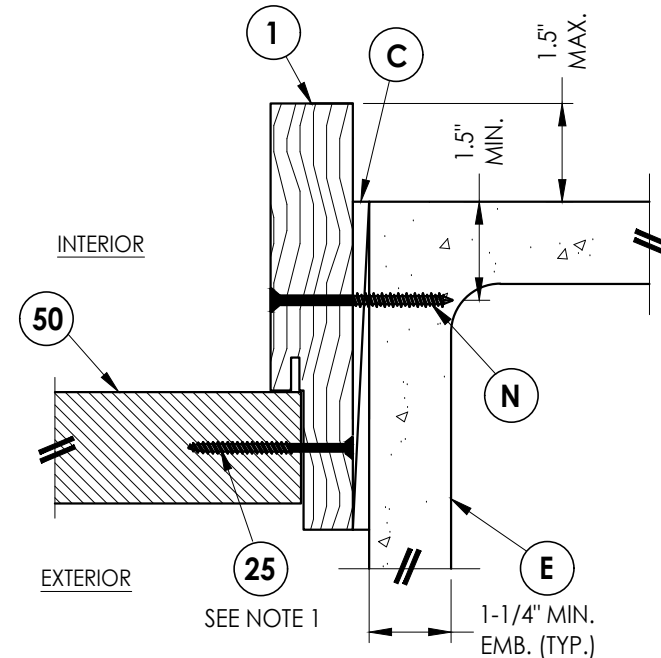
1. Sidelite assembly screws located 6" from each end plus 6 more equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws total @ head).



1/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



4/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



2/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	DESCRIPTION	BY	DATE
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC	LFS	

DATE: 6/17/24

SCALE: N.T.S.

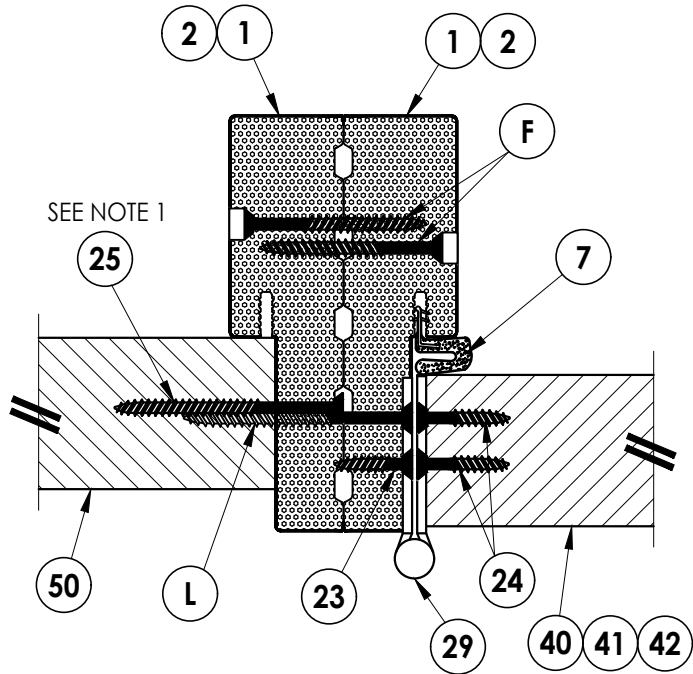
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-46832.3

SHEET 7 OF 13

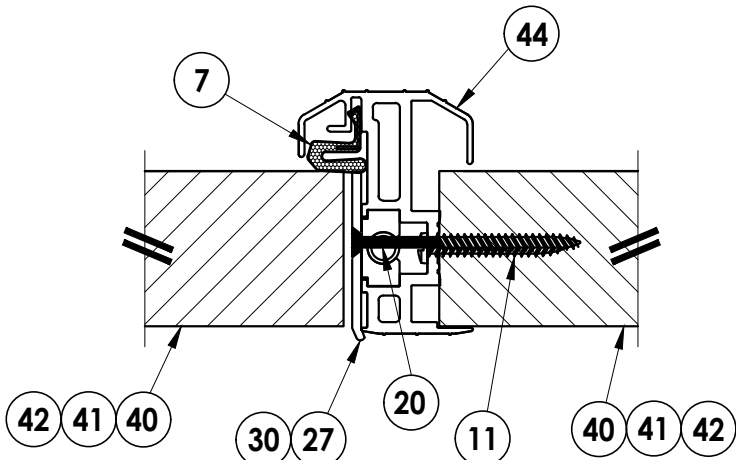
Notes:
1. Sidelite assembly screws located 6" from each end and 6 more screws
equally spaced between (8 screws total per side jamb).



1 **HORIZONTAL CROSS SECTION**
8 Outswing shown (Inswing similar)

INTERIOR

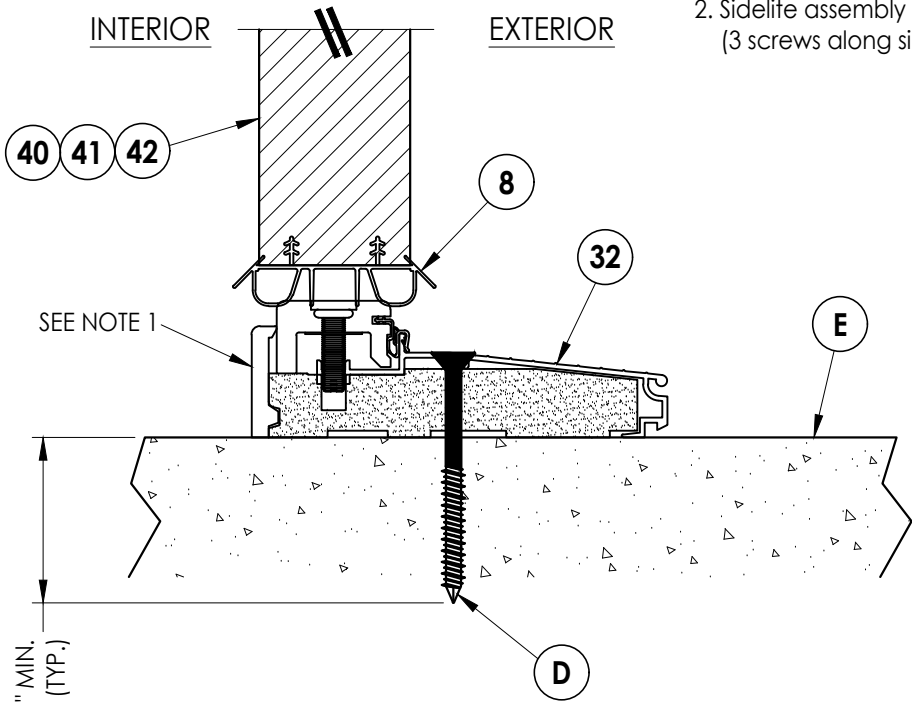
EXTERIOR



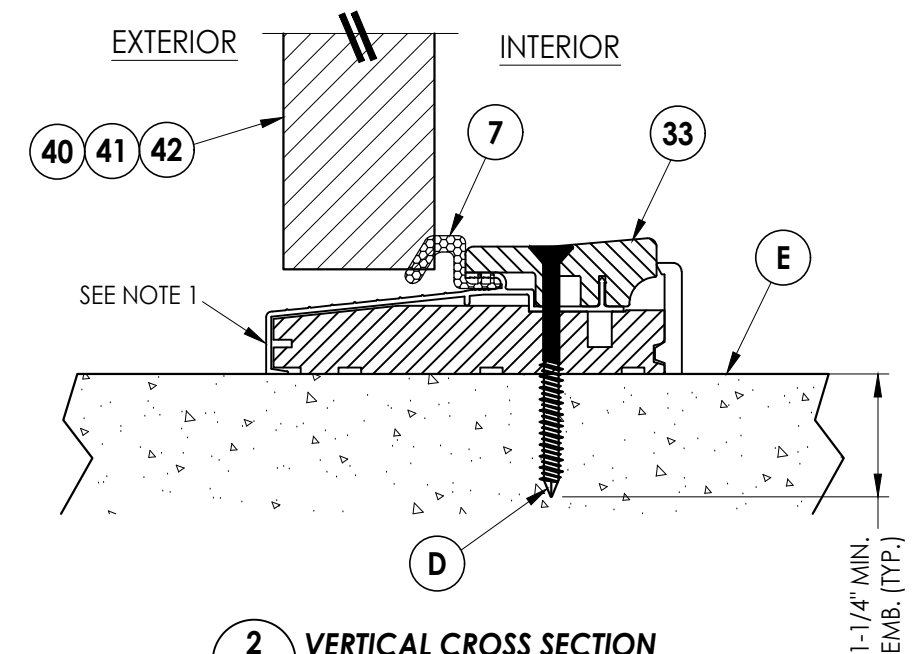
2 **HORIZONTAL CROSS SECTION**
8 Outswing shown (Inswing similar)

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: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS			
DATE: 6/17/24				REVISIONS			
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-46832.3							
SHEET 8 OF 13							

Z:\2023 FBC Drawings\Therma-Tru\FL-46832 R1\FL-46832.1-3.dwg



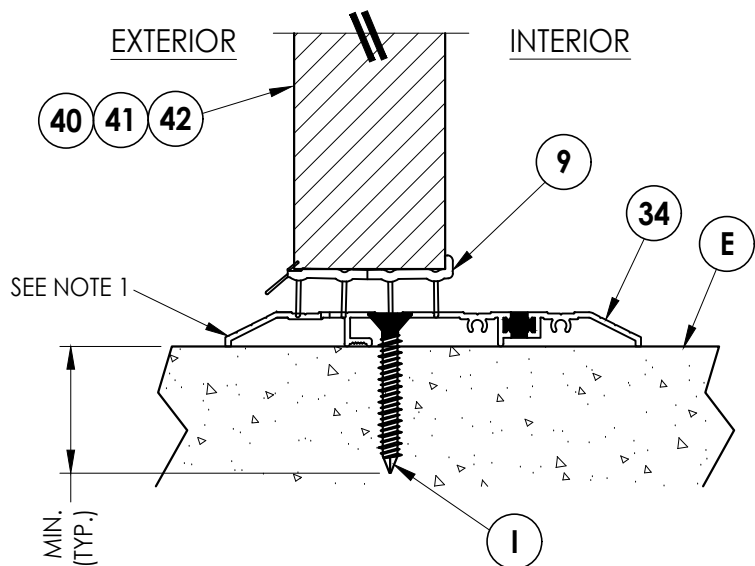
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9 **VERTICAL CROSS SECTION**
Inswing Sill



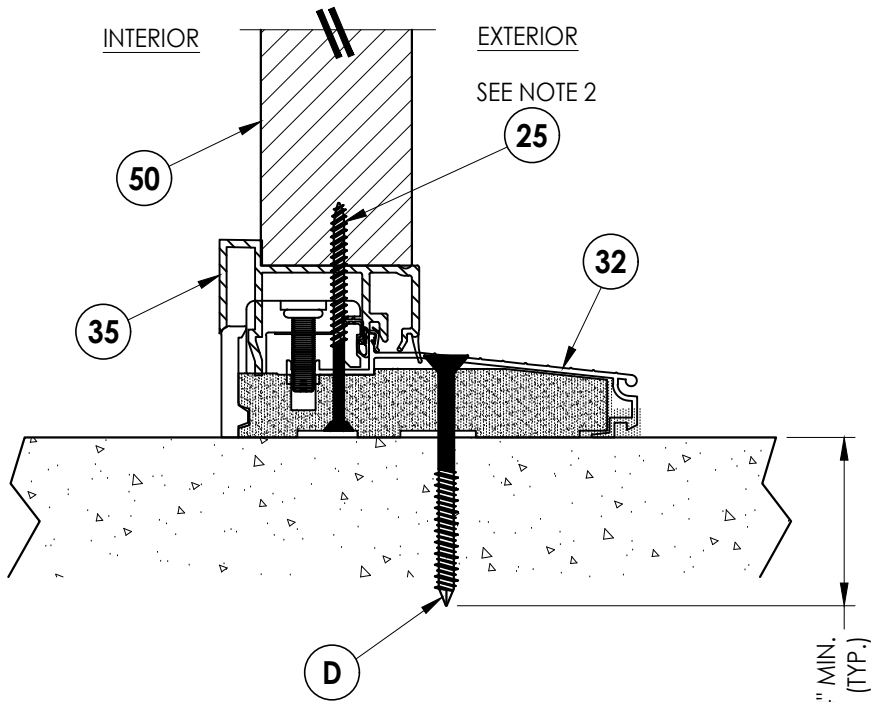
2
9 **VERTICAL CROSS SECTION**
Outswing Sill

Notes:

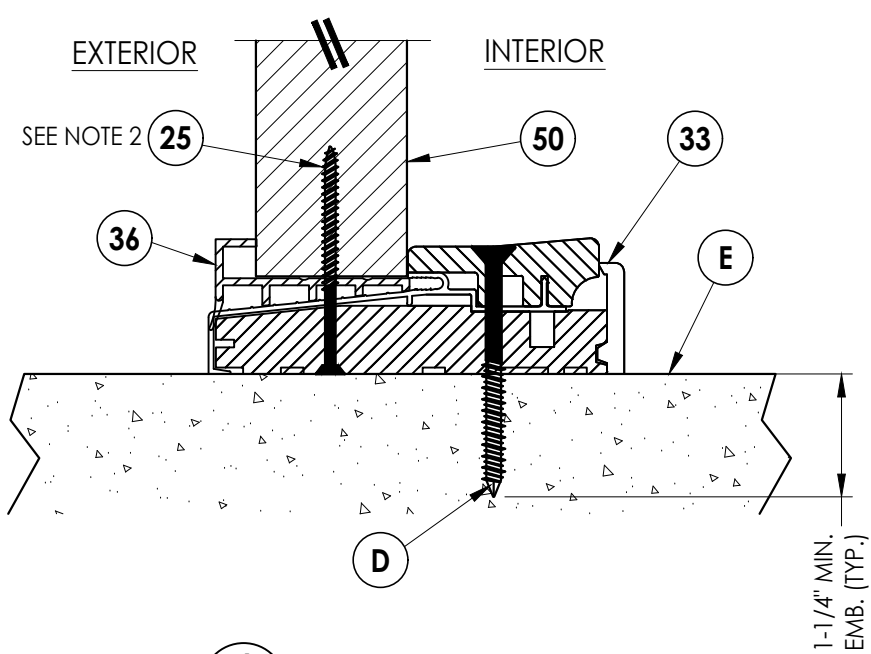
- Sill Item #32 is attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.
Sill Item #33 is attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
Sill Item #34 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.
- Sidelite assembly screws located 3" from each end and @ centerline (3 screws along sill).



5
9 **VERTICAL CROSS SECTION**
Public Access Sill



3
9 **VERTICAL CROSS SECTION**
Inswing Sill



4
9 **VERTICAL CROSS SECTION**
Outswing Sill

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:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 6/17/24

SCALE: N.T.S.

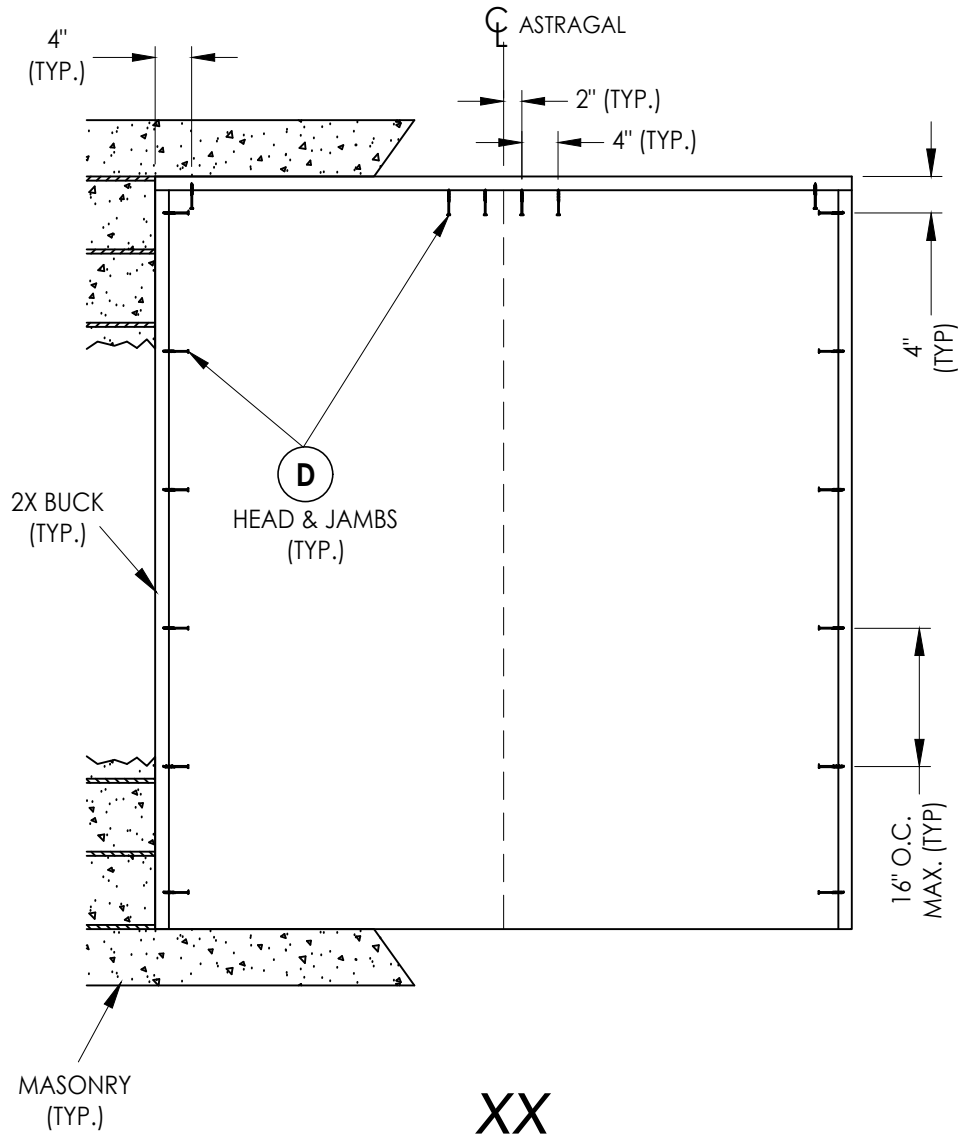
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

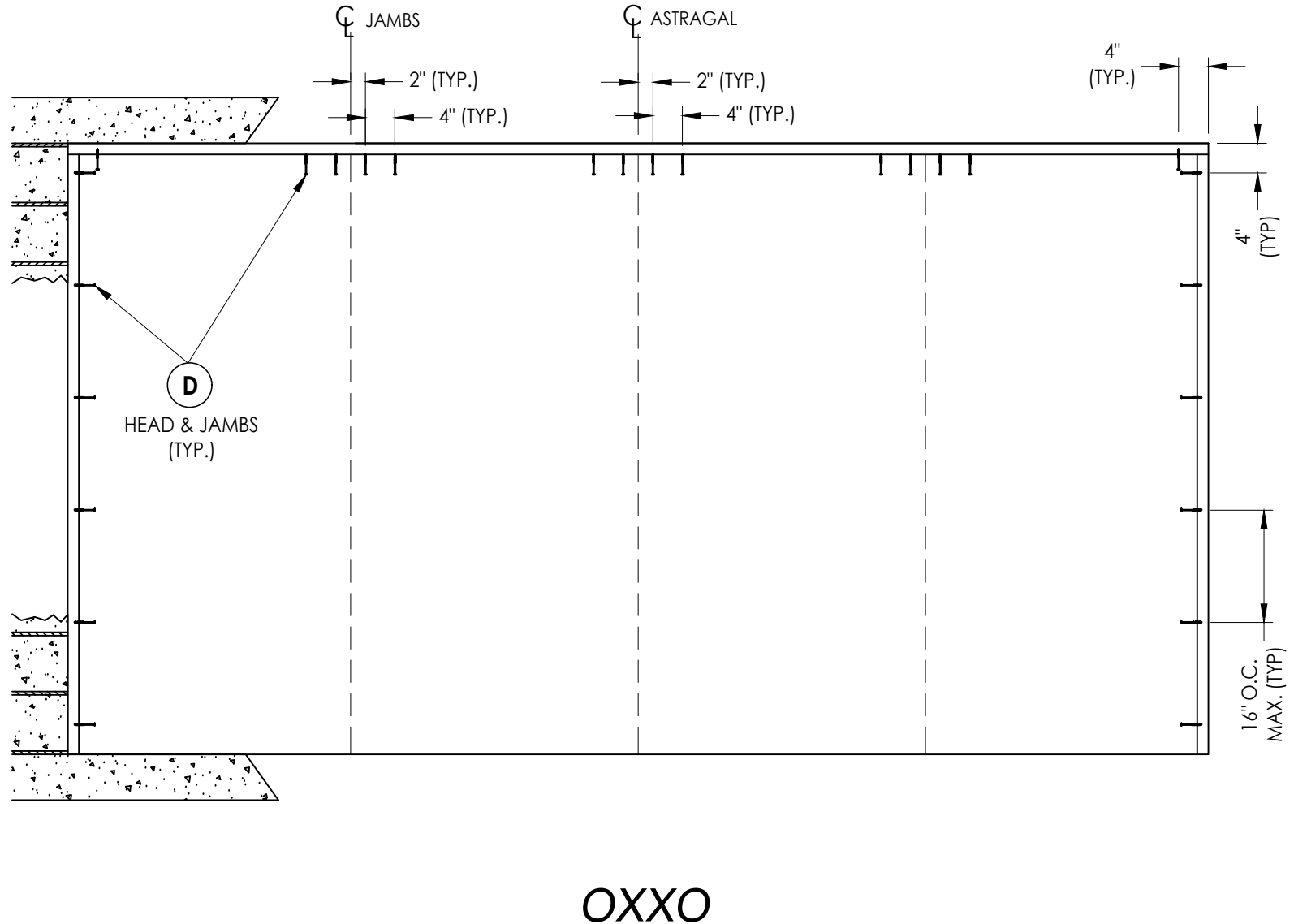
FL-46832.3

SHEET 9 of 13



XX

2X BUCK ANCHORING



OXXO

[illegible]

DATE: 6/17/24

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:

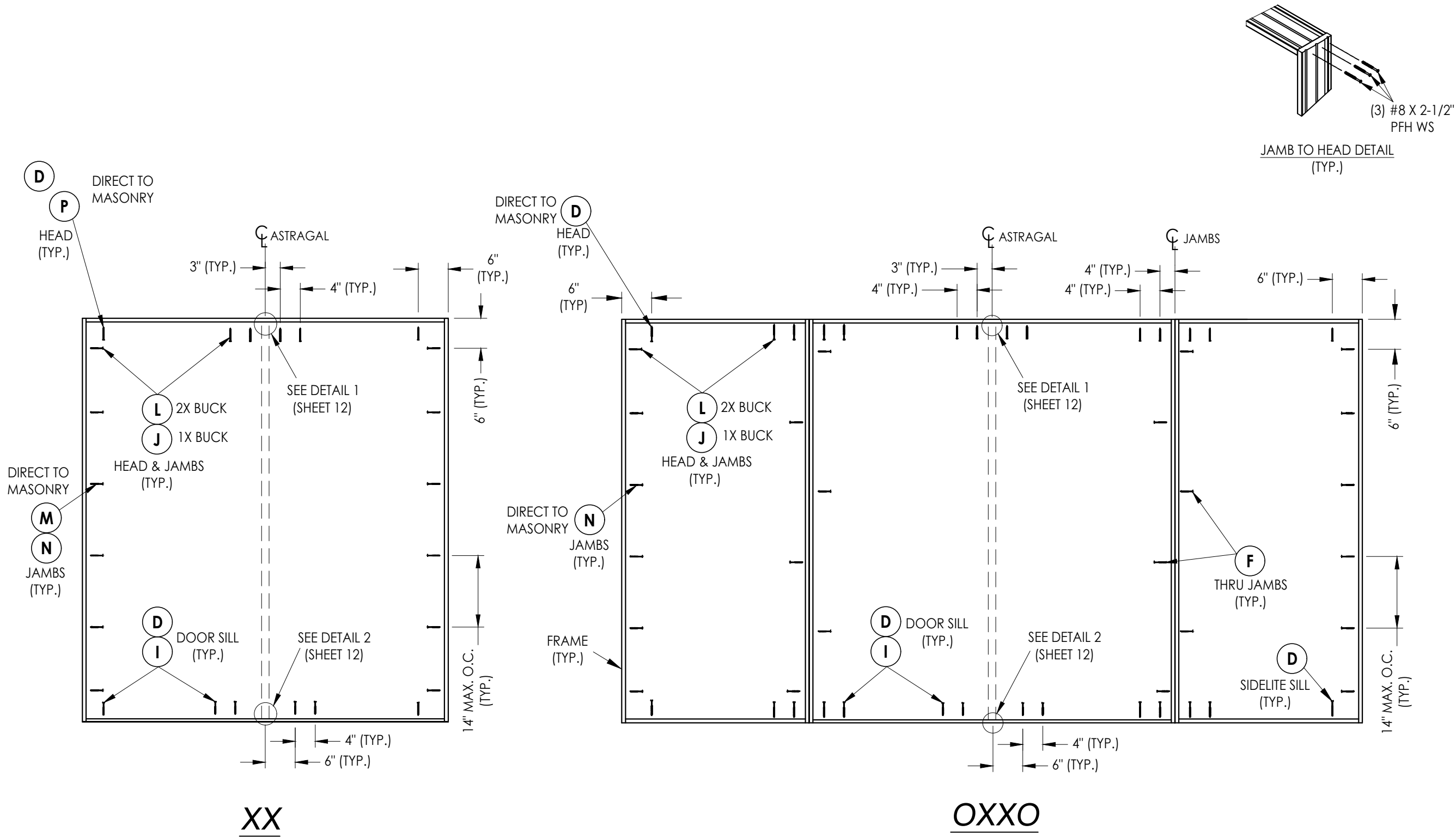
FL-46832.3

SHEET 10 OF 13

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

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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: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING					
				LFS	BY	REVISIONS	
				DATE			
				1	7/03/26	UPDATE TO 9TH ED. (2026)	FBC
				NO.	DATE		
DATE: 6/17/24							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-46832.3							
SHEET 11 OF 13							

SEE LATCH
& DEADBOLT
STRIKE PLATE
DETAIL

44.0" (± 1.5")

5.5"

Diagram illustrating a transformer configuration for a 2X BUCK. The transformer has four terminals labeled N, G, L, and 80. The connections are as follows:

- N**: DIRECT TO MASONRY
- G**: 1X BUCK
- L**: 2X BUCK
- 80**: 80V

The diagram shows a transformer with two primary windings (top and bottom) and two secondary windings (left and right). The terminals are connected to the windings as follows:

- N** is connected to the top primary winding.
- G** is connected to the bottom primary winding.
- L** is connected to the left secondary winding.
- 80** is connected to the right secondary winding.

N DIRECT TO MASONRY
G 1X BUCK
L 2X BUCK

DETAIL 2
Location

DETAIL 2
Outswing
Multipoint Lock Strike Plate @ Sill

Diagram illustrating the components and installation of a wall anchor assembly:

- 29**: Points to the anchor head.
- 24**: Points to the anchor body.
- 23**: Points to the anchor body.
- 24**: Points to the anchor body.
- M**: DIRECT TO MASONRY
- G**: 1X BUCK
- L**: 2X BUCK

Diagram illustrating the installation of a wall anchor assembly. The assembly consists of a bracket (24), an anchor (29), and a nut (23). The bracket is shown attached to a wall, with the anchor passing through it. The nut is shown being tightened against the anchor. The diagram also shows the placement of the assembly relative to the wall structure, with labels indicating the type of wall (MASONRY) and the type of anchor (DIRECT TO MASONRY, 1X BUCK, 2X BUCK).

DETAIL 2
Inswing

80

Coastal Astragal Strike Plate @ Sill

DETAIL 2
Outswing

G

1/2" HOLE

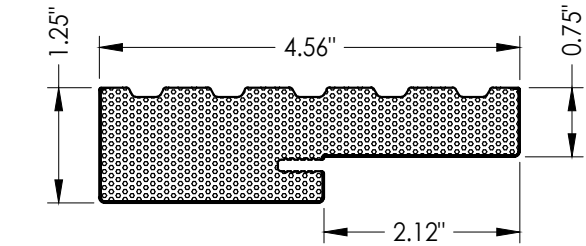
Astragal Bolt Hole @ Sill

MULTIPOINT LOCK STRIKE DETAILS

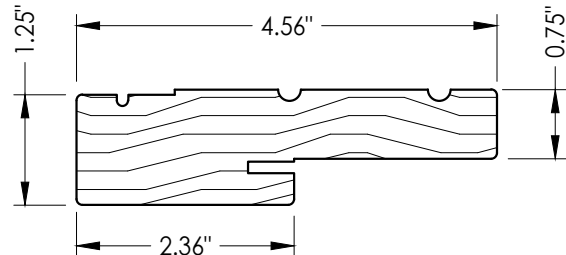
© 2024 RW BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Therma-Tru\FL-46832 R1\FL-46832.1-3.dwg

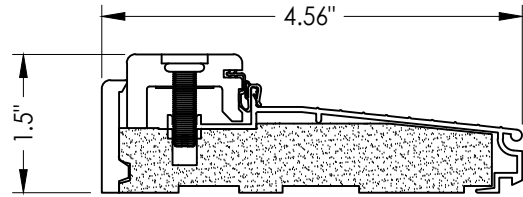
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
P	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL
Q	#10 X 3" PFH WOOD SCREW (1.75" MIN. EMBEDMENT)	STEEL
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	WOOD JAMB (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
11	#10 X 1-1/2" PPH WOOD SCREW	STEEL
20	#8 X 2-1/2" PFH WOOD SCREW	ALUM
22	#8 X 3/4" PFH WOOD SCREW	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
24	#9 X 1" PFH WOOD SCREW	STEEL
25	#9 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	MULTIPOINT LATCH & DEADBOLT STRIKE PLATE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	OUTSWING THRESHOLD	ALUM/COMP
34	PUBLIC ACCESS THRESHOLD	ALUM
35	SIDELITE ADAPTER (INSWING)	VINYL
36	SIDELITE ADAPTER (OUTSWING)	VINYL
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
44	COASTAL ALUMINUM ASTRAGAL	ALUM
50	SIDELITE PANEL	-
78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL



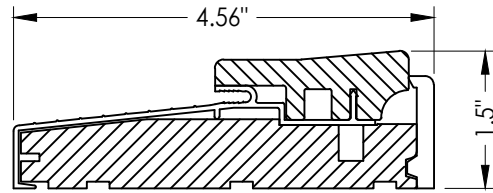
1 COMPOSITE JAMB



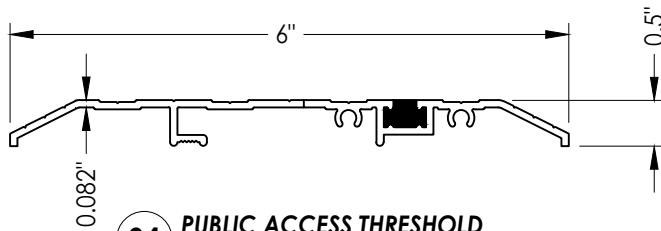
2 WOOD JAMB



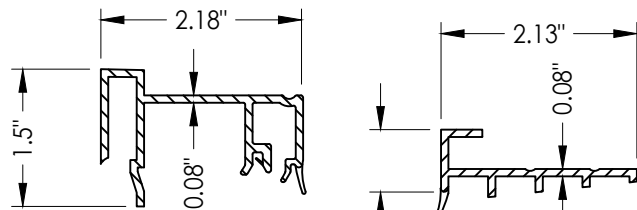
32 INSWING THRESHOLD
Adjustable Composite Sill



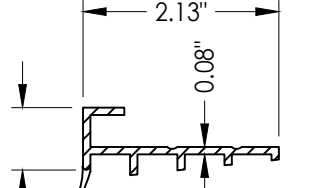
33 OUTSWING THRESHOLD
Composite Sill



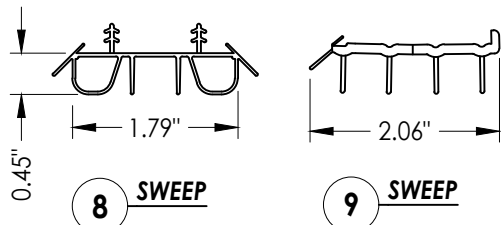
34 PUBLIC ACCESS THRESHOLD



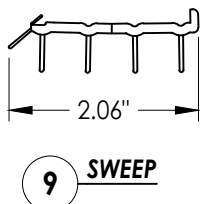
35 SIDELITE SPACER
Inswing



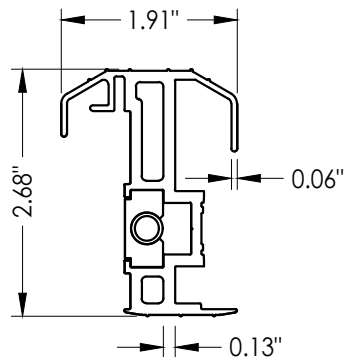
36 SIDELITE SPACER
Outswing



8 SWEEP



9 SWEEP



44 COASTAL ASTRAGAL

CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

- 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"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"

- 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:
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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:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46832.3

SHEET 13 OF 13