

THERMA-TRU[®]
DOORS

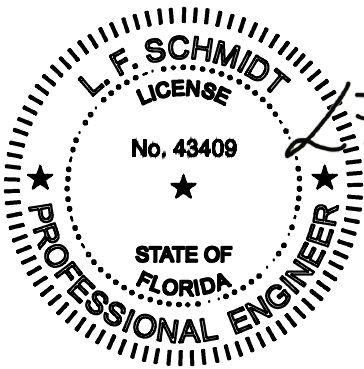
Fiber-Classic[®] & Smooth-Star[®]

COMPOSITE EDGE
FLUSH GLAZED FIBERGLASS
DOUBLE DOOR w/ or w/out SIDELITES
INSWING/OUTSWING
"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 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.
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.
6. Fiber-Classic & Smooth-Star Door panel require the use of "J" part numbers and must be stained or painted within six months of installation.

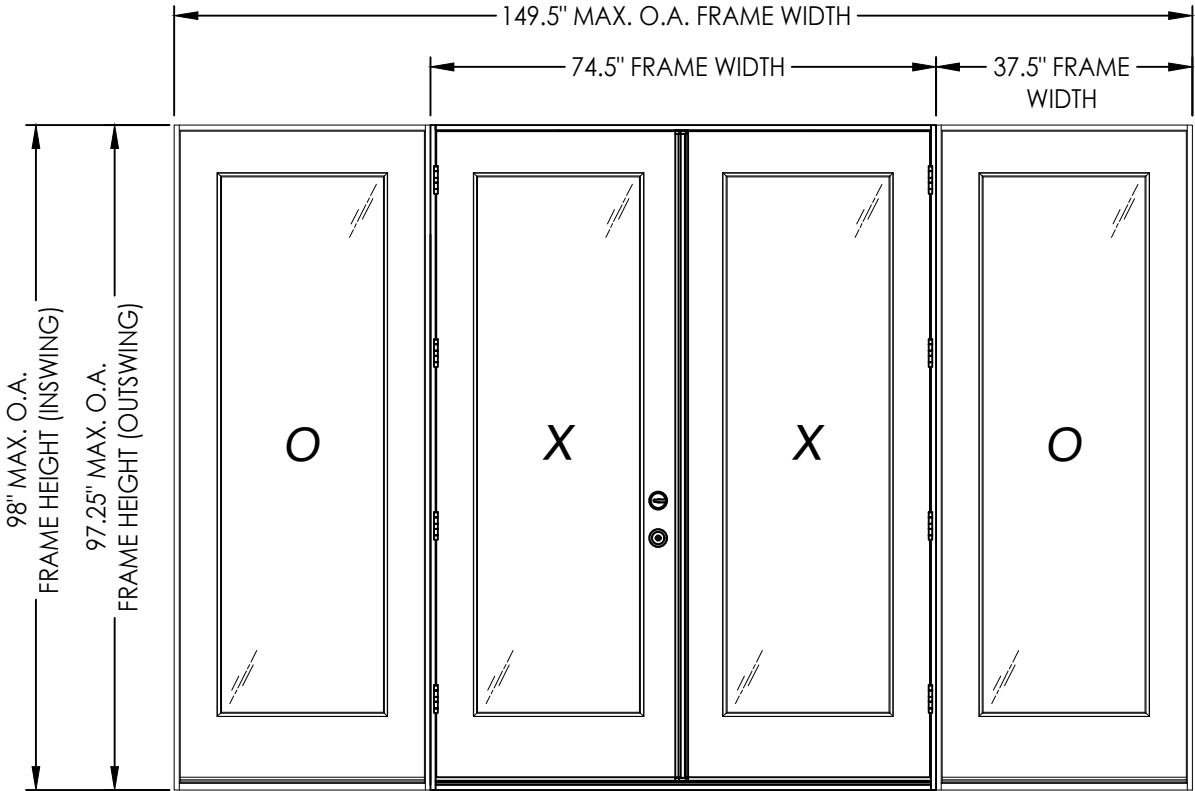
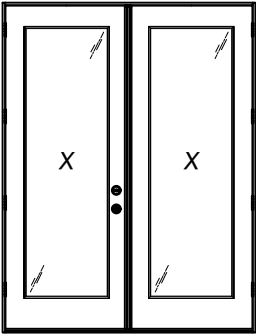
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7	Horizontal & Vertical Cross Sections (Direct to Masonry)		



Digitally signed by
Lyndon F Schmidt
Date: 2026.08.10
10:48:56 -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	JAMB MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	FJ PINE or COMPOSITE	+50.0	-50.0	+50.0	-50.0
OXXO	FJ PINE	+45.0	-50.0	+45.0	-45.0
	COMPOSITE	+50.0	-50.0	+50.0	-50.0

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46832.6

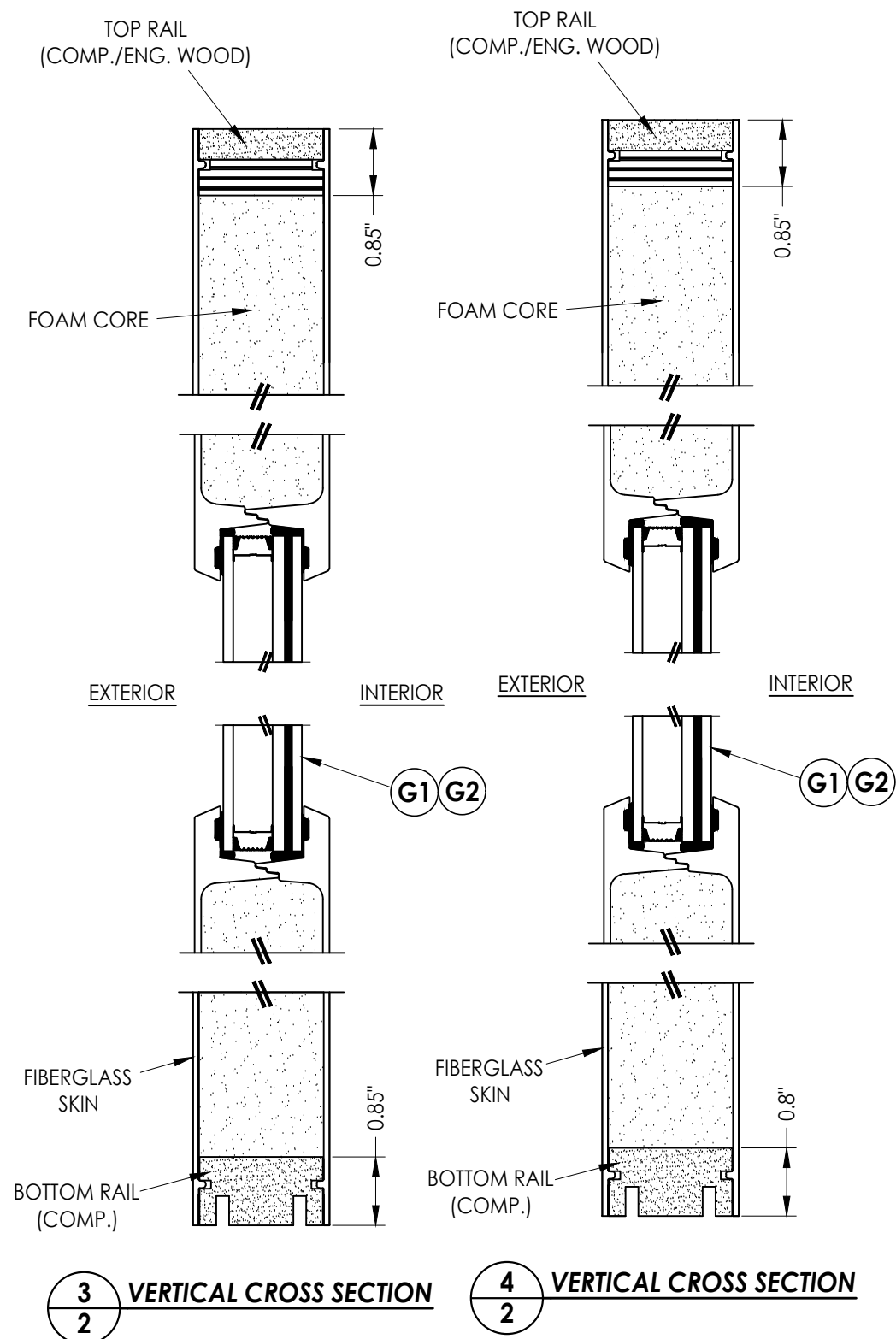
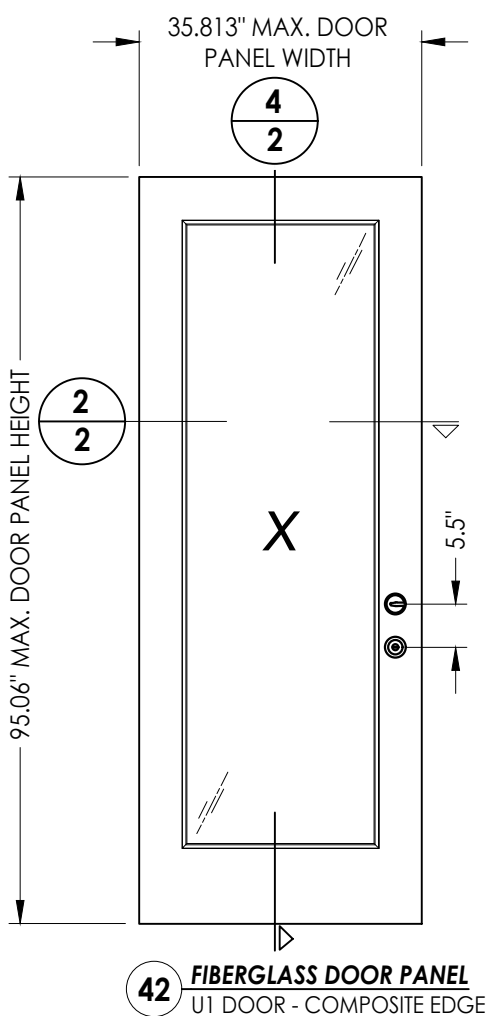
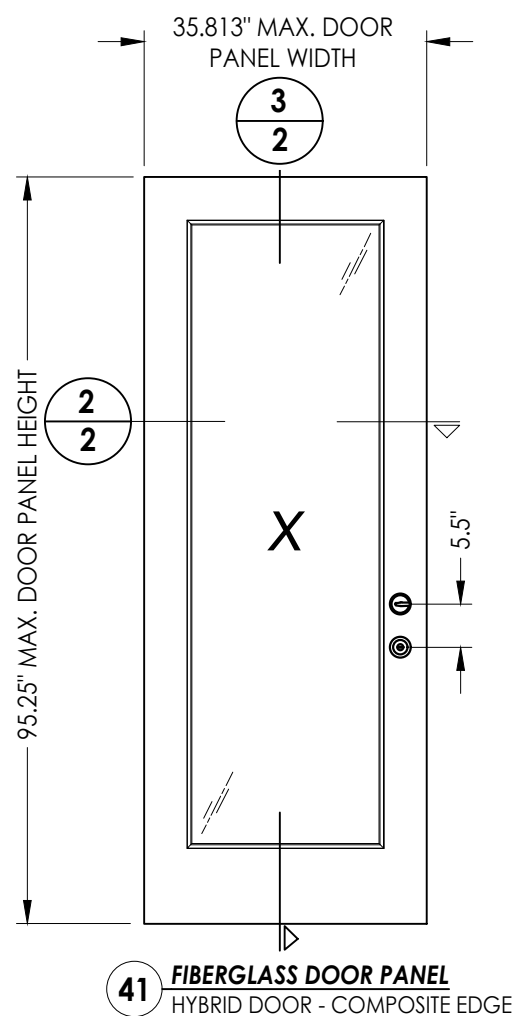
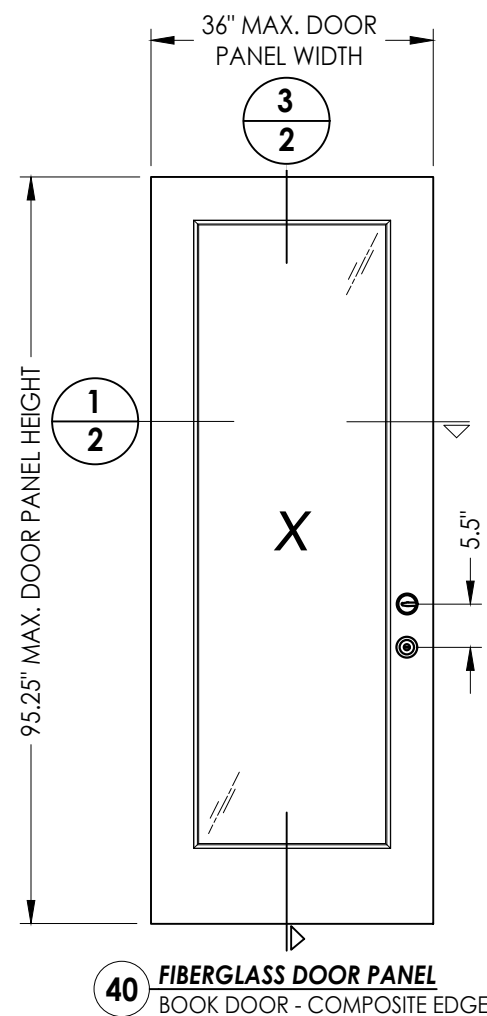
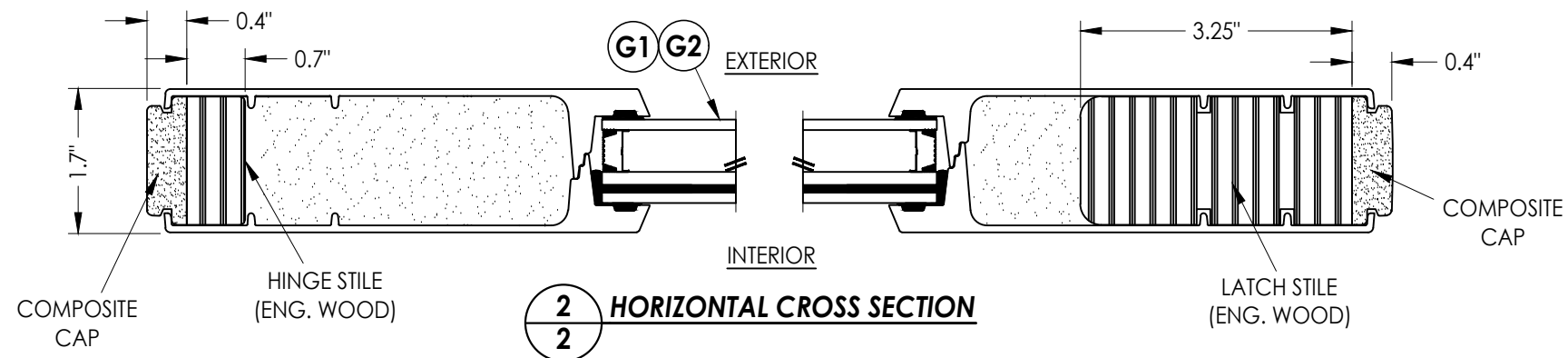
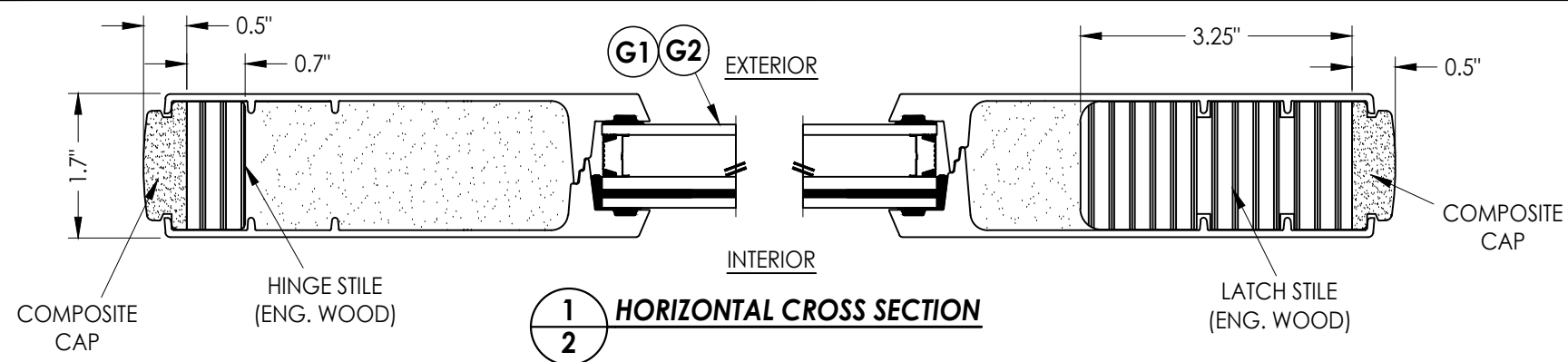
SHEET 1 OF 13

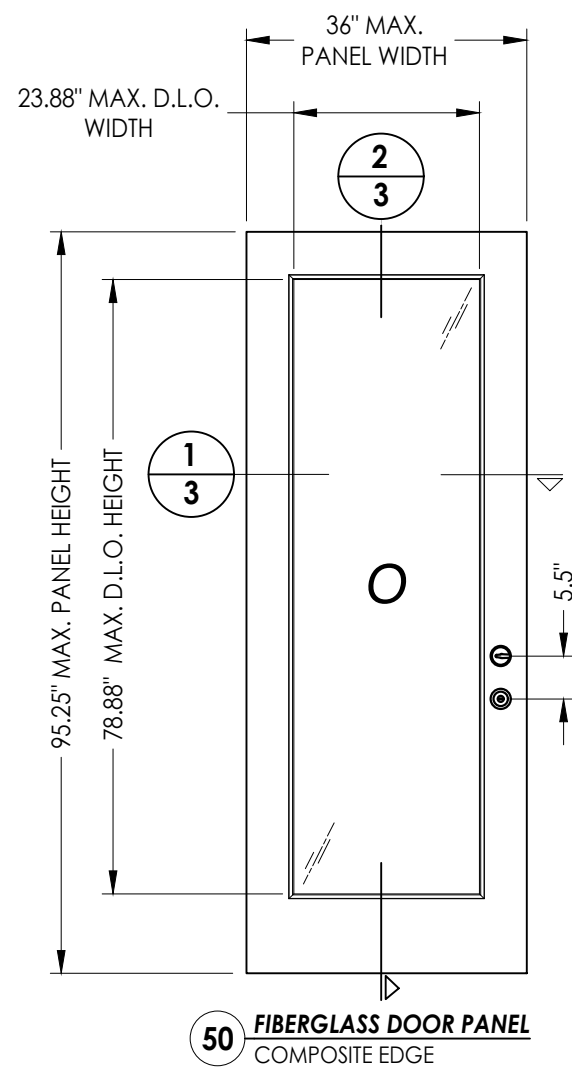
7/03/26
NO. DATE

UPDATE TO 9TH ED. (2026) FBC

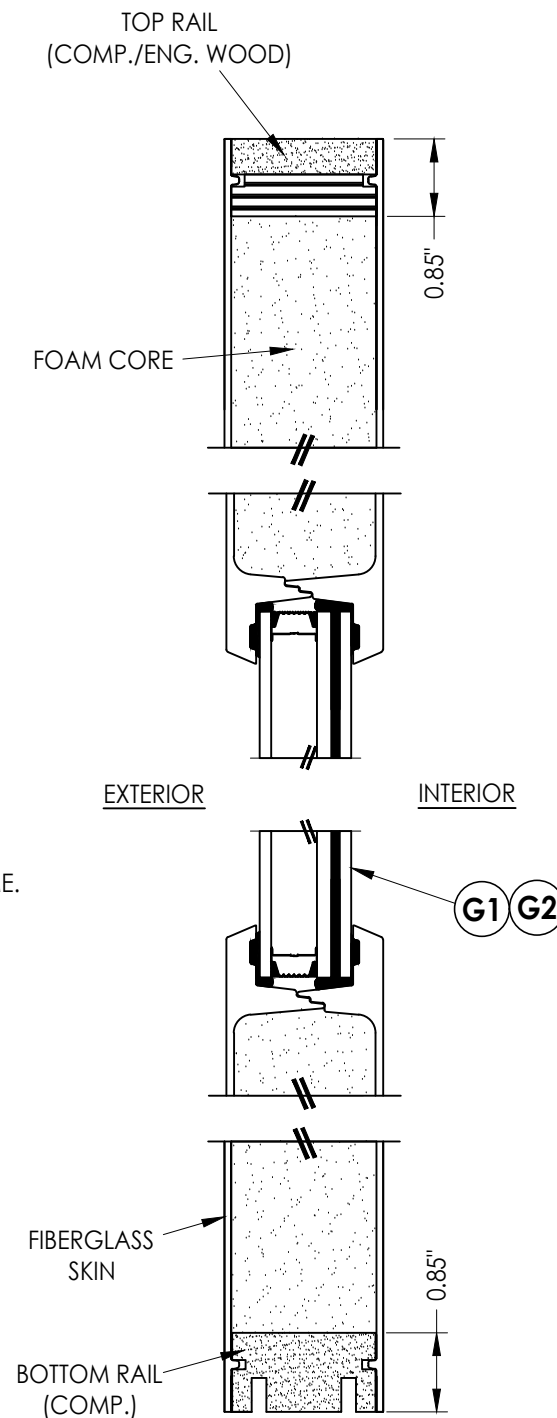
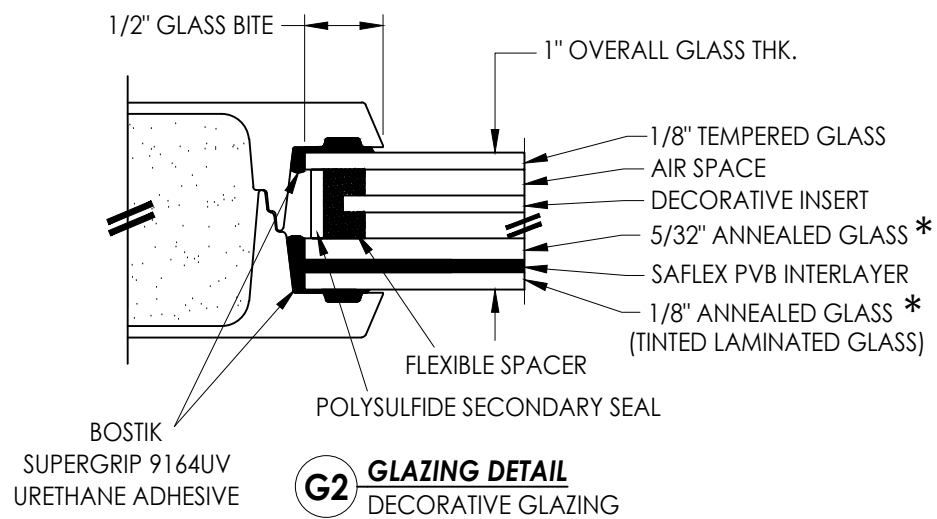
REVISIONS

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

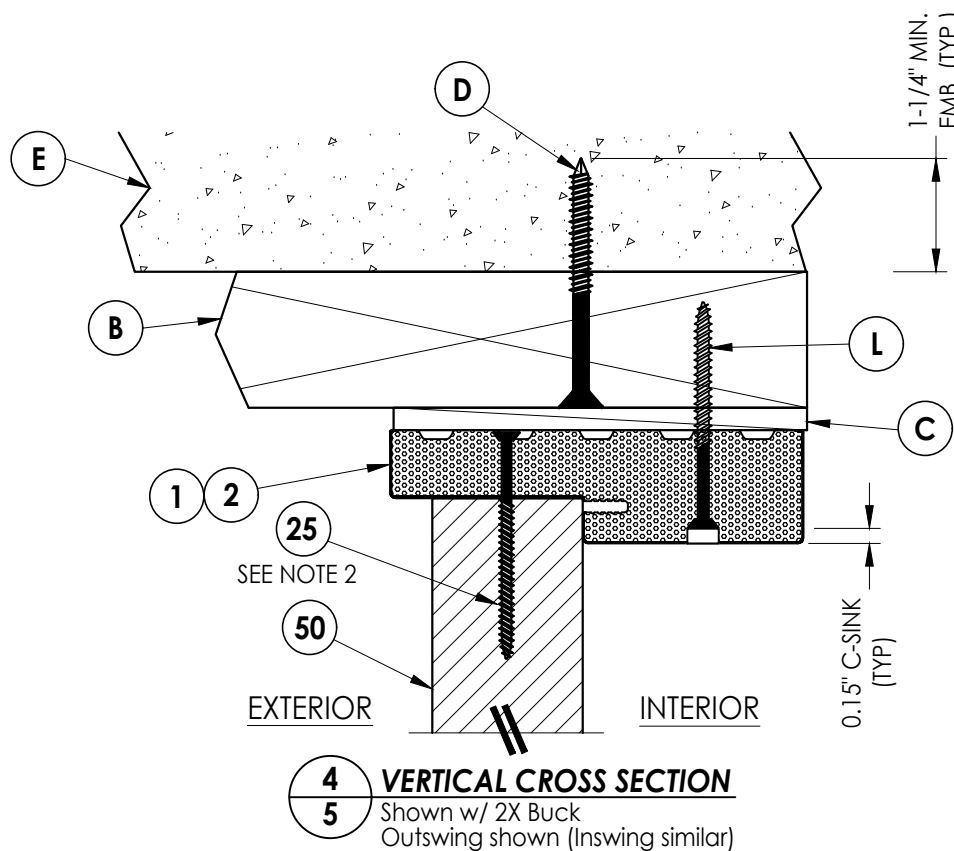
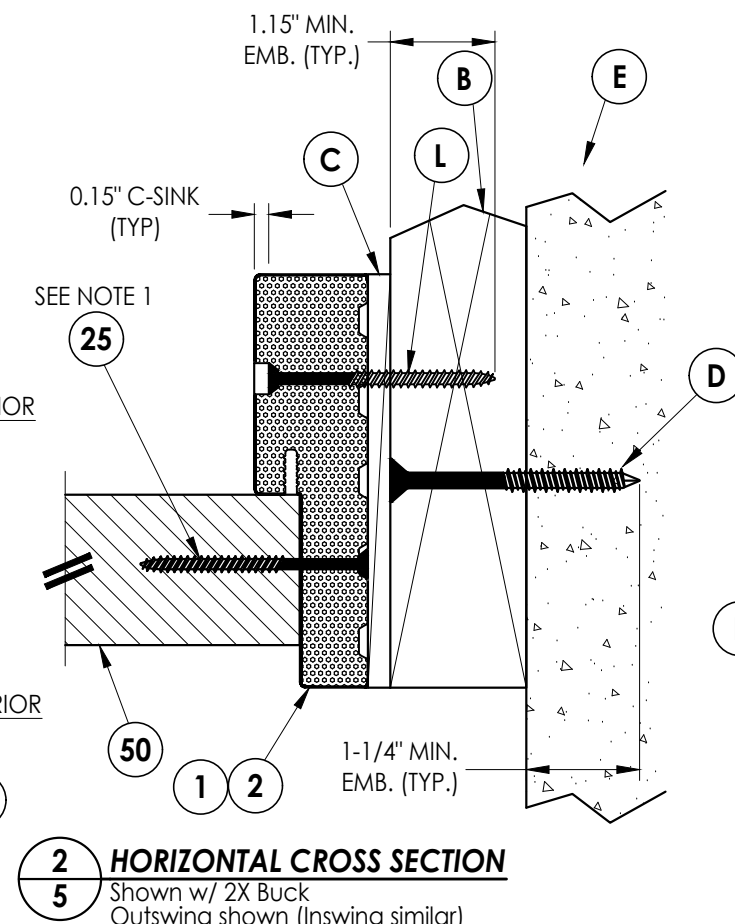
[illegible]



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

[illegible]

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).

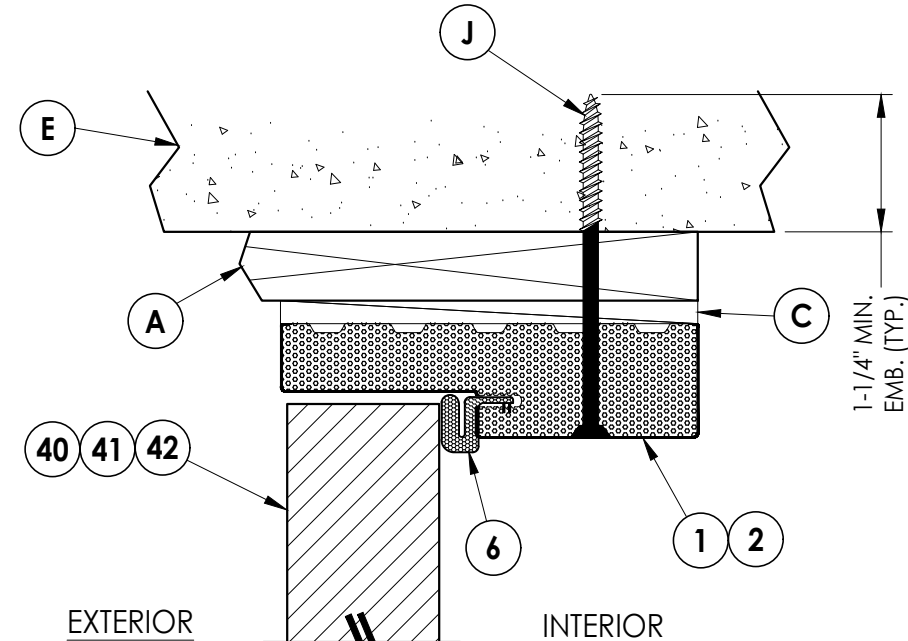


DATE: 6/17/24		PRODUCT: THERMA-TRU FIBERGLASS DOOR PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-46832.6			
SHEET 5 OF 13		NO. DATE REVISIONS	
		1 7/03/26 UPDATE TO 9TH ED. (2026) FBC	
		LFS BY	

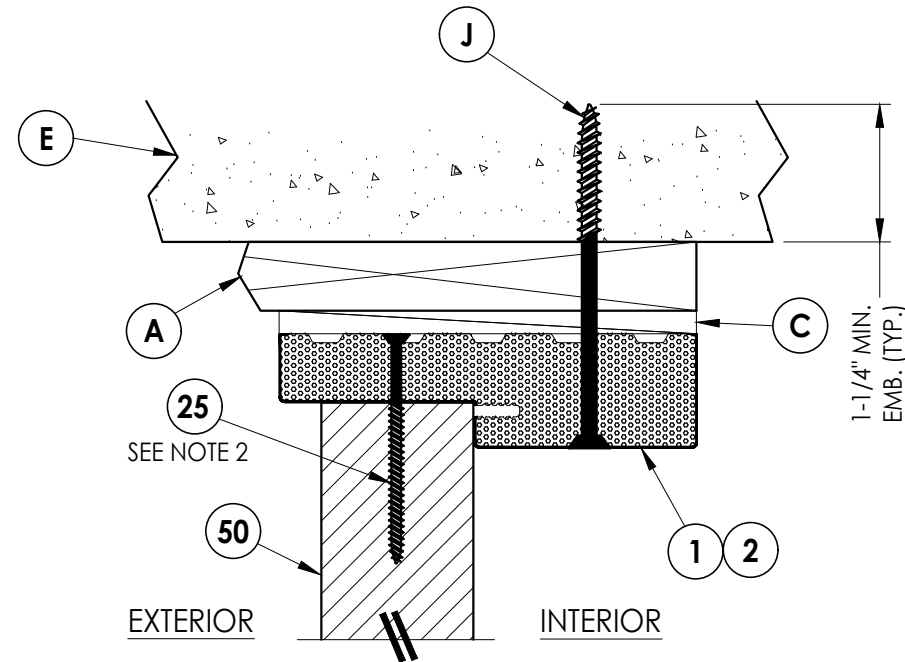
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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
6 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



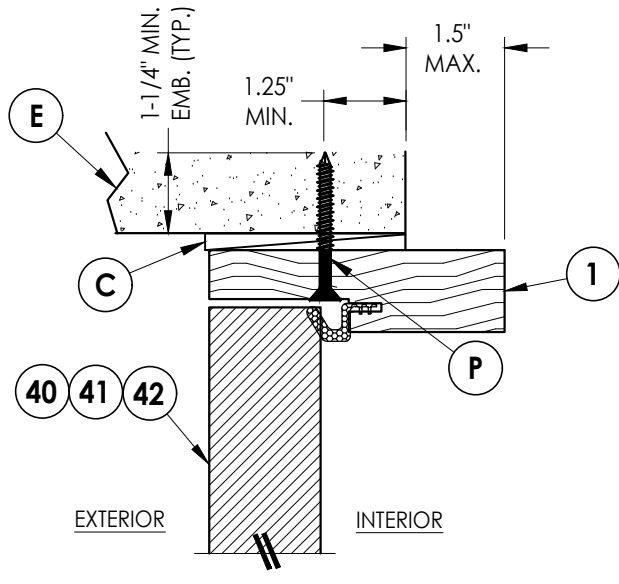
4 **VERTICAL CROSS SECTION**
6 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)

[illegible]

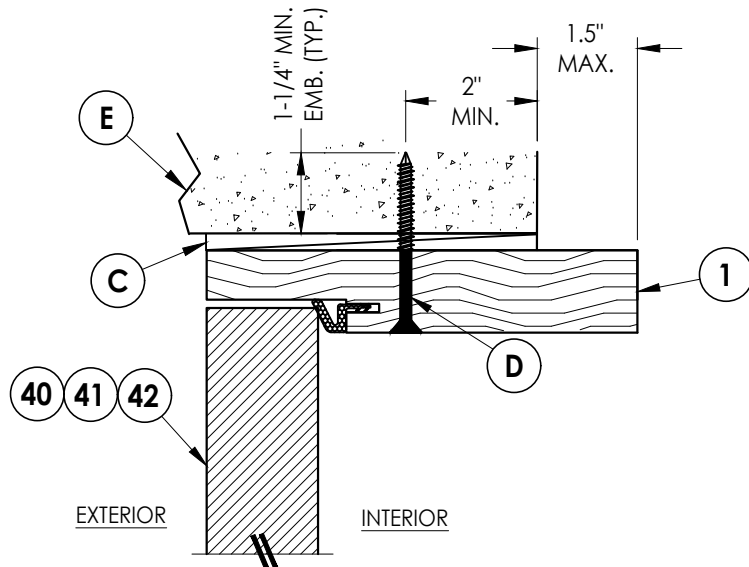
Documents Prepared By:
Lyndon F. Schmidt
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Phone No.: 813.659.9197
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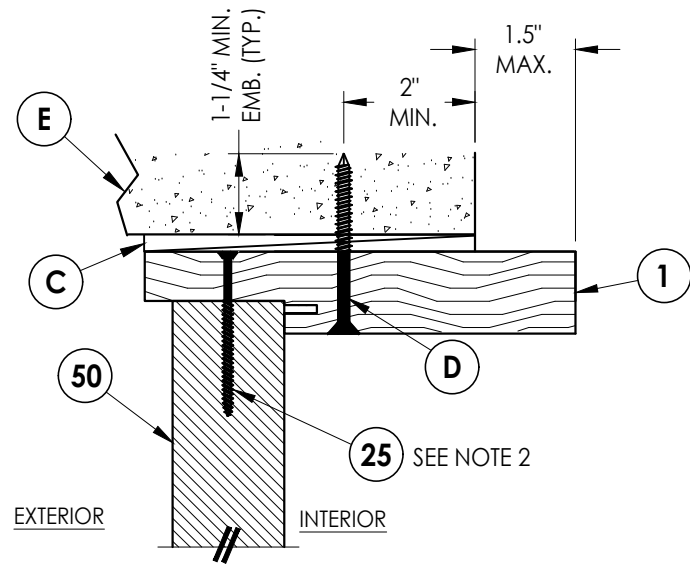
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3/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



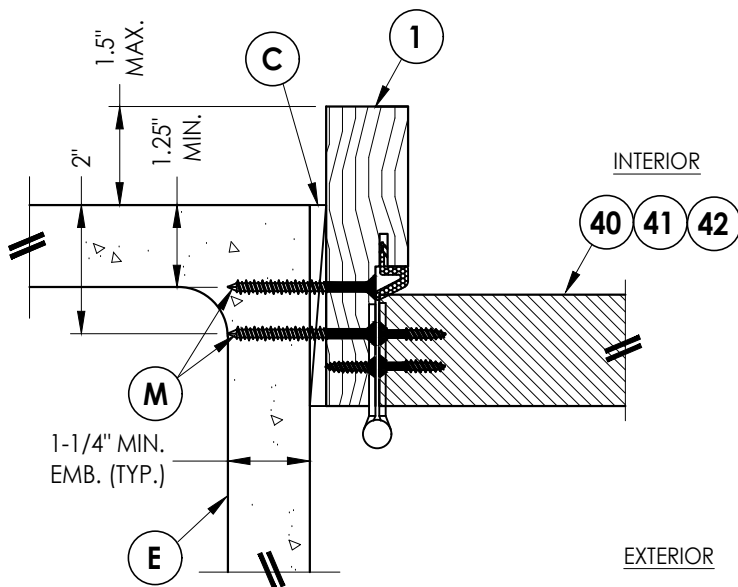
5/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



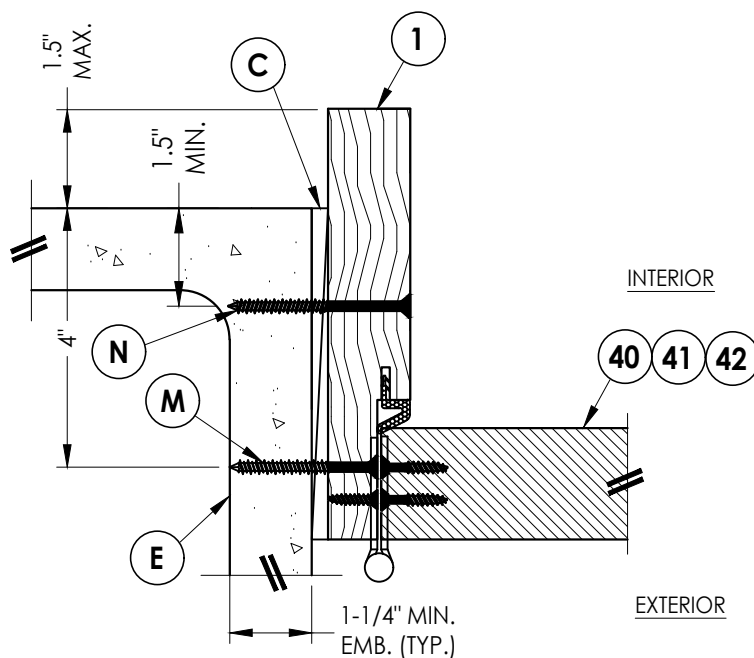
6/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Note:

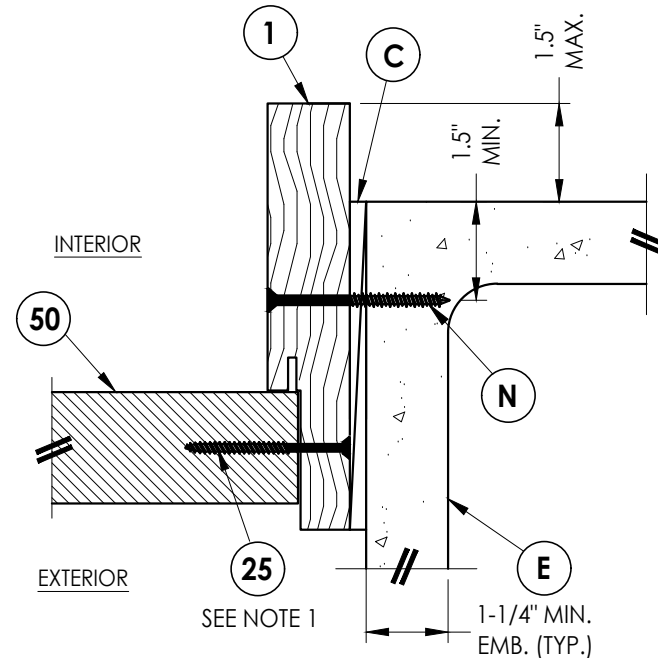
1. Sidelite assembly screws located 6" from each end plus 6 more equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws total @ head).



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
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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	BY	LFS
1	7/03/26	DATE	BY
REVISIONS			
UPDATE TO 9TH ED. (2026) FBC			

DATE: 6/17/24

SCALE: N.T.S.

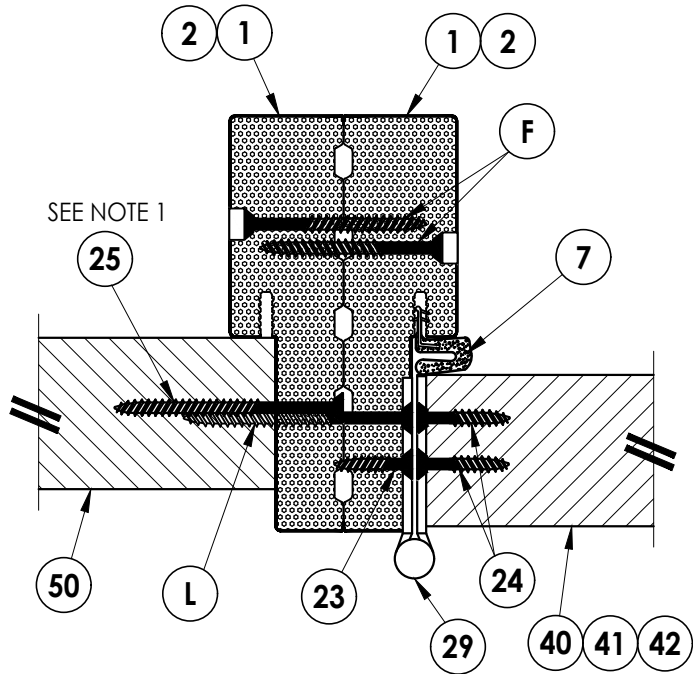
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-46832.6

SHEET 7 OF 13

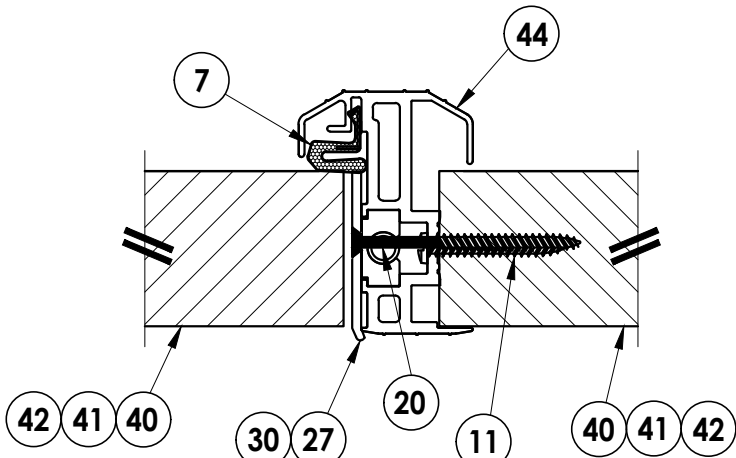
Notes:
1. Sidelite assembly screws located 6" from each end and 6 more screws
equally spaced between (8 screws total per side jamb).



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

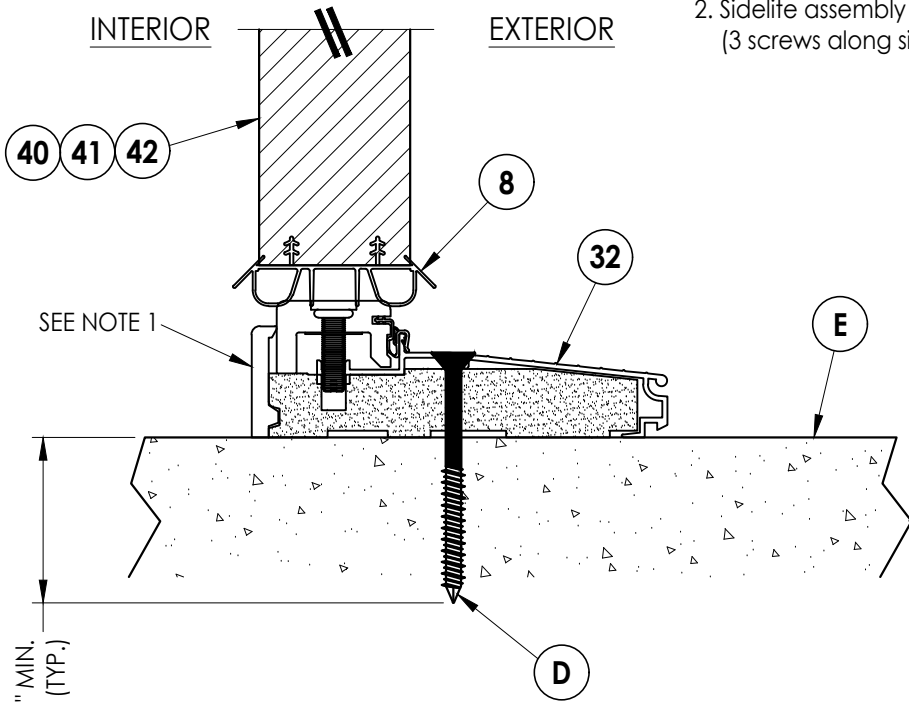
INTERIOR

EXTERIOR

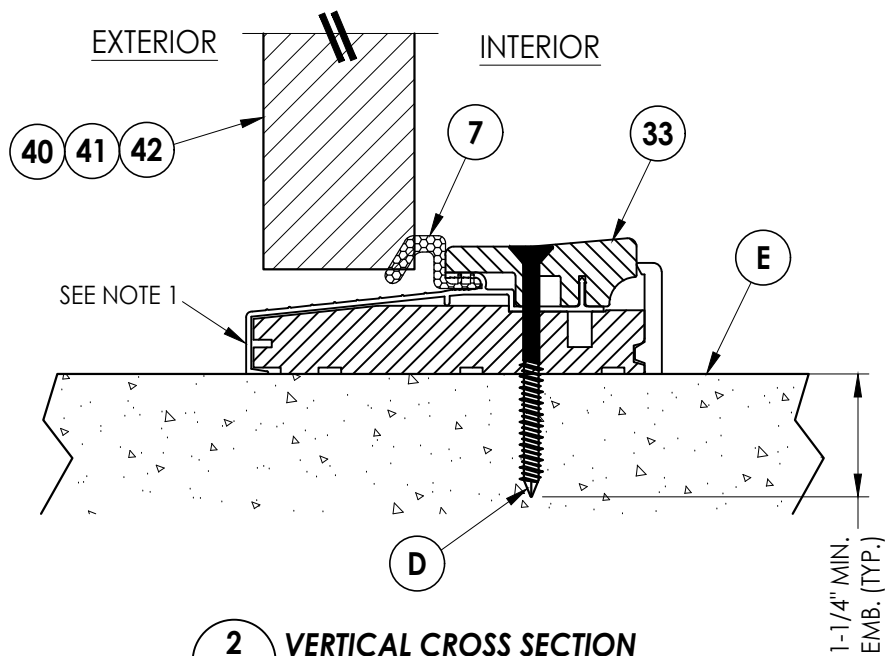


2 **HORIZONTAL CROSS SECTION**
8 Outswing shown (Inswing similar)

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	
		LFS	
		BY	
		REVISIONS	
		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-46832.6			
SHEET 8 OF 13			



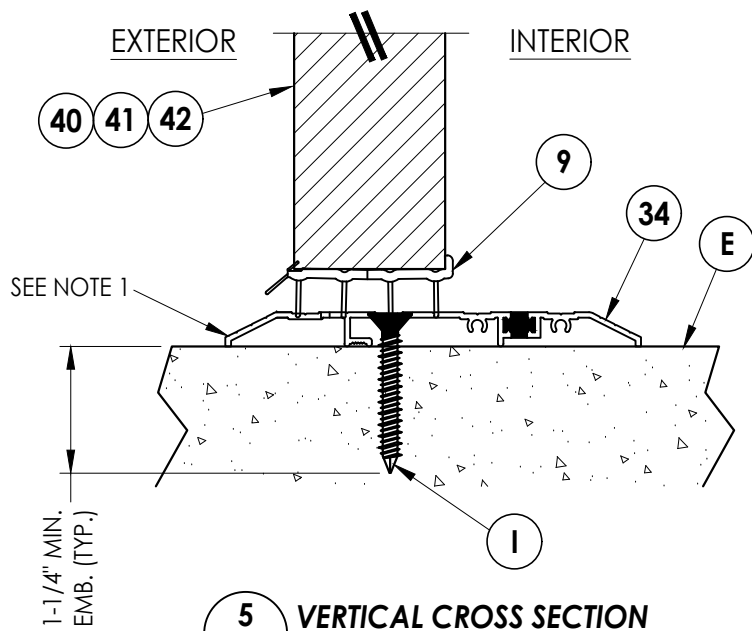
1 **VERTICAL CROSS SECTION**
9 Inswing Sill



2 **VERTICAL CROSS SECTION**
9 Outswing Sill

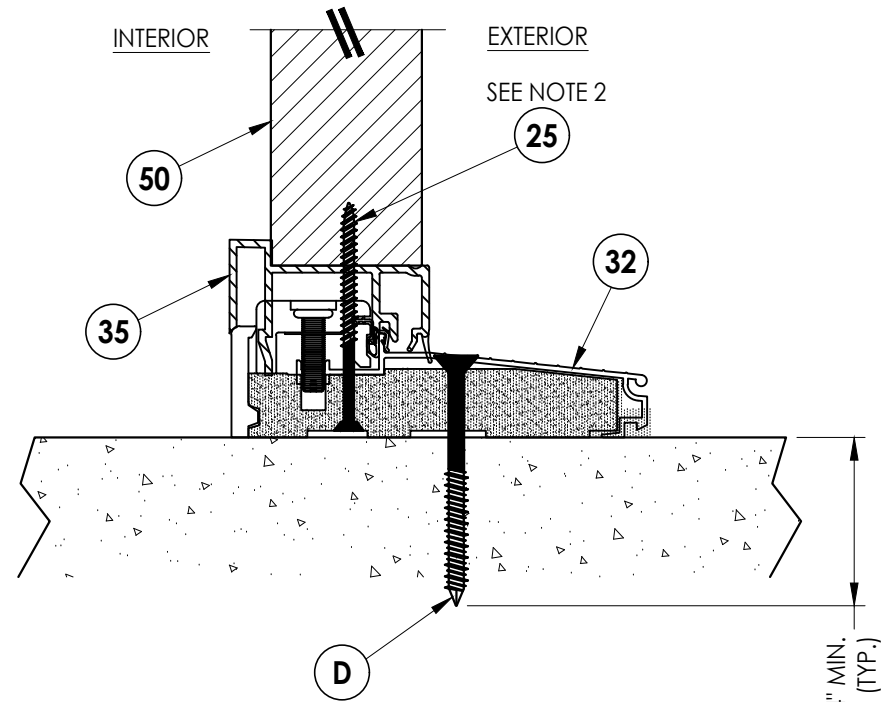
Notes:

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

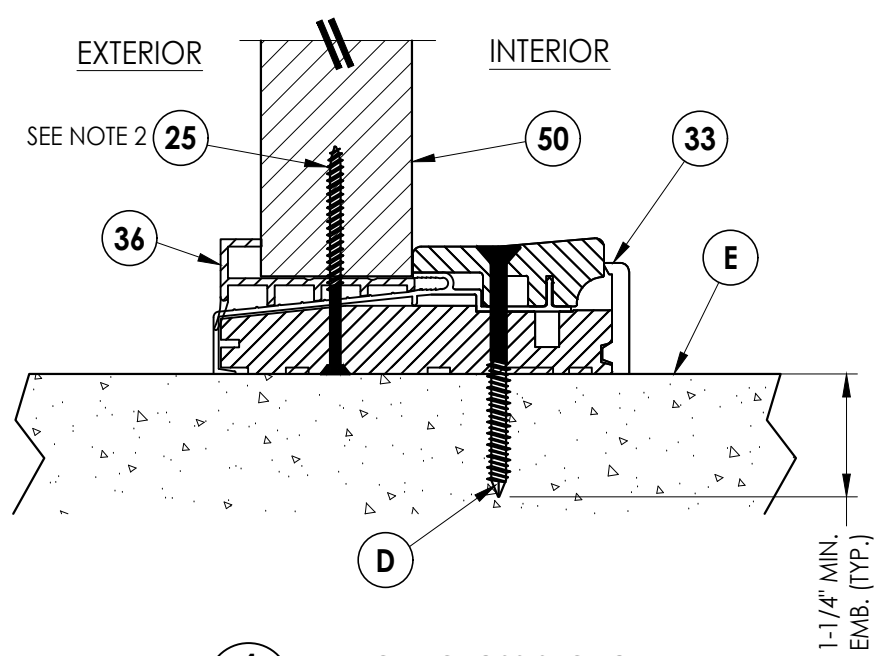


5 VERTICAL CROSS SECTION

9 Public Access Sill



3 9 **VERTICAL CROSS SECTION** Inswing Sill



4 **VERTICAL CROSS SECTION**
9 Outswing Sill

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

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

[illegible]

DATE: 6/17/24

SCALE: N.T.S.

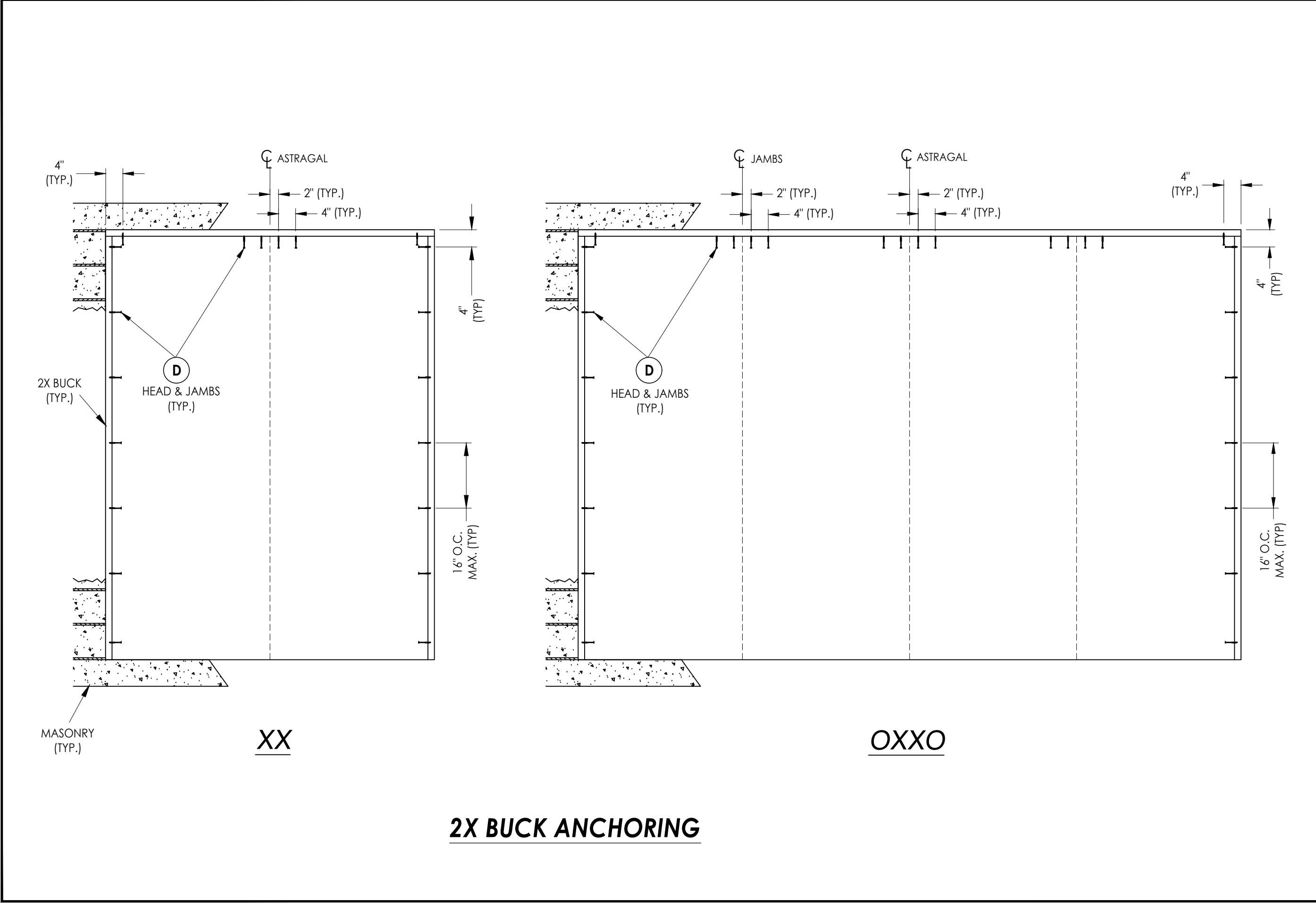
DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:
E1-10070-0

FL-46832.6

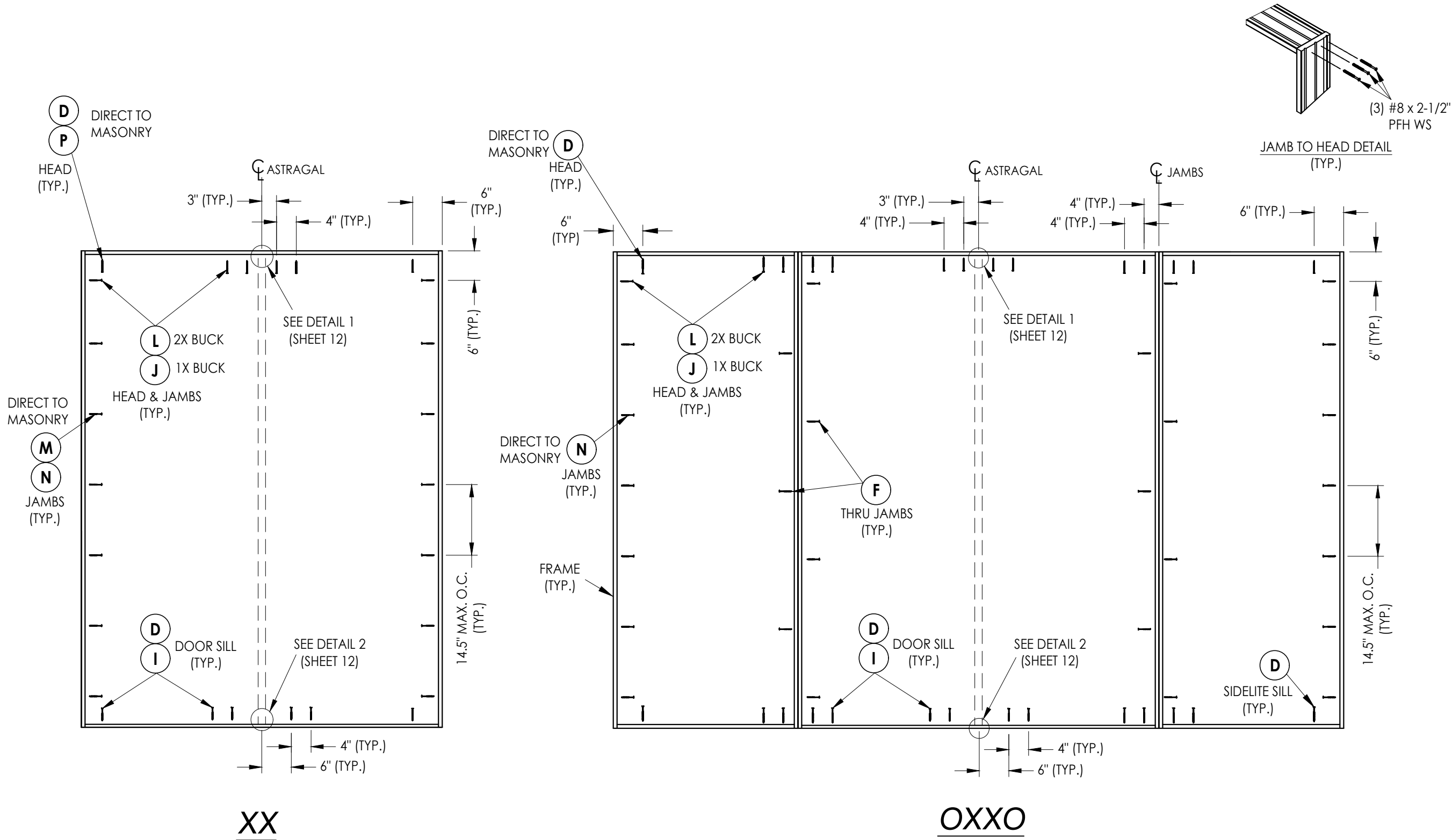
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2X BUCK ANCHORING

DATE: 6/17/24				PRODUCT:				Documents Prepared By:			
SCALE: N.T.S.				THERMA-TRU				Lyndon F. Schmidt			
DWG. BY: RW				FIBERGLASS DOOR				P.E. No. 43409			
CHK. BY: LFS											
DRAWING NO.: FL-46832.6											
SHEET 10 OF 13											

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FRAME ANCHORING

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

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-46832.6

SHEET 11 OF 13

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

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

HINGE DETAIL
Inswing

HINGE DETAIL
Outswing

SEE LATCH
& DEADBOLT
STRIKE PLATE
DETAIL

SEE MULTIPOINT
LATCH & DEADBOLT
STRIKE PLATE DETAIL

Diagram illustrating the wiring for a 120V receptacle:

- N** (Neutral) is connected to the top screw terminal.
- G** (Ground) is connected to the top line terminal.
- L** (Line) is connected to the bottom line terminal.
- 78** (Ground) is connected to the bottom screw terminal.

DETAIL 2

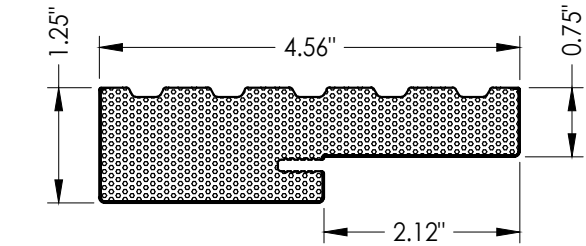
DETAIL 1
Inswing
Coastal Astragal Strike Plate @ Sill

DETAIL 2
Outswing
Coastal Astragal Bolt Hole @ Sill

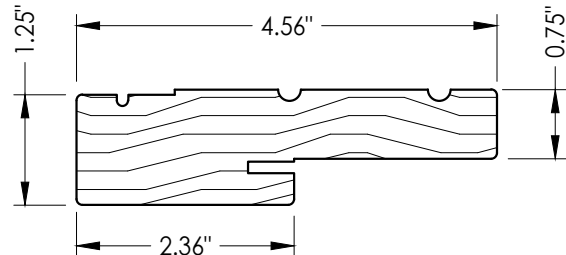
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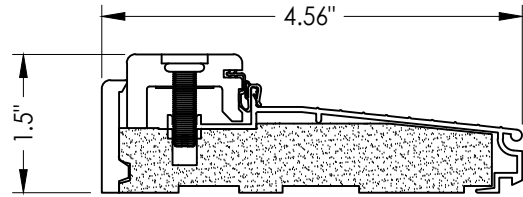
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH 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



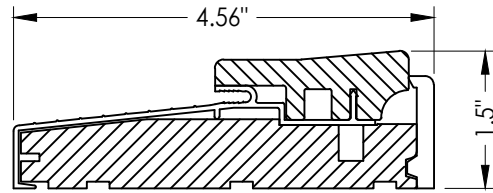
1 COMPOSITE JAMB



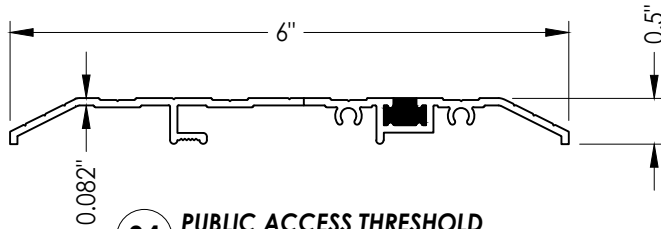
2 WOOD JAMB



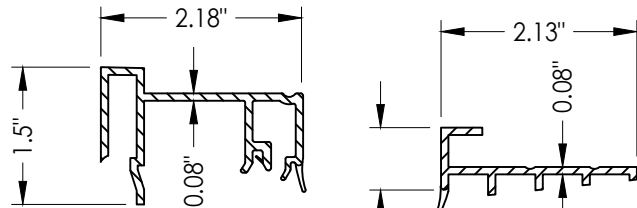
32 INSWING THRESHOLD
Adjustable Composite Sill



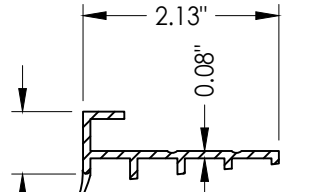
33 OUTSWING THRESHOLD
Composite Sill



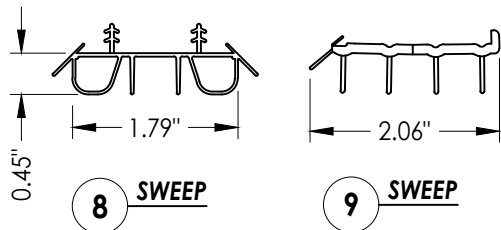
34 PUBLIC ACCESS THRESHOLD



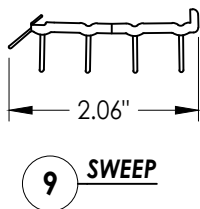
35 SIDELITE SPACER
Inswing



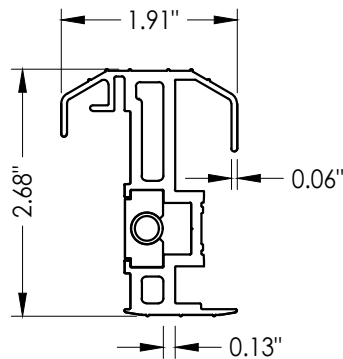
36 SIDELITE SPACER
Outswing



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:
Lyndon F. Schmidt
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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:
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-46832.6

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