

Z:\2023 FBC Drawings\Therma-Tru\FL-20468 R7\FL-20468.13-15.dwg

THERMA-TRU[®]
DOORS

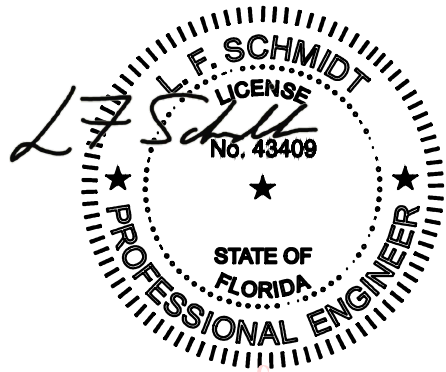
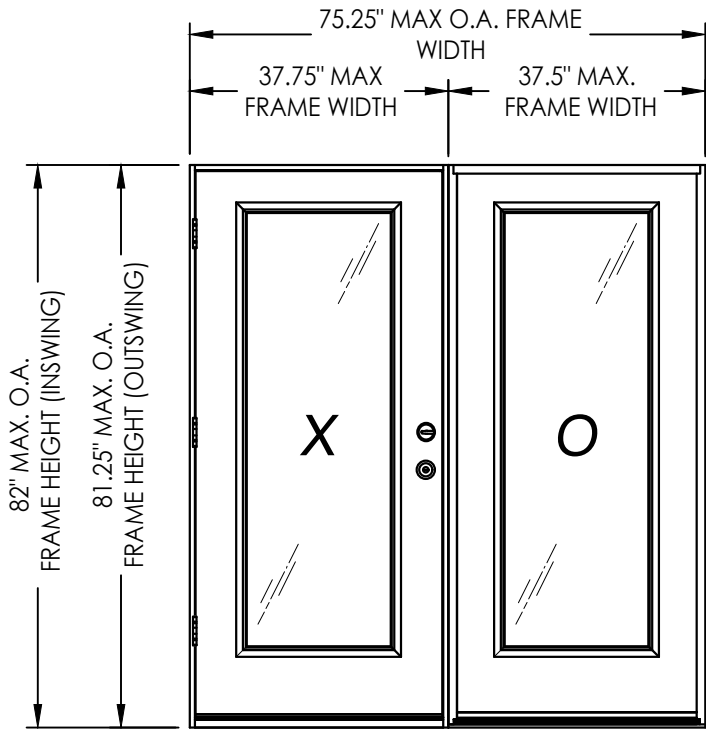
Fiber-Classic[®] & Smooth-Star[®]

GLAZED MOLDED OPEN COMPOSITE EDGE
FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
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 includes Wind Zone 3 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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite 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	Vertical Cross Sections (Thresholds)
9	Buck Anchoring
10	Frame Anchoring
11	Hardware Details
12	Lite Frame & Glazing Details
13	Bill of Materials & Components

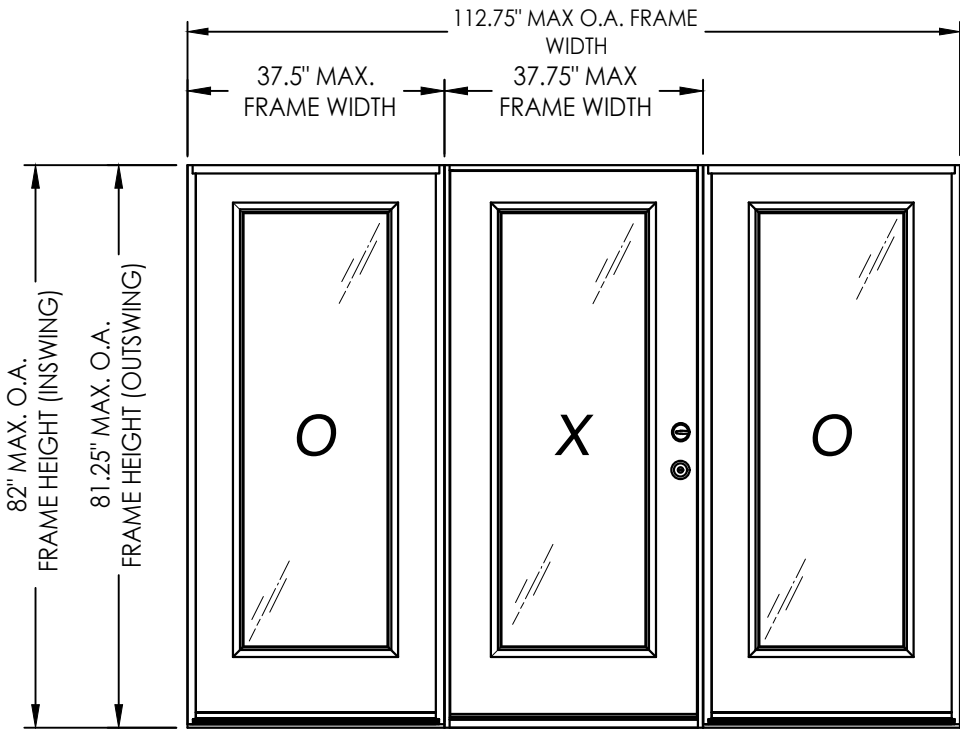


Digitally signed by Lyndon F Schmidt
Date: 2026.08.05 14:47:23 -04'00'

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	LOCK TYPE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	LATCH & DEADBOLT	+55.0	-65.0	+60.0	-60.0
	MULTIPOINT LOCK	+50.0	-50.0	+50.0	-50.0

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: THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	
		DATE	BY
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	7/20/23	UPDATE TO 8TH ED. (2023)	FBC LFS

DATE: 4/01/21

SCALE: N.T.S.

DWG. BY: RW

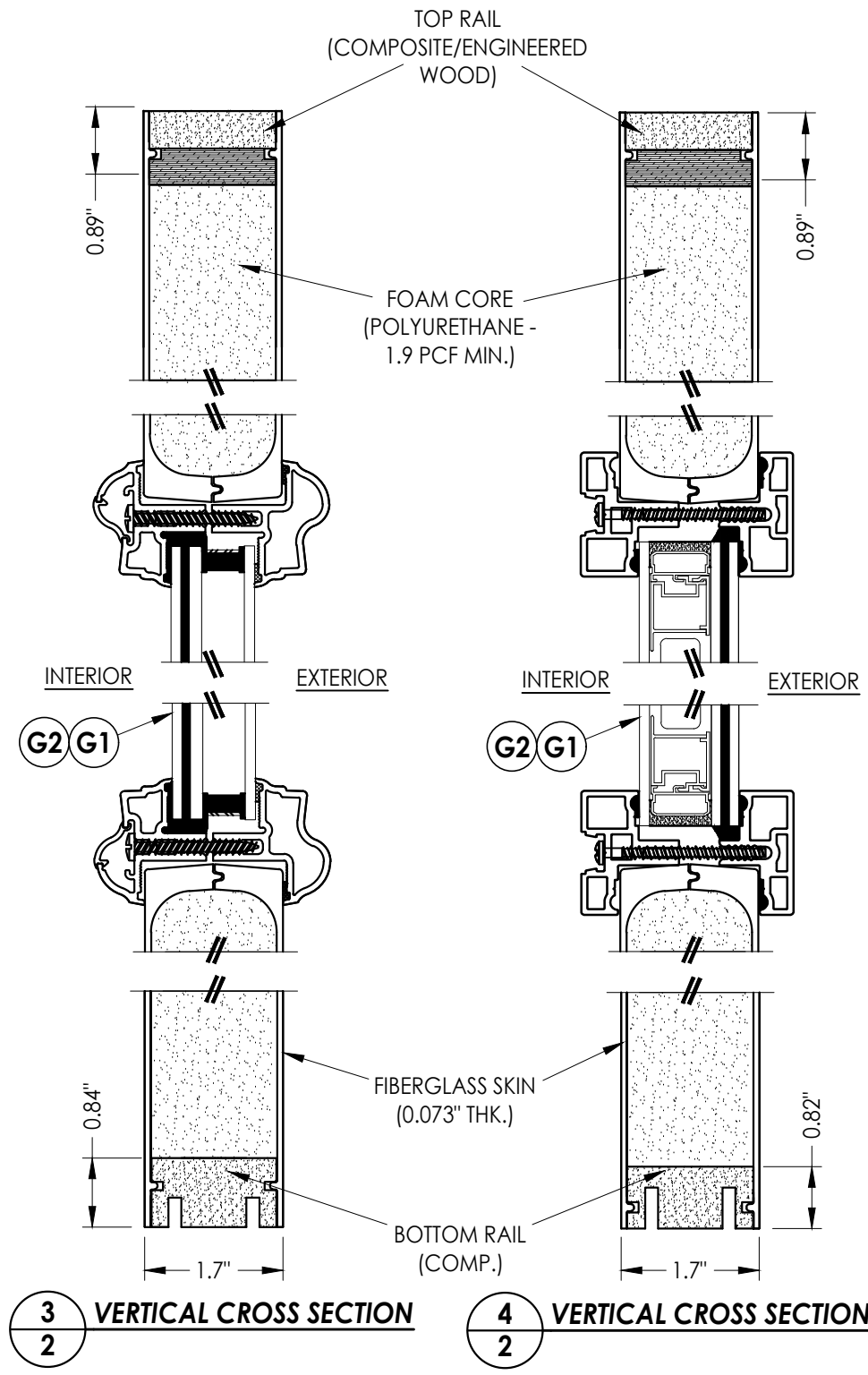
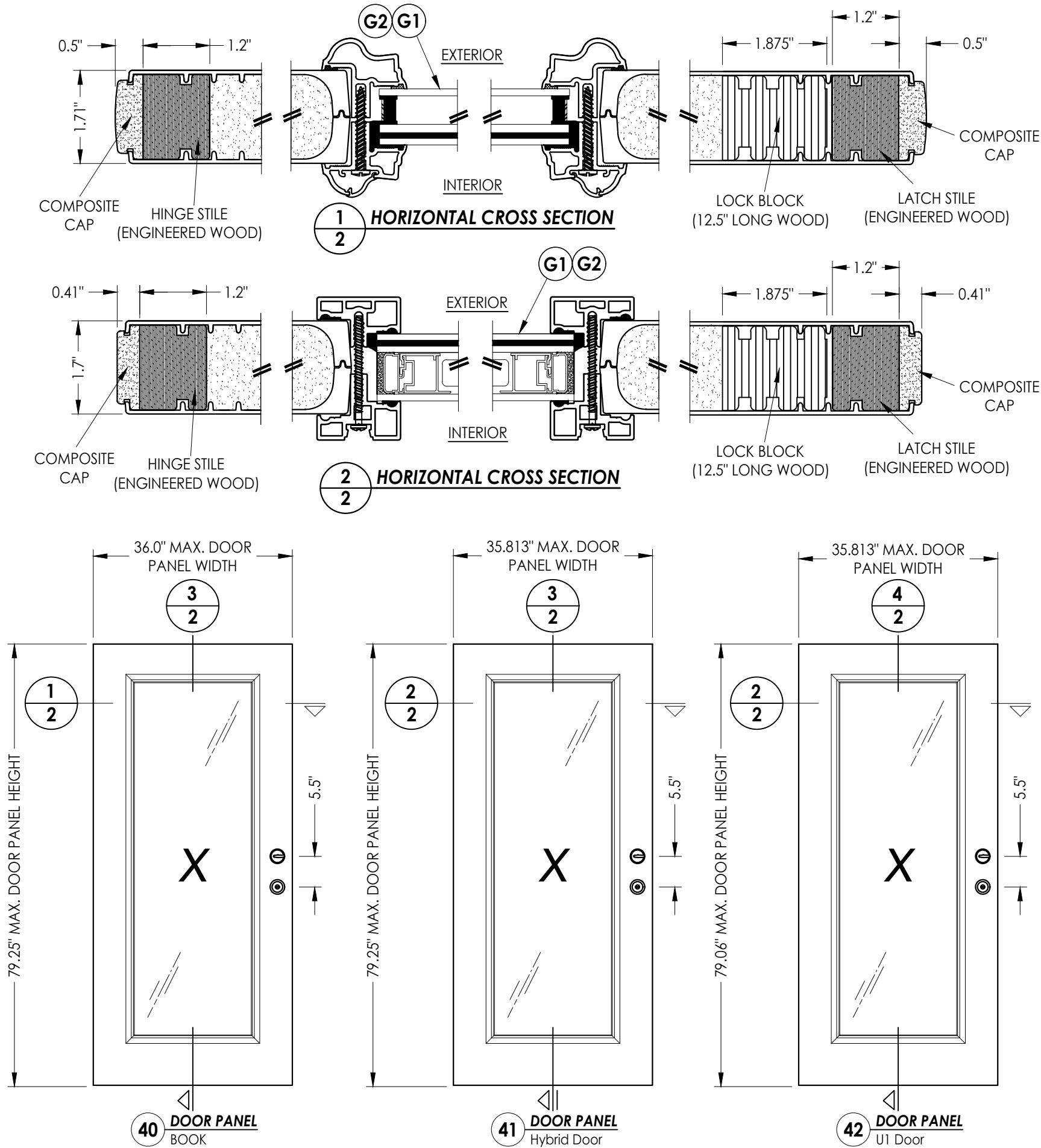
CHK. BY: LFS

DRAWING NO.:

FL-20468.14

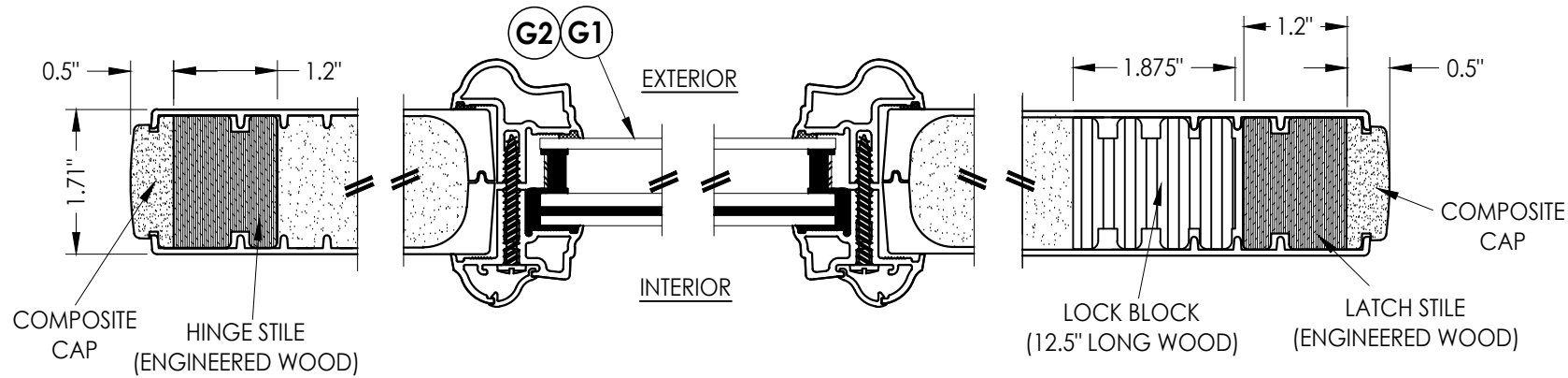
SHEET 1 OF 13

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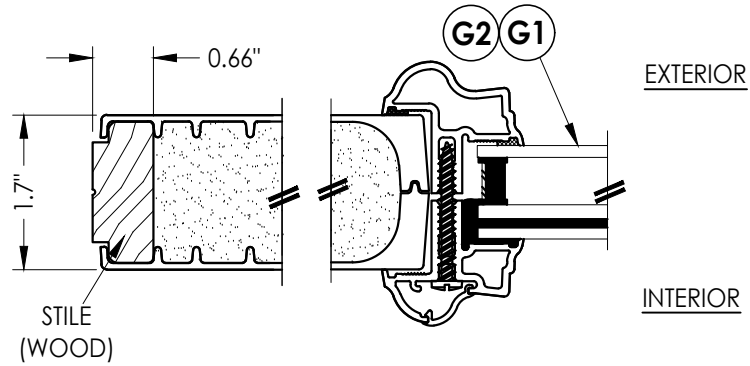


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	BY
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	7/20/23	UPDATE TO 8TH ED. (2023)	FBC
	NO.	DATE	
REVISIONS			
DATE: 4/01/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-20468.14			
SHEET 2 OF 13			

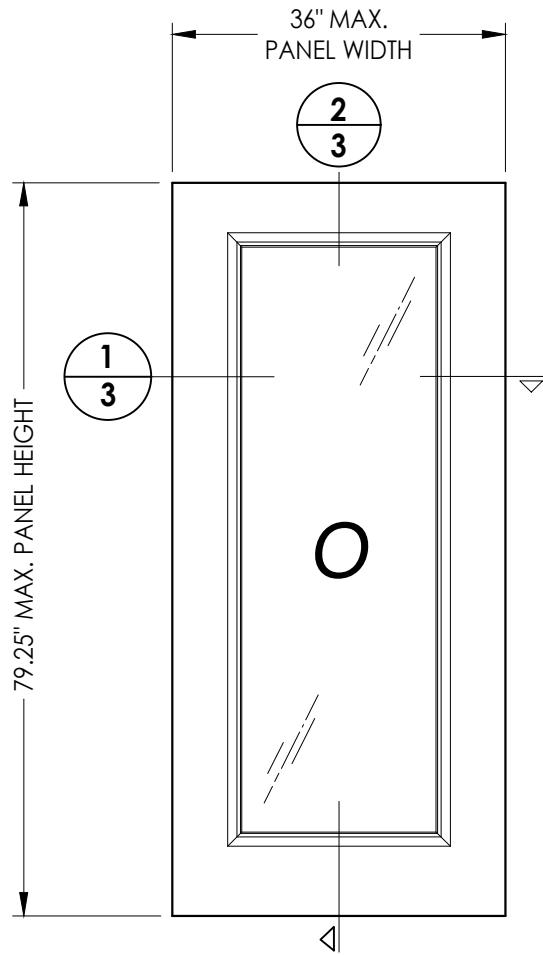
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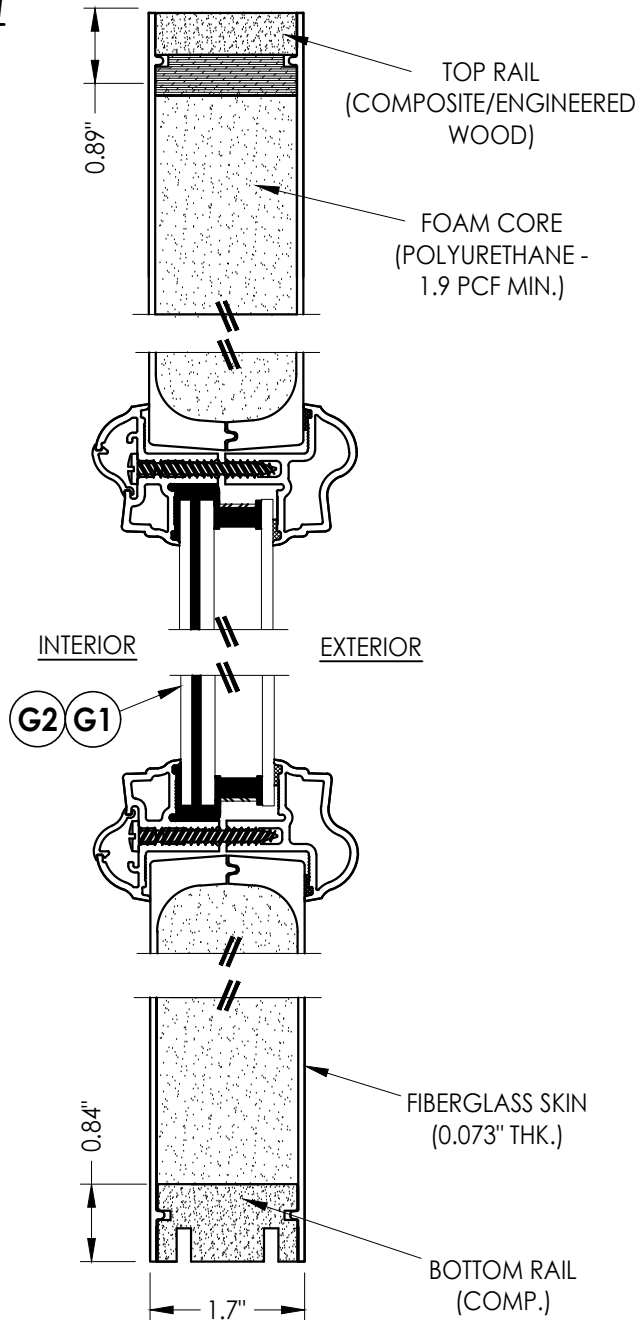
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3 HORIZONTAL CROSS SECTION



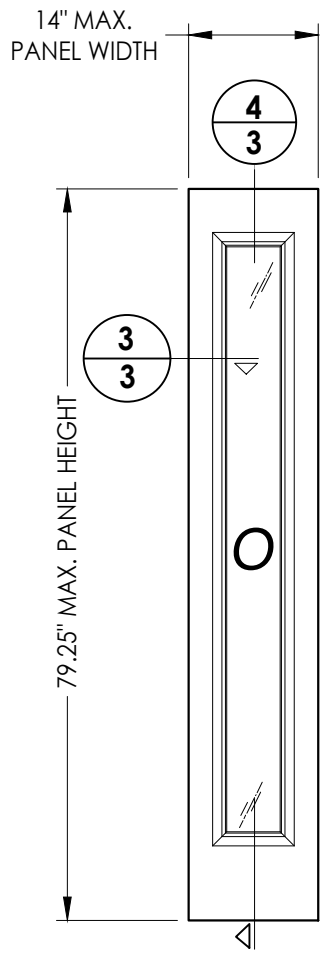
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3 HORIZONTAL CROSS SECTION



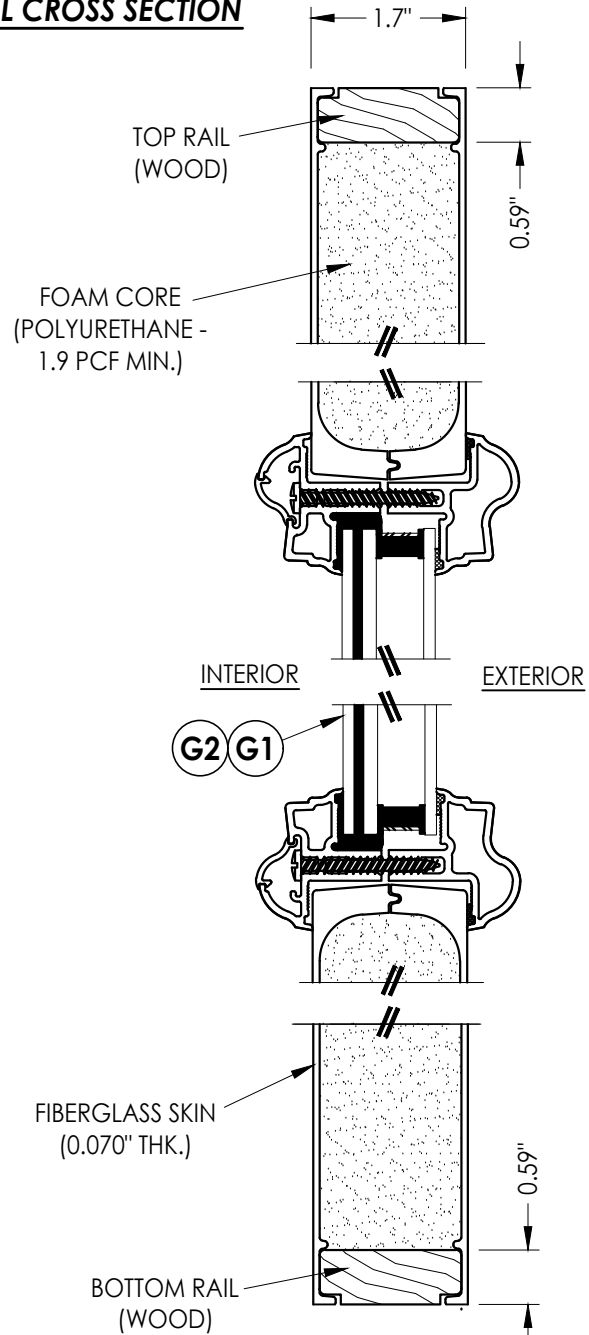
50 SIDELITE PANEL
36" Sidelite



2
3 VERTICAL CROSS SECTION



50 SIDELITE PANEL
14" Sidelite



4
3 VERTICAL CROSS SECTION

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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:
SIDELITE PANEL DETAILS

NO.	DATE	BY	REVISIONS		
			DATE	BY	DESCRIPTION
2	7/01/26	LFS	UPDATE TO 9TH ED. (2026)	FBC	
1	7/20/23	LFS	UPDATE TO 8TH ED. (2023)	FBC	

DATE: 4/01/21

SCALE: N.T.S.

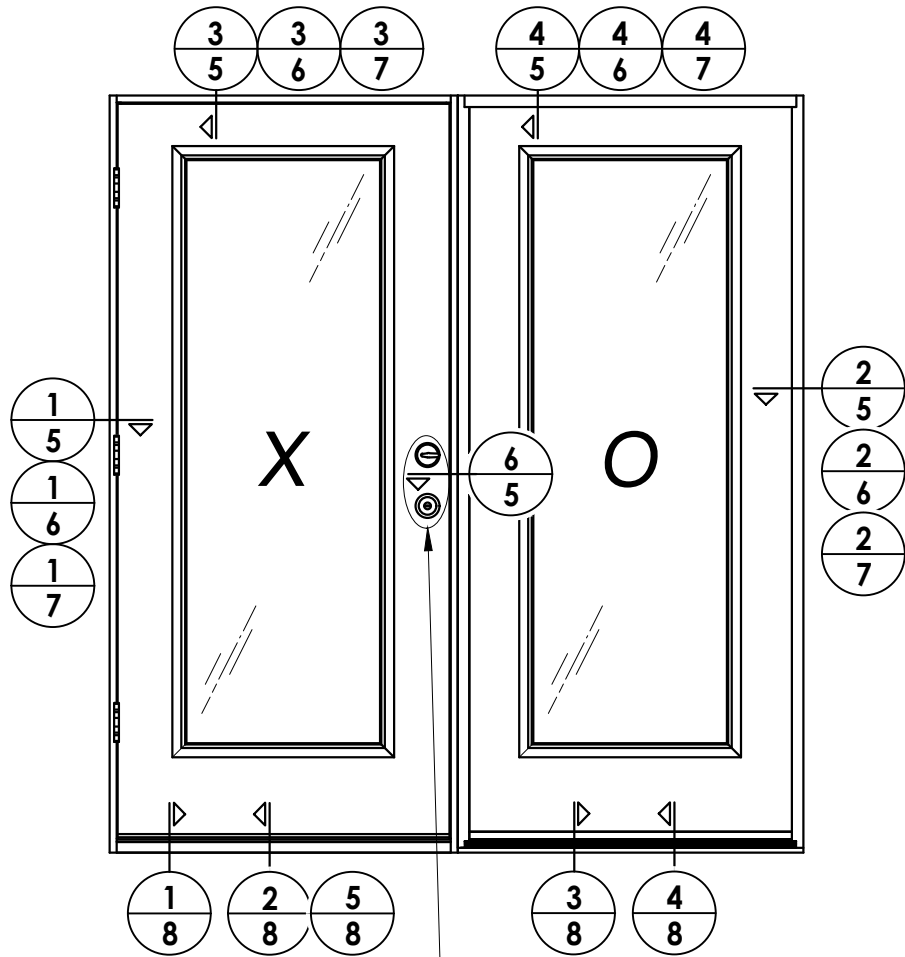
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CHK. BY: LFS

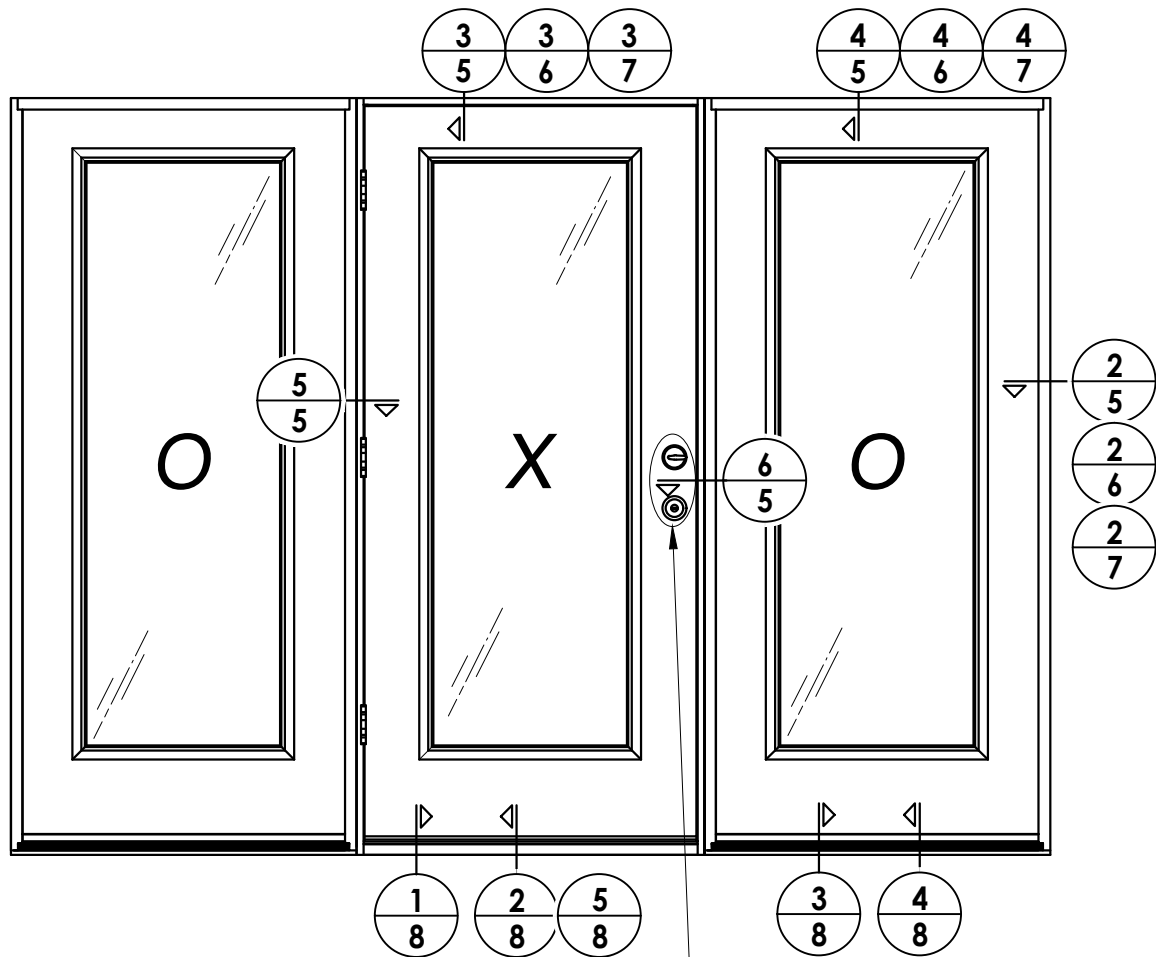
DRAWING NO.: FL-20468.14

SHEET 3 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-20468 R7\FL-20468.13-15.dwg



ELEVATION
XO



ELEVATION
OXO



Fiber-Classic/Smooth-Star Door Panel Options

Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

Hardware Table	
Manufacturer	Model
Schlage	Knob: F51
	Deadbolt: B60
Kwikset	Knob: Signature Series
	Deadbolt: Signature Series (980)
Hoppe (Therma-Tru)	Multipoint : MPDGART (3 pt. Manual Tongue)

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FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

REVISIONS	
NO.	DATE
2	7/01/26
1	7/20/23

DATE: 4/01/21

SCALE: N.T.S.

DWG. BY: RW

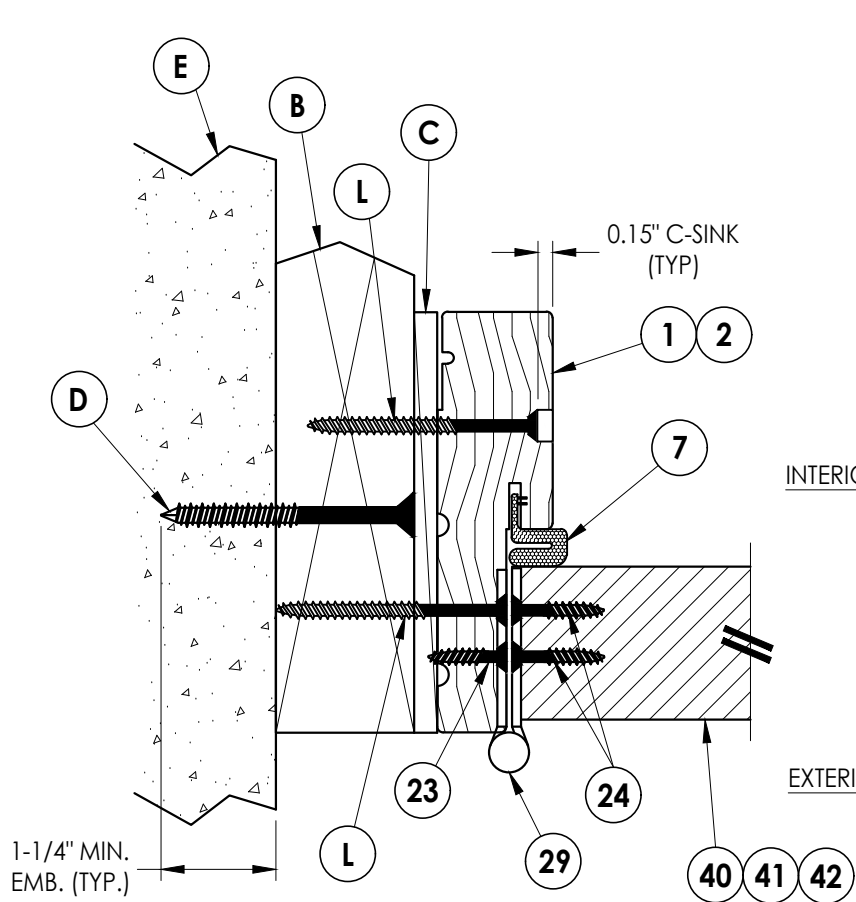
CHK. BY: LFS

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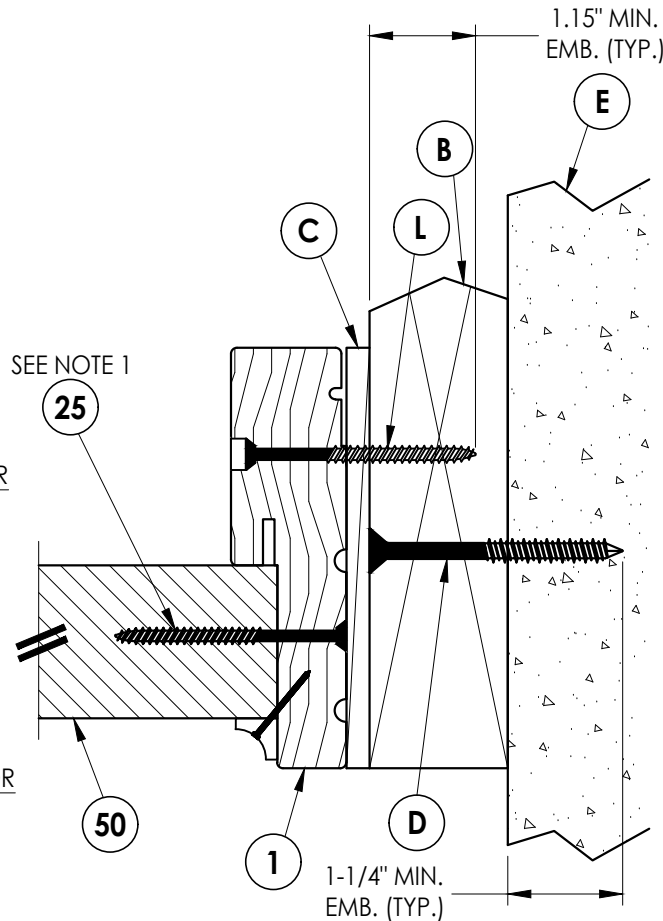
FL-20468.14

SHEET 4 OF 13

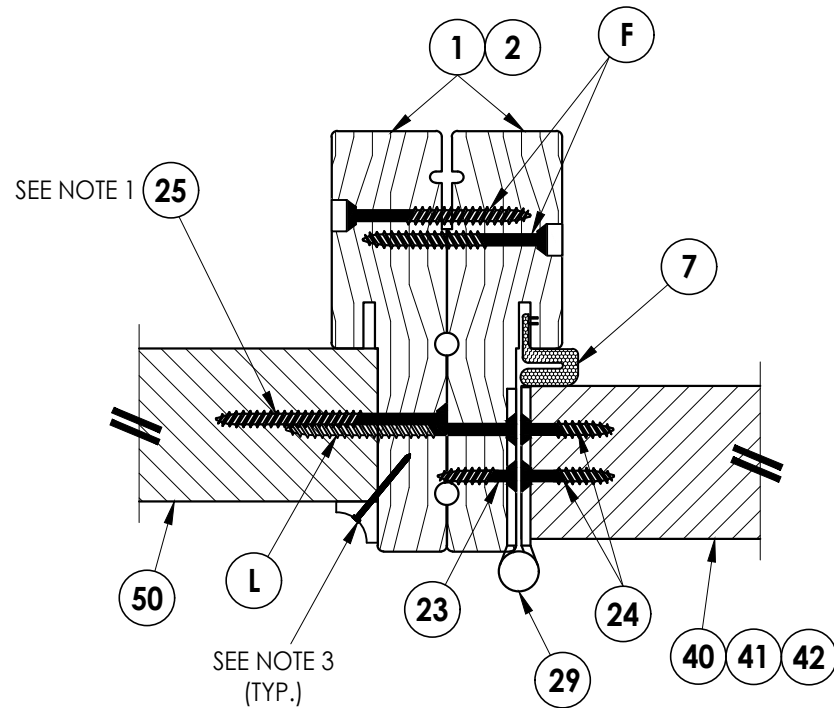
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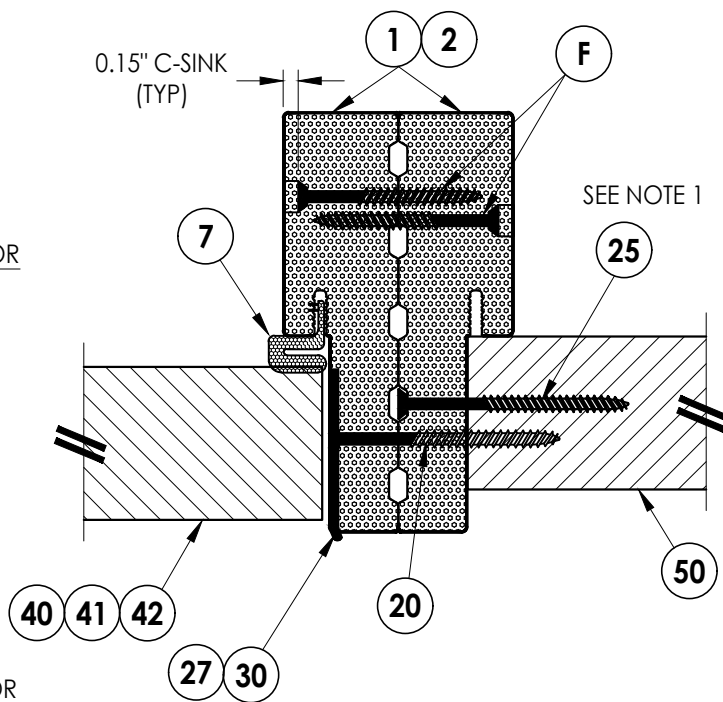
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



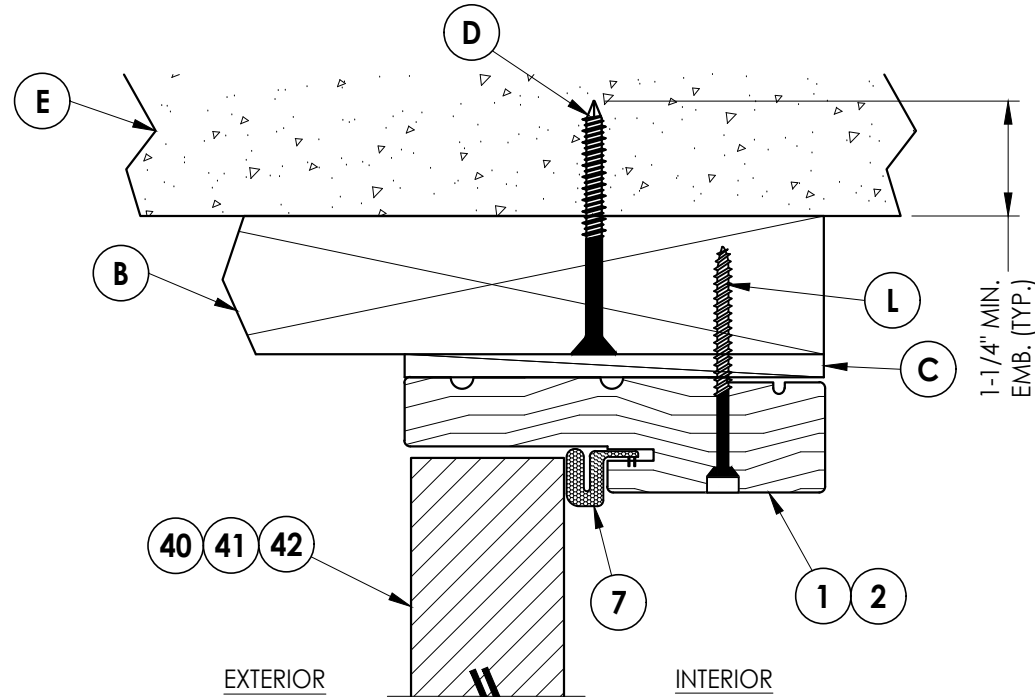
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5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



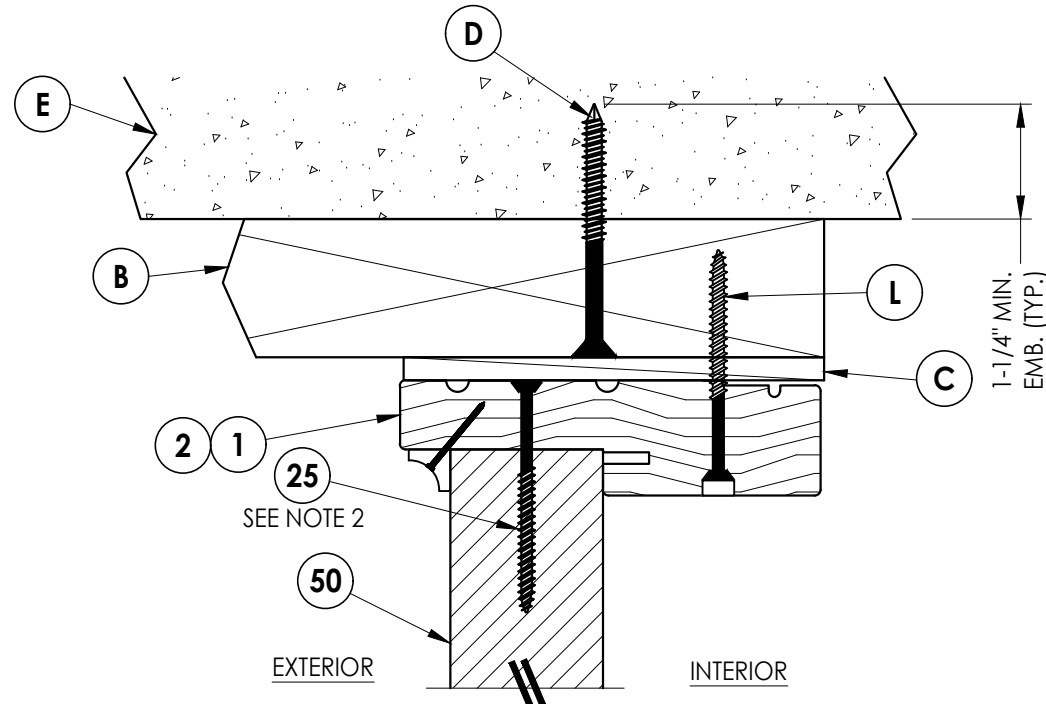
6
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

Notes:

1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb). Add an additional screw @ CL for Sidelites > 14" width.
3. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1' from ends & 10" o.c. max.



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



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

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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
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
2	7/01/26	LFS		UPDATE TO 9TH ED. (2026) FBC
1	7/20/23	LFS		UPDATE TO 8TH ED. (2023) FBC

DATE: 4/01/21

SCALE: N.T.S.

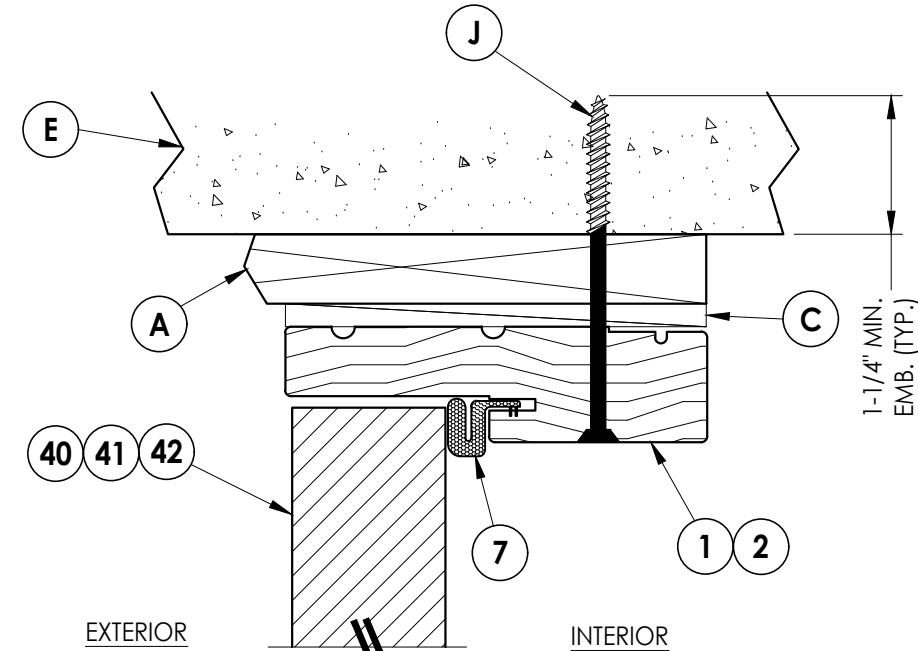
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CHK. BY: LFS

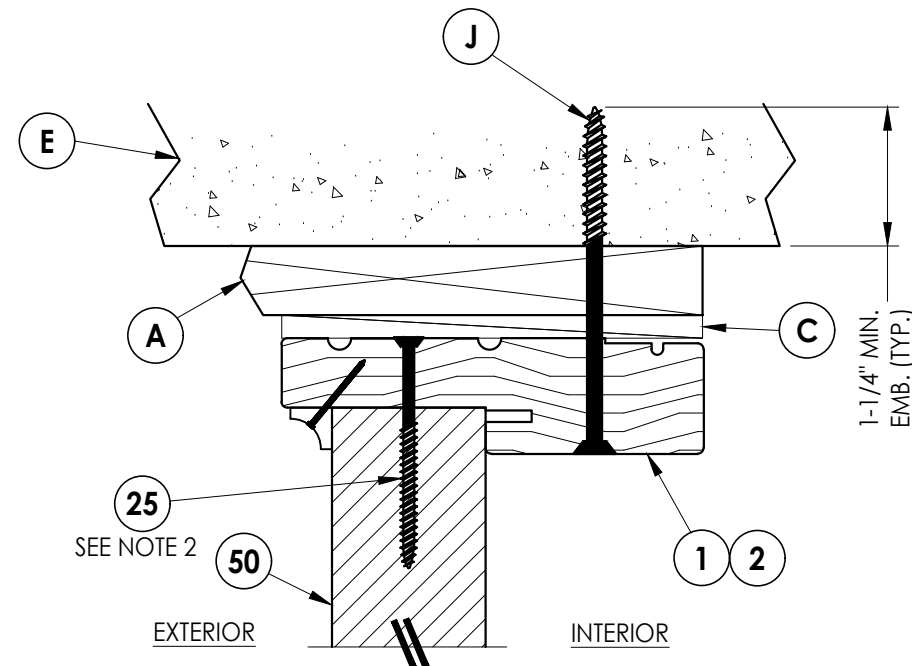
DRAWING NO.: FL-20468.14

SHEET 5 OF 13

1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb). Add an additional screw @ CL for Sidelites > 14" width.
3. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1' from ends & 10" o.c. max.



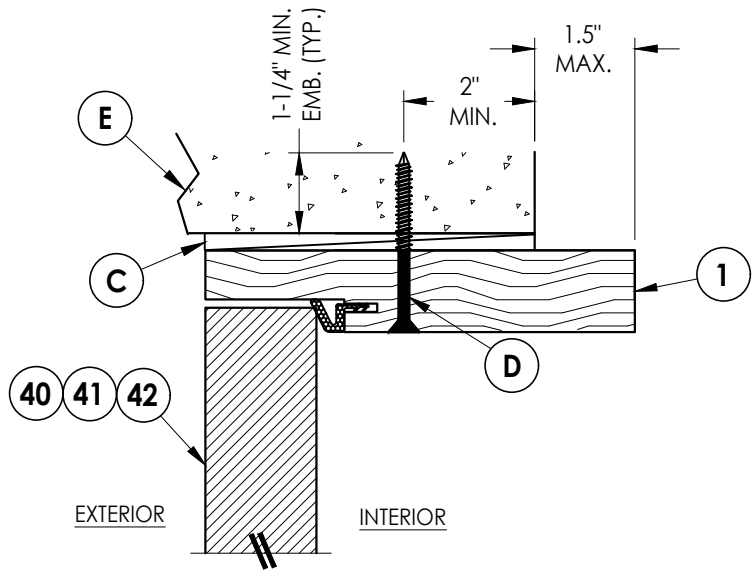
3 VERTICAL CROSS SECTION
6 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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

[illegible]

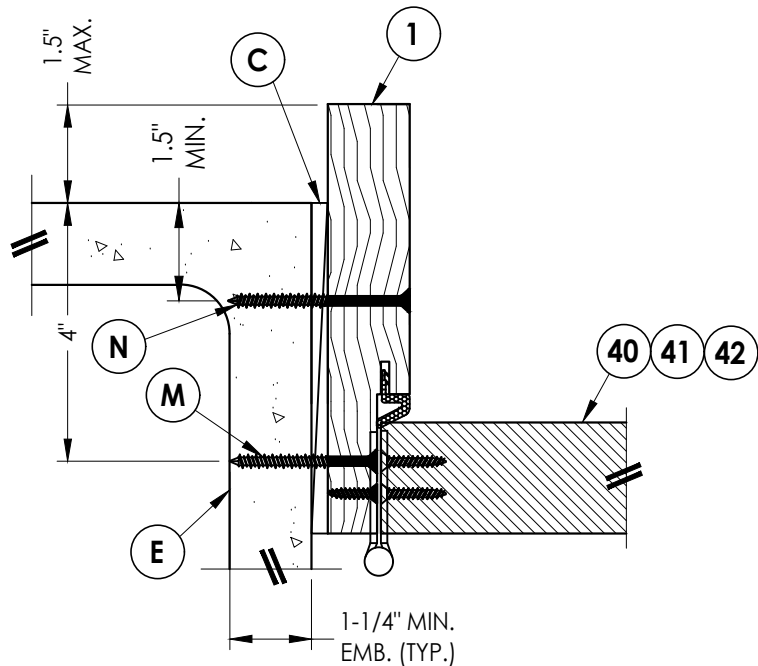
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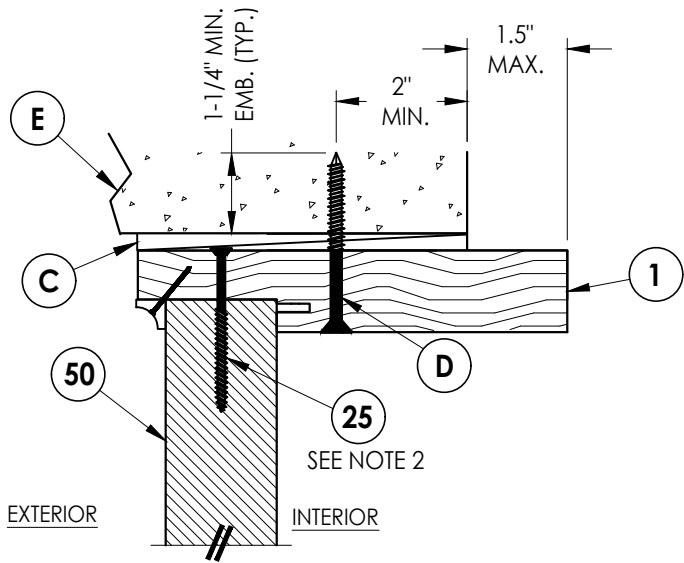
3 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

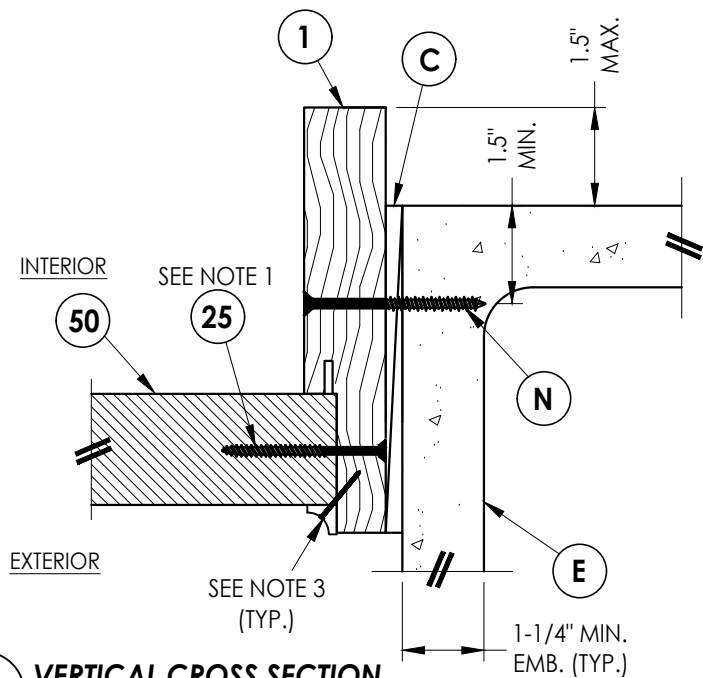
1. Sidelite assembly screws located 6" from each end plus 5 more equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb). Add an additional screw @ CL for Sidelites > 14" width
3. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



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



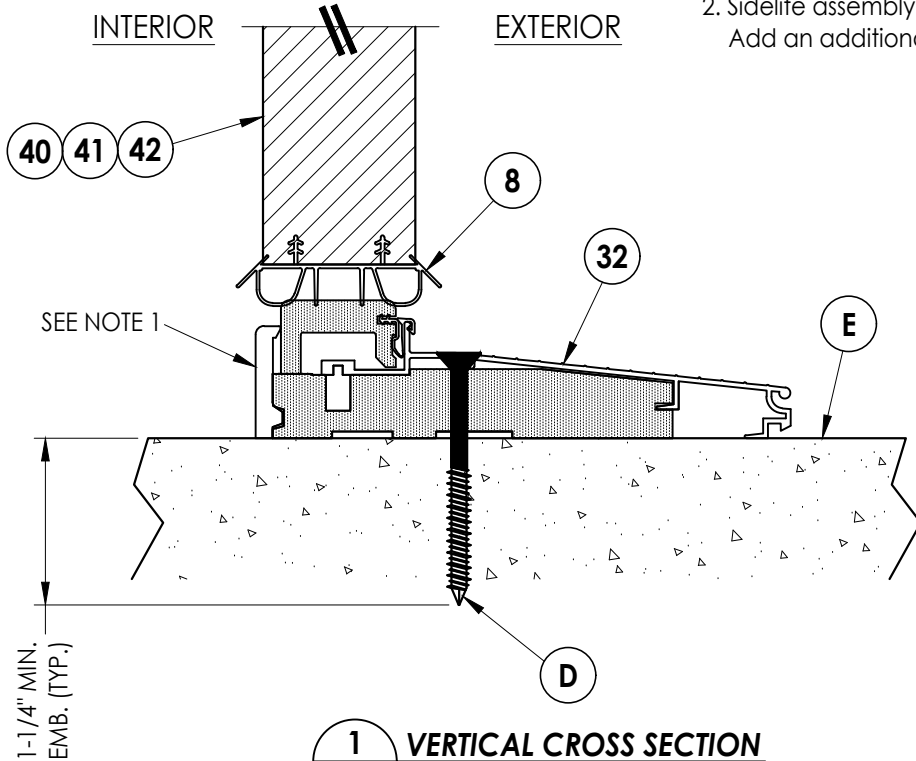
4 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



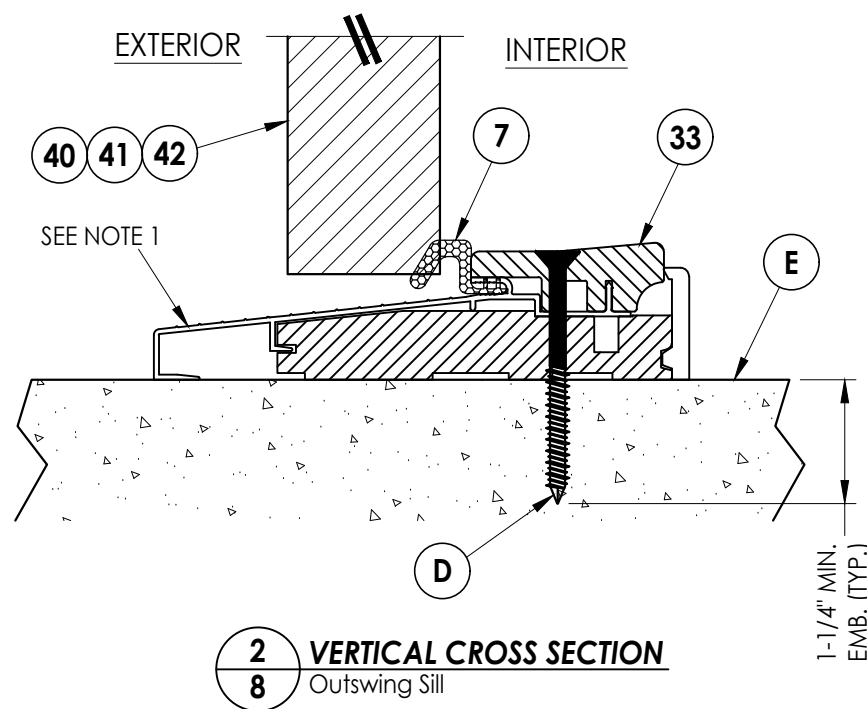
2 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)			
				2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
				1	7/20/23	UPDATE TO 8TH ED. (2023)	FBC LFS
				NO.	DATE		BY
				REVISIONS			
DATE: 8/02/16							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-20468.14							
SHEET 7 OF 13							

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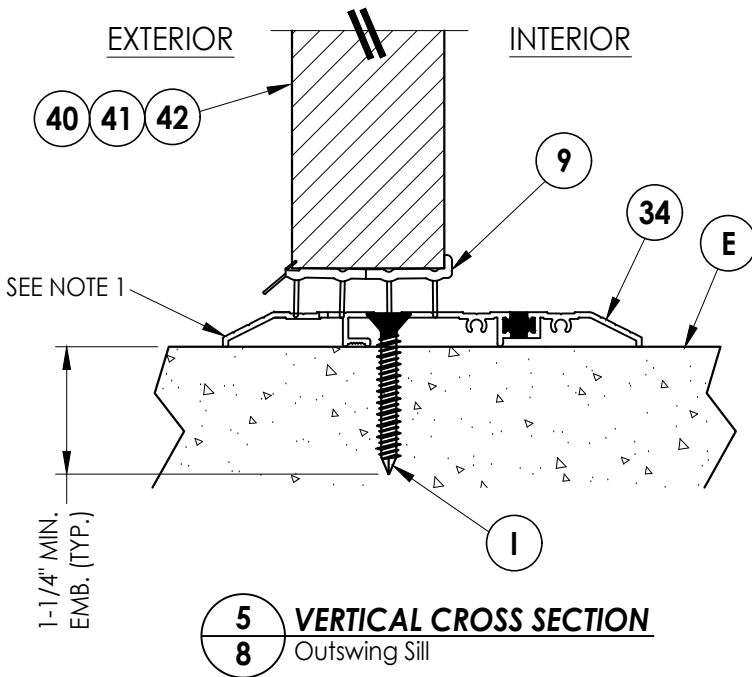


1
8 VERTICAL CROSS SECTION
Inswing Sill

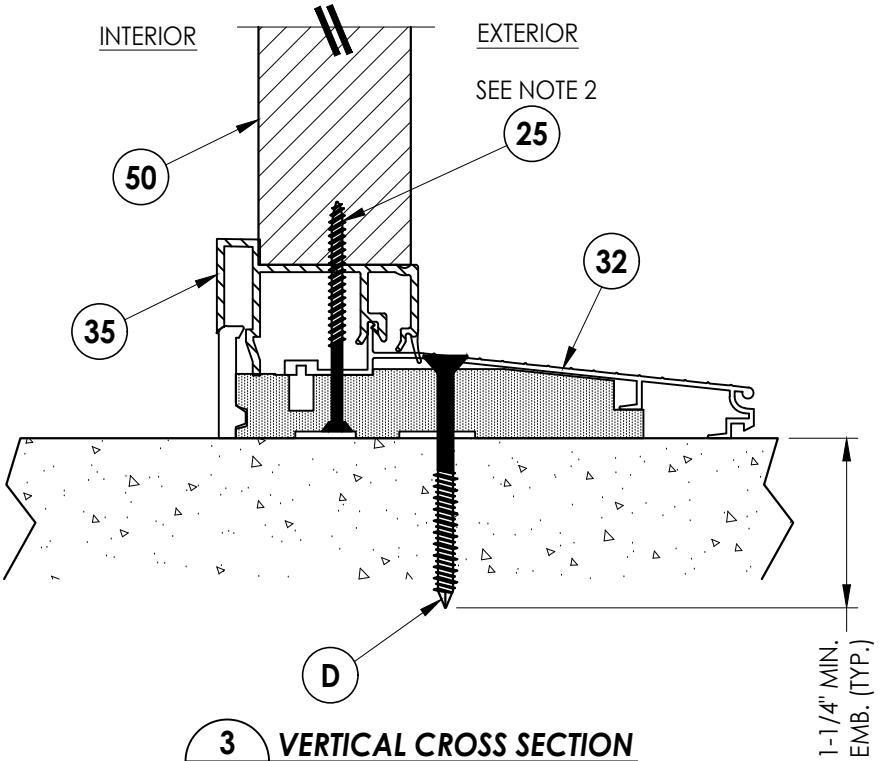


2
8 VERTICAL CROSS SECTION
Outswing Sill

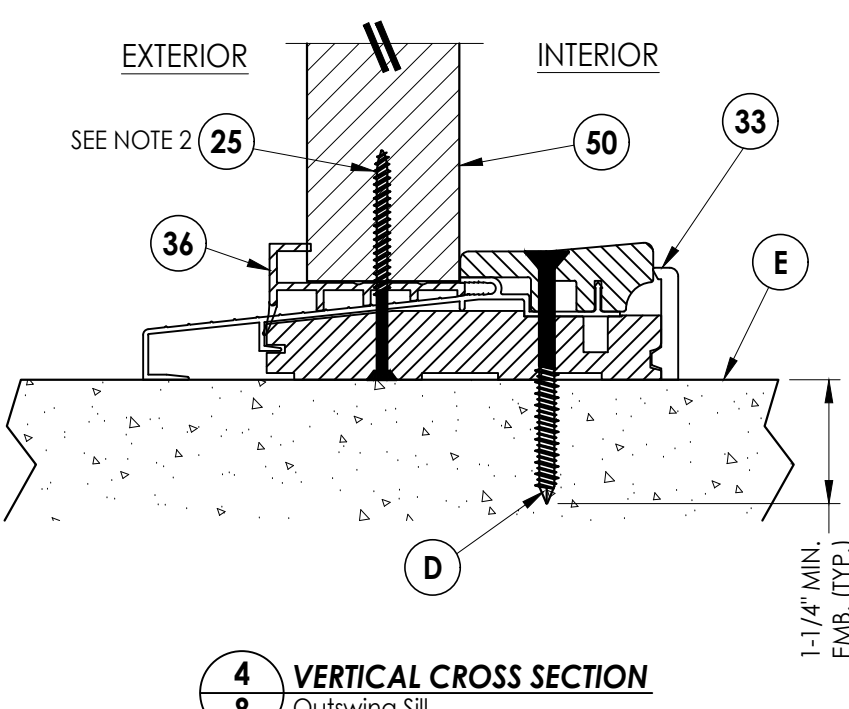
- Notes:
- Sill Item #32 is attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.
Sill Item #33 is attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
Sill Item #34 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.
 - Sidelite assembly screws located 3" from each end (2 screws along sill jamb).
Add an additional screw @ CL for Sidelites > 14" width.



5
8 VERTICAL CROSS SECTION
Outswing Sill



3
8 VERTICAL CROSS SECTION
Inswing Sill



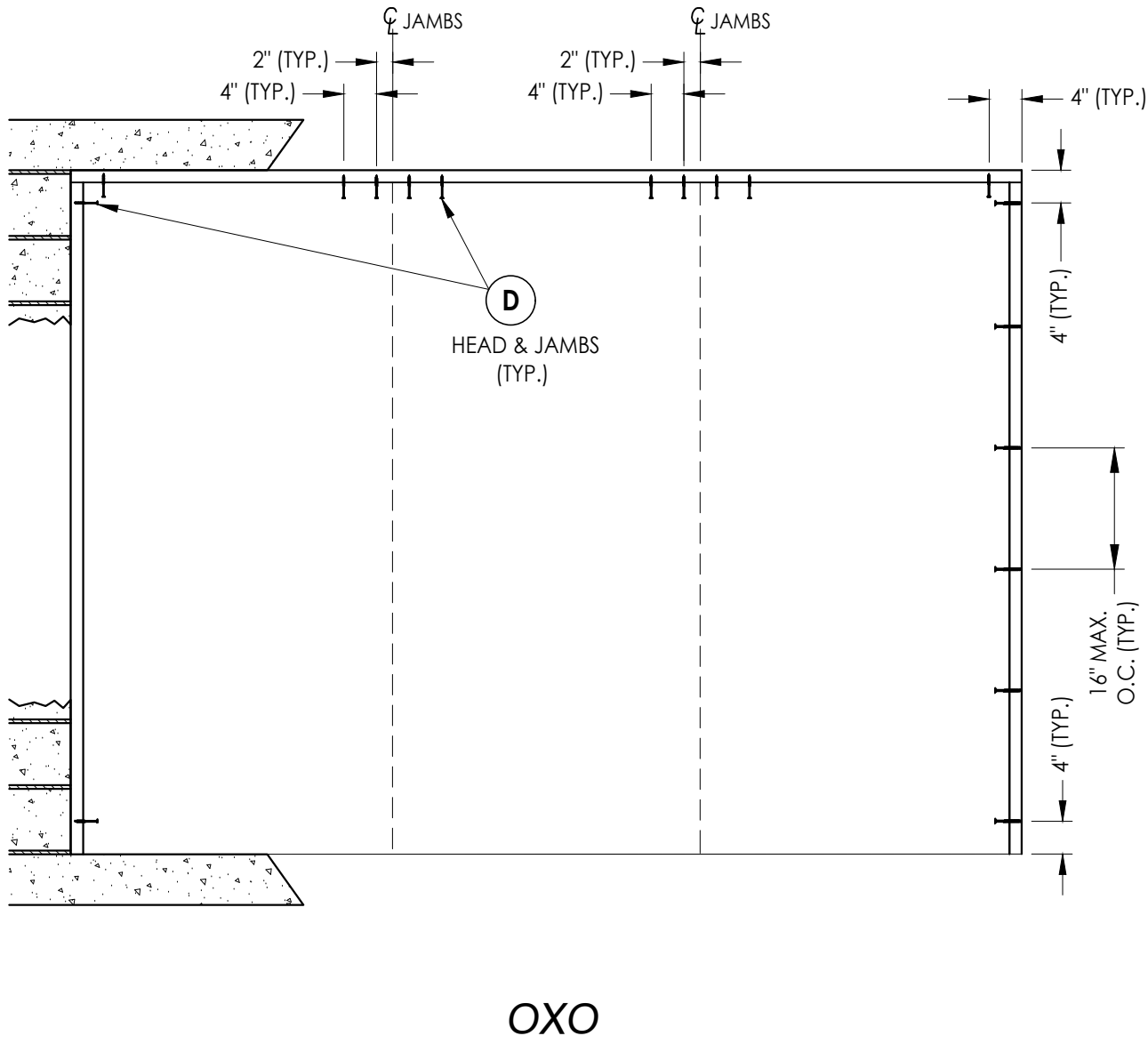
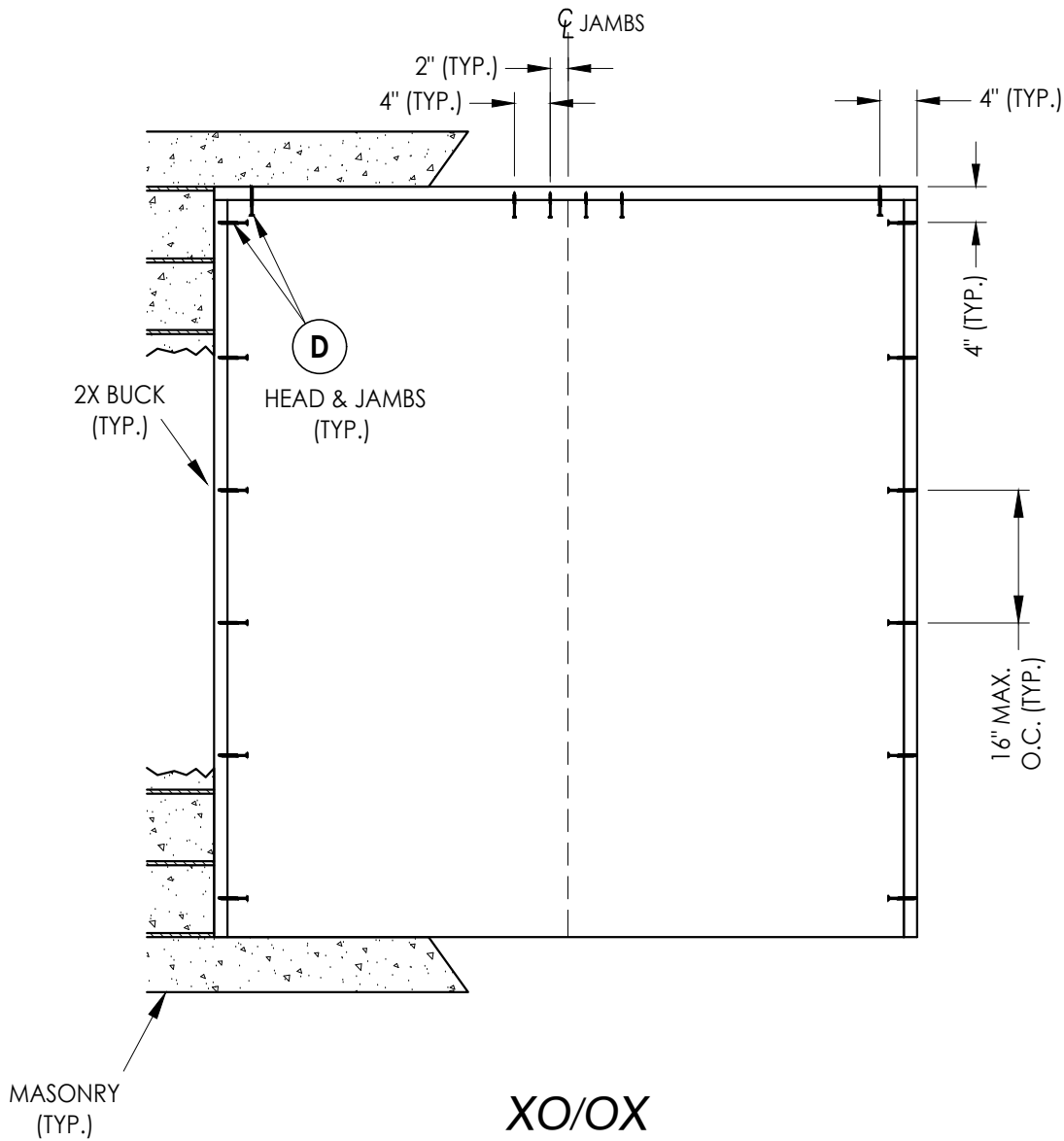
4
8 VERTICAL CROSS SECTION
Outswing Sill

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	
		LFS	BY
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	7/20/23	UPDATE TO 8TH ED. (2023)	FBC
DATE: 4/01/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-20468.14			
SHEET 8 OF 13			

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2X BUCK ANCHORING

DATE: 4/01/21	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-20468.14	
SHEET	9 OF 13

NO.		DATE		REVISIONS	
2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
1	7/20/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
					BY

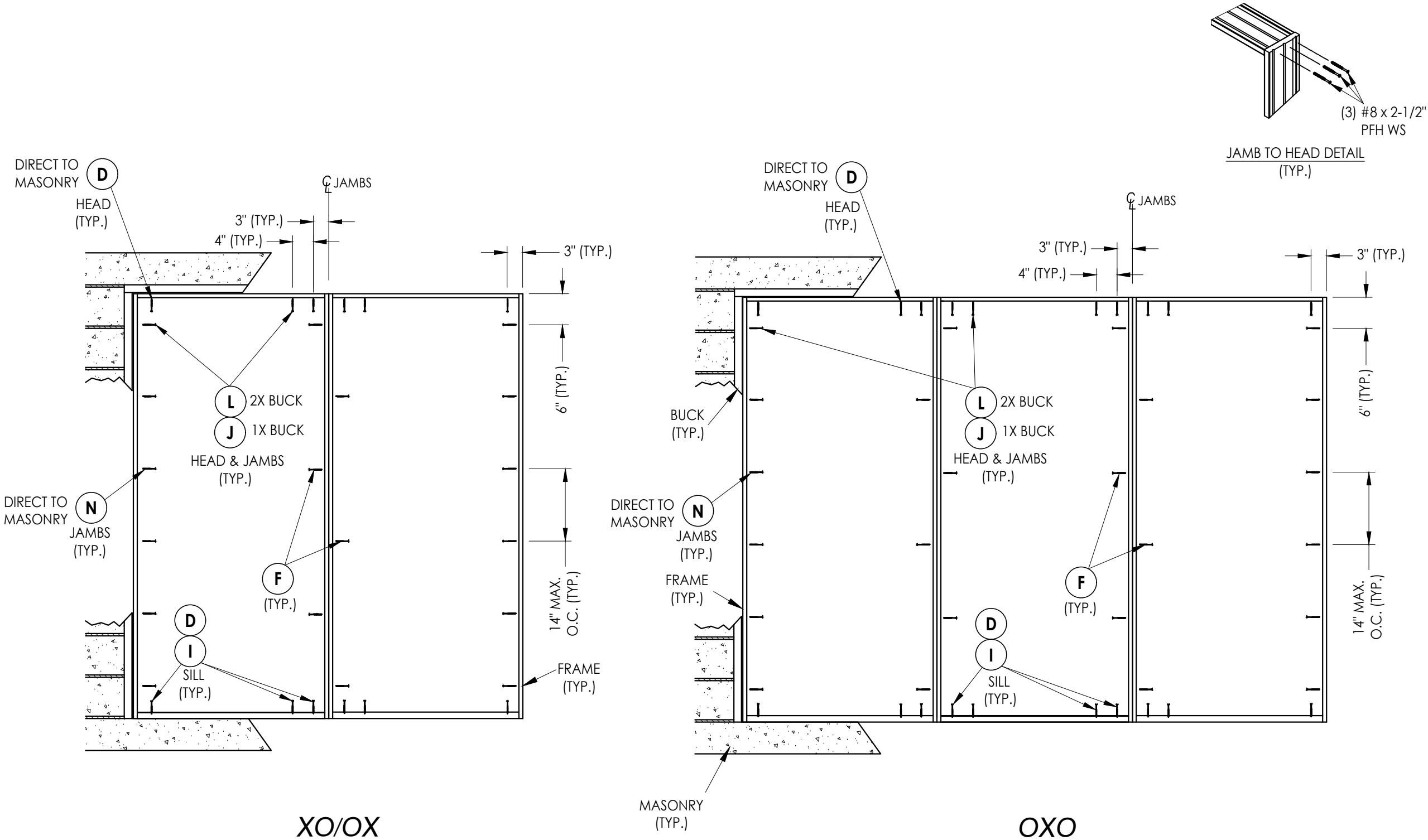
PRODUCT:	THERMA-TRU
	FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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

RW

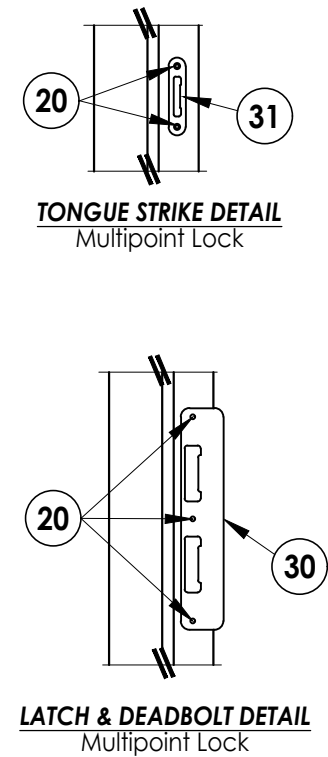
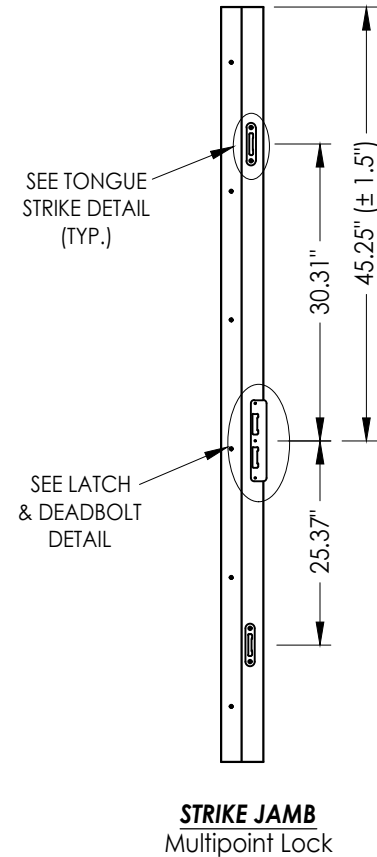
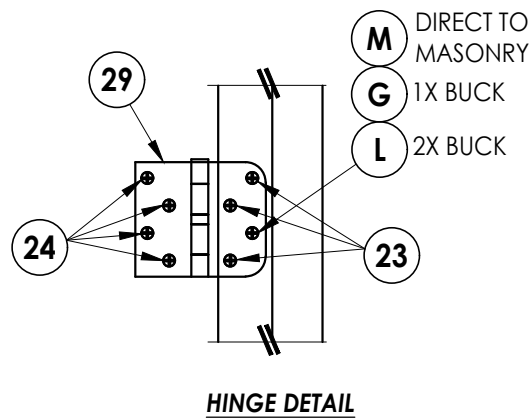
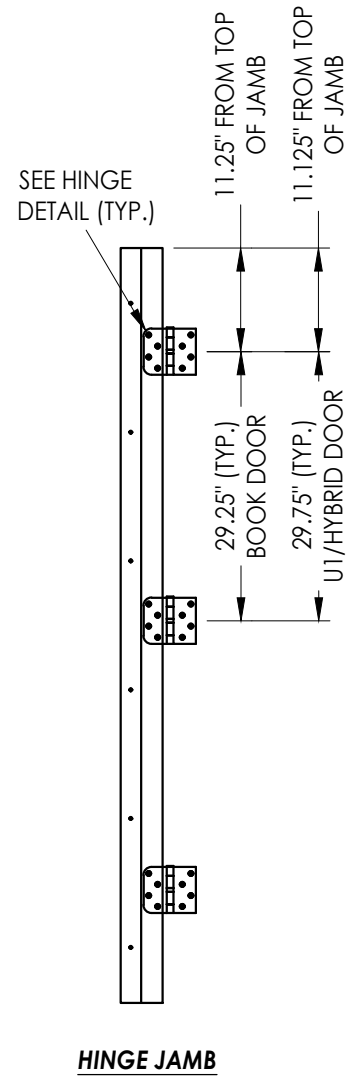
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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FRAME 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			
PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: FRAME ANCHORING			
				LFS	FBC		
				LFS	FBC		
				NO.	DATE		
				REVISIONS			
2	7/01/26	UPDATE TO 9TH ED. (2026)					
1	7/20/23	UPDATE TO 8TH ED. (2023)					
DATE: 4/01/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-20468.14							
SHEET 10 OF 13							



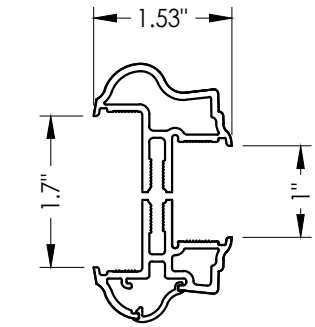
MULTIPOINT LOCK STRIKE DETAILS

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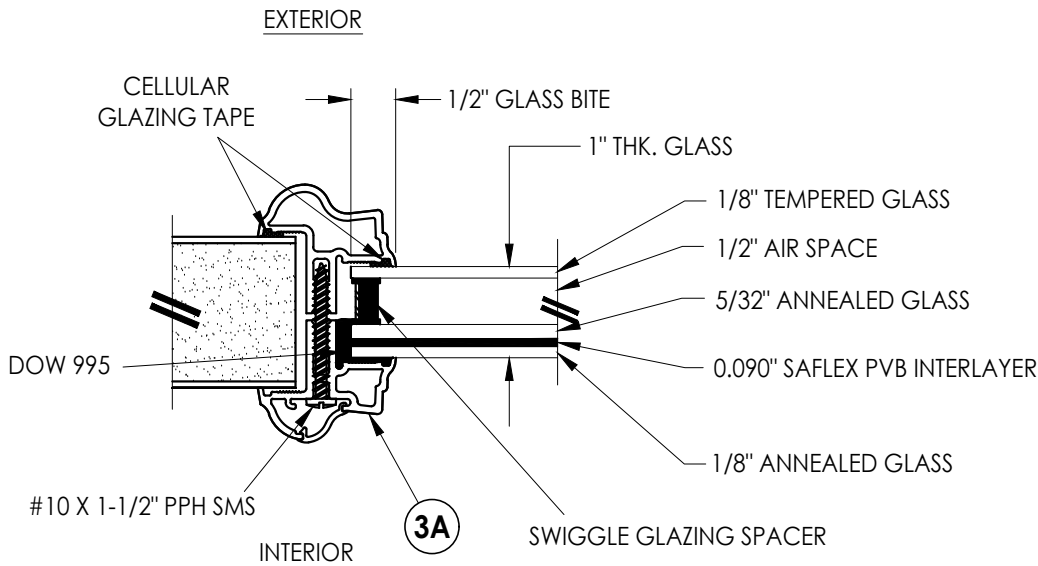
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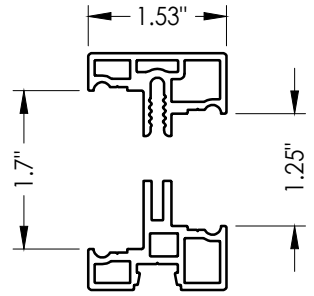
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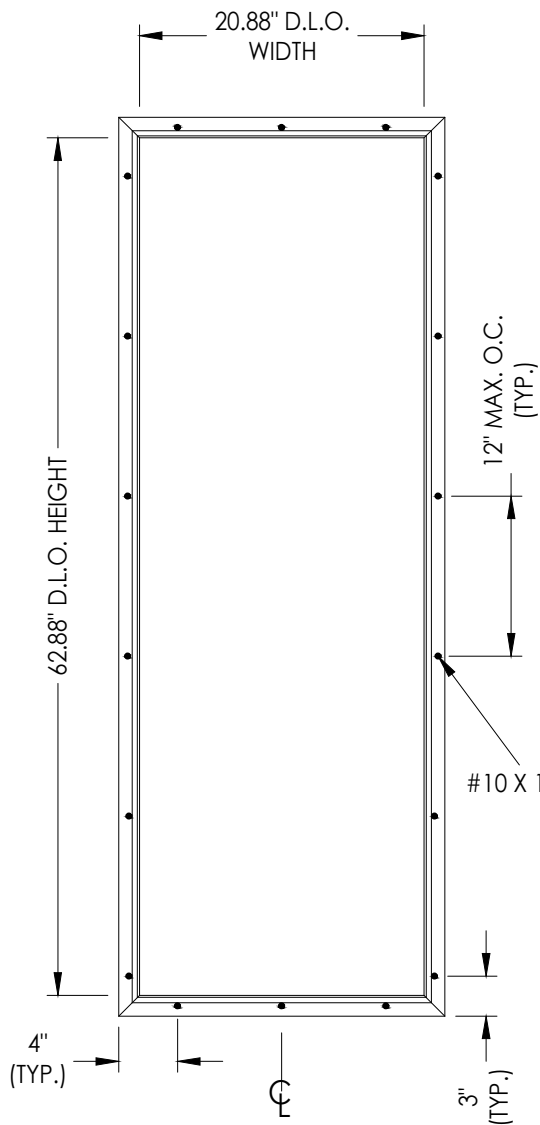
3A ALUMINUM FRAME
Aluminum Impact Lite Frame



G1 GLAZING DETAIL
Aluminum Impact Lite Frame



4A ALUMINUM FRAME
Aluminum Impact Lite Frame

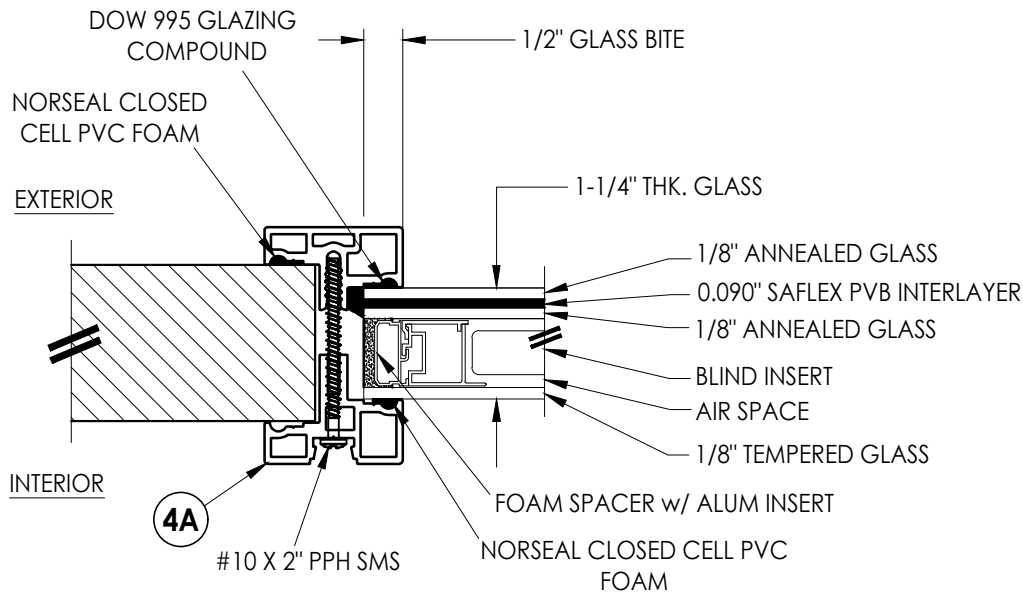


3A ALUMINUM LITE FRAME*
(w/ 1" Glazing)

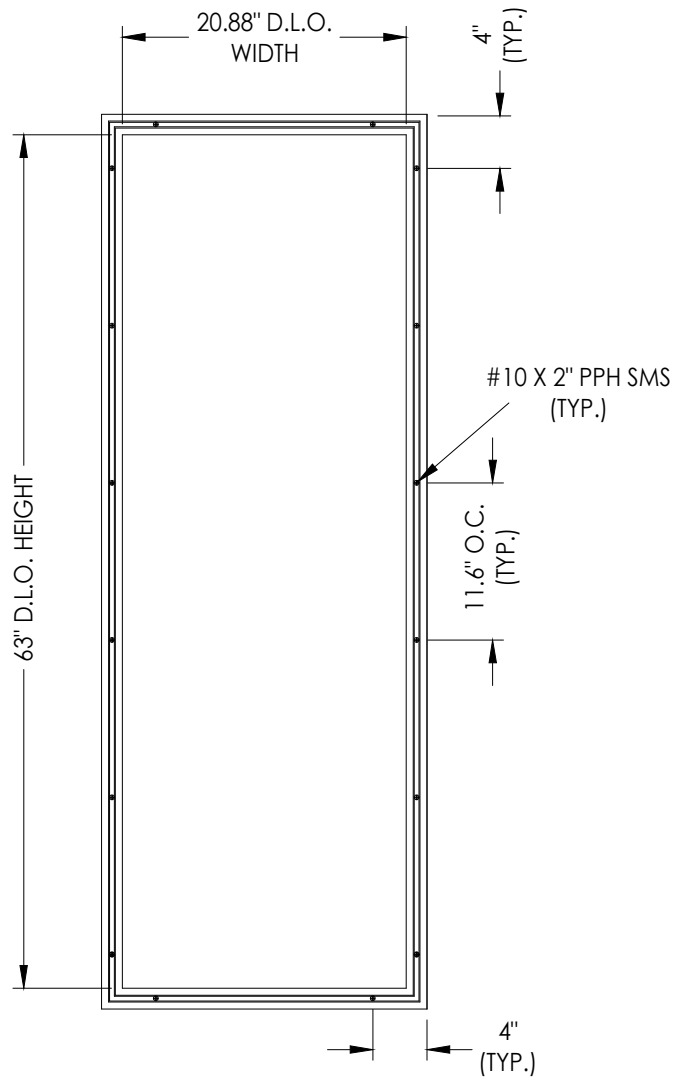
14" SIDELITE NOTES:

* 14" SIDELITE HAS ONLY 2 END SCREWS @ TOP & BOTTOM

** 14" SIDELITE HAS ONLY 1 SCREW @ CL @ TOP & BOTTOM



G2 GLAZING DETAIL
1-1/4" Insulated Laminated Glass
w/ Internal Blinds



4A ALUMINUM LITE FRAME**
(w/ 1-1/4" Glazing)

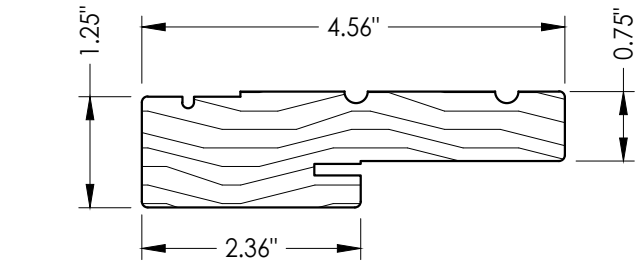
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

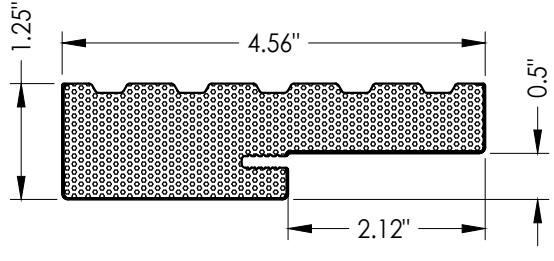
PRODUCT:		THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY:		LITE FRAME & GLAZING DETAILS	
NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
1	7/20/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
REVISIONS							
DATE: 4/01/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-20468.14							
SHEET 12 OF 13							

Z:\2023 FBC Drawings\Therma-Tru\FL-20468 R7\FL-20468.13-15.dwg

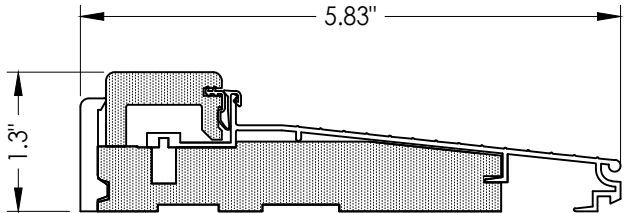
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH 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
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
20	#8 X 2-1/2" PFH WOOD SCREW	STEEL
21	#12 X 1-1/2" PFH WOOD SCREW	STEEL
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
28A	DEADBOLT SUB-STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	LATCH & DEADBOLT STRIKE PLATE	STEEL
31	MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	OUTSWING THRESHOLD	ALUM/COMP
34	PUBLIC ACCESS THRESHOLD	ALUM
35	SIDELITE SPACER (INSWING)	VINYL
36	SIDELITE SPACER (OUTSWING)	VINYL
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-



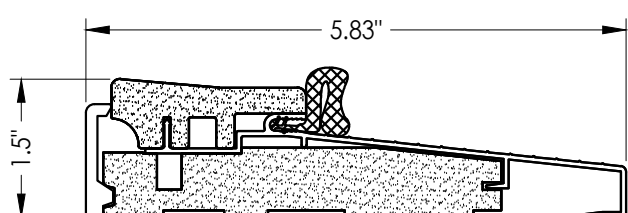
1 WOOD JAMB



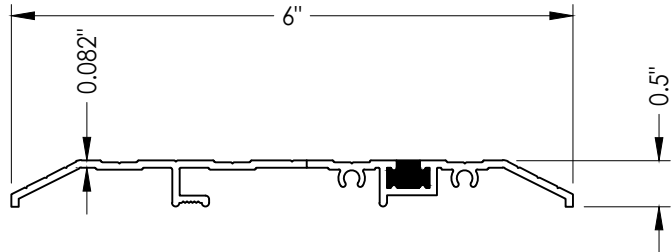
2 COMPOSITE JAMB



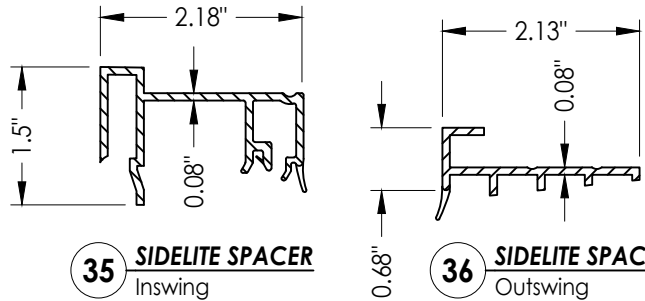
32 INSWING THRESHOLD
Adjustable Composite Sill



33 OUTSWING THRESHOLD
Composite Sill

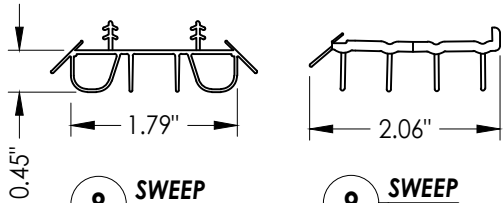


34 PUBLIC ACCESS THRESHOLD



35 SIDELITE SPACER
Inswing

36 SIDELITE SPACER
Outswing



8 SWEEP

9 SWEEP

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.

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	7/20/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 4/01/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-20468.14

SHEET 13 OF 13