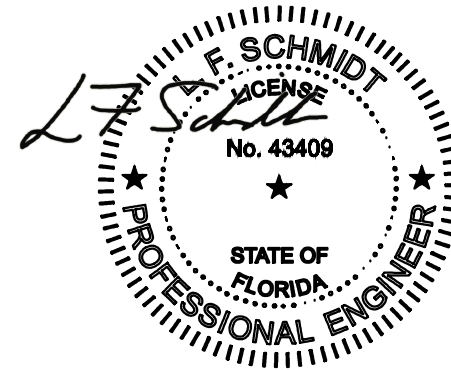
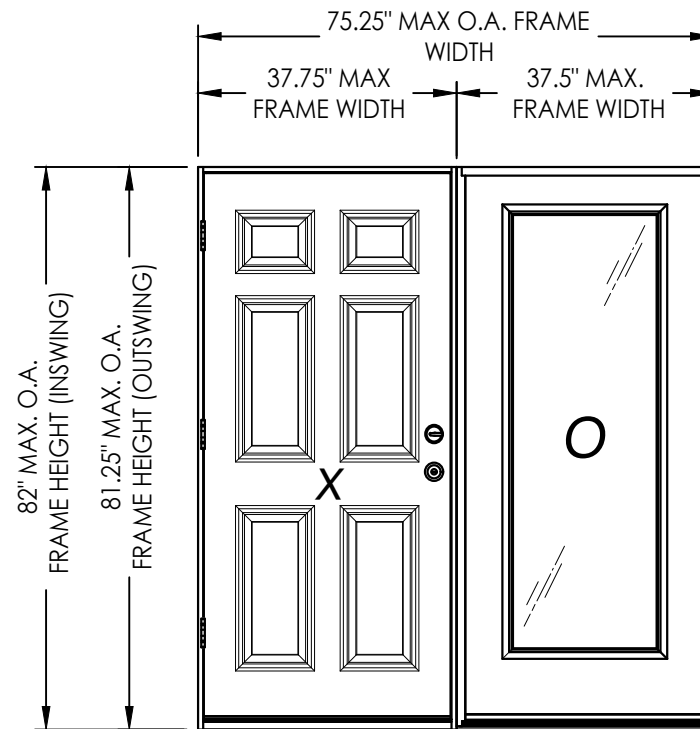


GENERAL NOTES

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.

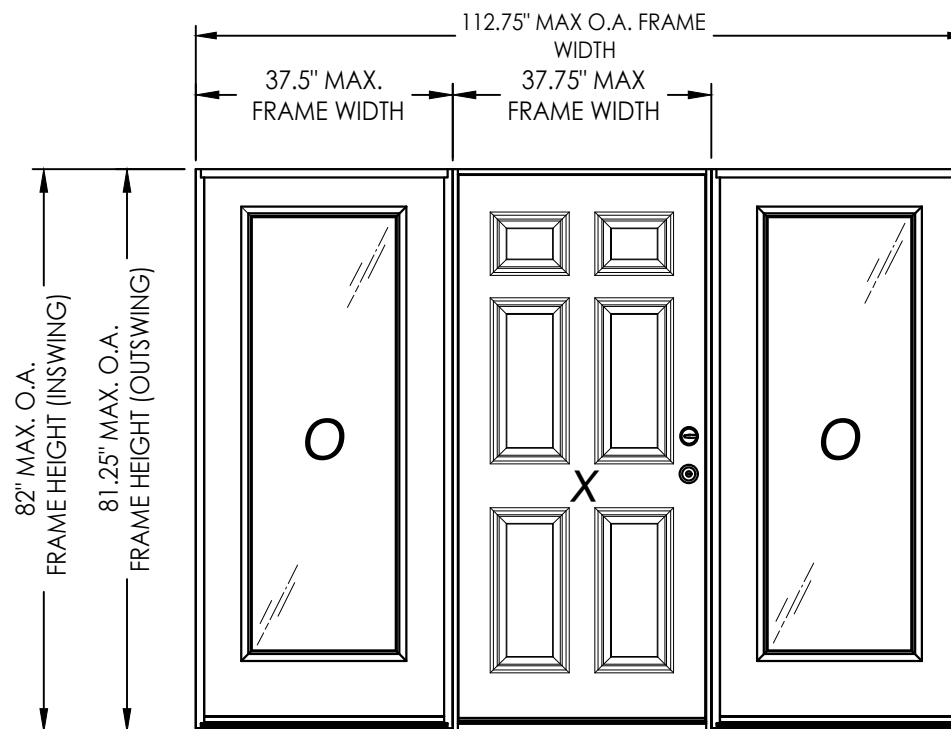
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to 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 14:47:51 -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.

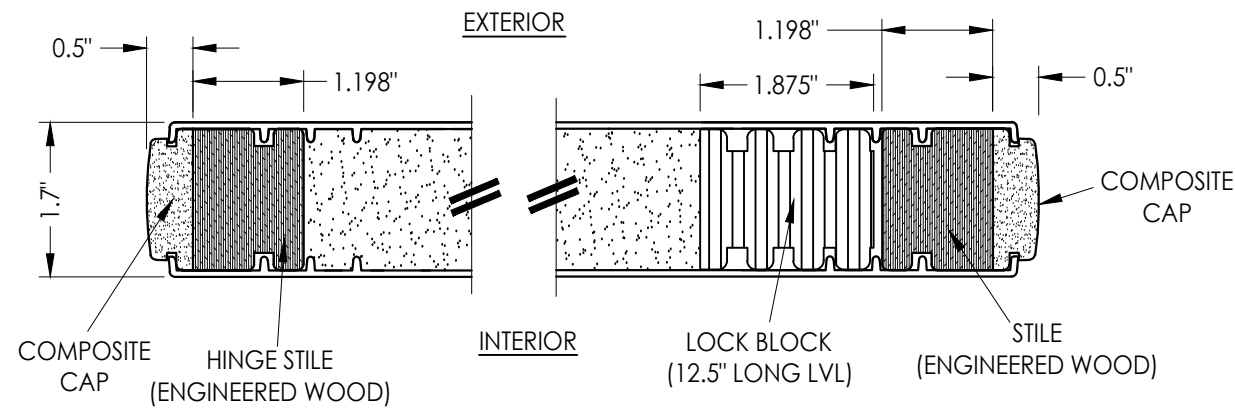
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



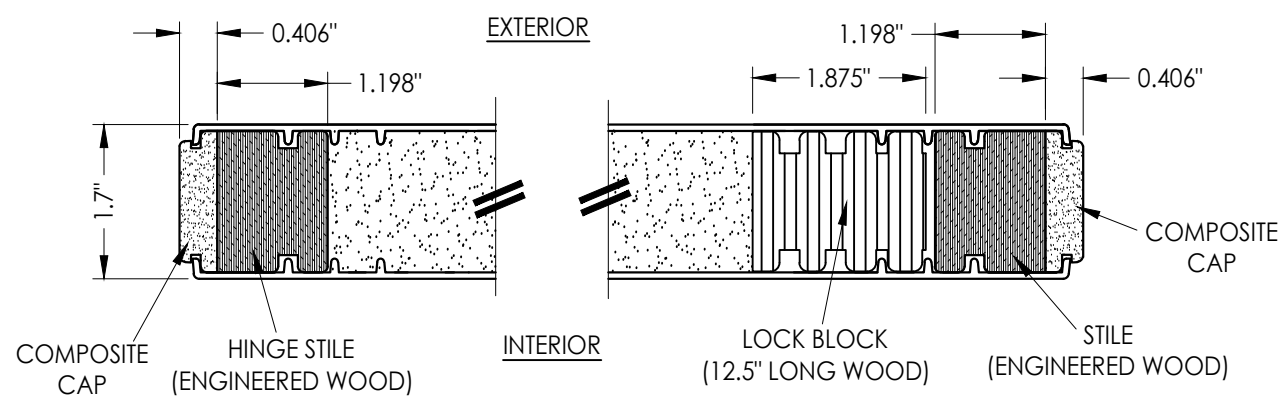
CONFIGURATION	LOCK TYPE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	LATCH & DEADBOLT	+55.0	-65.0	+60.0	-60.0
	MULTIPOINT LOCK	+50.0	-50.0	+50.0	-50.0

[illegible]

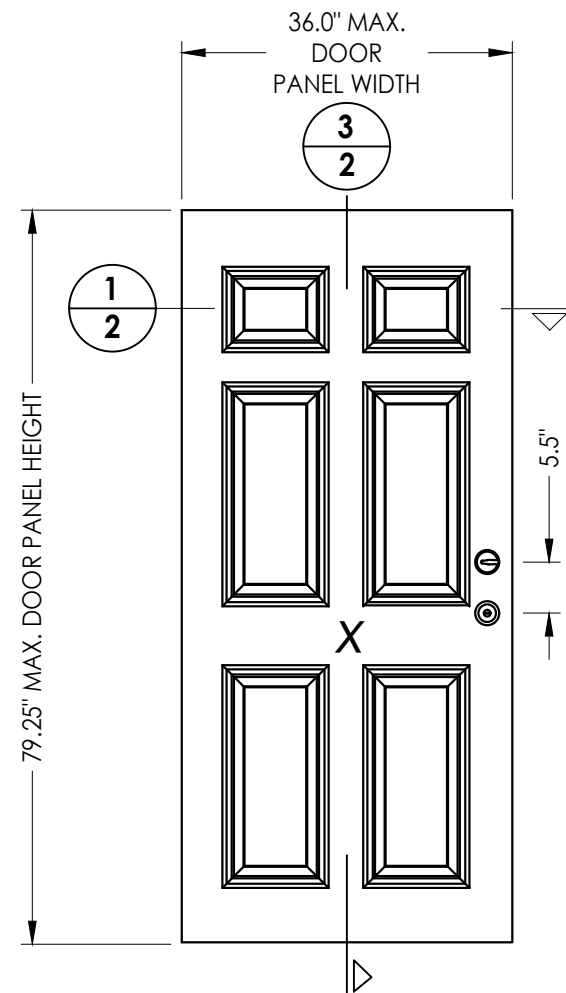
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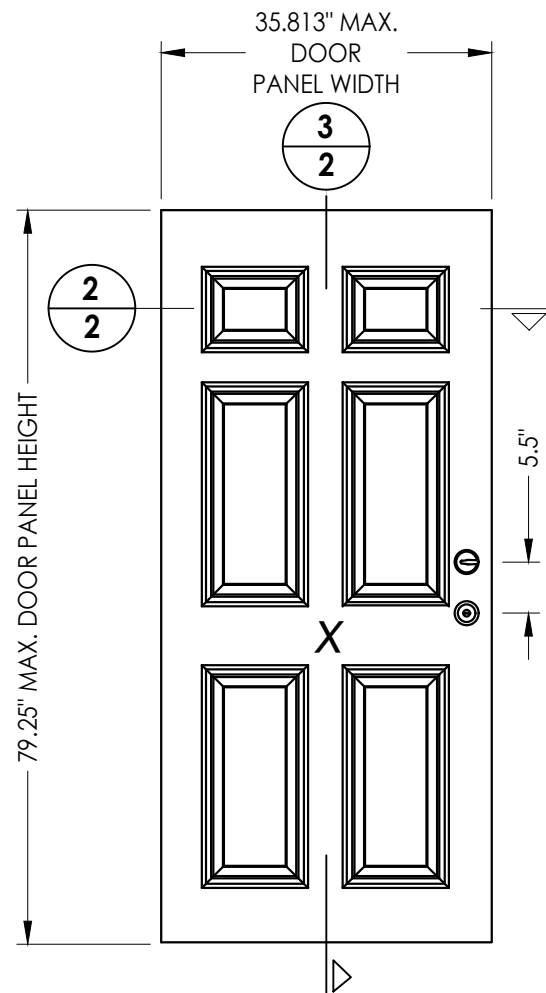
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2 HORIZONTAL CROSS SECTION



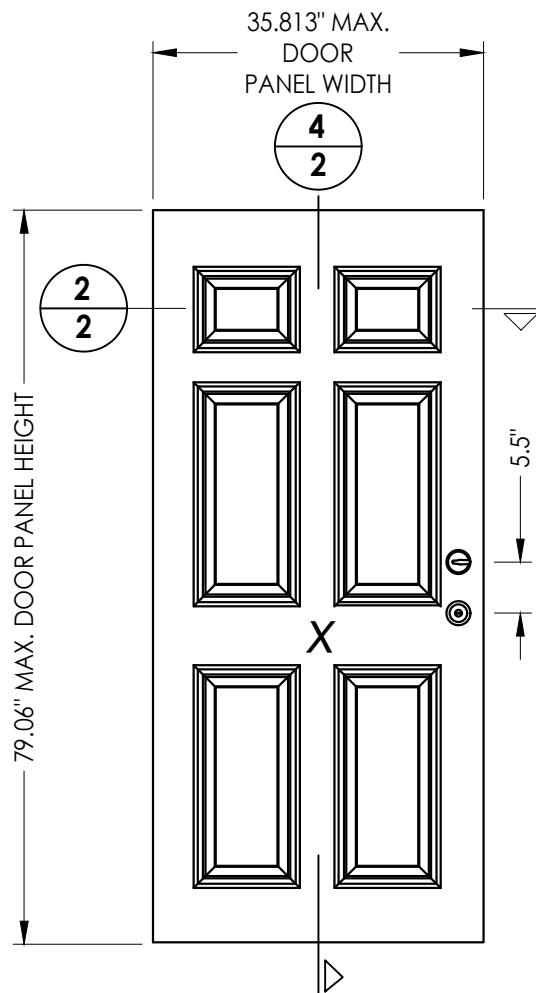
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2 HORIZONTAL CROSS SECTION



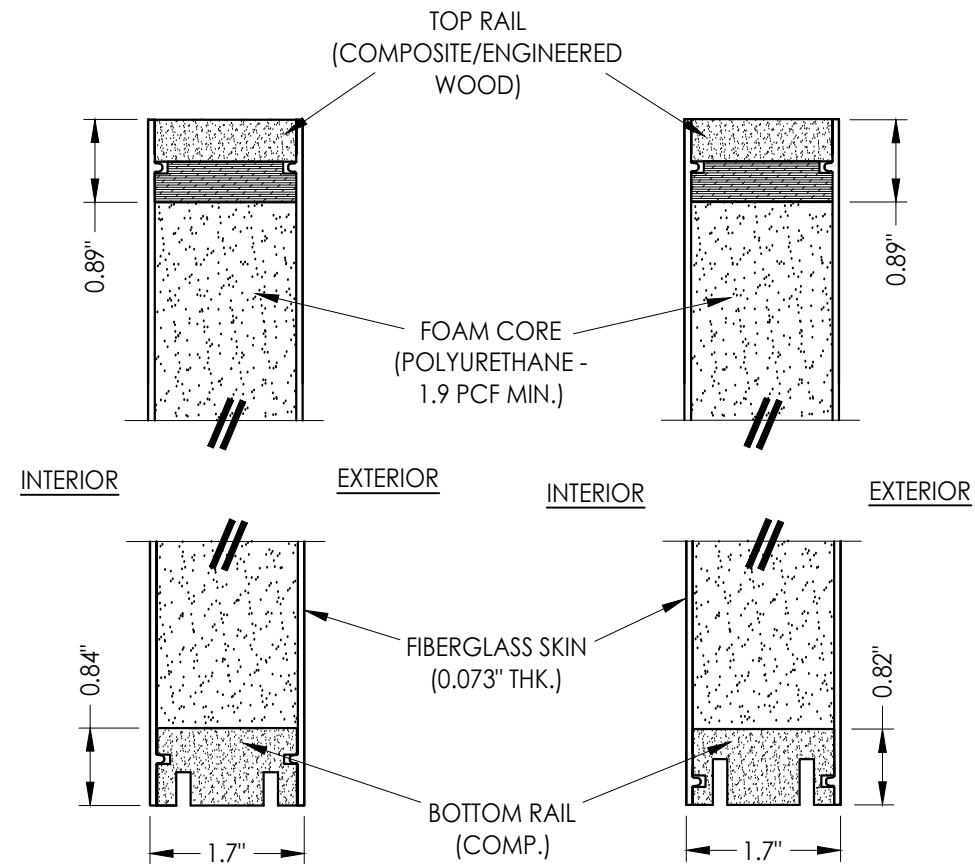
40 DOOR PANEL
BOOK



41 DOOR PANEL
Hybrid Door



42 DOOR PANEL
U1 Door

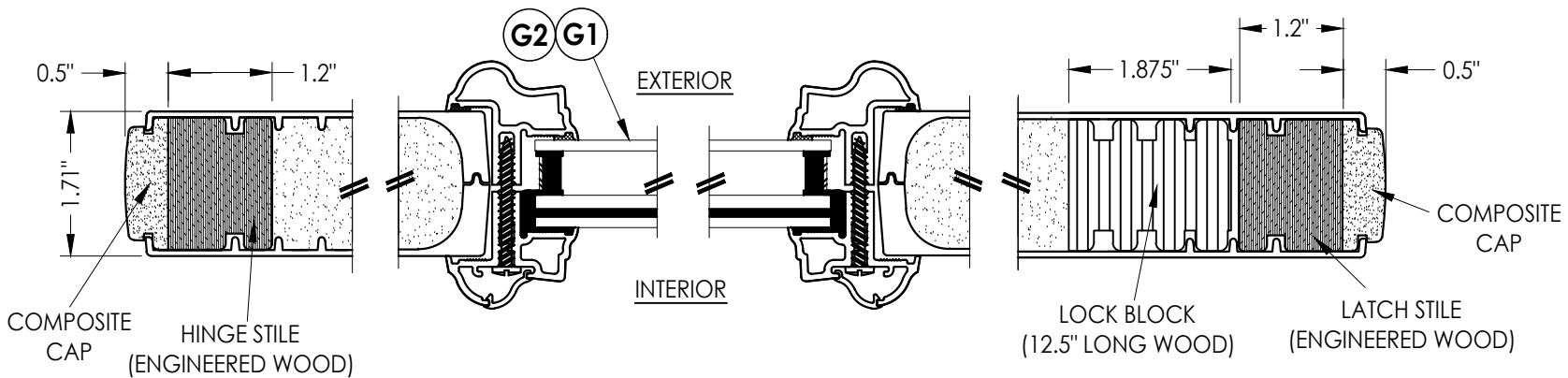


3
2 VERTICAL CROSS SECTION

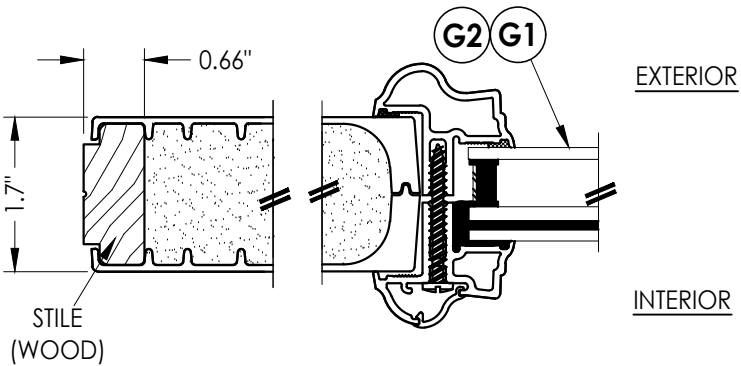
4
2 VERTICAL CROSS SECTION

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: DOOR PANEL DETAILS	
		LFS	BY
		UPDATE TO 9TH ED. (2026)	FBC
		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-20467.16			
SHEET 2 OF 13			

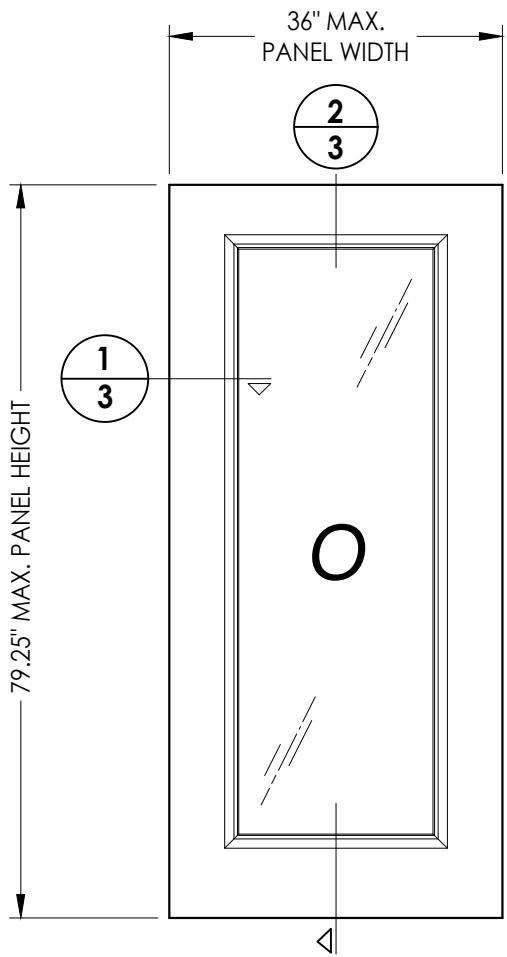
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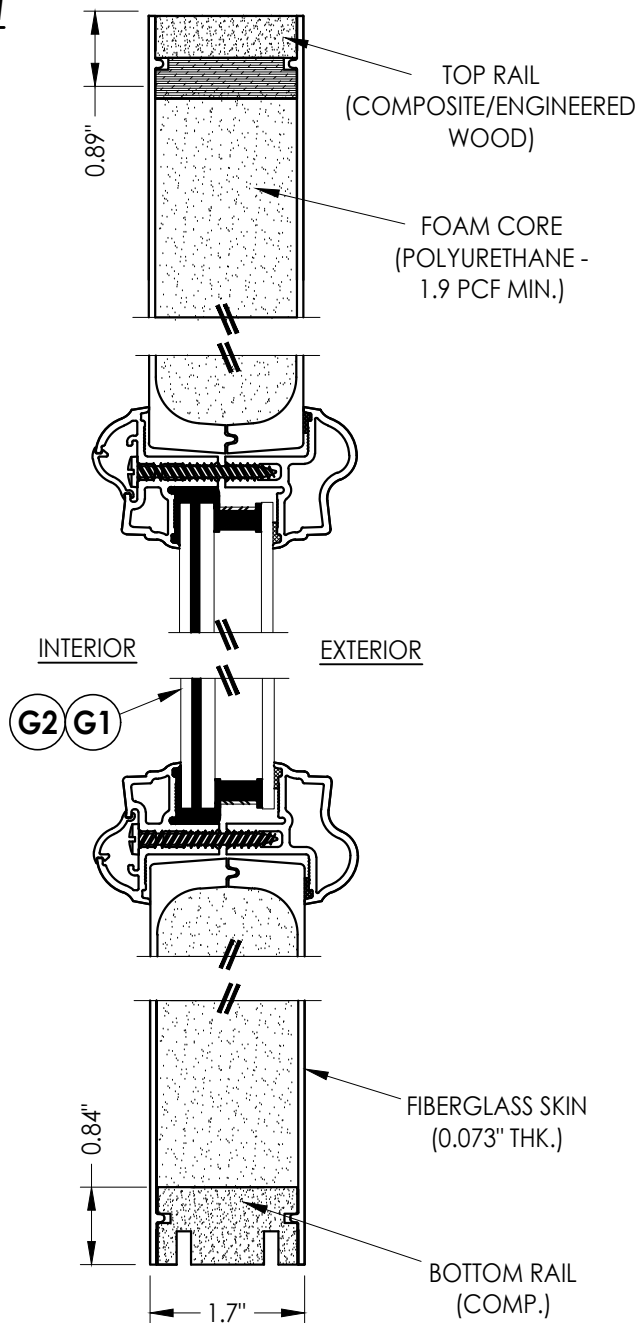
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3 HORIZONTAL CROSS SECTION



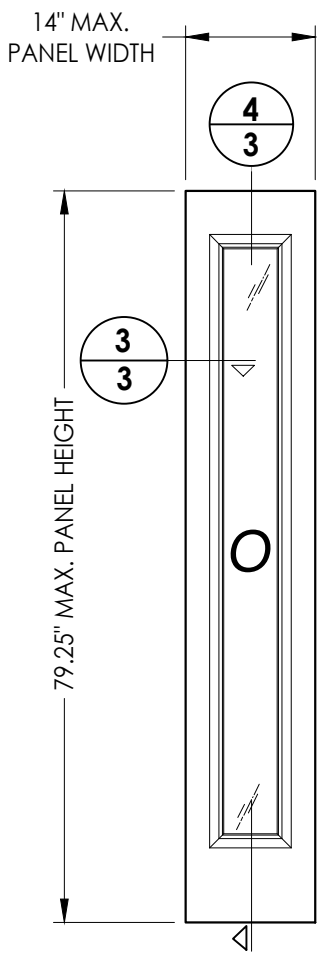
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3 HORIZONTAL CROSS SECTION



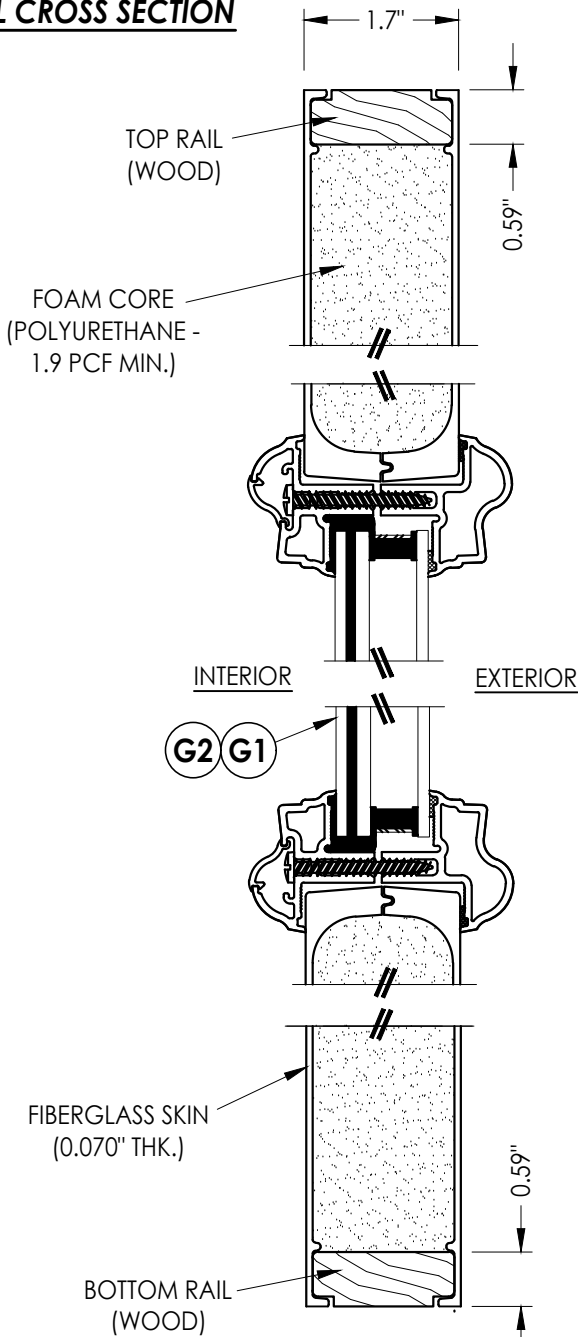
50 SIDELITE PANEL
36" Sidelite



2
3 VERTICAL CROSS SECTION



50 SIDELITE PANEL
14" Sidelite



4
3 VERTICAL CROSS SECTION

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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 DETAILS

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

DATE: 4/01/21

SCALE: N.T.S.

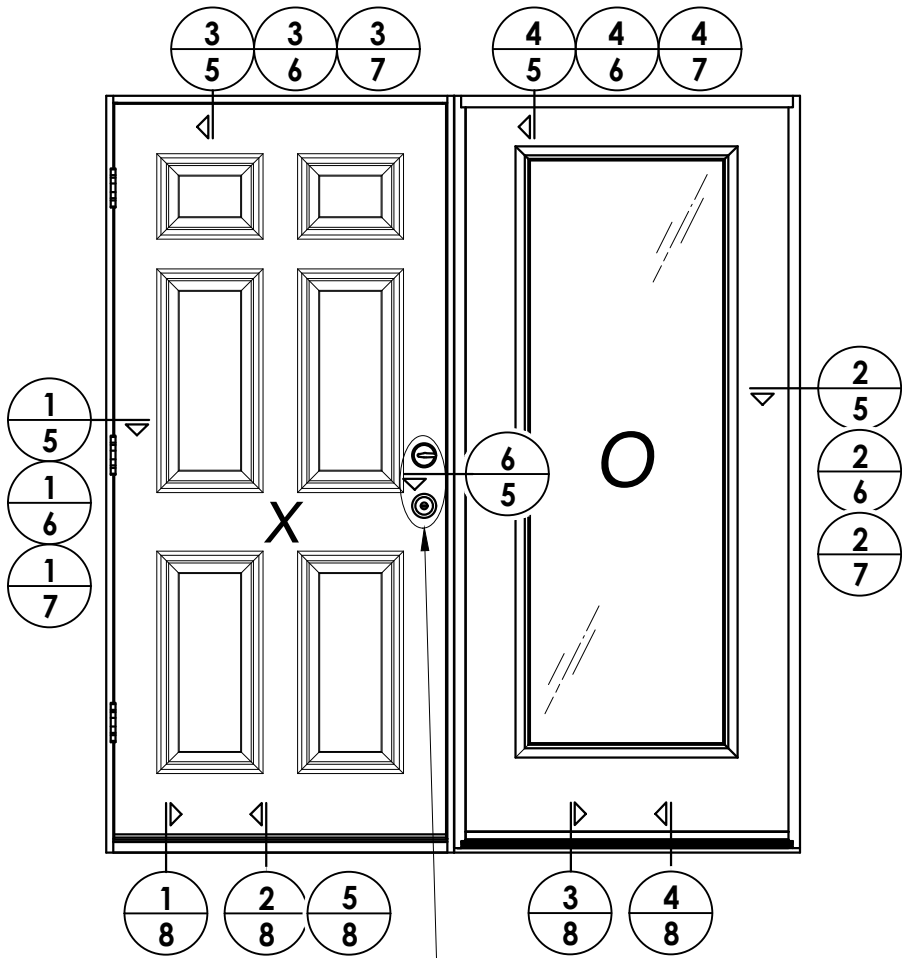
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CHK. BY: LFS

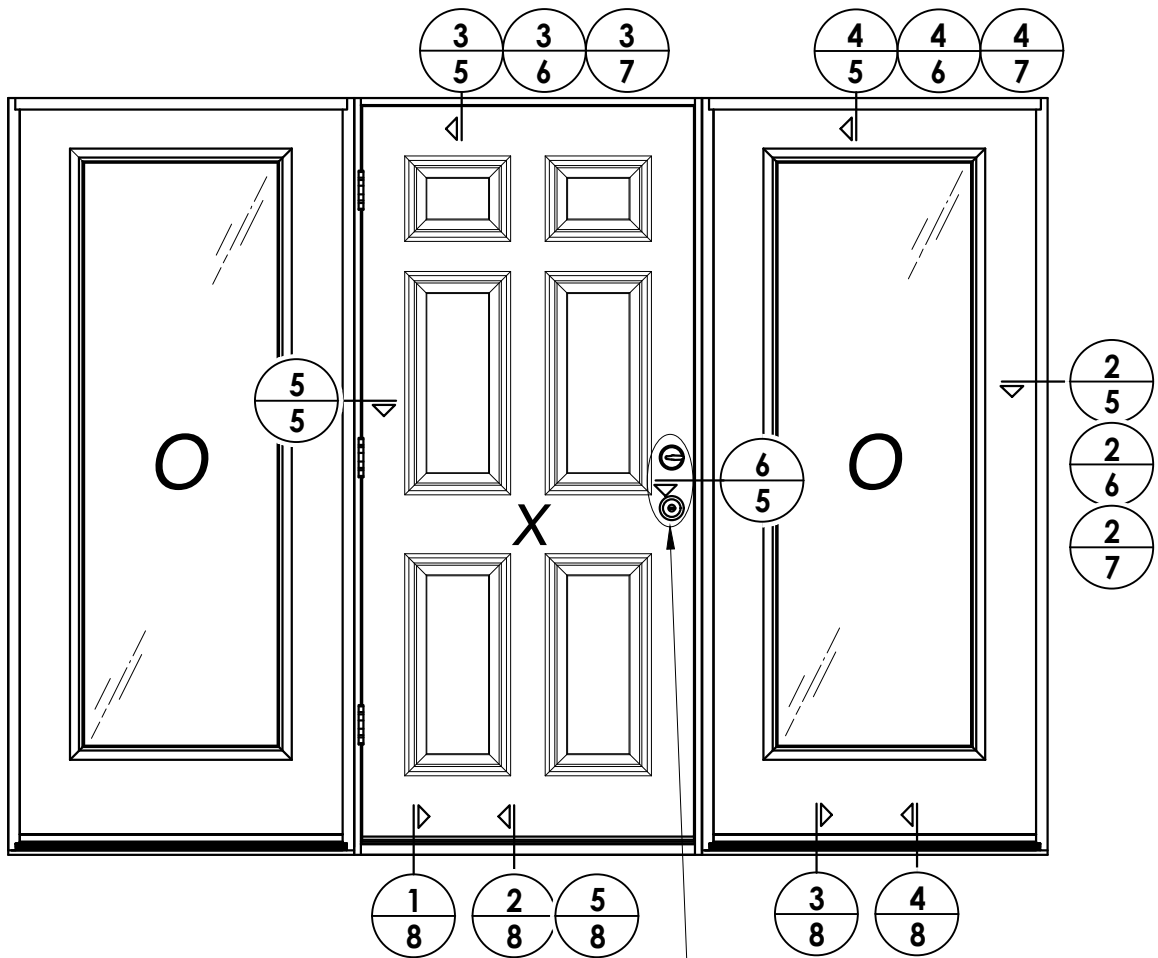
DRAWING NO.: FL-20467.16

SHEET 3 OF 13

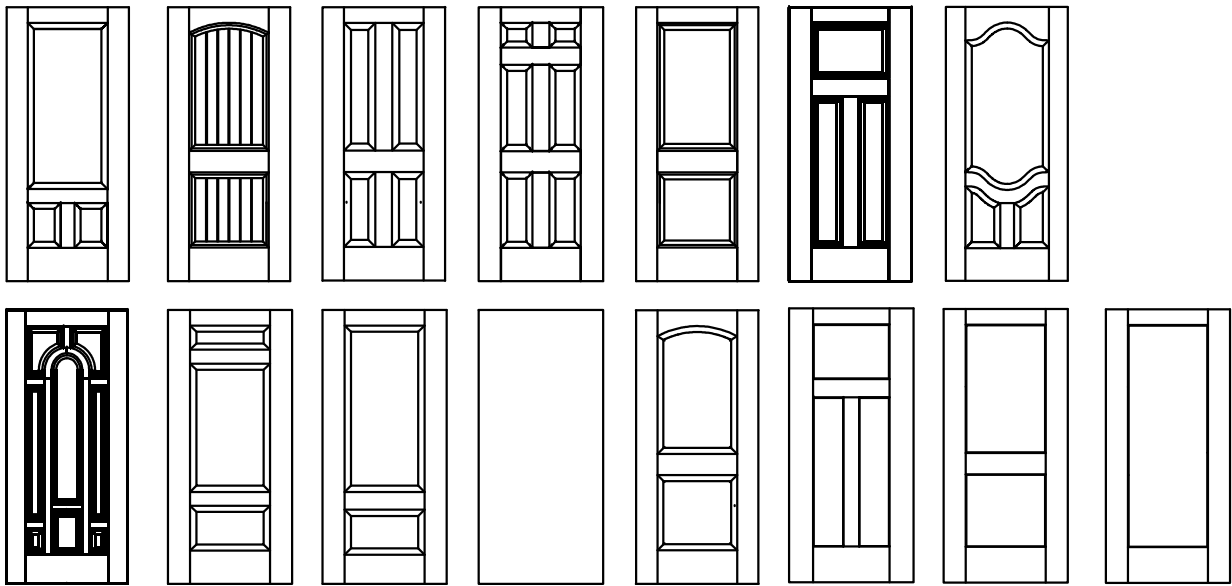
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ELEVATION
XO



ELEVATION
OXO



Fiber-Classic/Smooth-Star Door Panel Options

Products approved include all embossed and recessed panel doors.
Similar opaque 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)

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:
ELEVATIONS

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

DATE: 4/01/21

SCALE: N.T.S.

DWG. BY: RW

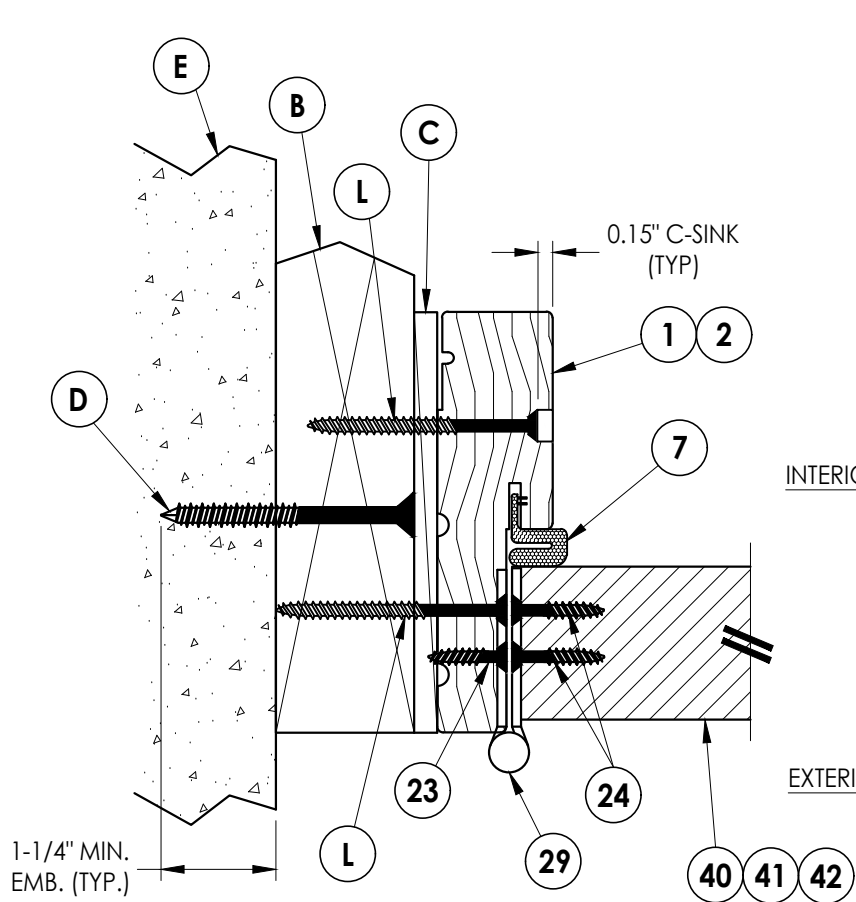
CHK. BY: LFS

DRAWING NO.:

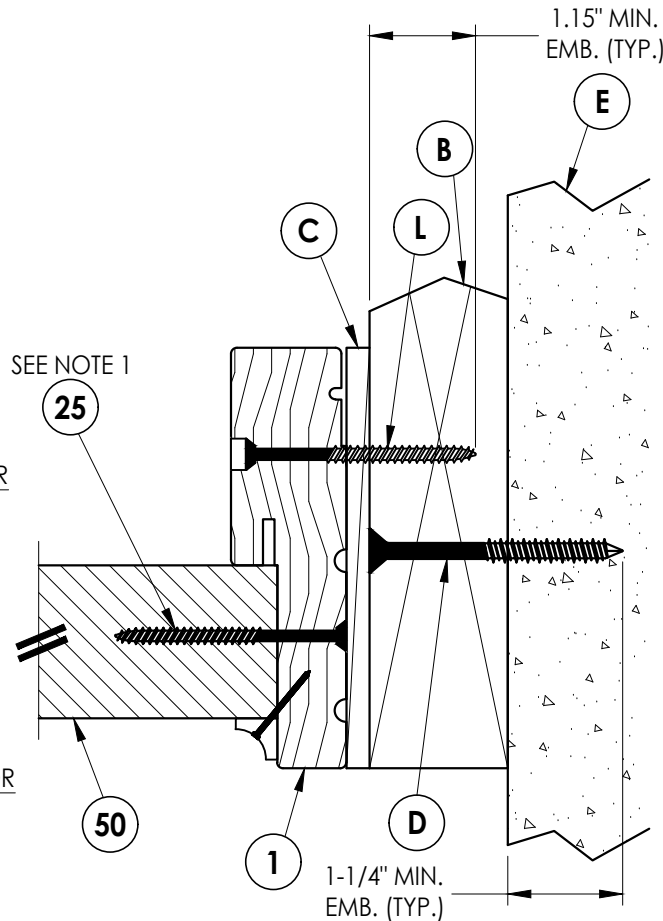
FL-20467.16

SHEET 4 OF 13

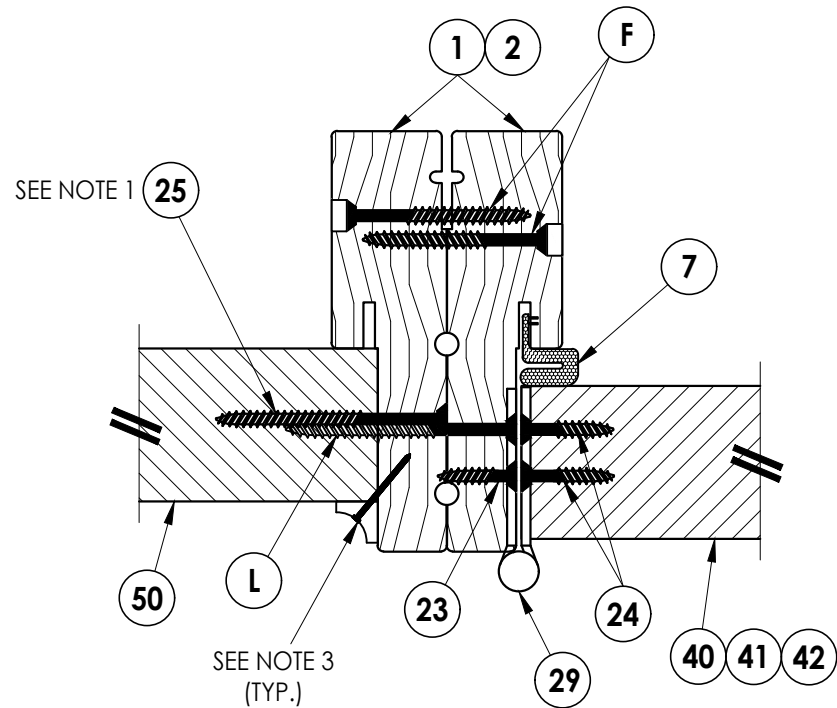
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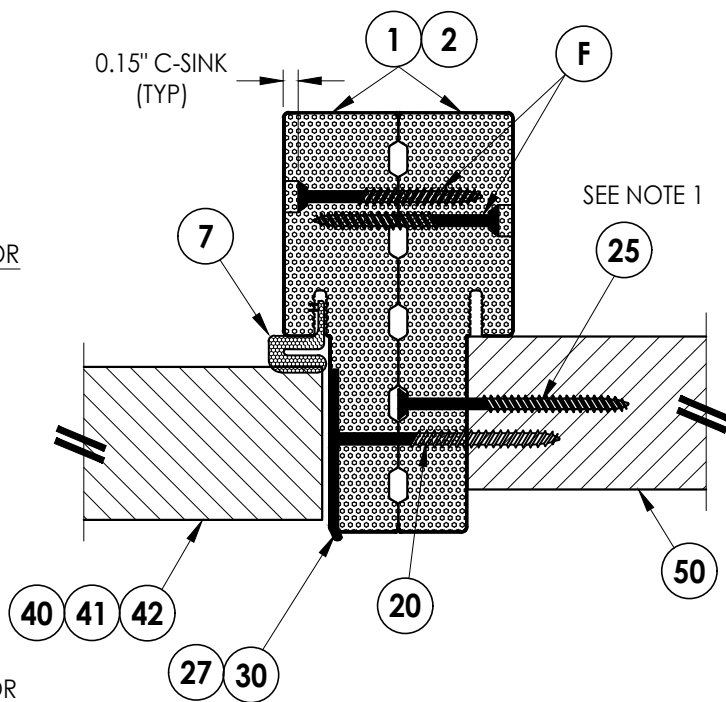
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



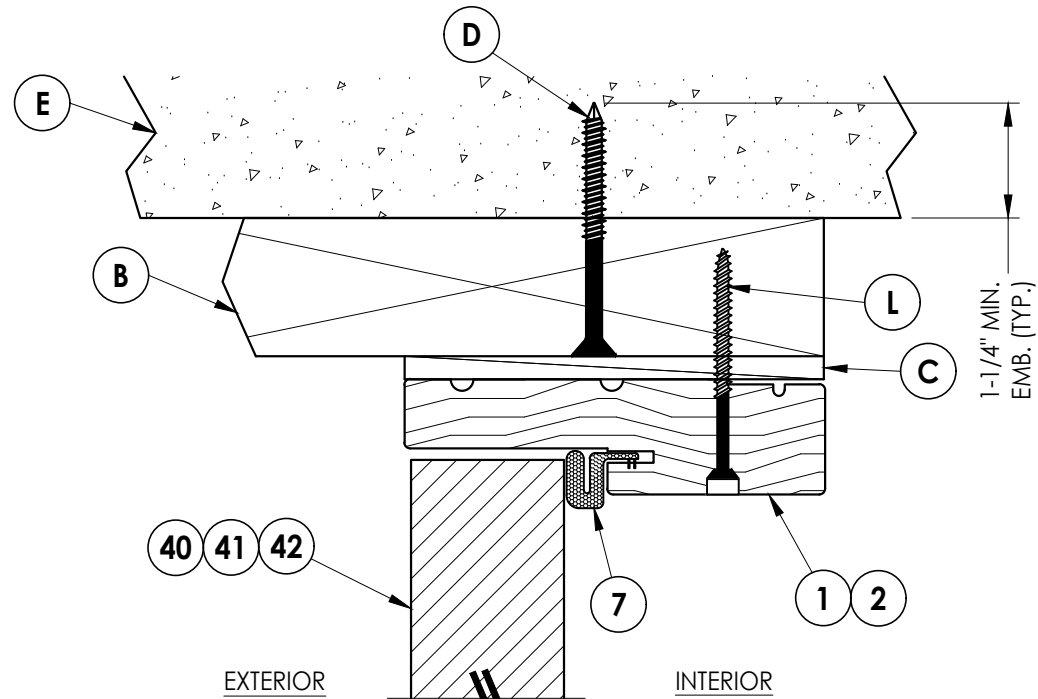
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5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



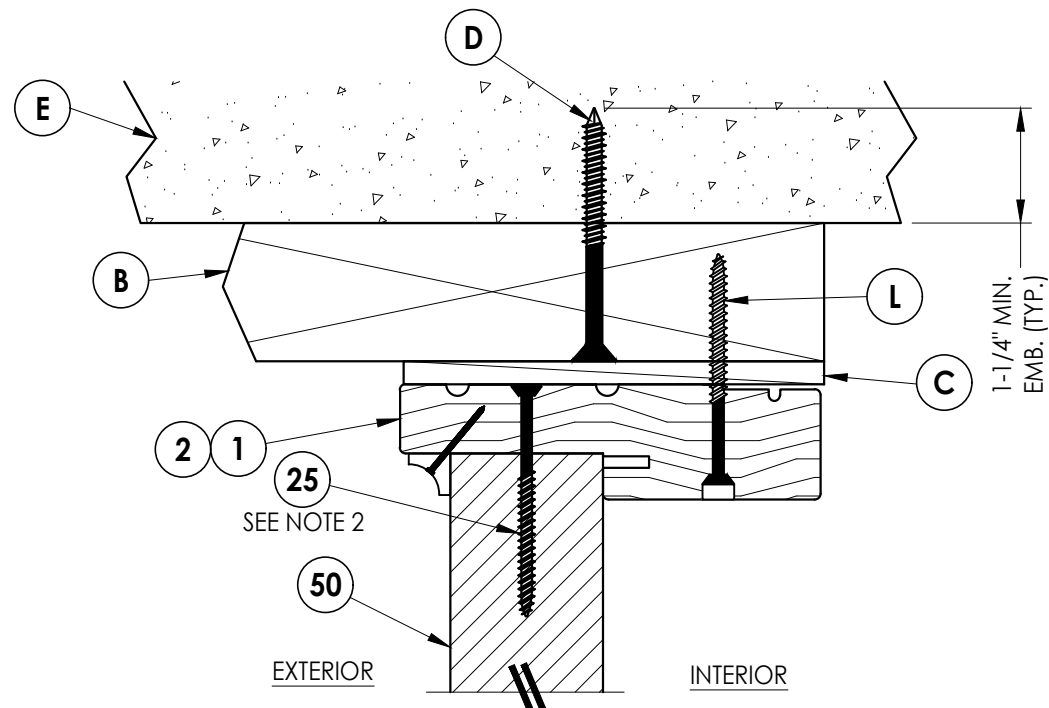
6
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

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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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
CROSS SECTIONS (2X BUCK)

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

DATE: 4/01/21

SCALE: N.T.S.

DWG. BY: RW

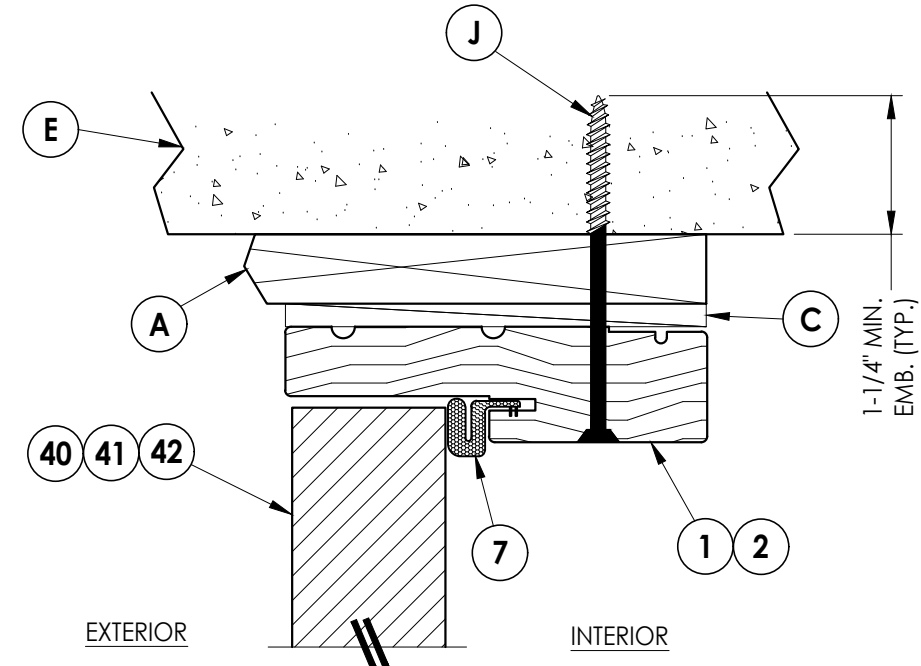
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DRAWING NO.:

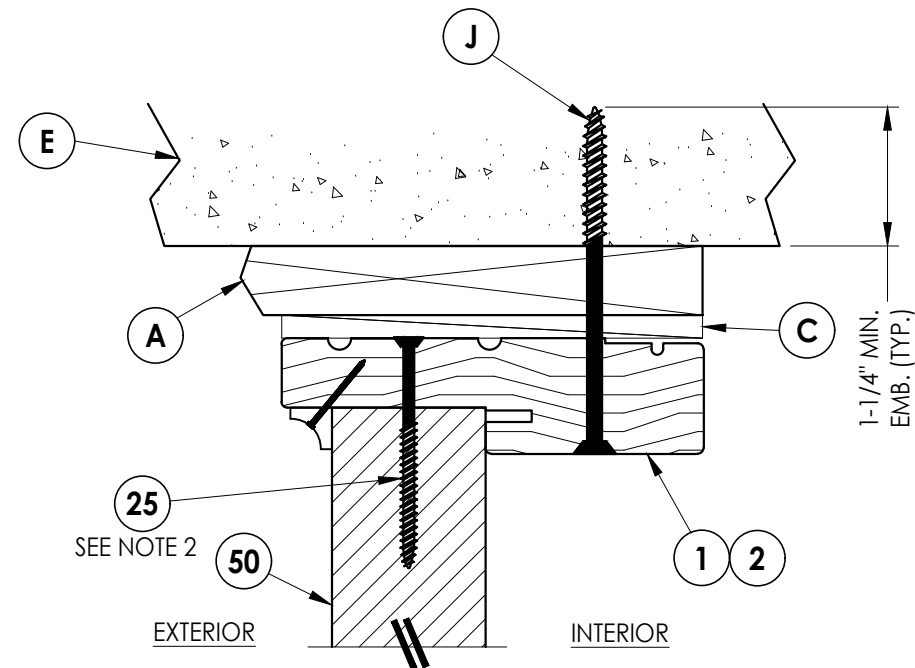
FL-20467.16

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)

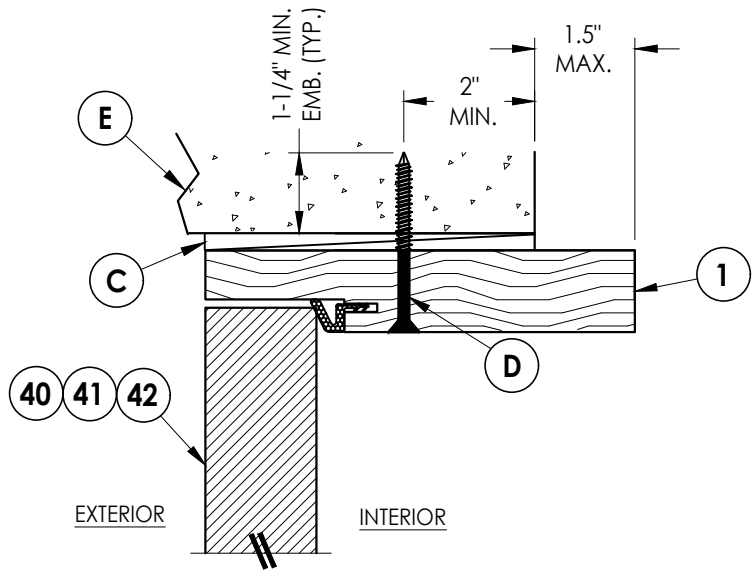


4 **VERTICAL CROSS SECTION**
6 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)

						Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PRODUCT: THERMA-TRU FIBERGLASS DOOR						 BUILDING CONSULTANTS, INC. 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)							
						LFS	
						LFS	
						BY	
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-20467.16							
SHEET 6 OF 13							

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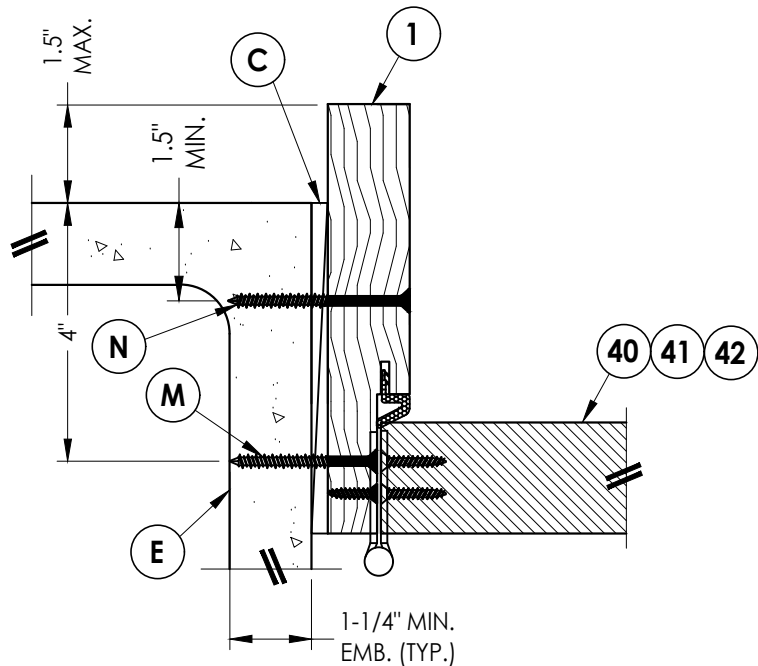
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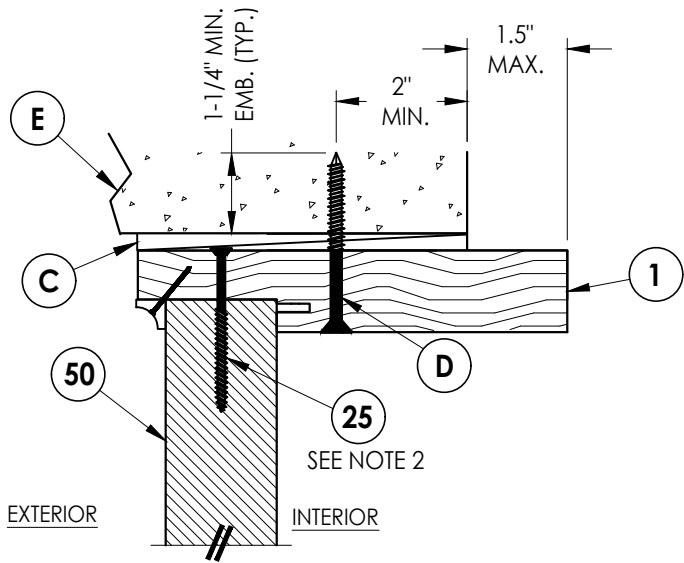
3 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

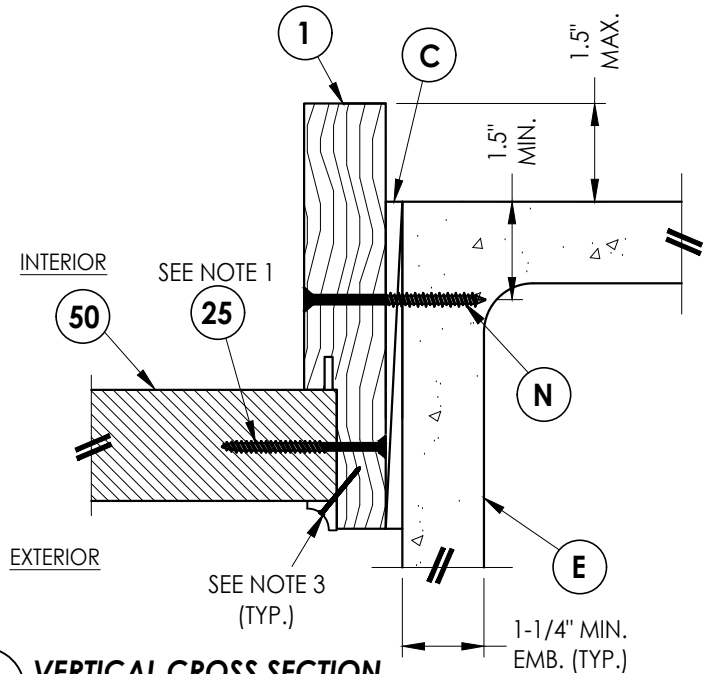
1. Sidelite assembly screws located 6" from each end plus 5 more equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb). Add an additional screw @ CL for Sidelites > 14" width
3. PVC/Wood Moulding secured w/ 16 GA. X 1" brad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



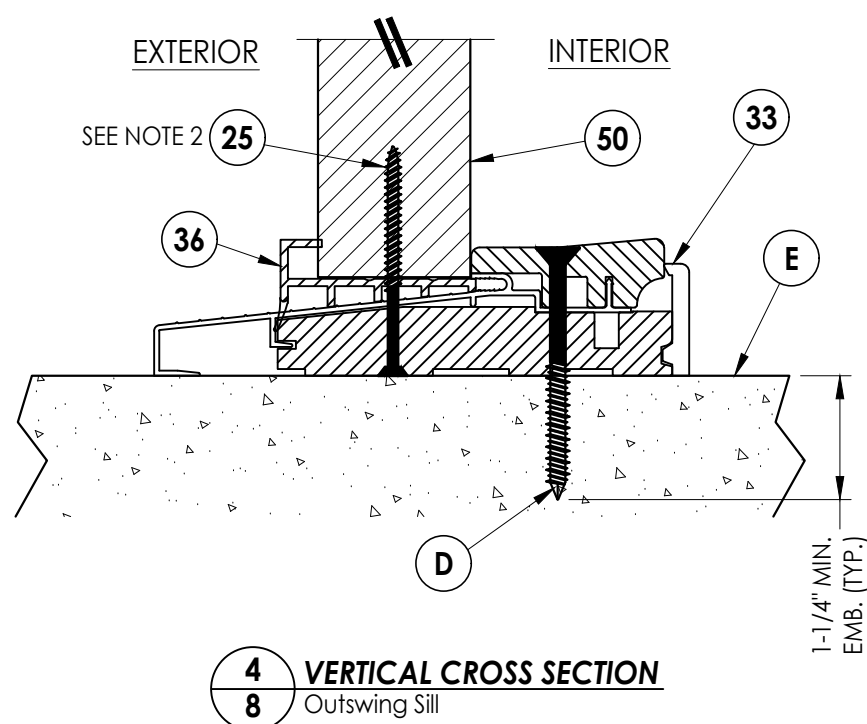
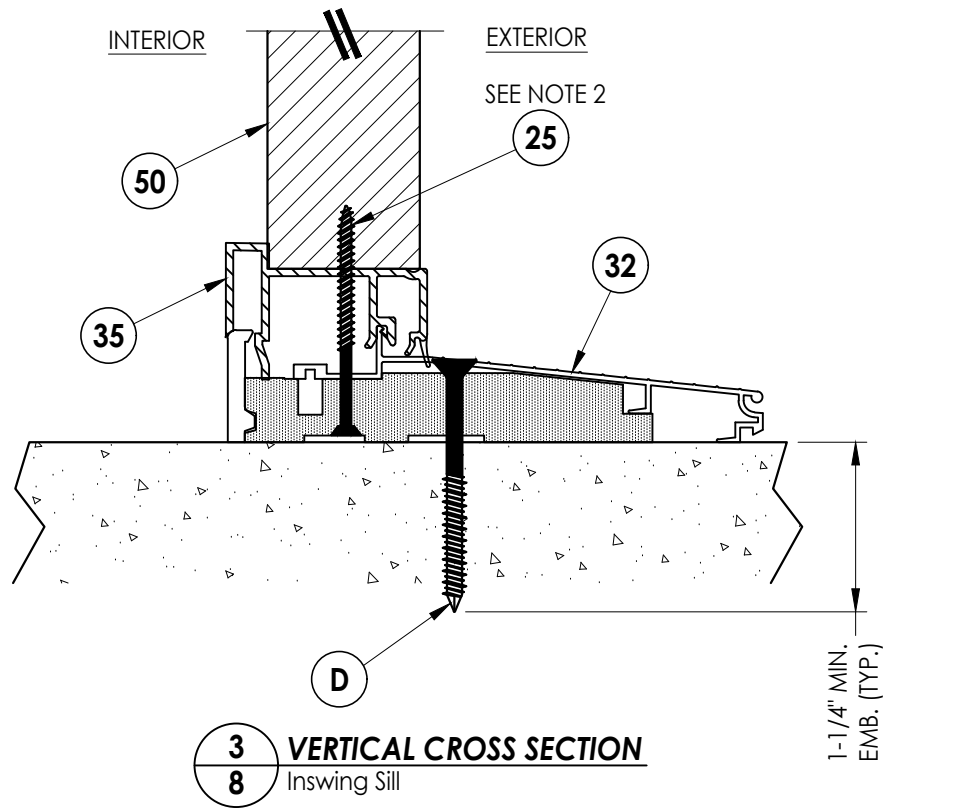
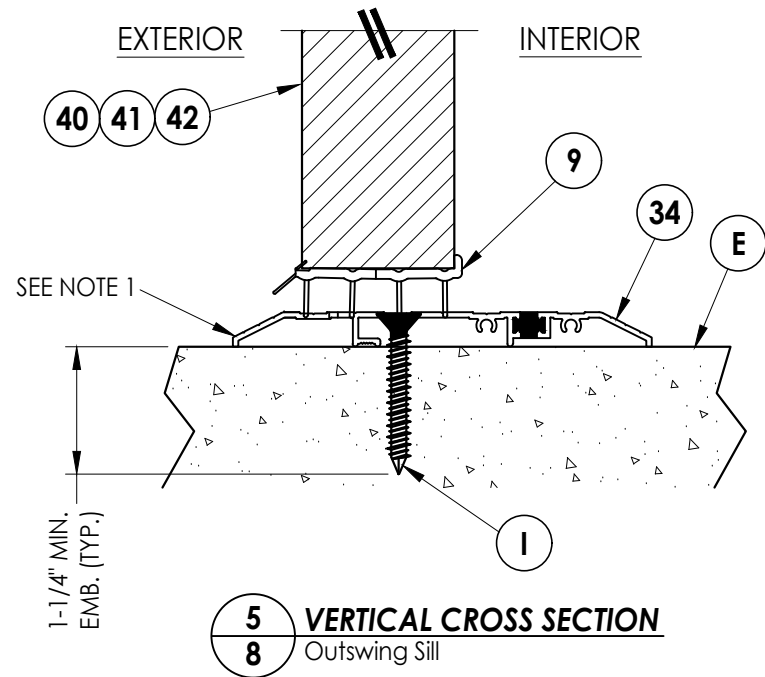
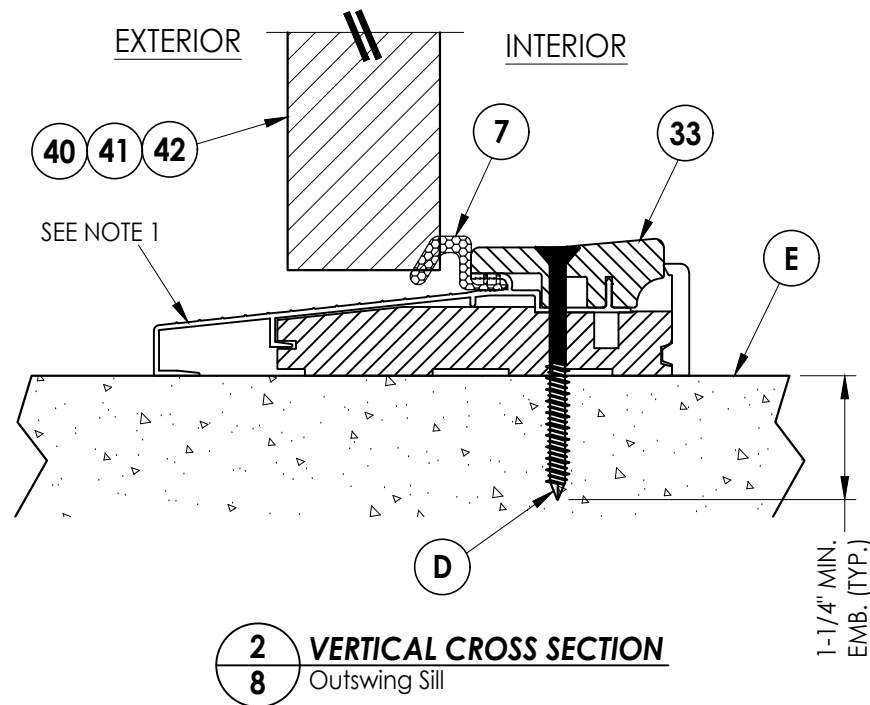
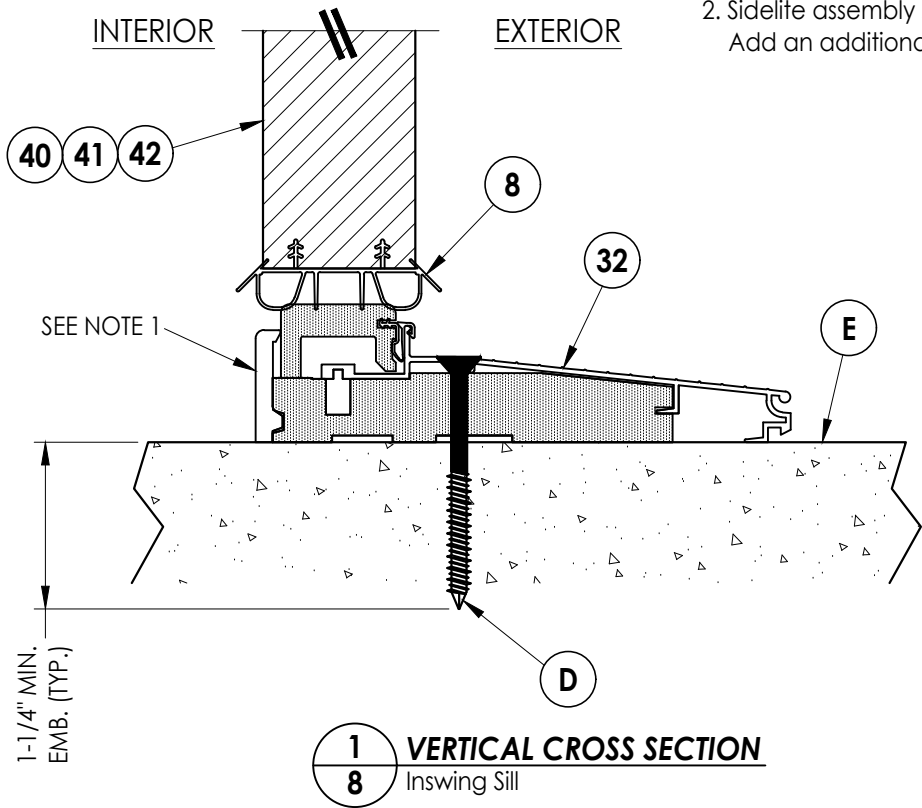
4 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



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

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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-20467.16							
SHEET 7 OF 13							

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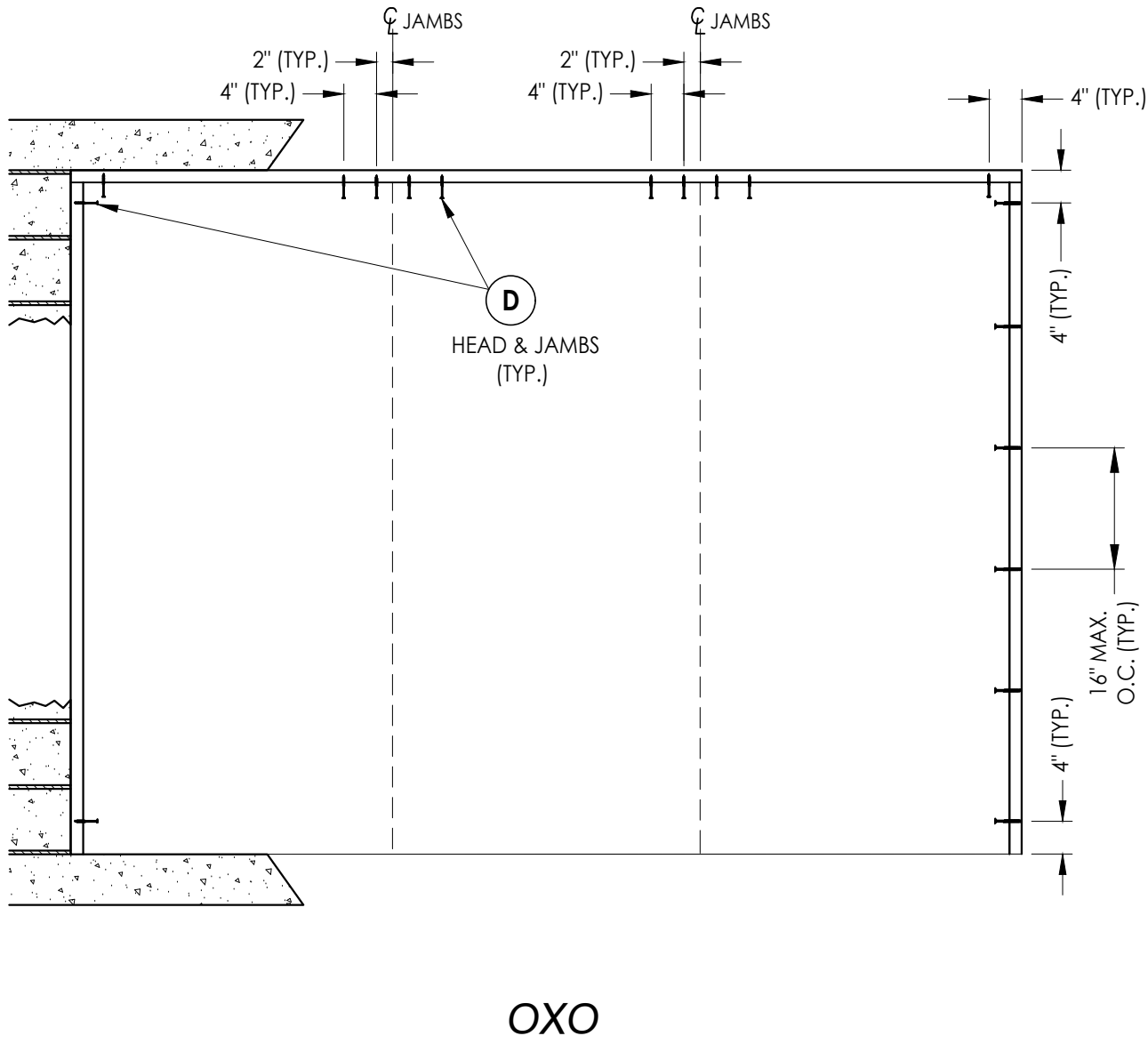
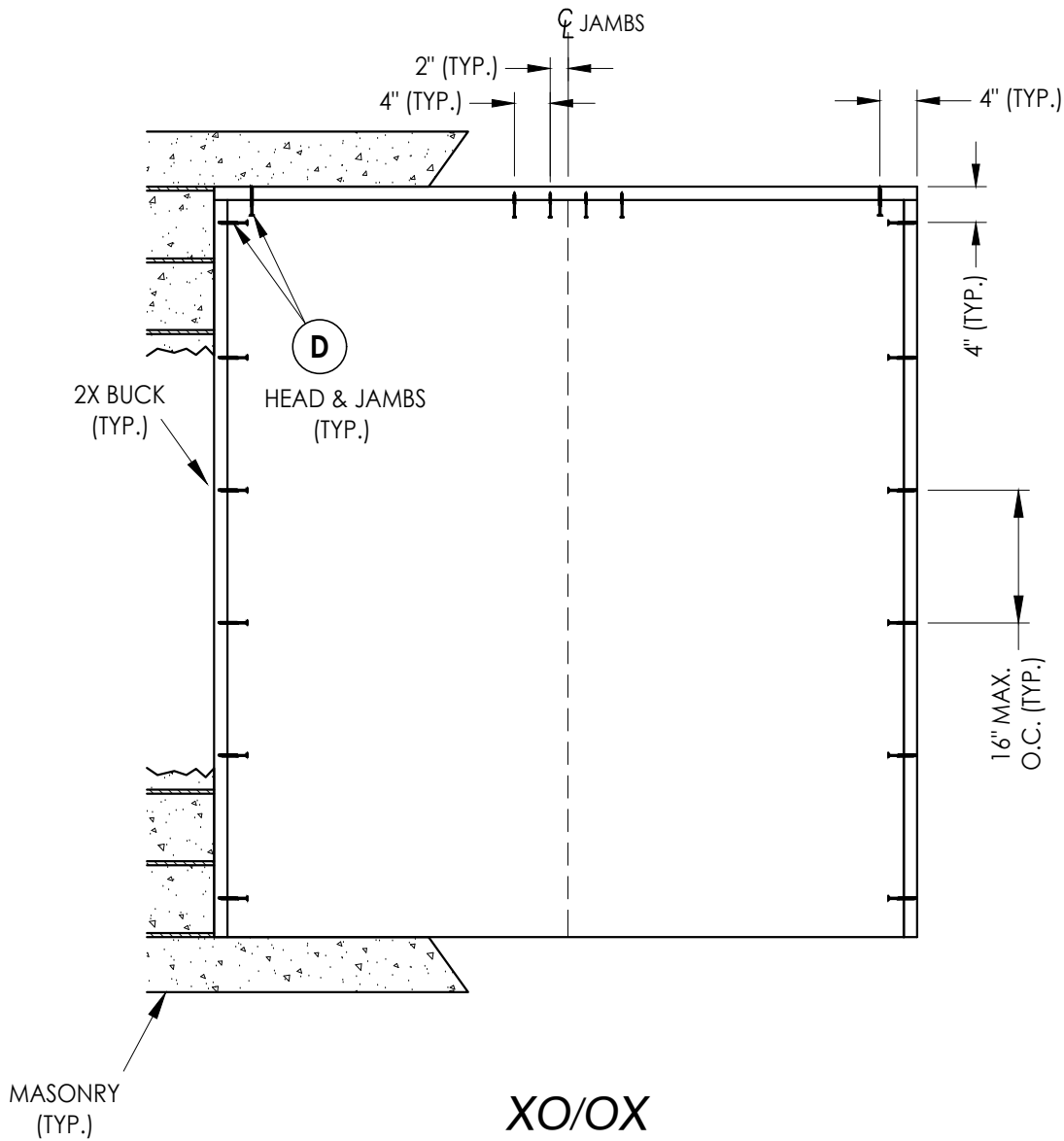


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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-20467.16			
SHEET 8 OF 13			

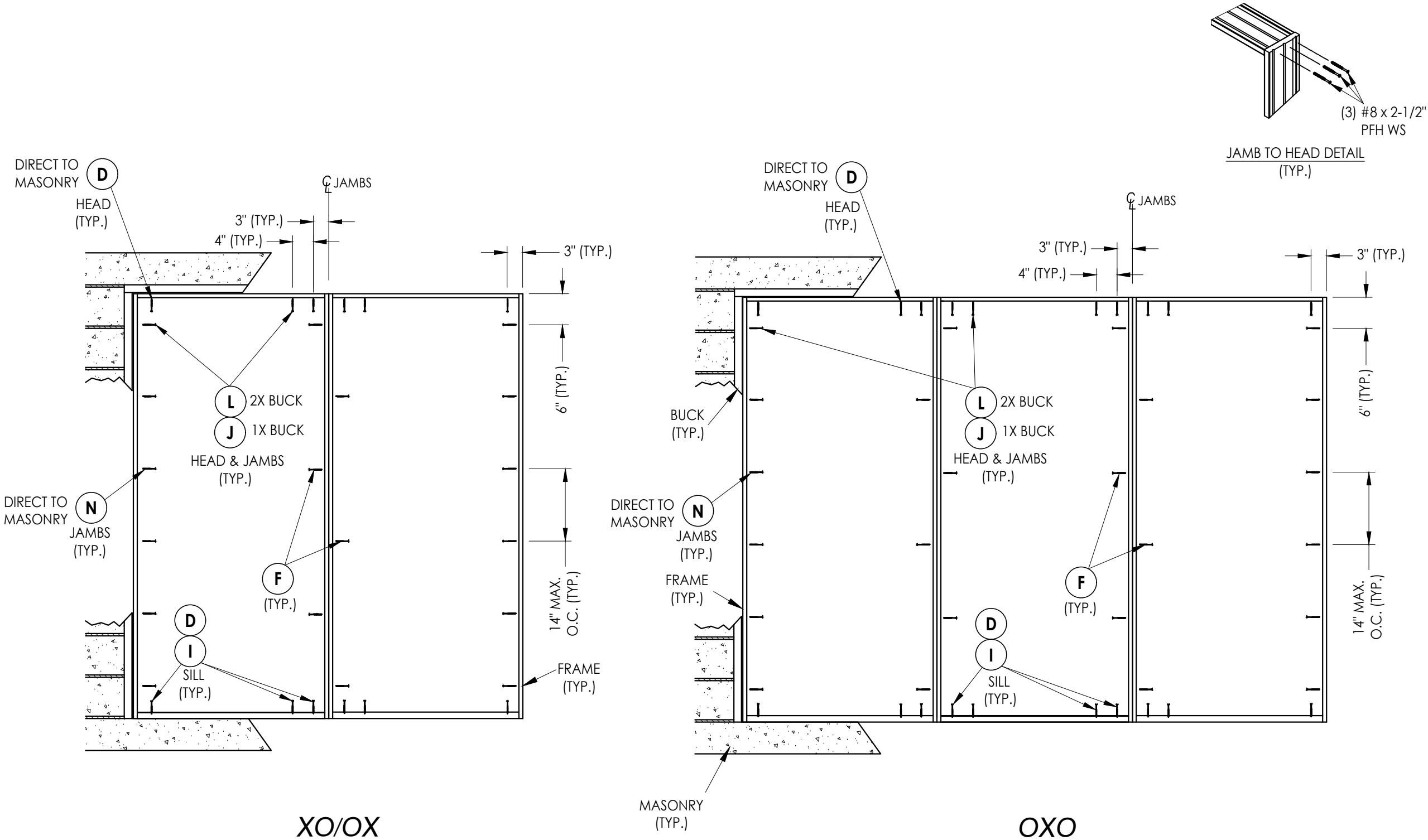
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2X BUCK ANCHORING

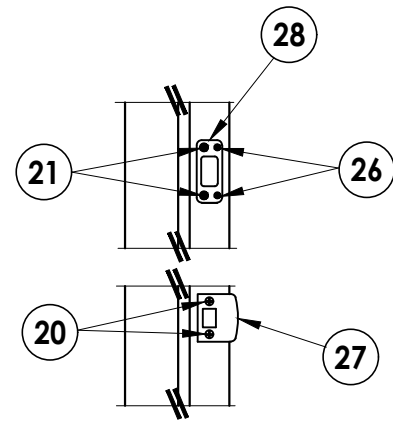
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813				
PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: BUCK ANCHORING				
				2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
				1	7/20/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
				NO.	DATE			BY
				REVISIONS				
DATE: 4/01/21								
SCALE: N.T.S.								
DWG. BY: RW								
CHK. BY: LFS								
DRAWING NO.: FL-20467.16								
SHEET 9 OF 13								

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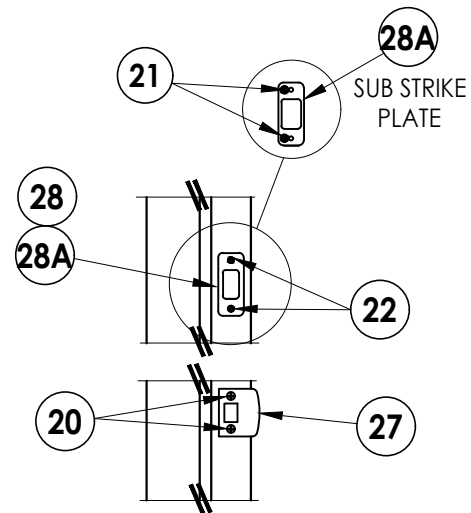


FRAME ANCHORING

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.							
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CHK. BY: LFS							
DRAWING NO.: FL-20467.16							
SHEET 10 OF 13							

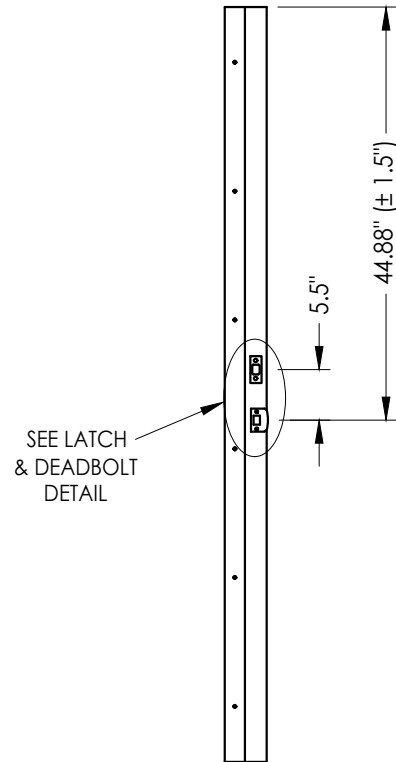


LATCH & DEADBOLT DETAIL
Kwikset

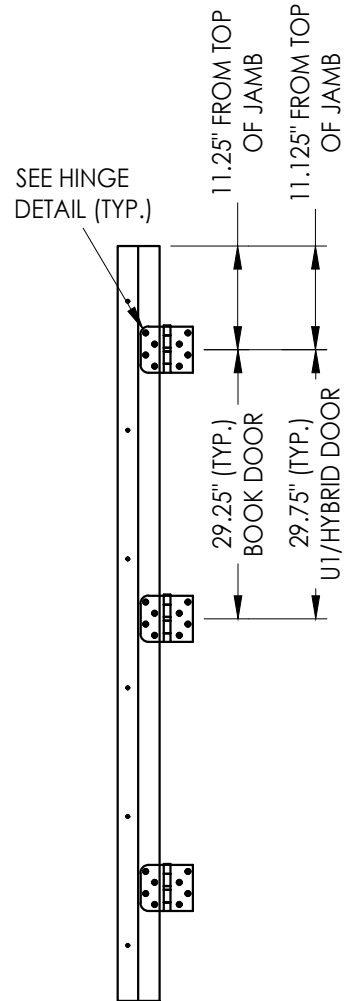


LATCH & DEADBOLT DETAIL
Schlage

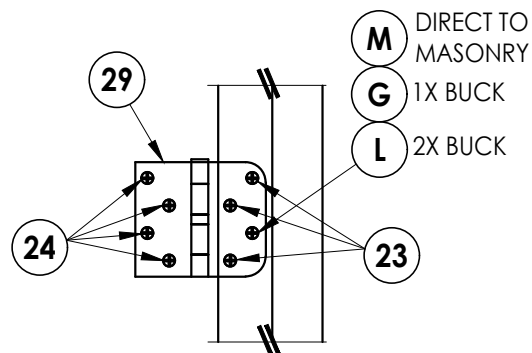
LATCH & DEADBOLT STRIKE DETAILS



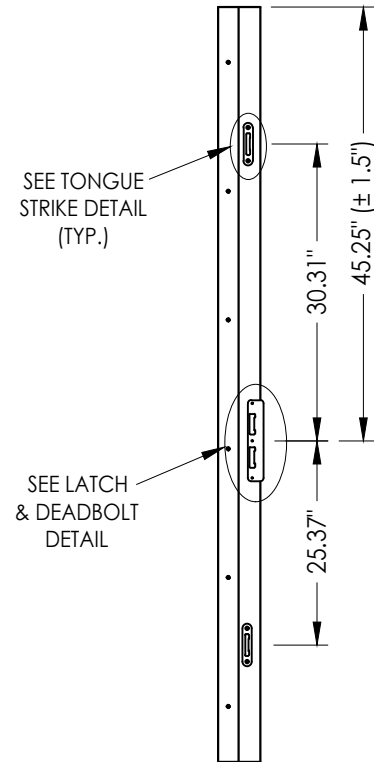
STRIKE JAMB
Latch and Deadbolt



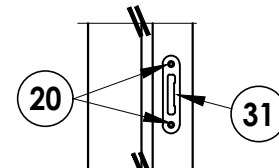
HINGE JAMB



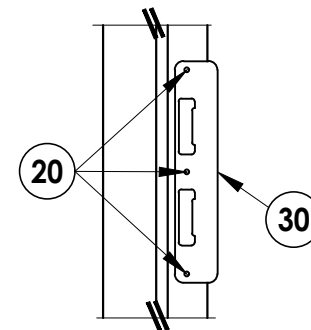
HINGE DETAIL



STRIKE JAMB
Multipoint Lock



TONGUE STRIKE DETAIL
Multipoint Lock



LATCH & DEADBOLT DETAIL
Multipoint Lock

MULTIPOINT LOCK STRIKE DETAILS

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:	4/01/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-20467.16
SHEET	11 OF 13

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

20.88" D.L.O. WIDTH

62.88" D.L.O. HEIGHT

12" MAX. O.C. (TYP.)

#10 X

4" (TYP.)

3" (TYP.)

CL

Diagram illustrating the cross-section of a window assembly, showing the exterior and interior views.

Exterior View (Left):

- CELLULAR GLAZING TAPE
- 1/2" GLASS BITE
- 1" THK. GLASS
- 1/8" TEMPERED GLASS
- 1/2" AIR SPACE
- 5/32" ANNEALED GLASS
- 0.090" SAFLEX PVB INTERLAYER

Interior View (Right):

- 1/8" ANNEALED GLASS
- SWIGGLE GLAZING SPACER
- #10 X 1-1/2" PPH SMS

Callout: 3A

Diagram illustrating the cross-section of a window assembly, showing the exterior and interior views.

Exterior View Labels:

- DOW 995 GLAZING COMPOUND
- NORSEAL CLOSED CELL PVC FOAM
- 1/2" GLASS BITE
- 1-1/4" THK. GLASS
- 1/8" ANNEALED GLASS
- 0.090" SAFLEX PVB INTERLAYER
- 1/8" ANNEALED GLASS
- BLIND INSERT
- AIR SPACE
- 1/8" TEMPERED GLASS
- FOAM SPACER w/ ALUM INSERT
- NORSEAL CLOSED CELL PVC FOAM

Interior View Labels:

- EXTERIOR
- INTERIOR
- #10 X 2" PPH SMS

Diagram Markers:

- 4A

20.88" D.L.O. WIDTH

63" D.L.O. HEIGHT

4" (TYP.)

#10 X 2" PPH SMS (TYP.)

11.6" O.C. (TYP.)

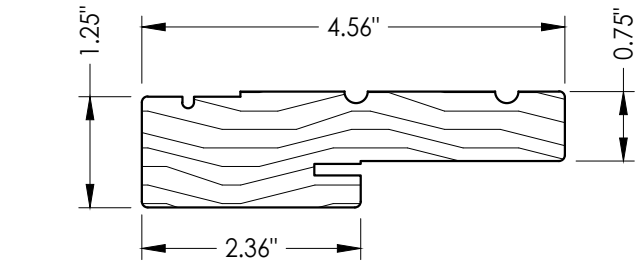
4" (TYP.)

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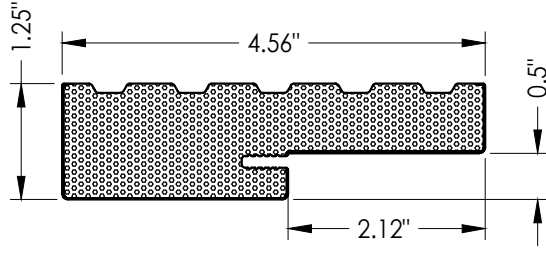
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Z:\2023 FBC Drawings\Therma-Tru\FL-20468 R7\FL-20468.16-17.dwg

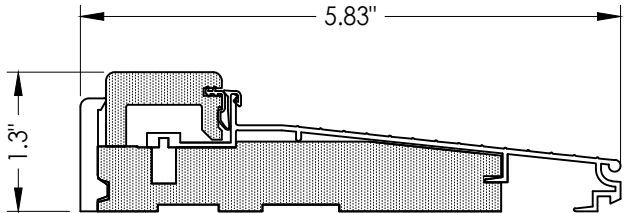
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH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



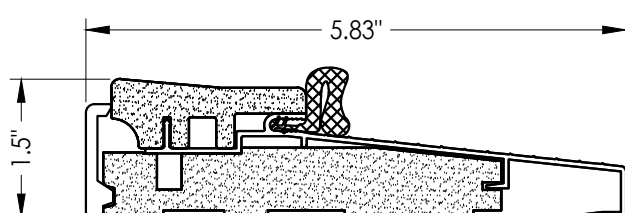
1 WOOD JAMB



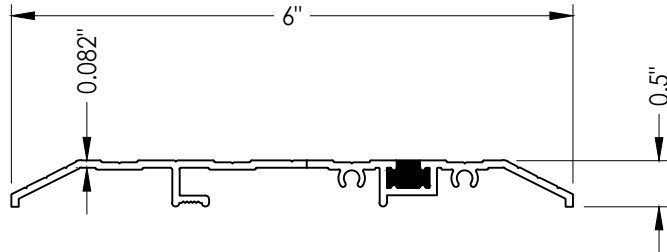
2 COMPOSITE JAMB



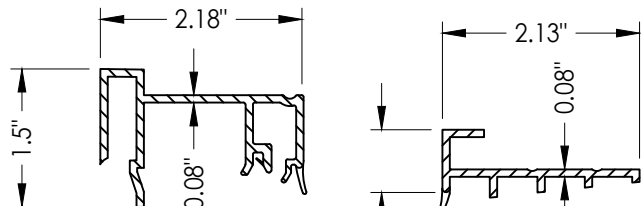
32 INSWING THRESHOLD
Adjustable Composite Sill



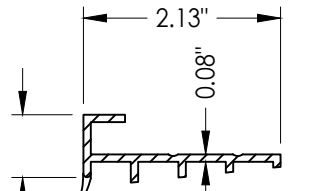
33 OUTSWING THRESHOLD
Composite Sill



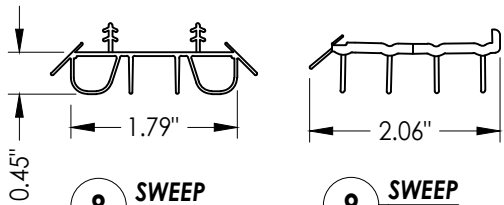
34 PUBLIC ACCESS THRESHOLD



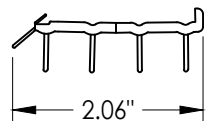
35 SIDELITE SPACER
Inswing



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

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SHEET 13 OF 13