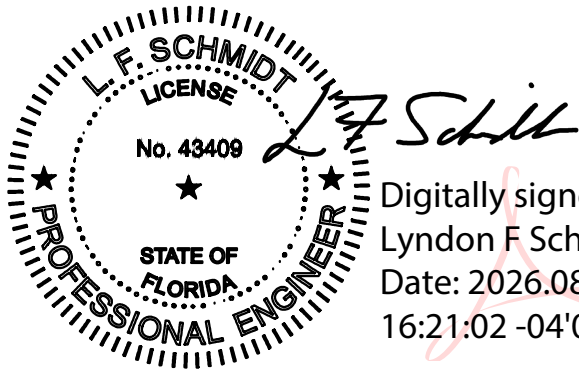
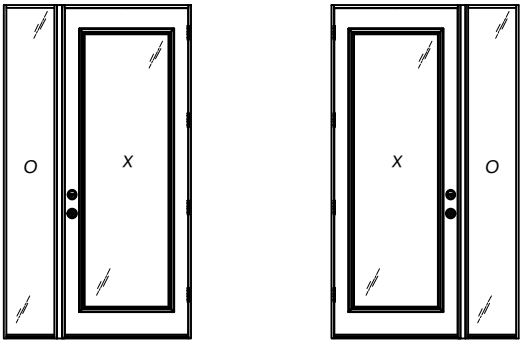




Fiber-Classic® & Smooth-Star®



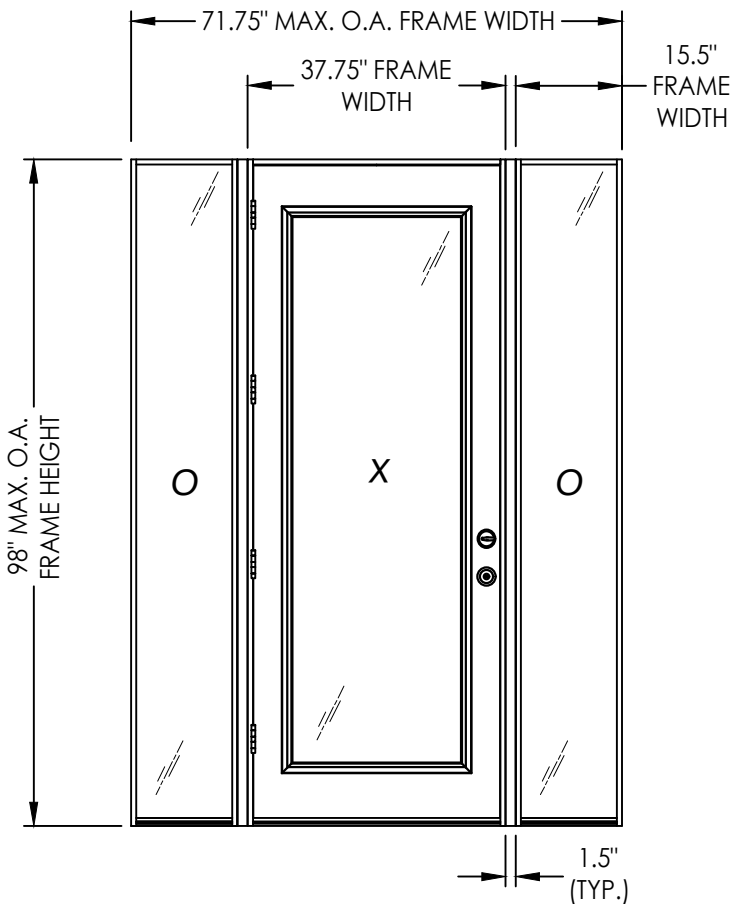
Digitally signed by
Lyndon F Schmidt
Date: 2026.08.10
16:21:02 -04'00'



**WOOD OR COMPOSITE EDGE
GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
INSWING
"NON-IMPACT"**

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



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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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 and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.

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

CONFIGURATION	DOOR GLAZING	2X REINFORCEMENT REQUIRED	DESIGN PRESSURE (PSF) w/ FJ PINE JAMBS		DESIGN PRESSURE (PSF) w/ COMPOSITE JAMBS	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	LIP LITE	NO	+35.0	-40.0	+30.0	-40.0
		YES	+35.0	-40.0	+43.0	-47.0
	FLUSH	NO	+30.0	-45.0	+30.0	-40.0
		YES	+30.0	-45.0	+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 License No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
1	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
NO.	DATE			BY	
					REVISIONS

DATE: 12/10/20

SCALE: *N.T.S.*

DWG. BY: *RW*

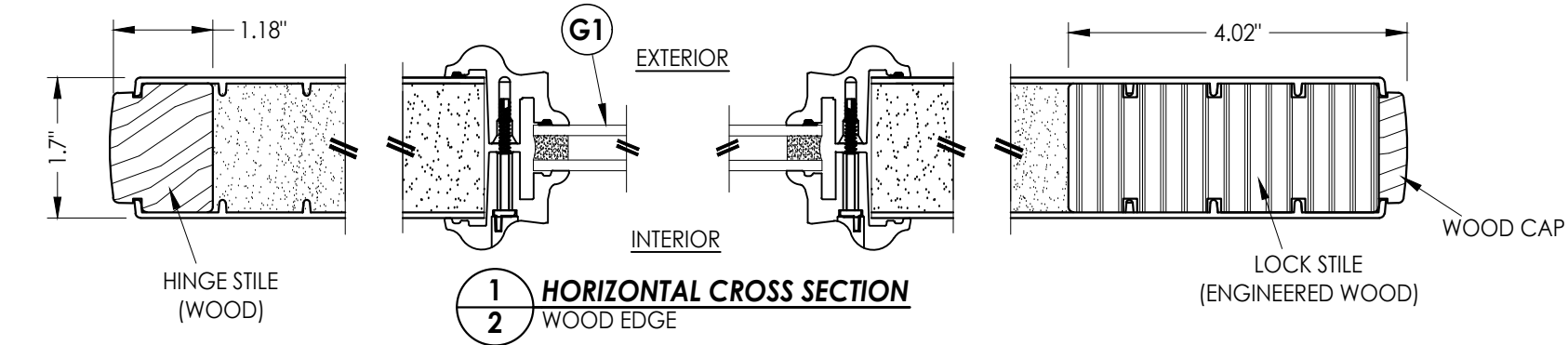
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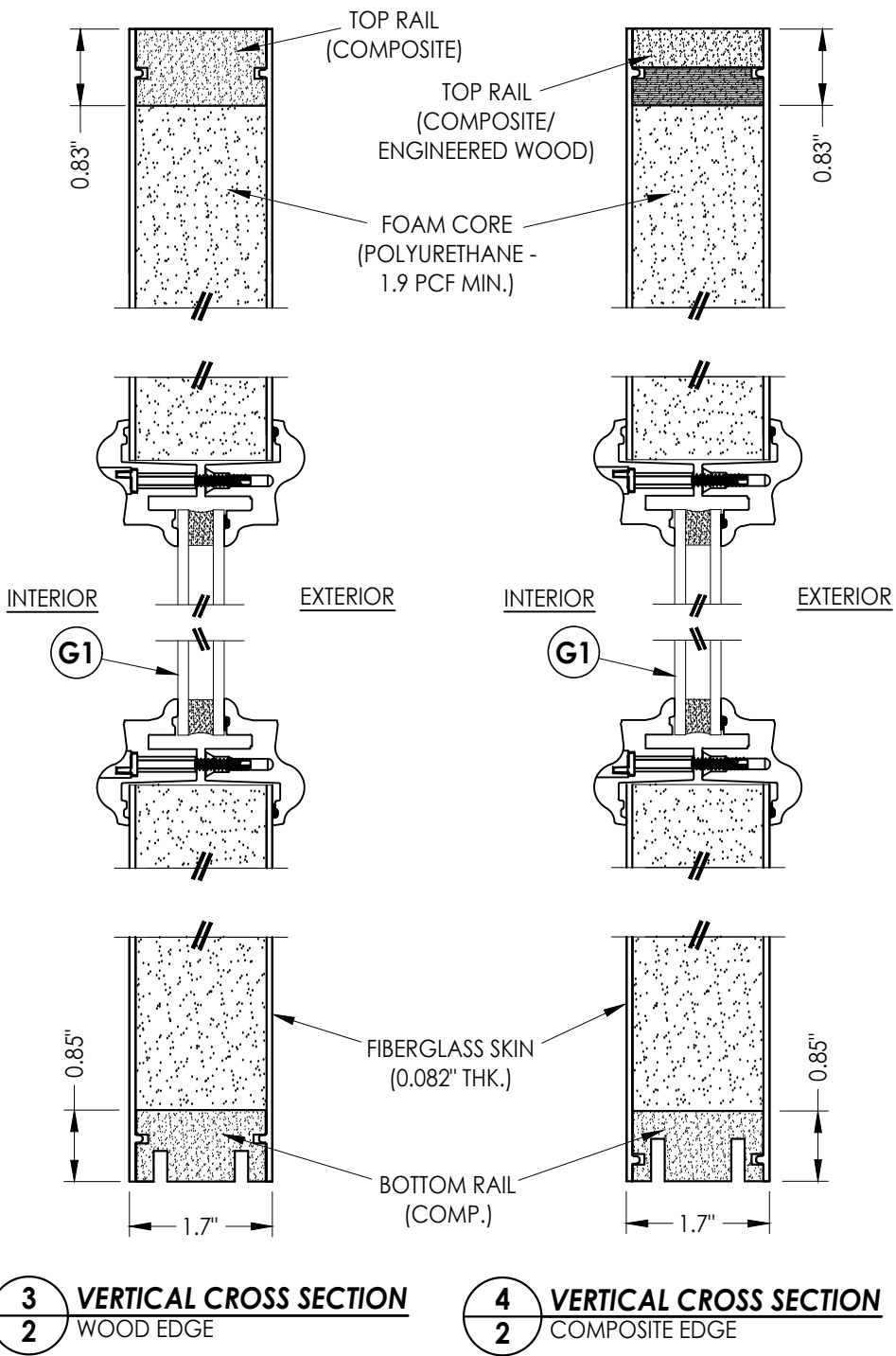
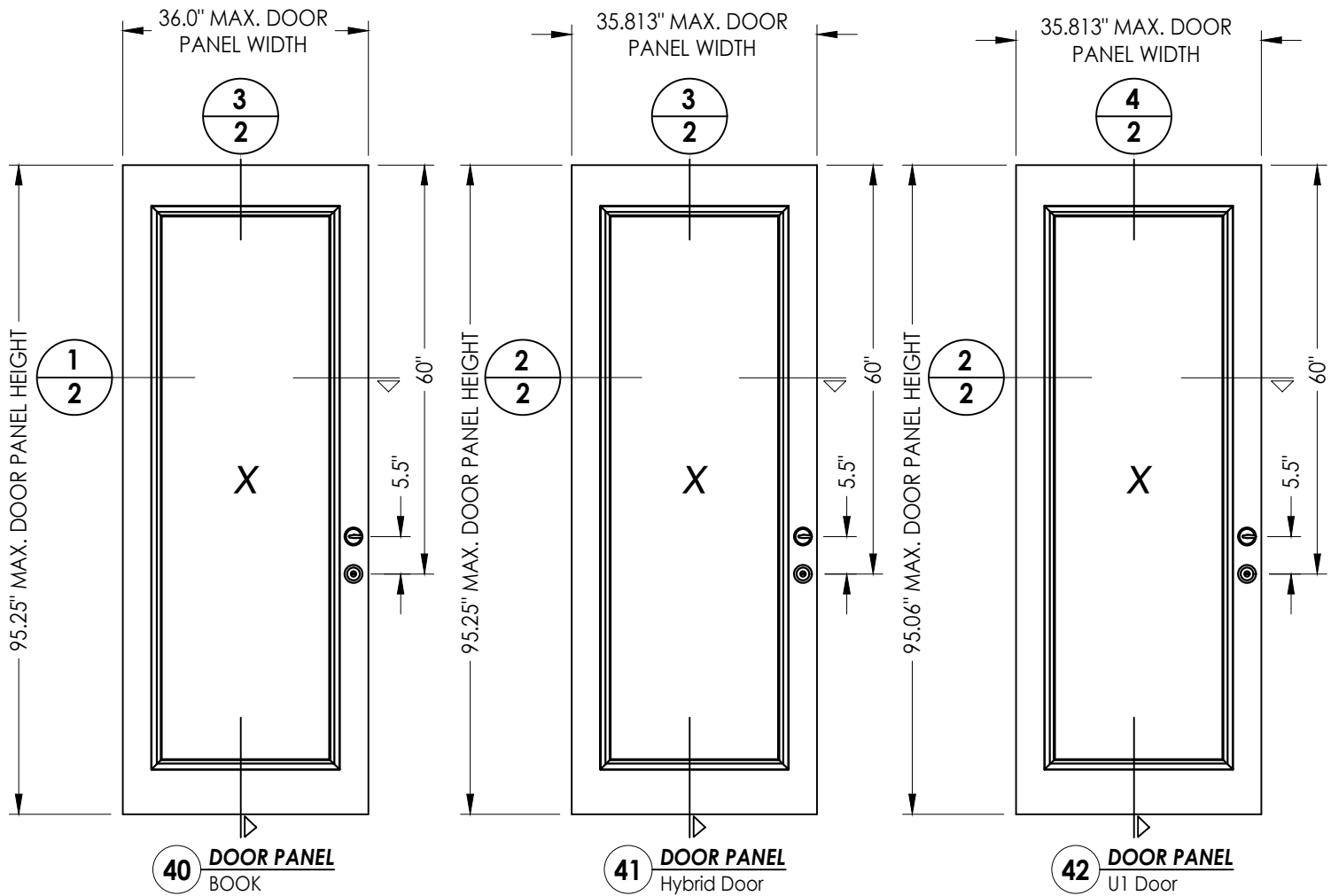
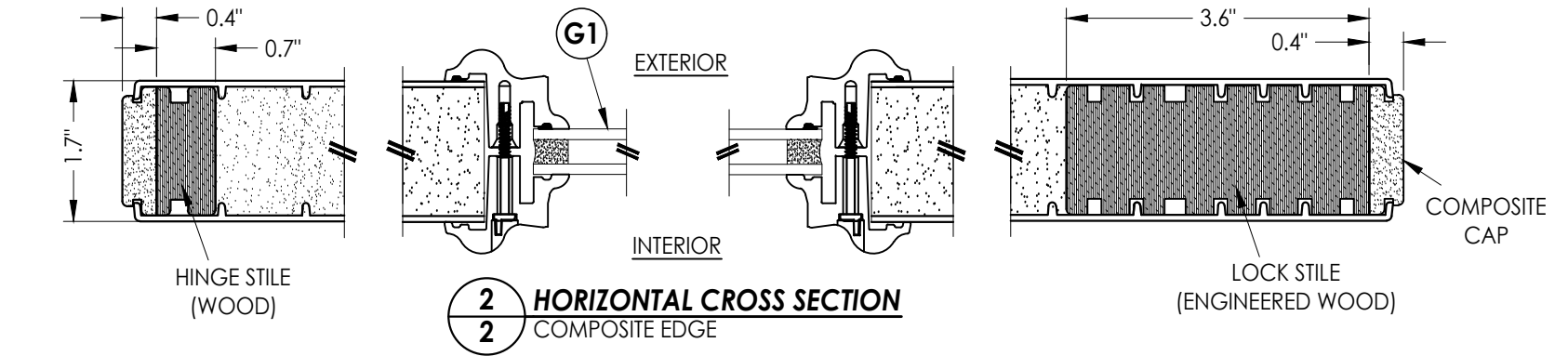
FL-35436.10

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NOTE: BOOK, HYBRID & U1 DOORS MAY EACH BE FABRICATED AS WOOD OR COMPOSITE EDGE DOORS.



Documents Prepared By:

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Phone No.: 813.659.9197

FBPE Registry License No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	BY
2	7/01/26	LFS
1	7/24/23	FBC
1	7/24/23	FBC

DATE: 12/10/20

SCALE: N.T.S.

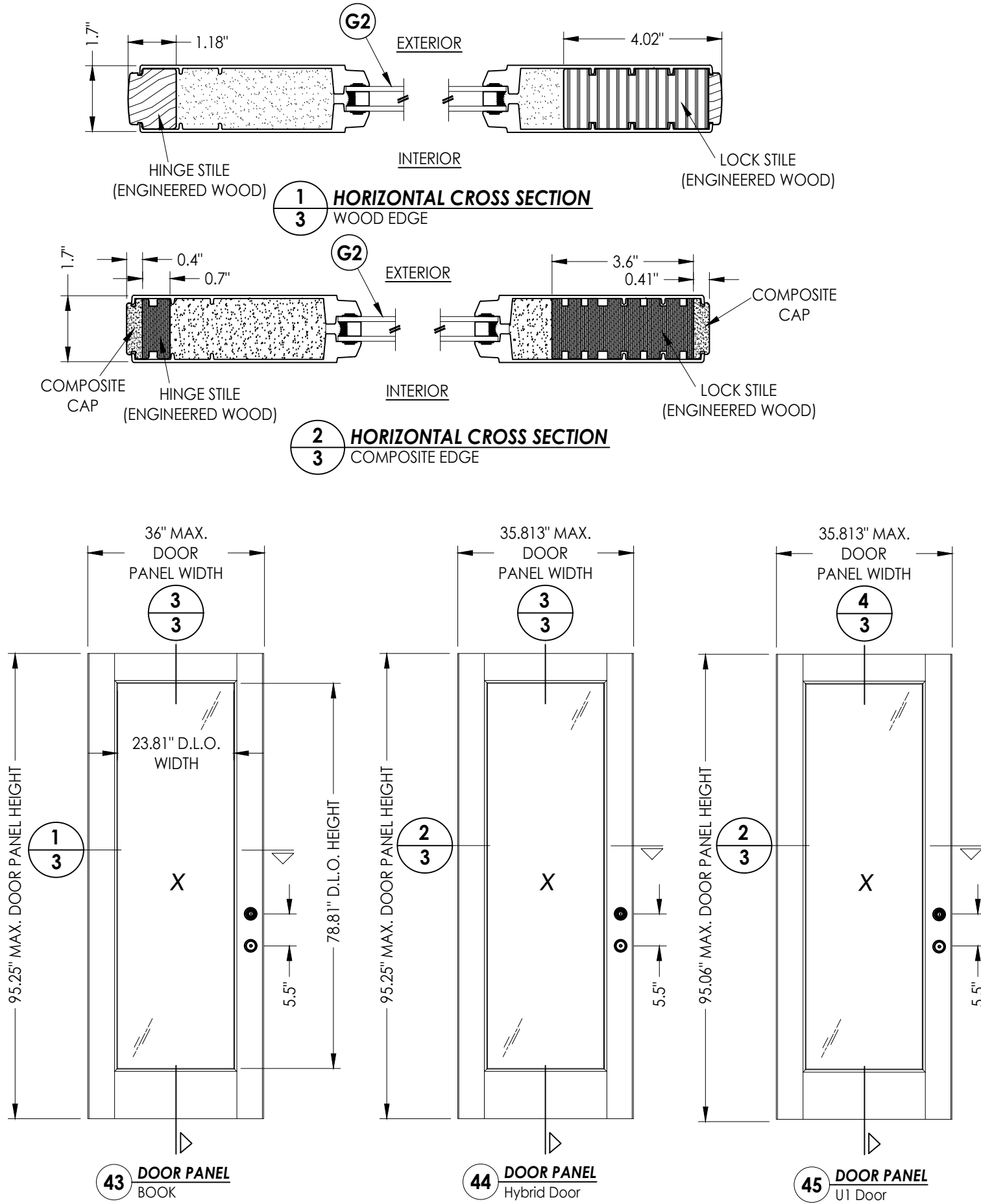
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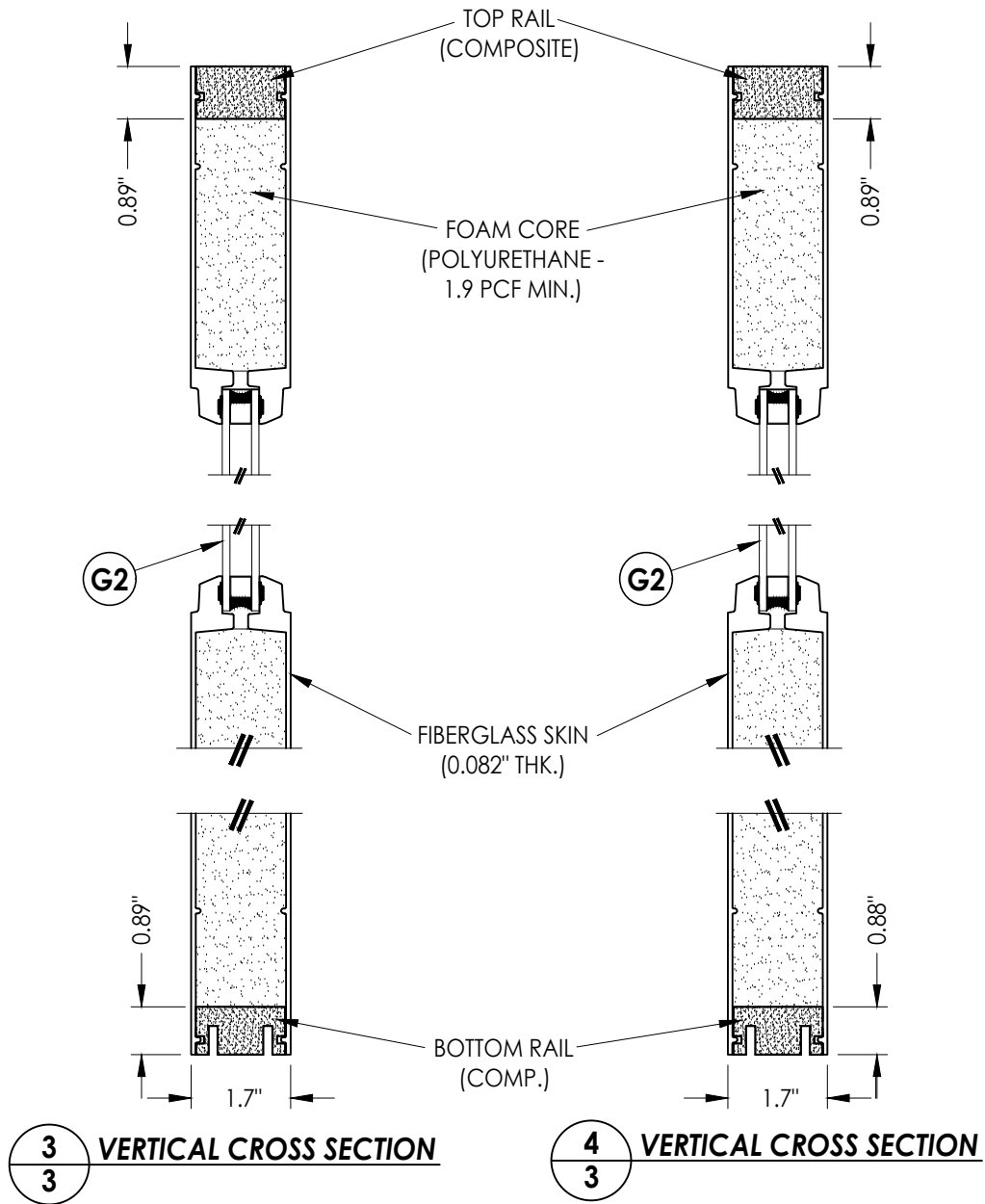
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SHEET 2 OF 13

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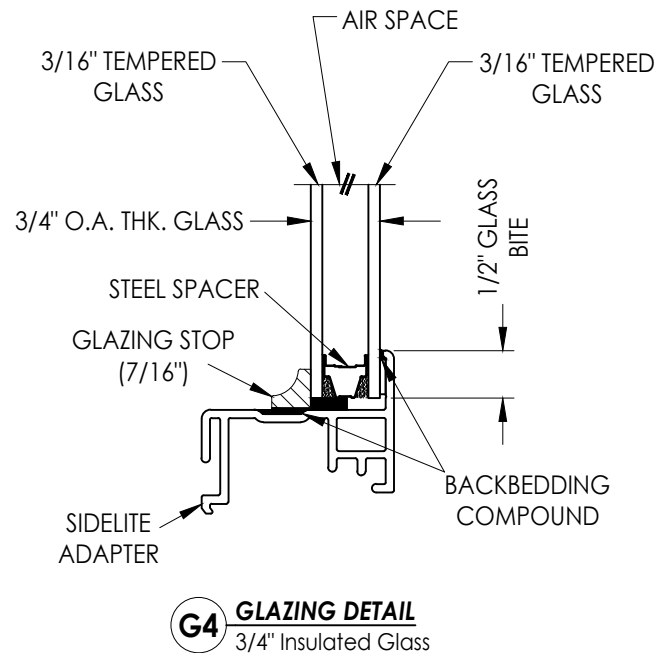
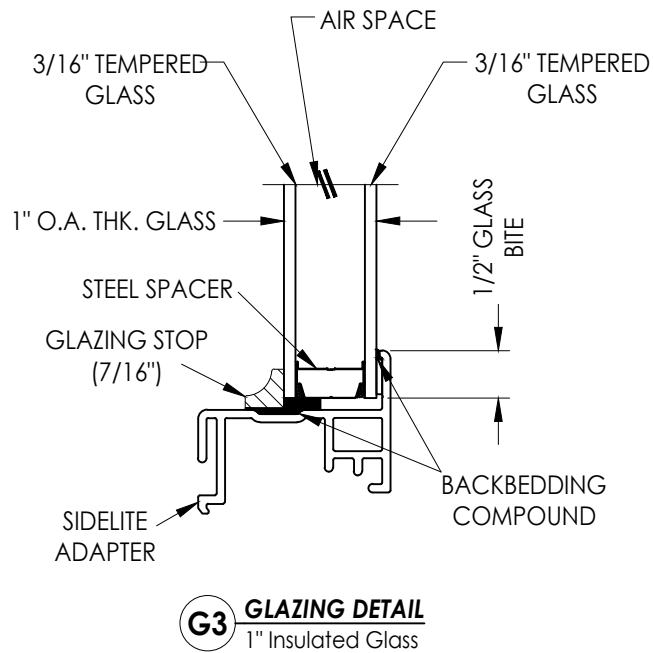
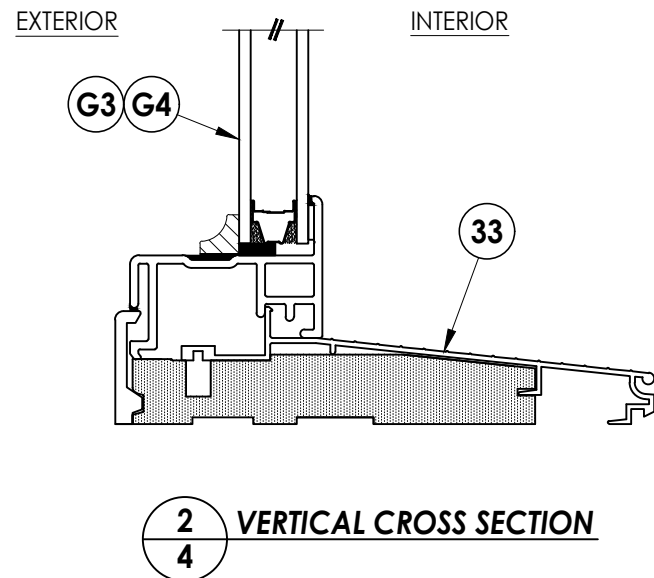
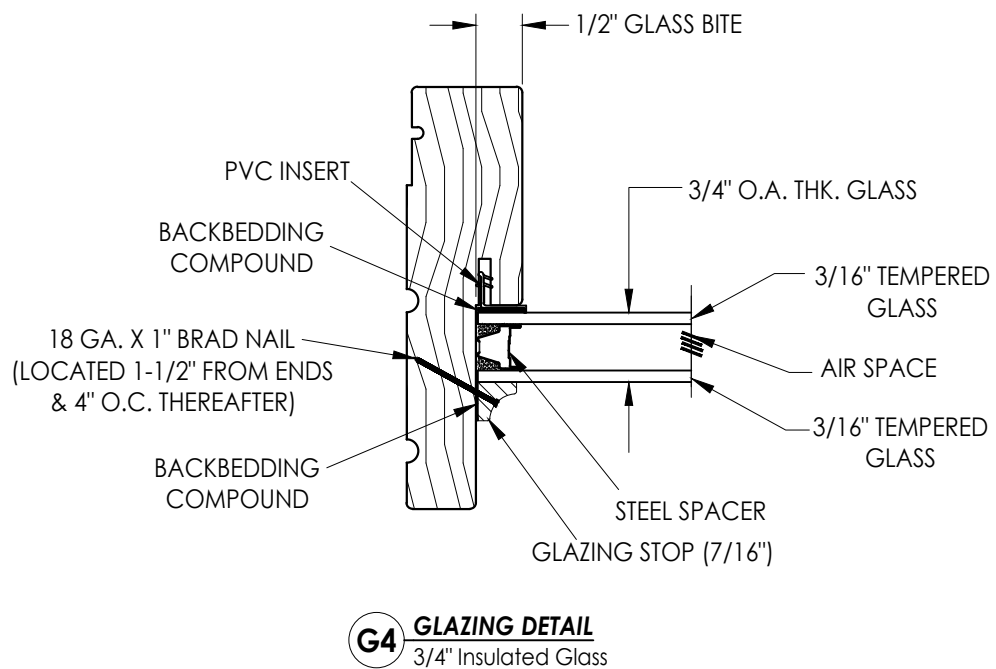
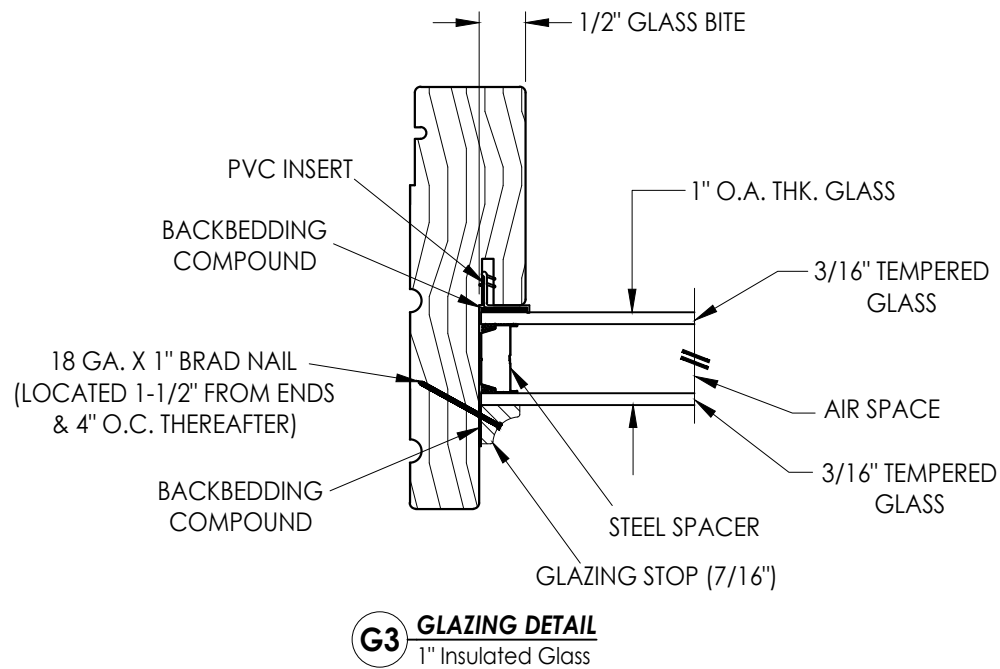
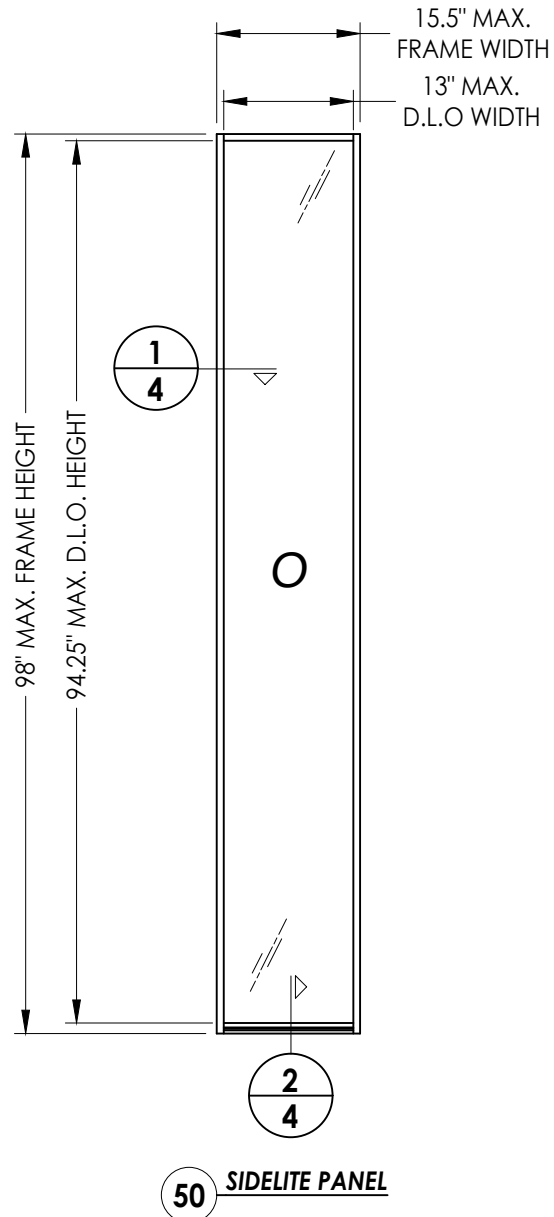
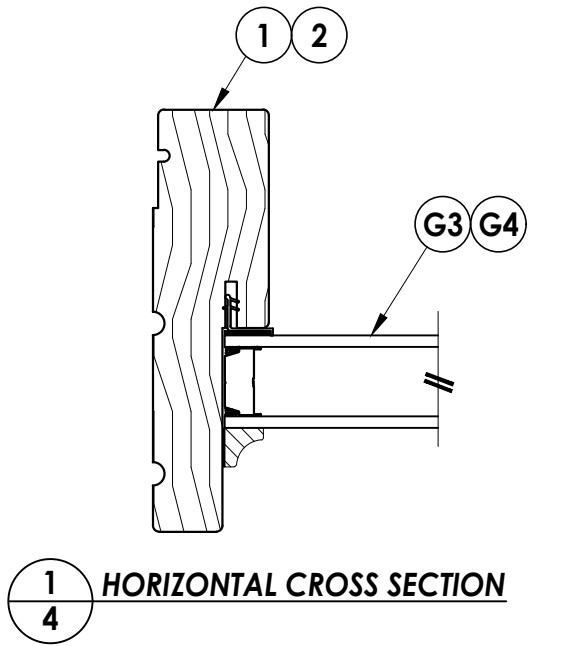


NOTE: BOOK, HYBRID & U1 DOORS
MAY EACH BE FABRICATED AS WOOD
OR COMPOSITE EDGE DOORS.



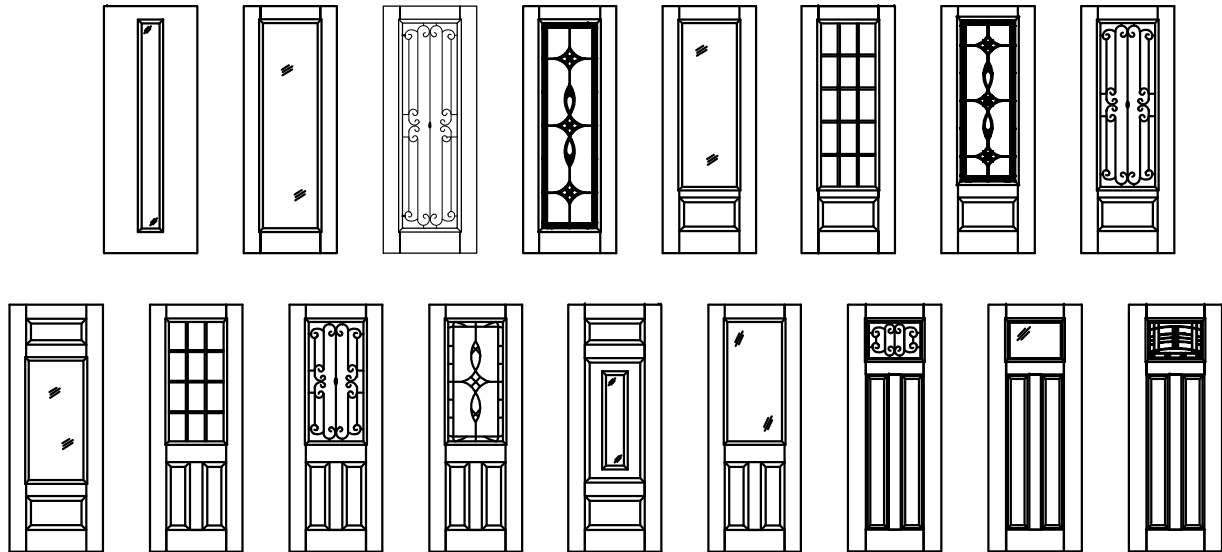
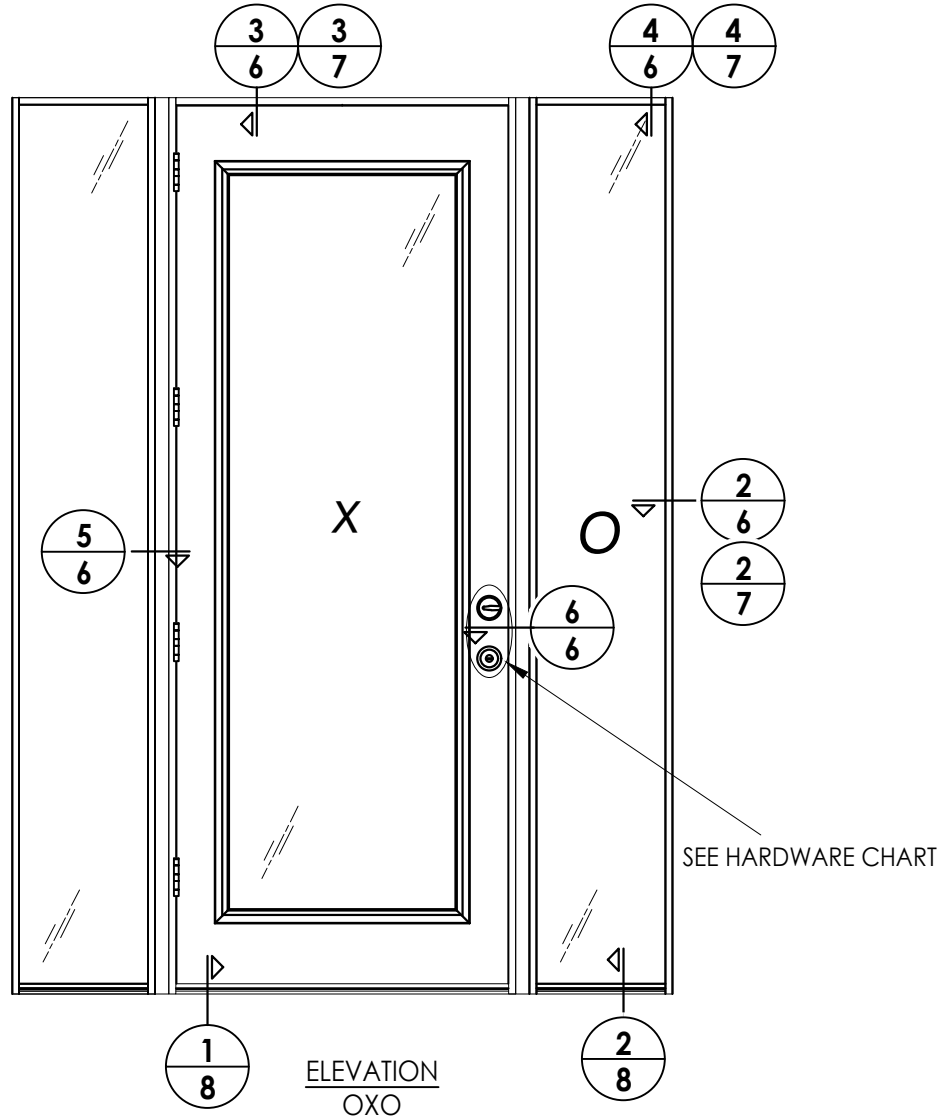
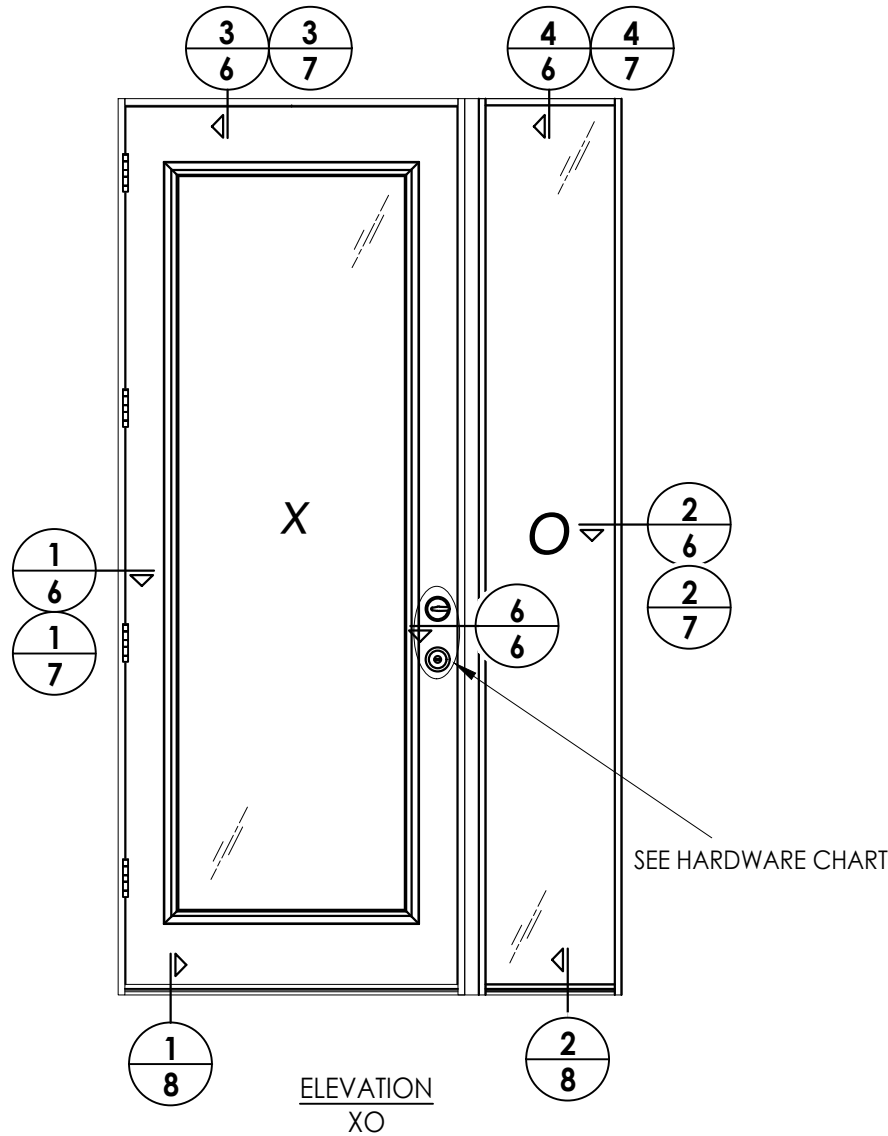
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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	BY
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	REVISIONS
1	7/24/23	UPDATE TO 8TH ED. (2023)	
NO.	DATE		
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.10			
SHEET 3 OF 13			

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: SIDELITE PANEL DETAILS	
		LFS	BY
		UPDATE TO 9TH ED. (2026) FBC	
		UPDATE TO 8TH ED. (2023) FBC	
		NO.	DATE
		REVISIONS	
		2	7/01/26
		1	7/24/23
DATE: 12/10/20			
SCALE: N.T.S.			
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CHK. BY: LFS			
DRAWING NO.: FL-35436.10			
SHEET 4 OF 13			

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Fiber-Classic/Smooth-Star Door Panel Options
Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

Hardware Table		
Manufacturer	Model	
Schlage	Knob:	F51
	Deadbolt:	B60
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (980)

Documents Prepared By:
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P.E. No. 43409

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-35436.10

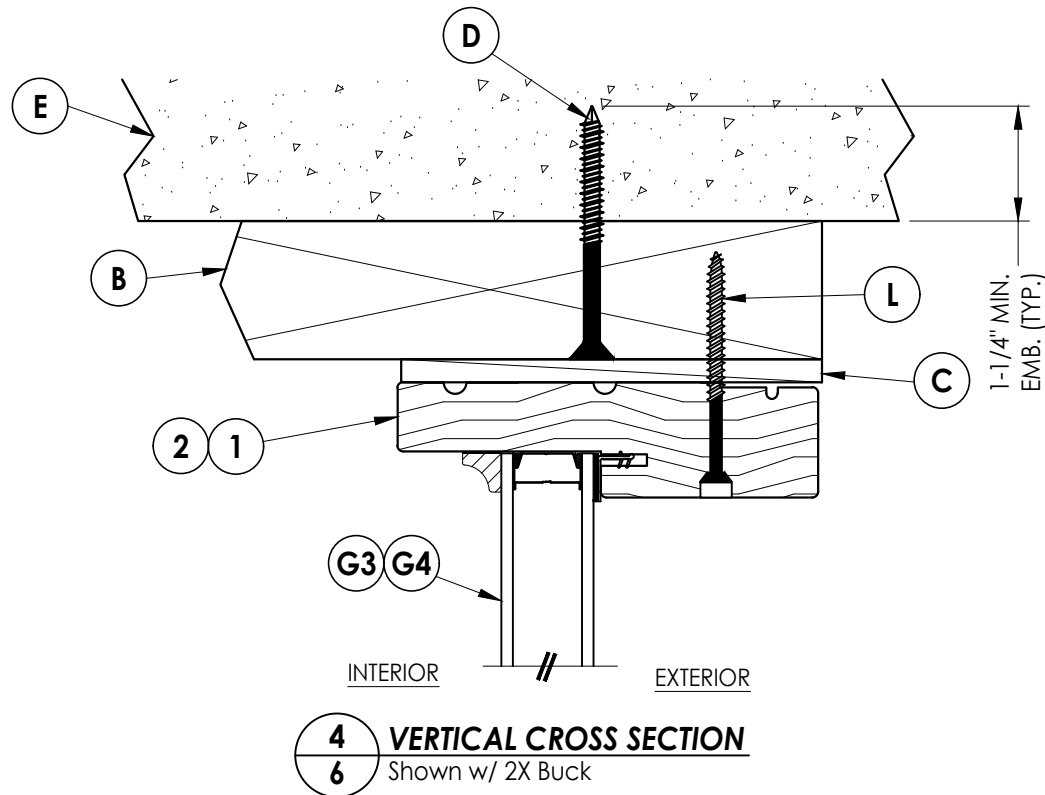
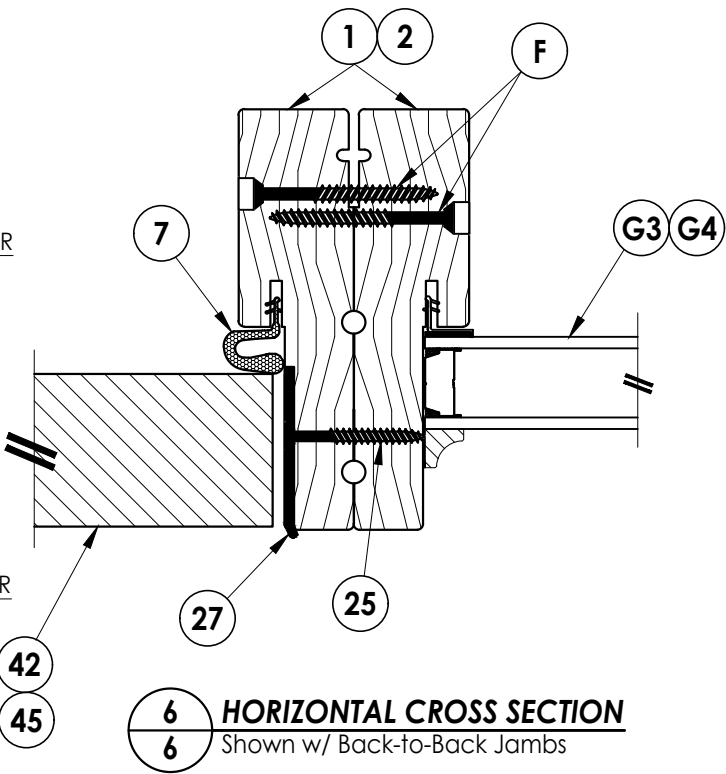
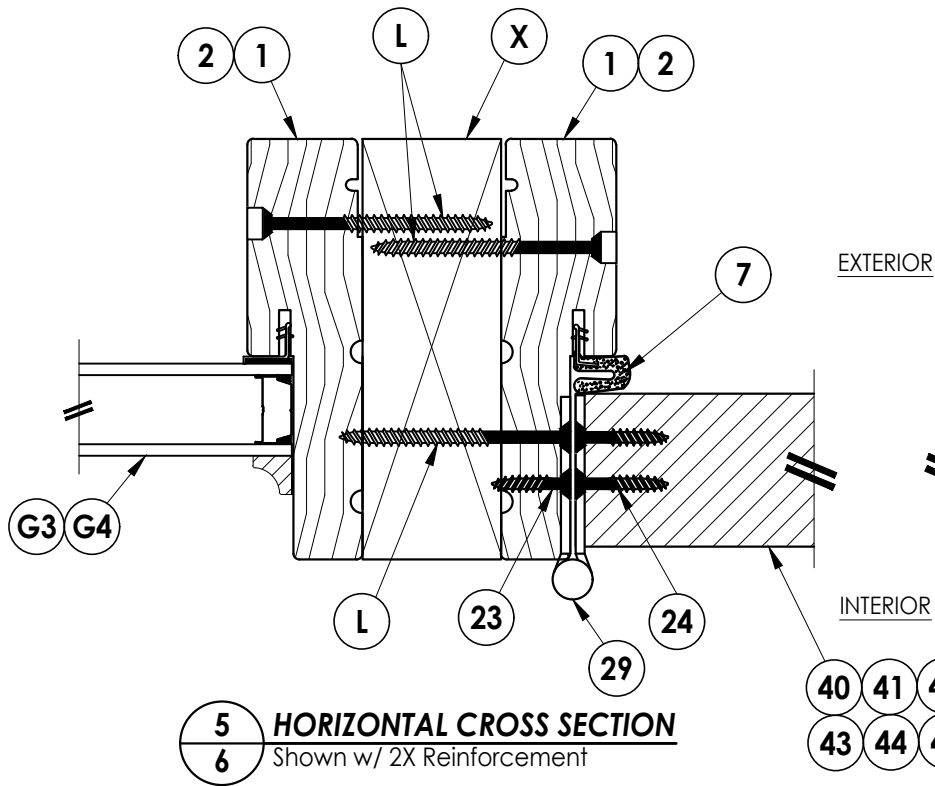
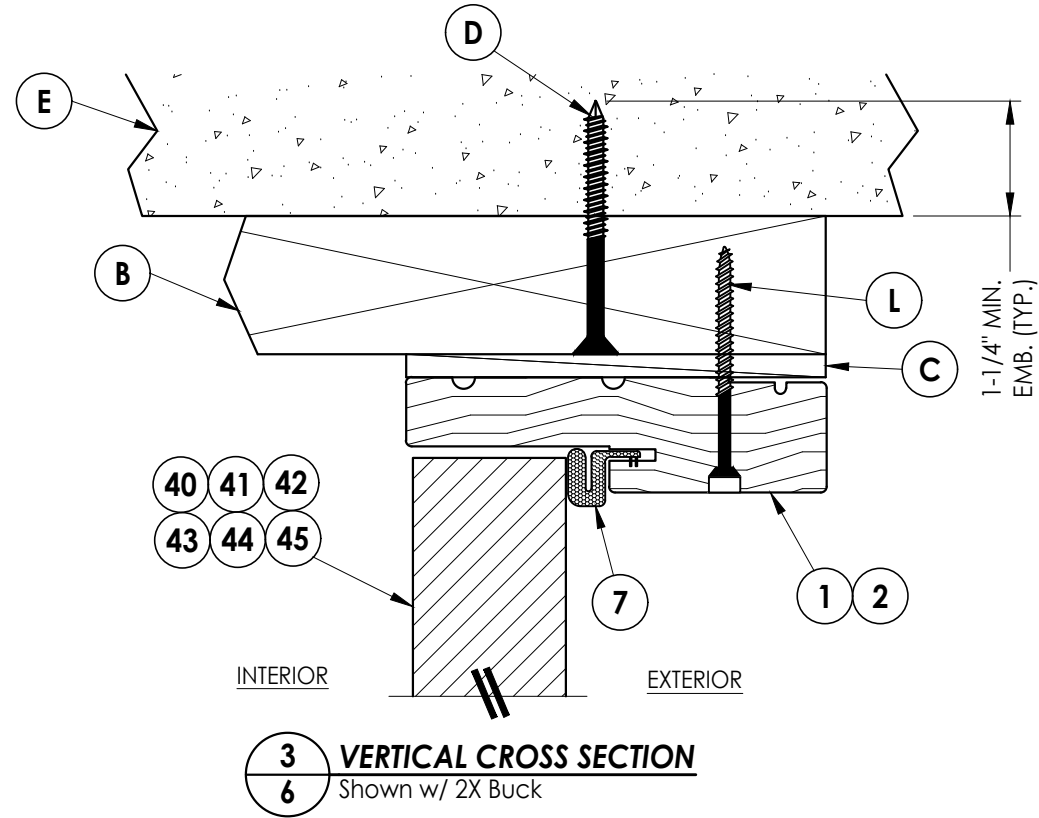
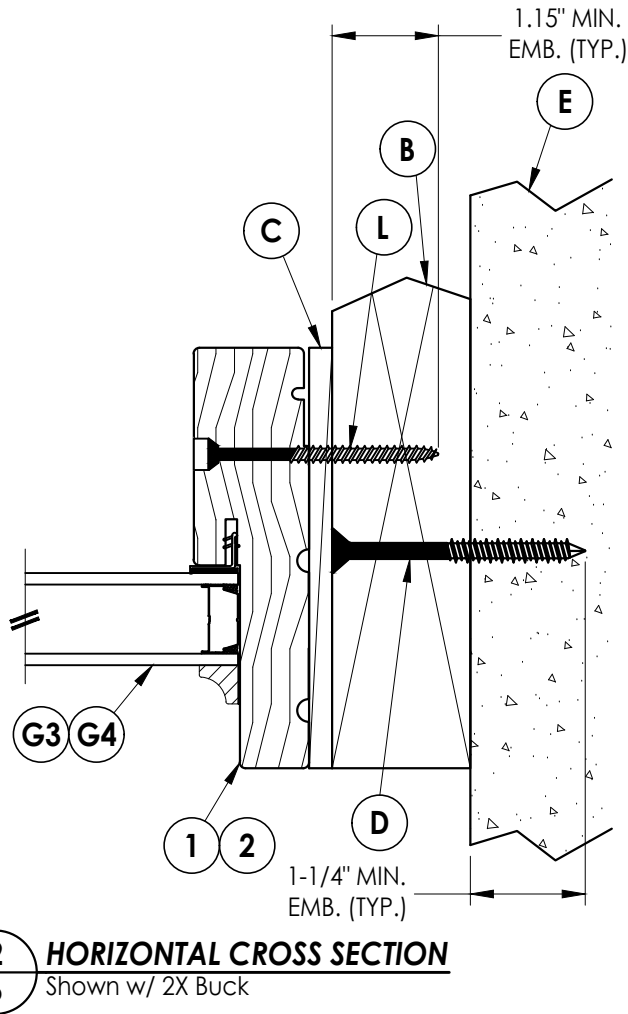
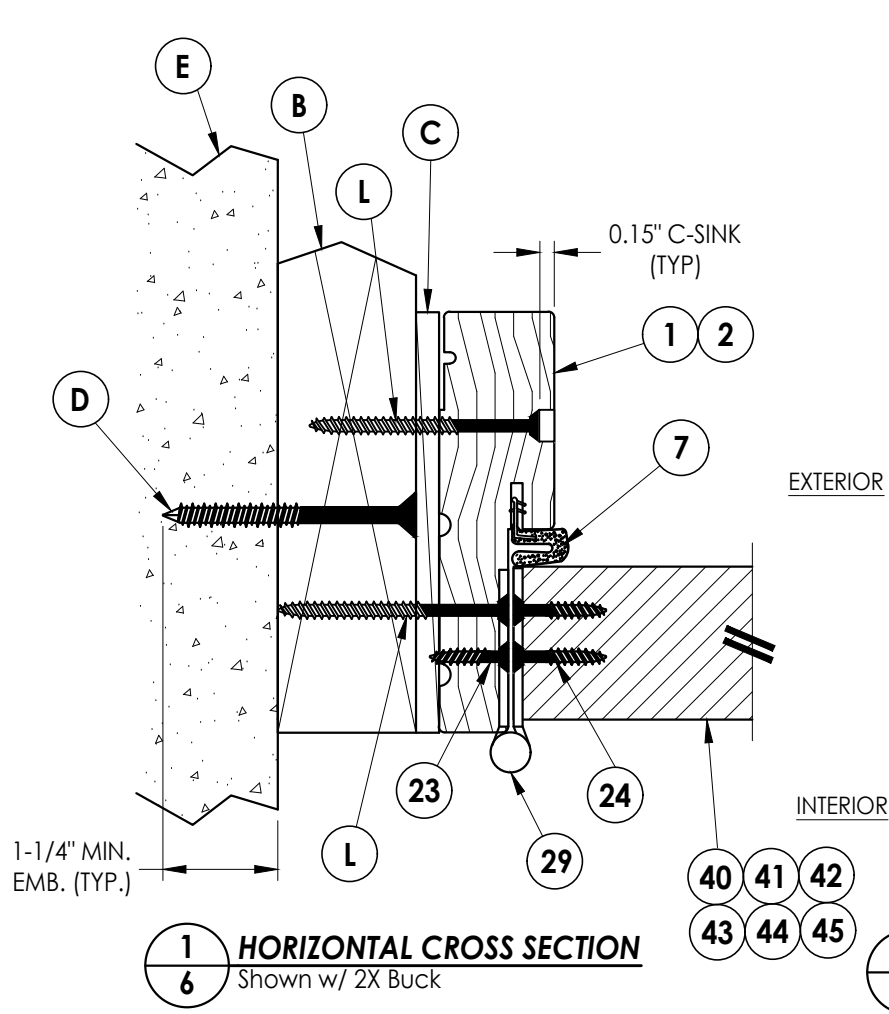
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REVISIONS

2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
1	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	
		BY	
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	7/24/23	UPDATE TO 8TH ED. (2023)	FBC LFS

DATE: 12/10/20

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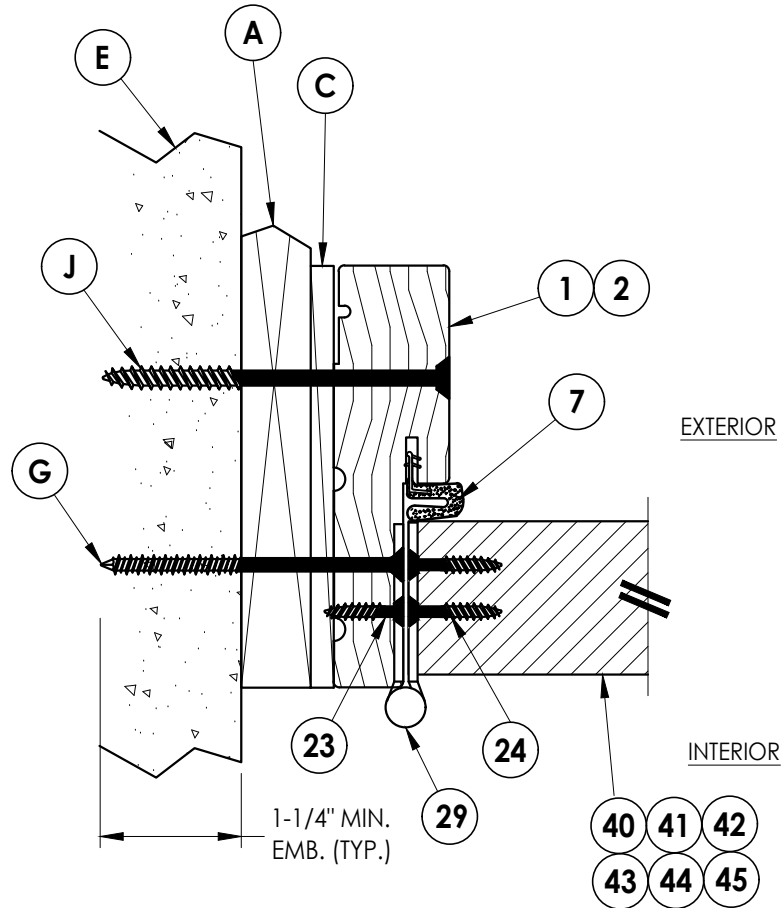
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CHK. BY: LFS

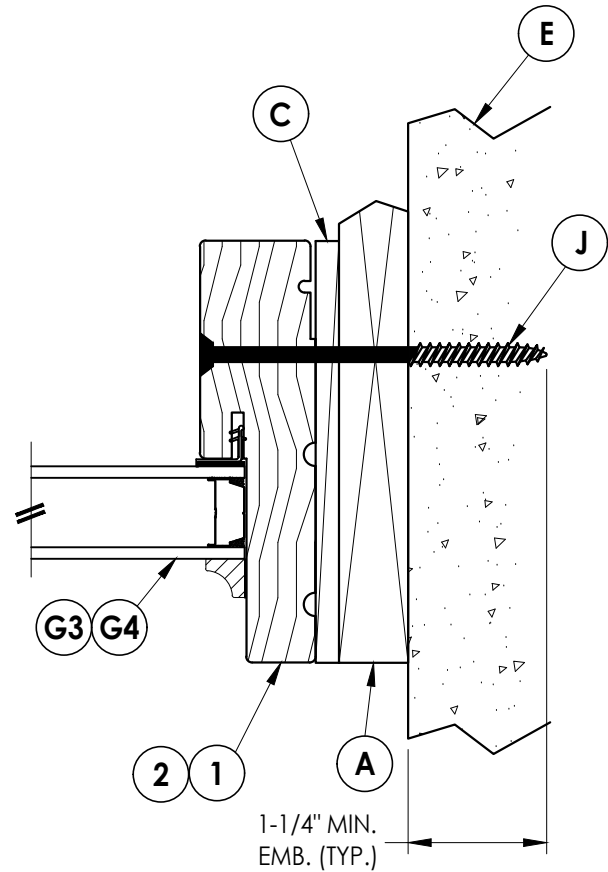
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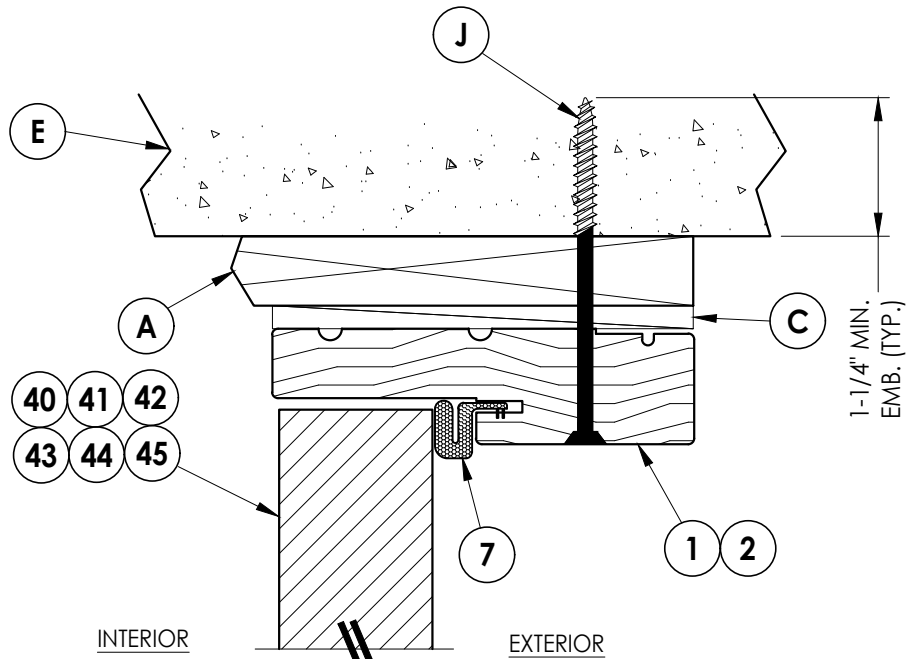
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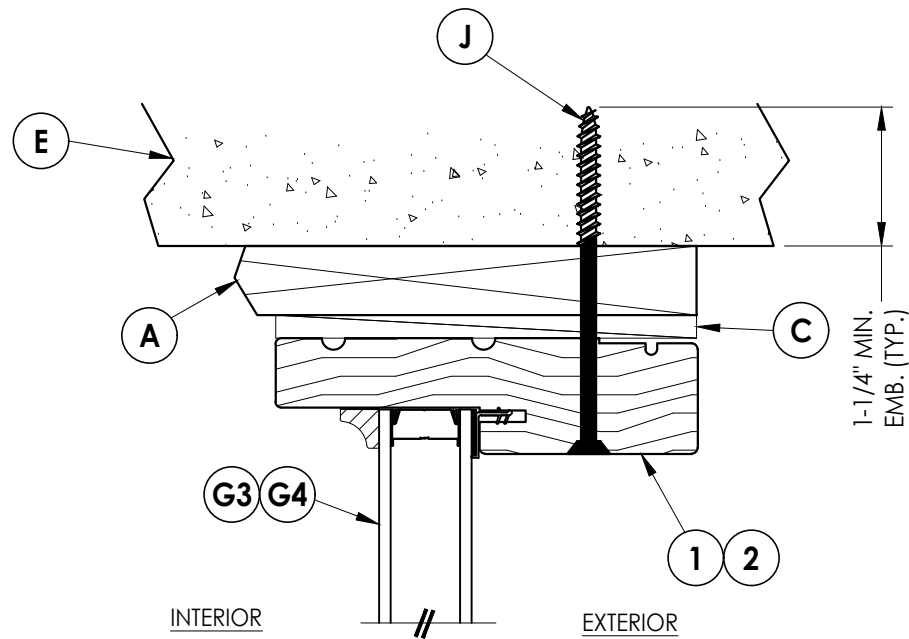
1
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck



2
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck



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



4
7 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck

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Phone No.: 813.659.9197
FBPE Registry License No. 9813

PRODUCT: **THERMA-TRU
FIBERGLASS DOOR**

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

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
2	7/01/26	LFS		UPDATE TO 9TH ED. (2026) FBC
1	7/24/23	LFS		UPDATE TO 8TH ED. (2023) FBC

DATE: 12/10/20

SCALE: N.T.S.

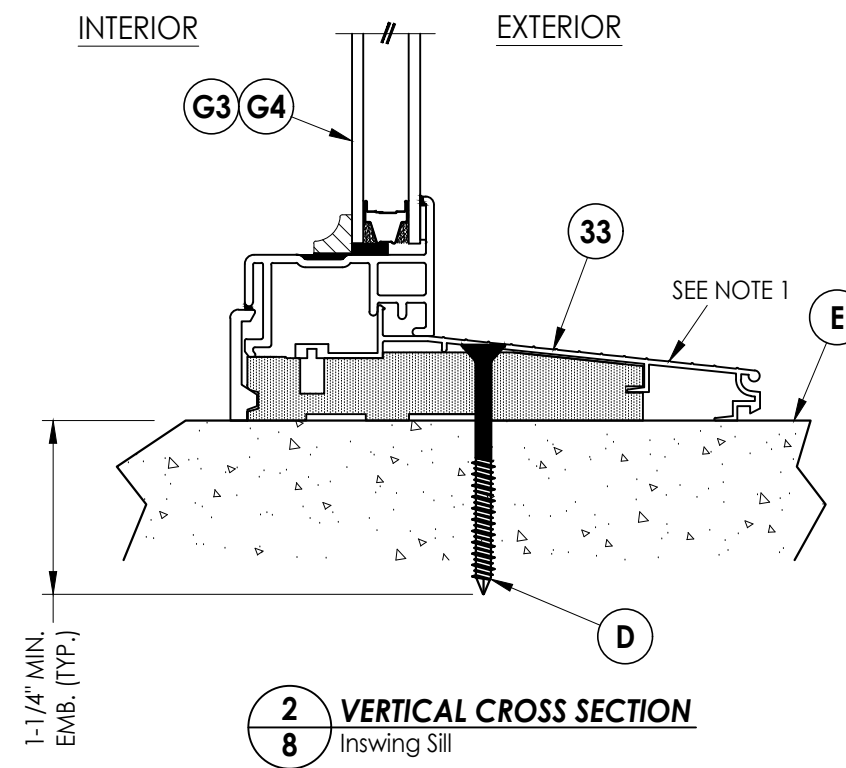
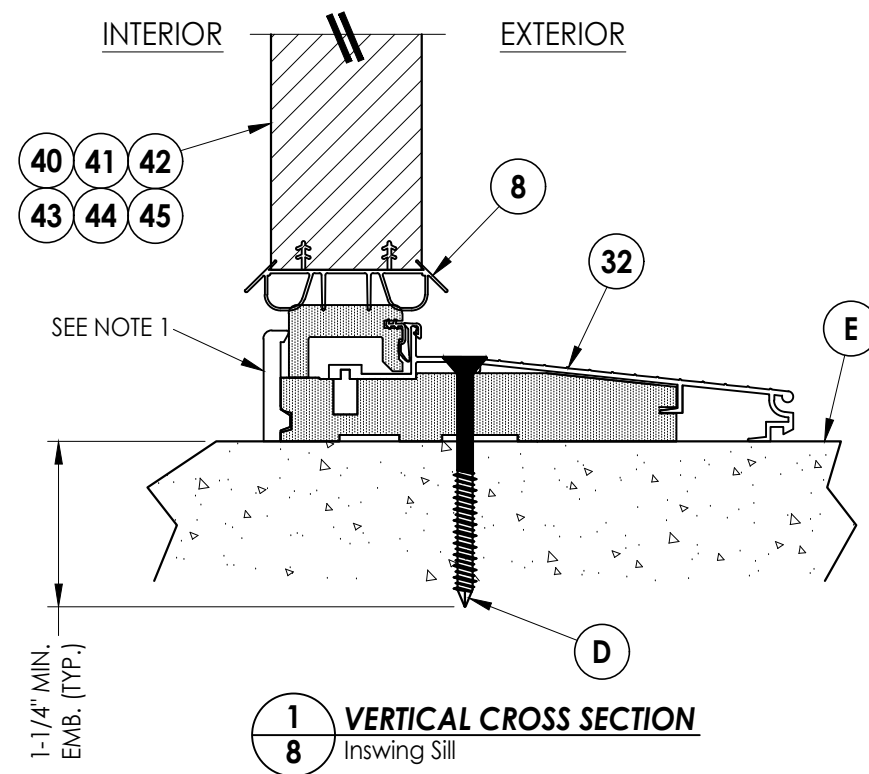
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CHK. BY: LFS

DRAWING NO.:
FL-35436.10

SHEET 7 OF 13

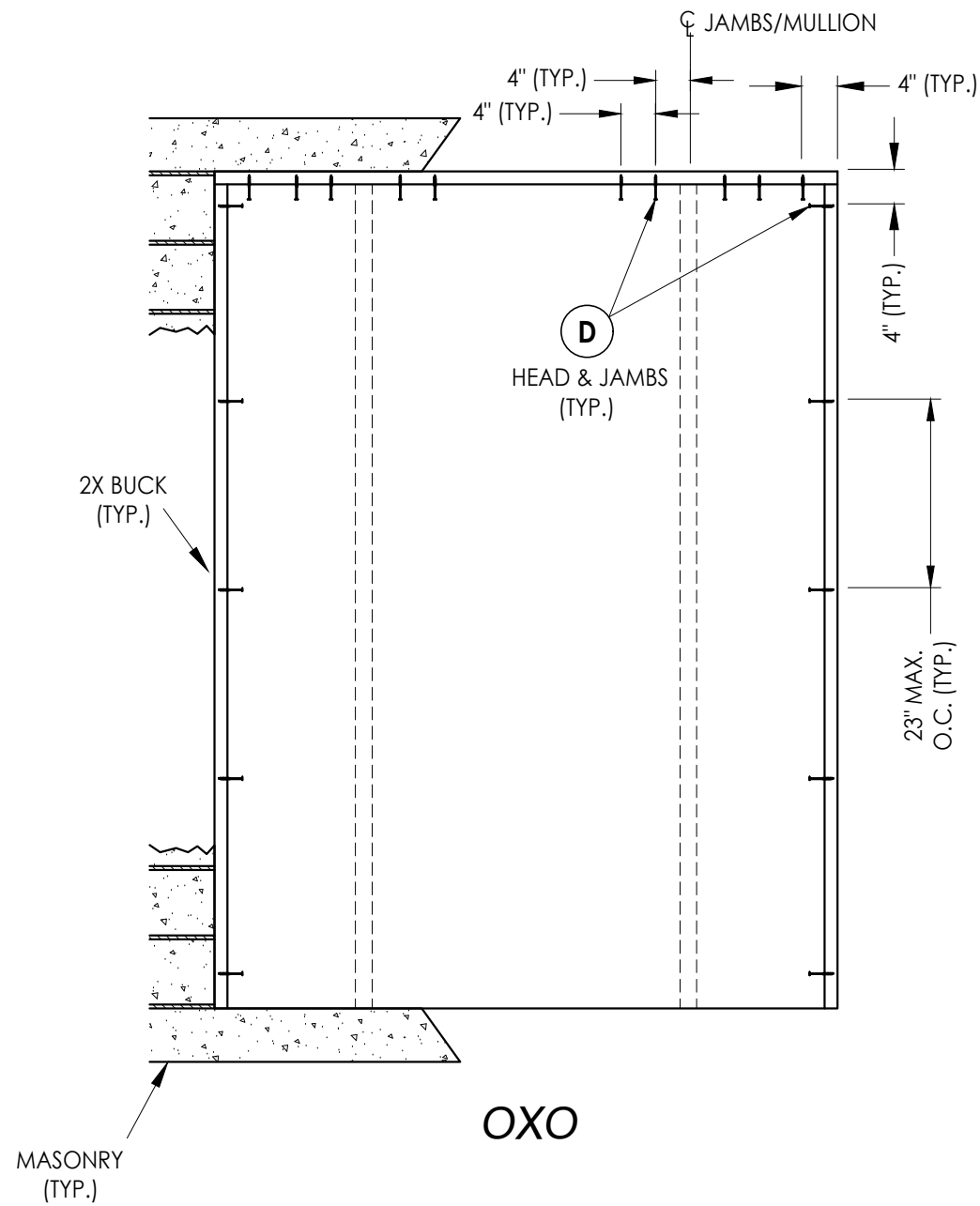
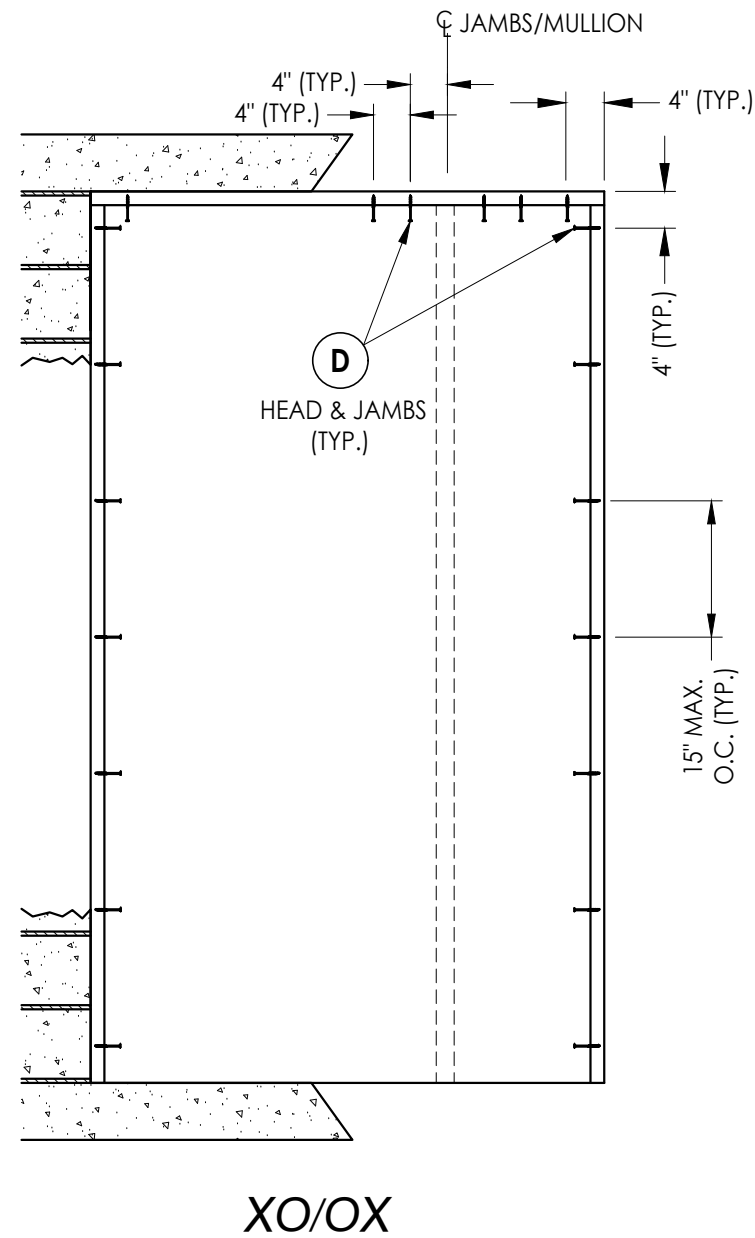
1. Sill Item #'s 32 & 33 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.

[illegible]

DATE:	12/10/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-35436.10
SHEET	8 OF 13

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

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



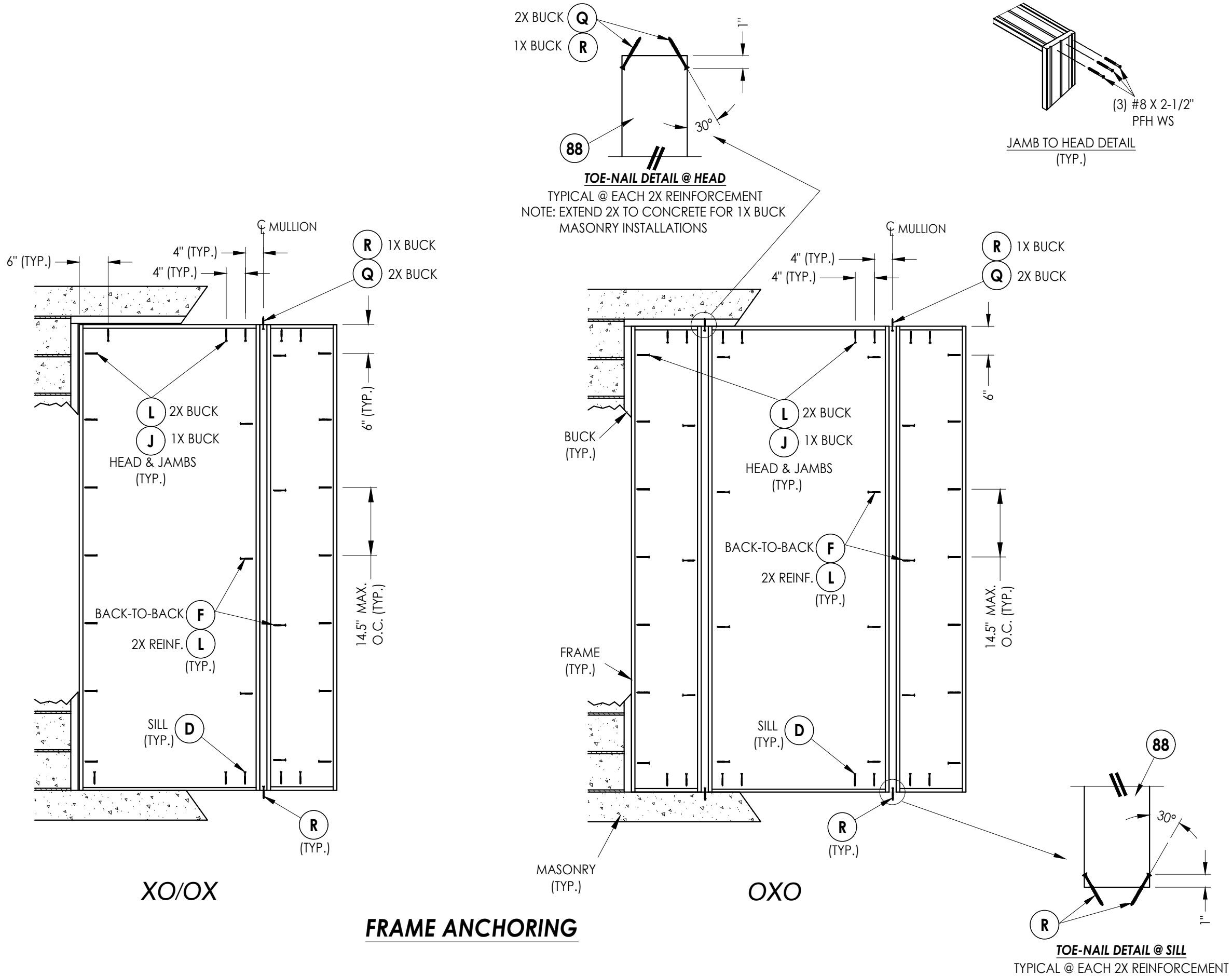
2X BUCK ANCHORING

[illegible]

Documents Prepared By:
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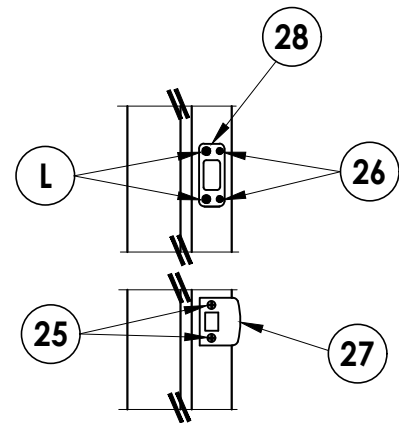


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

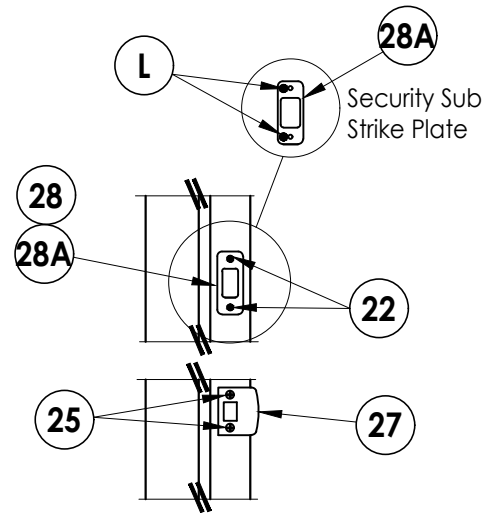
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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PART OR ASSEMBLY:
FRAME ANCHORING

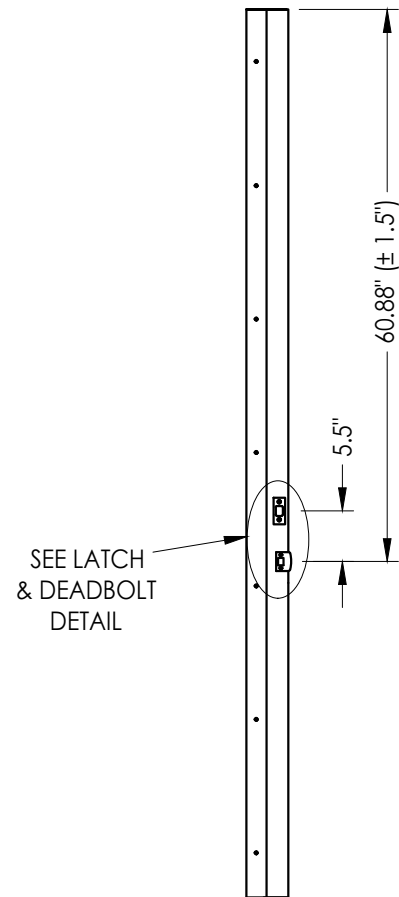


LATCH & DEADBOLT DETAIL
Kwikset

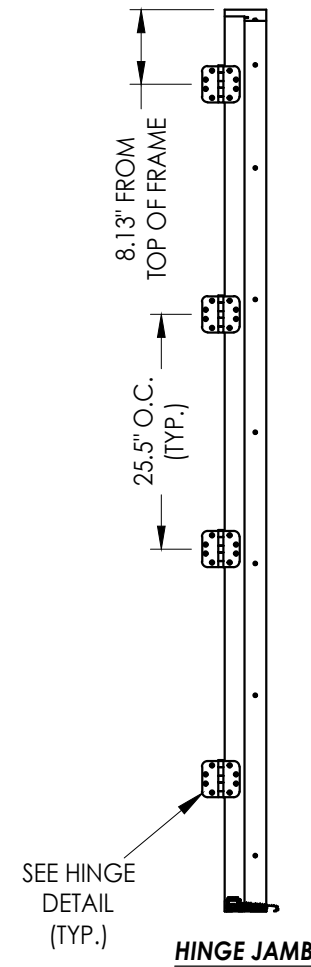


LATCH & DEADBOLT DETAIL
Schlage

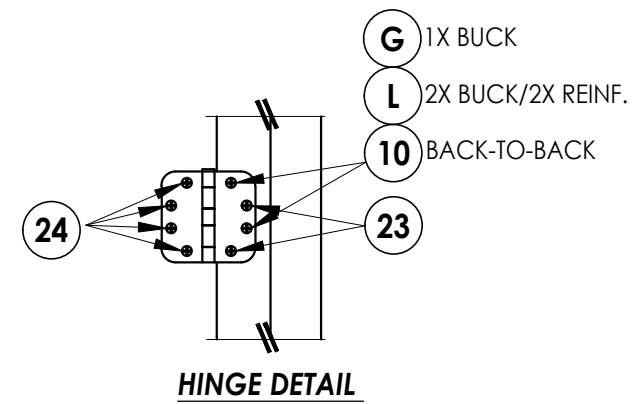
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch & Deadbolt



HINGE JAMB



HINGE DETAIL

2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
1	7/24/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
NO.	DATE				
					REVISIONS

DATE: 12/10/20

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:

FL-35436.10

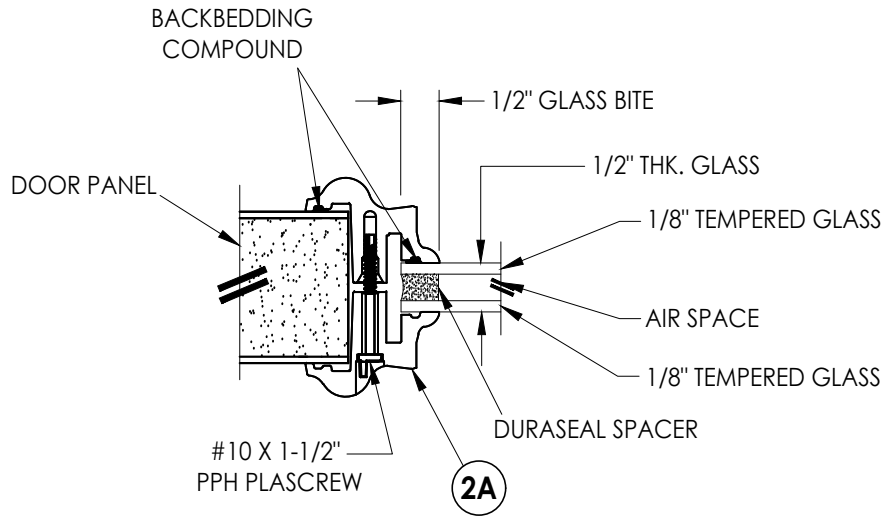
SHEET 11 OF 13

Documents Prepared By:
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P.E. No. 43409

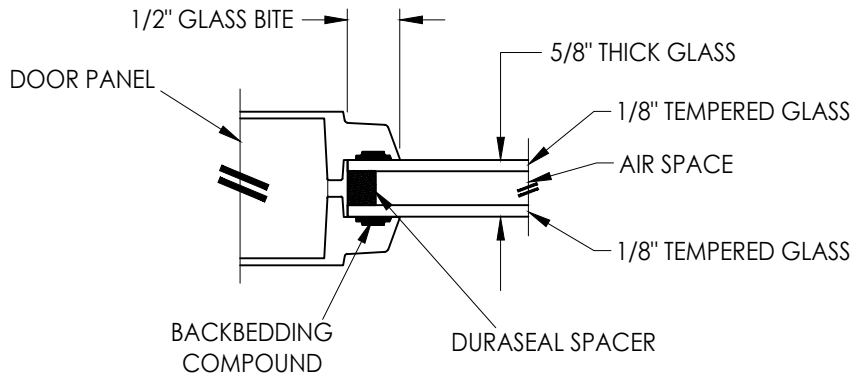
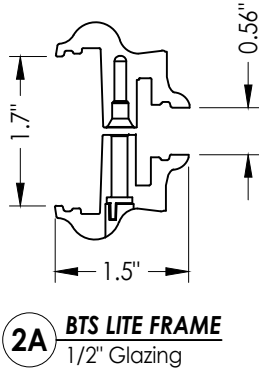
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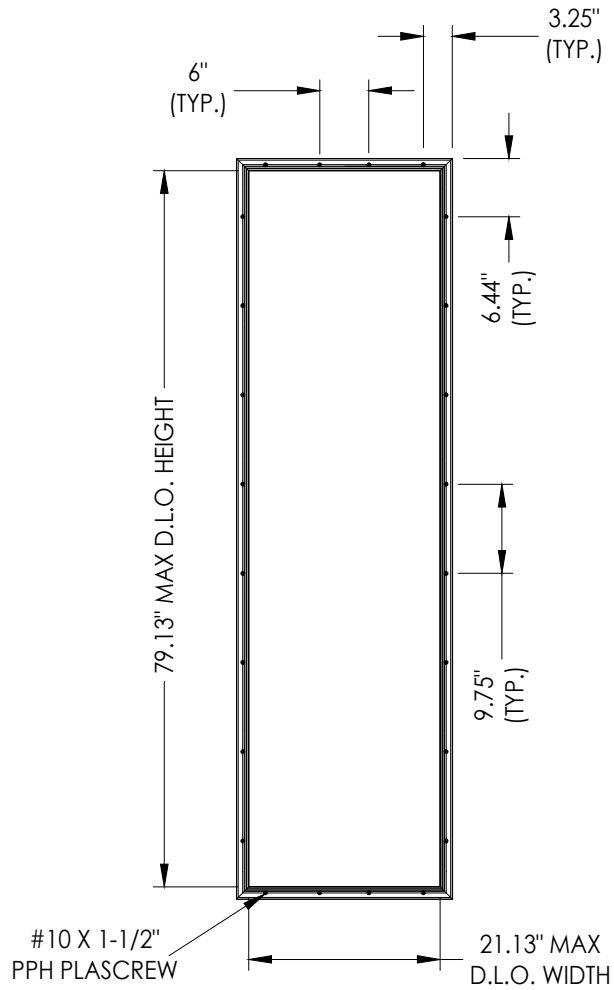
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G1 GLAZING DETAIL
BTS Lite Frame
Door Panels



G2 GLAZING DETAIL
Flush Glazing
Door Panels



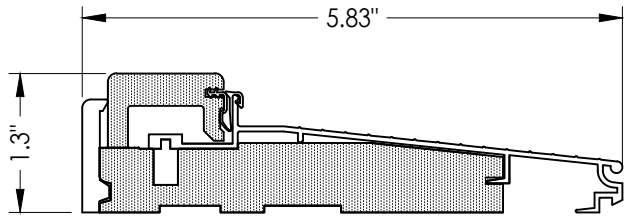
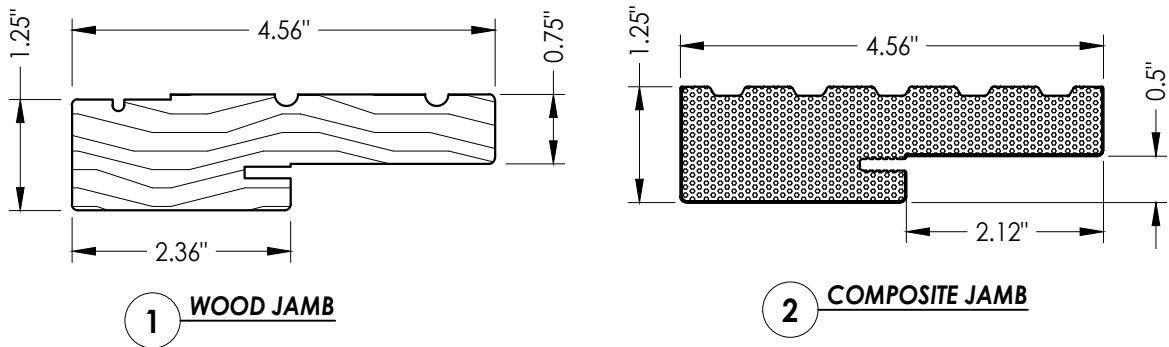
BTS Full Lite Frame

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: GLAZING DETAILS	
		LFS	BY
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	
1	7/24/23	UPDATE TO 8TH ED. (2023)	
NO.	DATE		
REVISIONS			
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.10			
SHEET 12 OF 13			

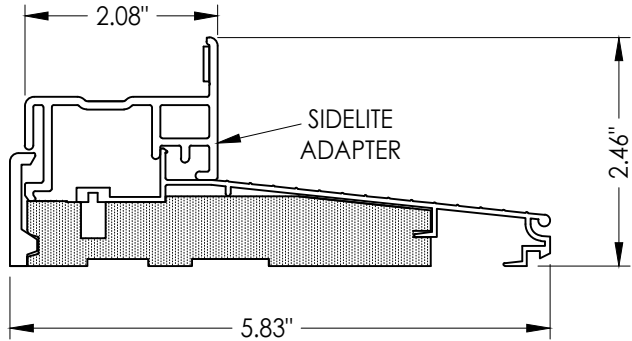
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
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
Q	#10 X 3" PFH WOOD SCREW (1.75" MIN. EMBEDMENT)	STEEL
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
X	2X REINFORCEMENT (SG = 0.55)	WOOD
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
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	#8 X 1-1/2" 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
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-

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



32 INSWING THRESHOLD
Adjustable Composite Sill



33 INSWING THRESHOLD w/ SIDELITE ADAPTER
Composite Sill

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"	3"	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	
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