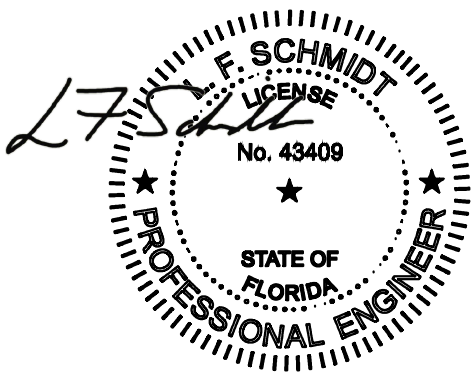




Digitally signed by Lyndon F Schmidt
Date: 2026.08.06 16:15:53 -04'00'

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

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

GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- Benchmark Door and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.

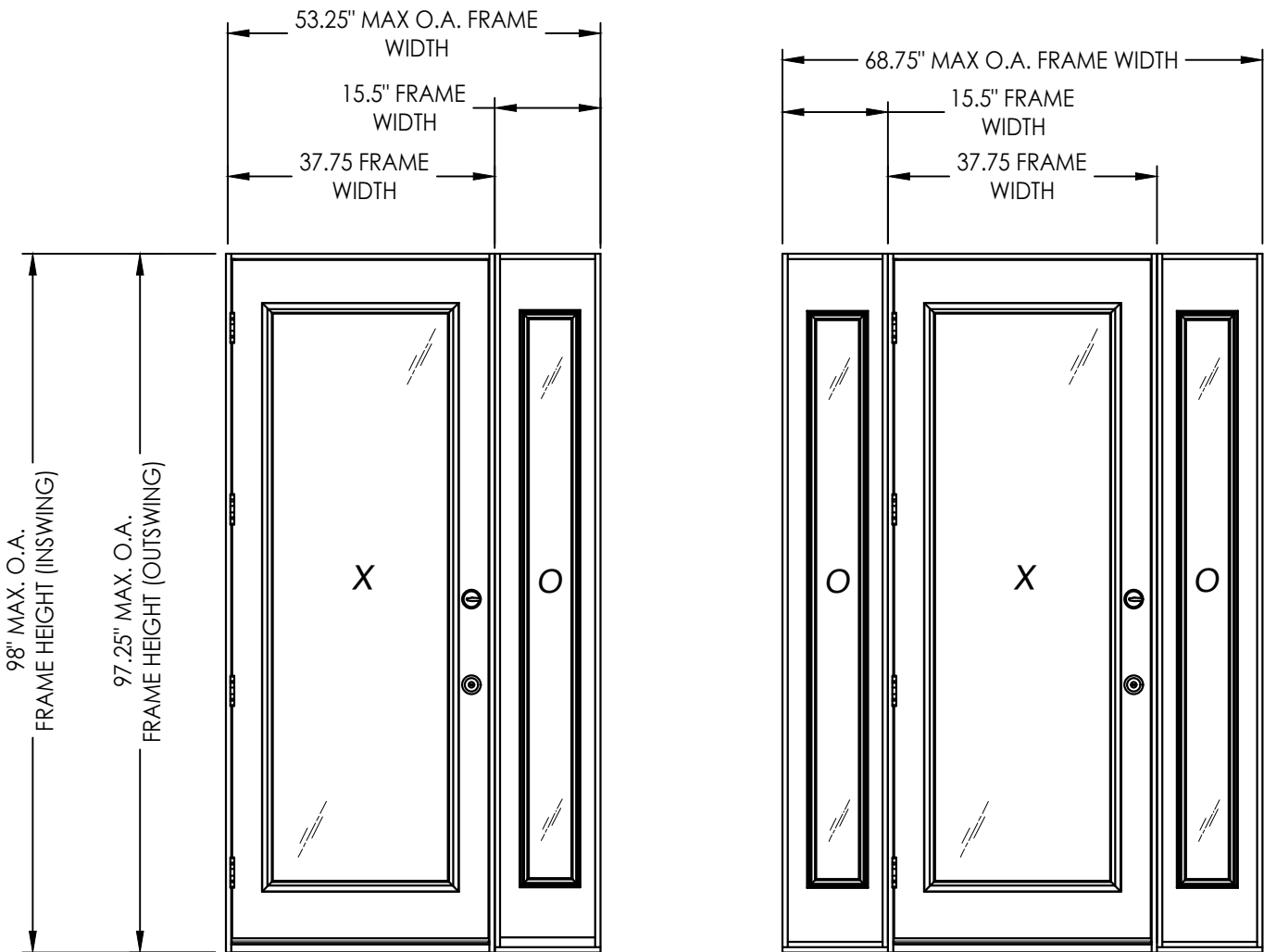


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2	Door Panel Details	10	Vertical Cross Sections (Thresholds)
3	Door Panel Details	11	Buck Anchoring
4	Door Panel Details	12	Frame Anchoring
5	Sidelite Panel Details	13	Hardware Details
6	Elevations	14	Glazing details
7	Horizontal & Vertical Cross Sections (2X Buck)	15	Components
8	Horizontal & Vertical Cross Sections (1X Buck)	16	Bill of Materials

CONFIGURATION	LITE INSERT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	Lip Lite	+47.0	-47.0	+47.0	-47.0
XO, OX, OXO	Flush Glazed	+45.0	-45.0	+45.0	-45.0
XO, OX, OXO	3/4 Flush Glazed	+35.0	-35.0	+35.0	-35.0

See Sheet 6 for Hardware Specifications

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

CHK. BY: LFS

DRAWING NO.: FL-21135.17

SHEET 1 OF 16

Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

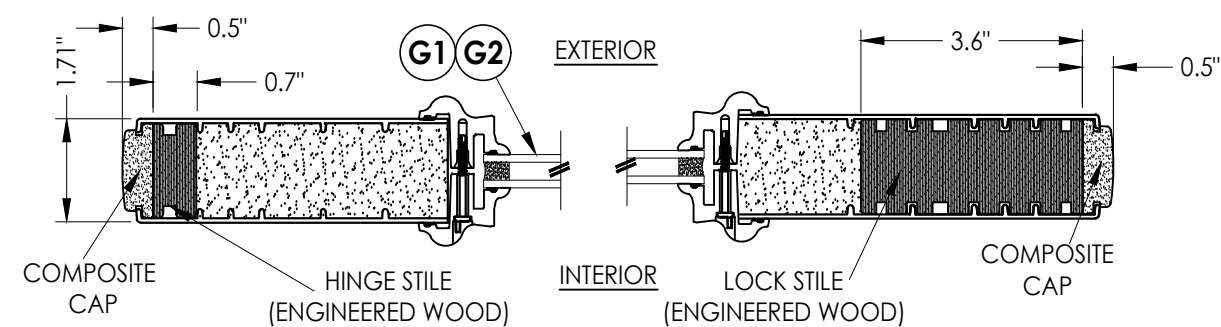
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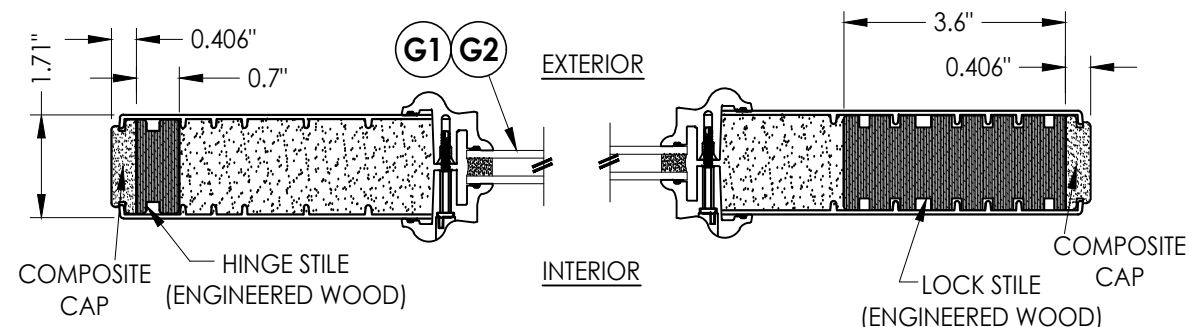
1 7/16/20 UPDATE TO 7th ED (2020) FBC PO

NO. DATE BY

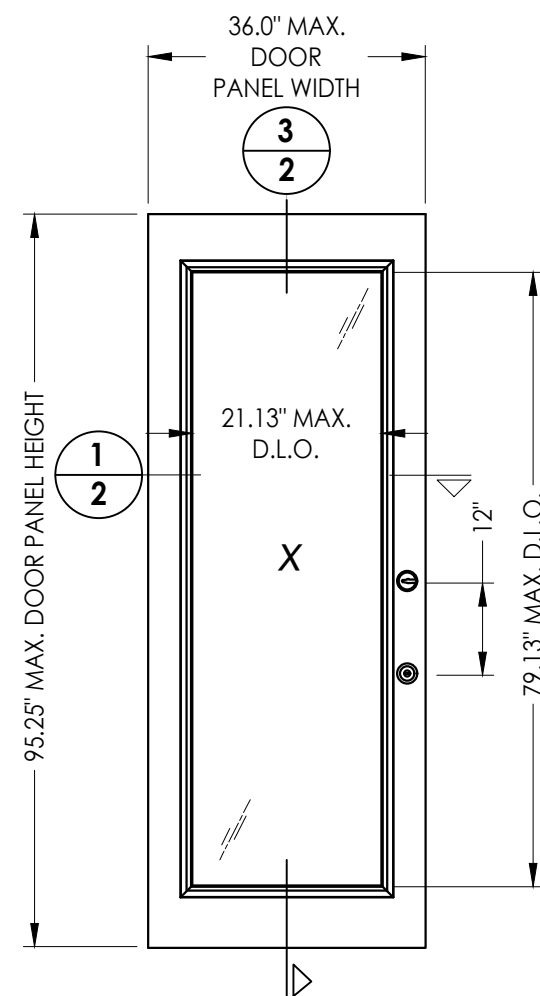
Building Consultants, Inc.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



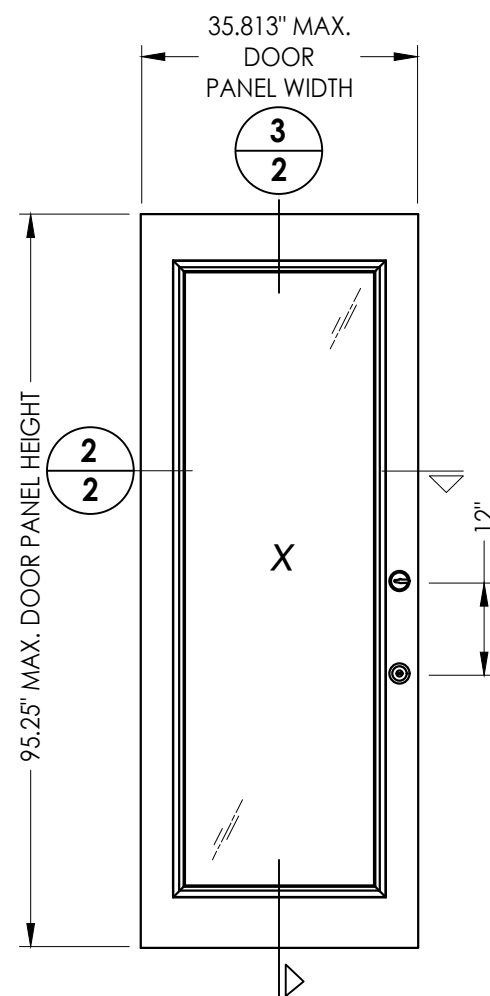
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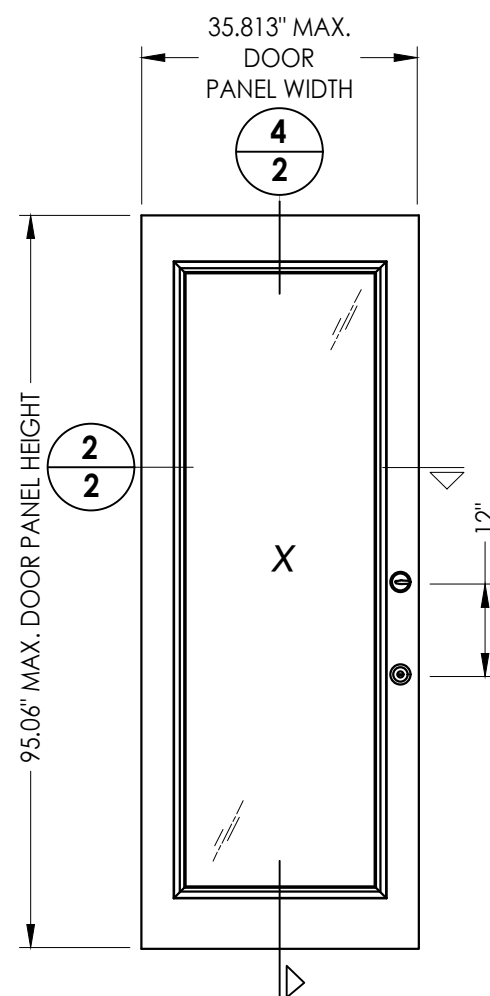
2 HORIZONTAL CROSS SECTION
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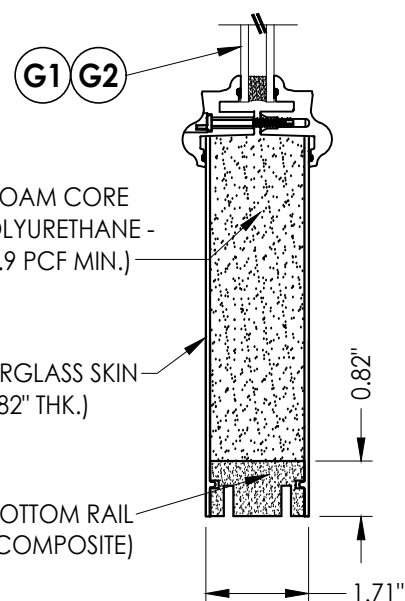
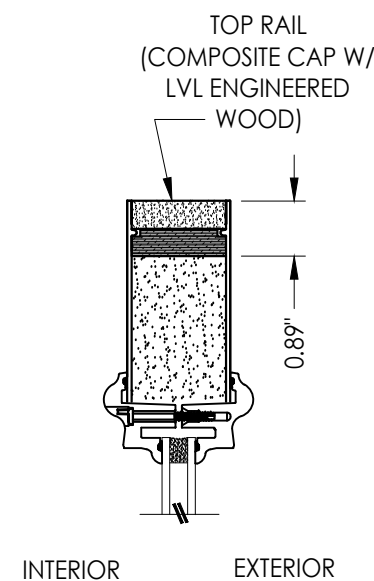
40 DOOR PANEL
BOOK



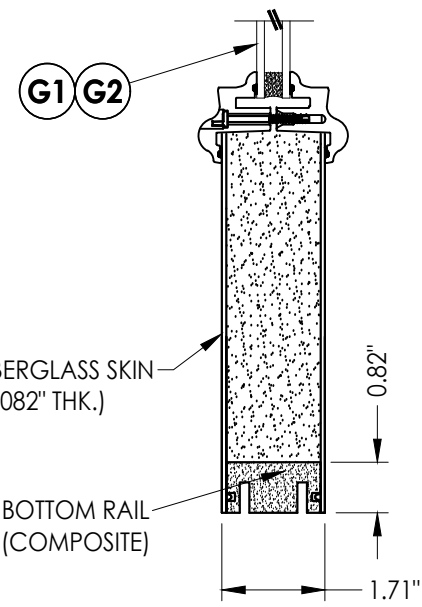
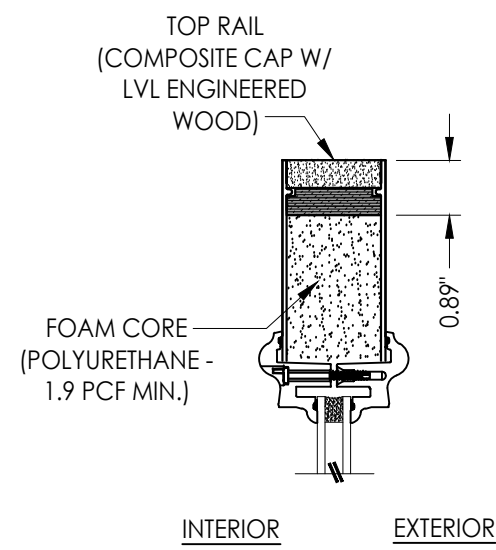
41 DOOR PANEL



42 DOOR PANEL
U1 Door



3 VERTICAL CROSS SECTION



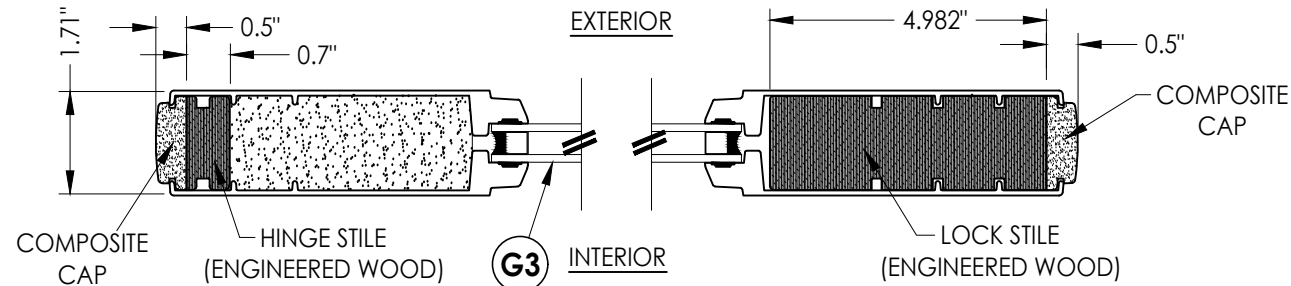
4 VERTICAL CROSS SECTION

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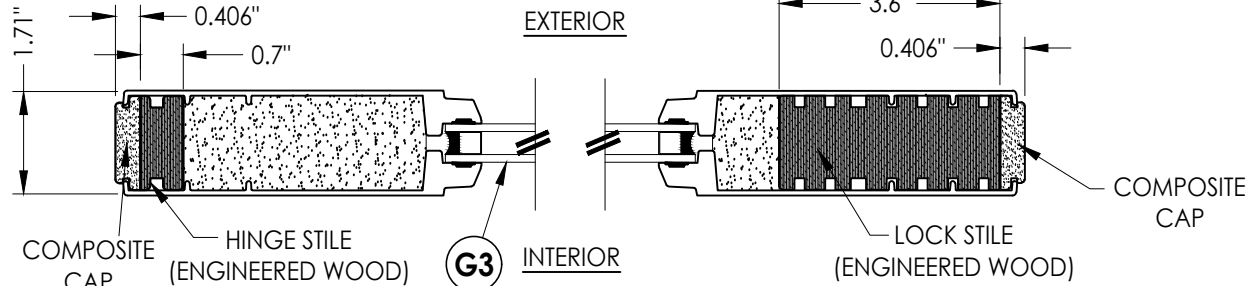
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

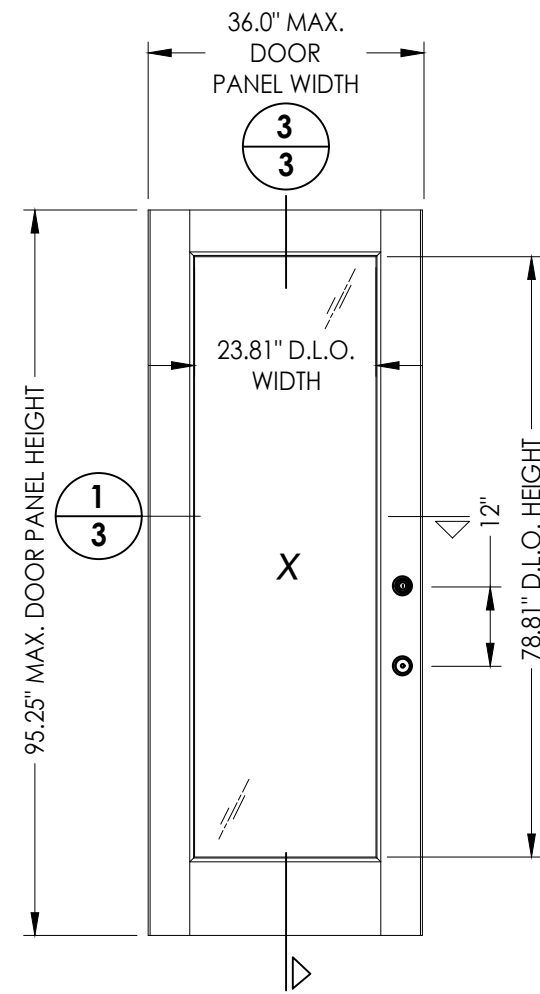
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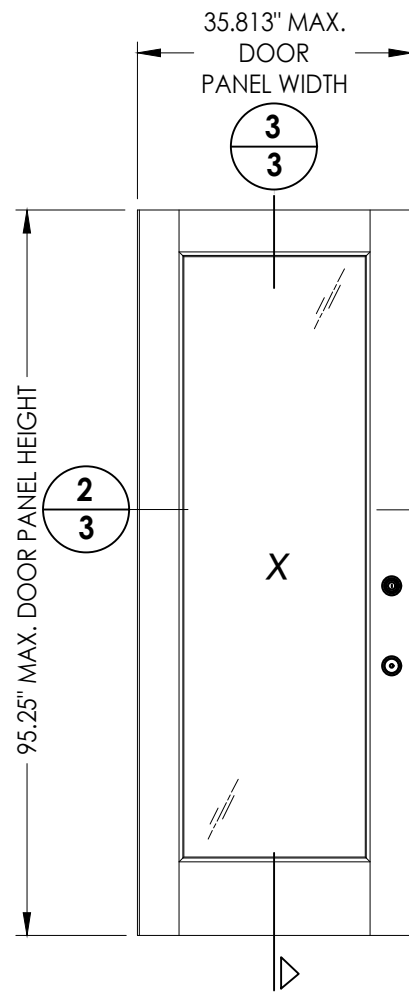
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3 HORIZONTAL CROSS SECTION



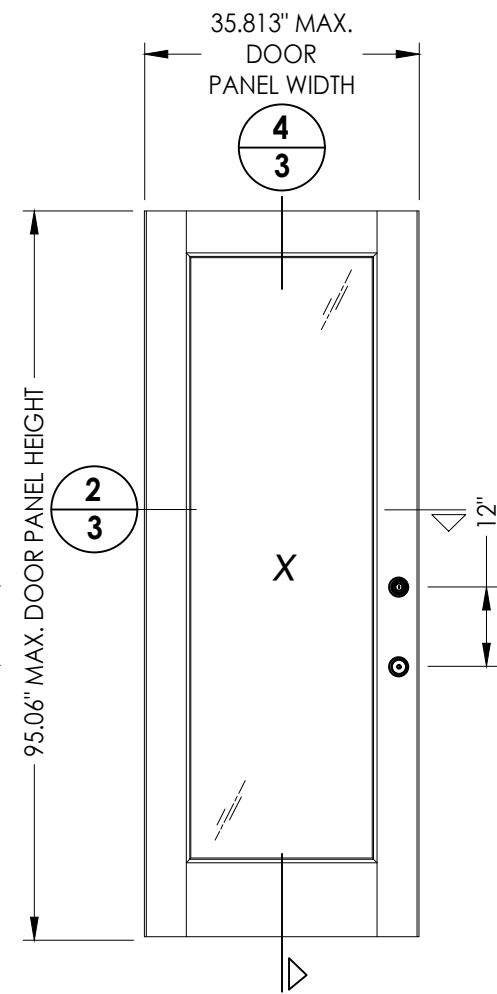
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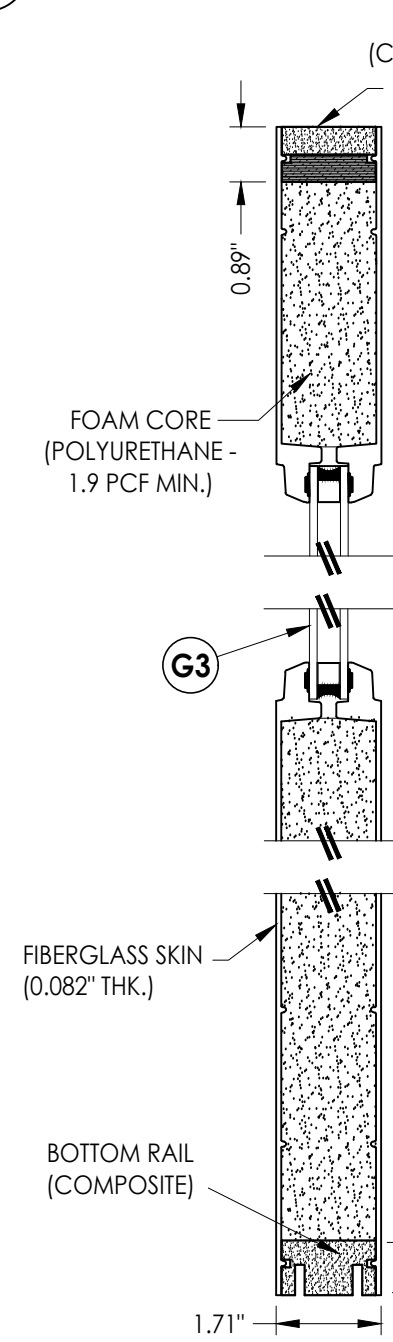
43 DOOR PANEL BOOK



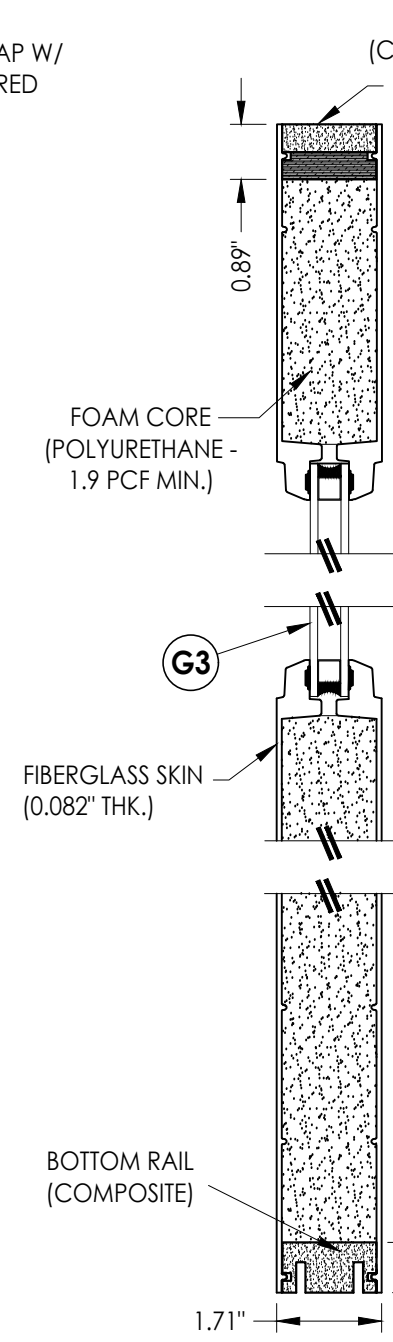
44 DOOR PANEL Hybrid Door



45 DOOR PANEL U1 Door



3
3 VERTICAL CROSS SECTION



4
3 VERTICAL CROSS SECTION

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

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P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

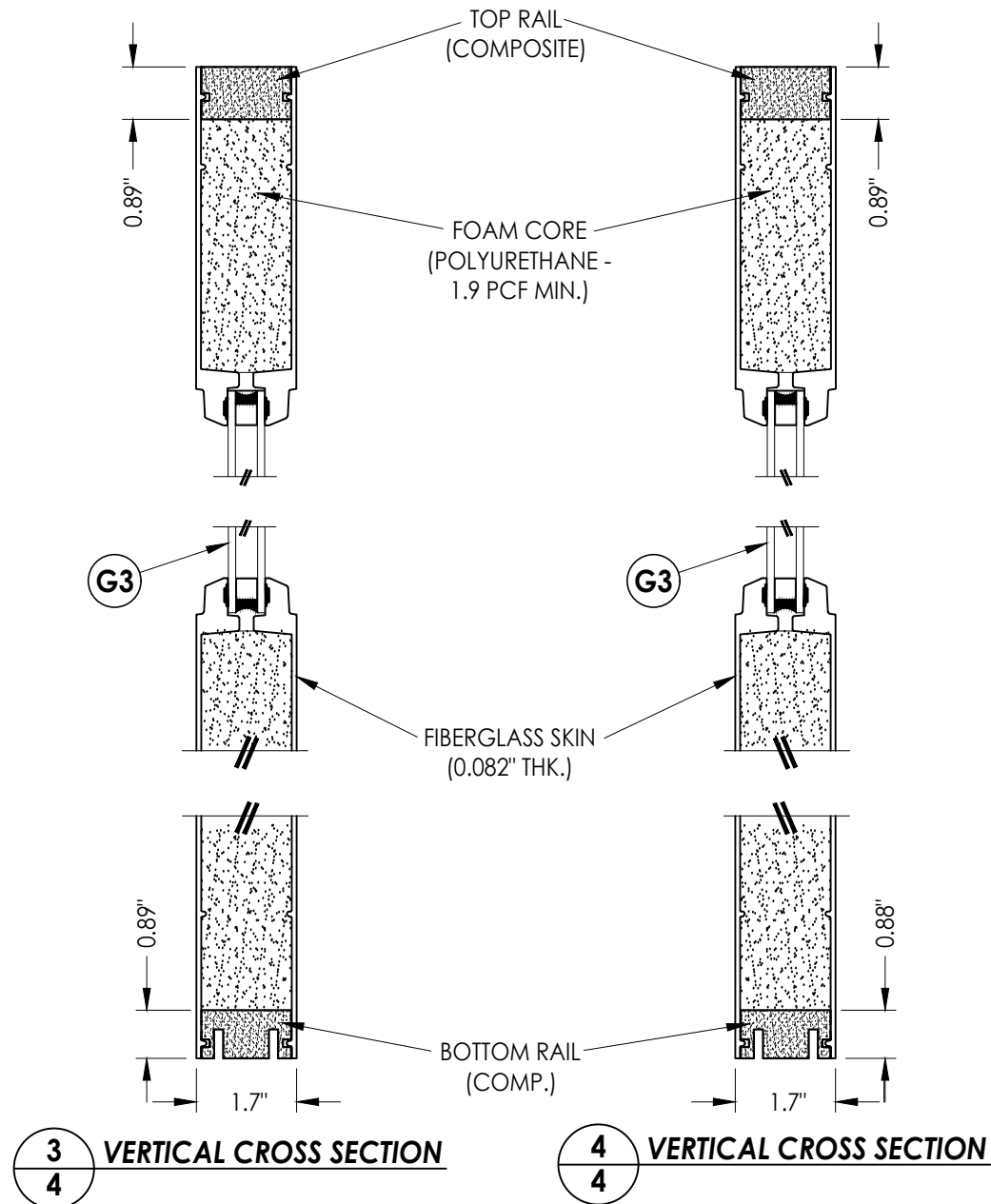
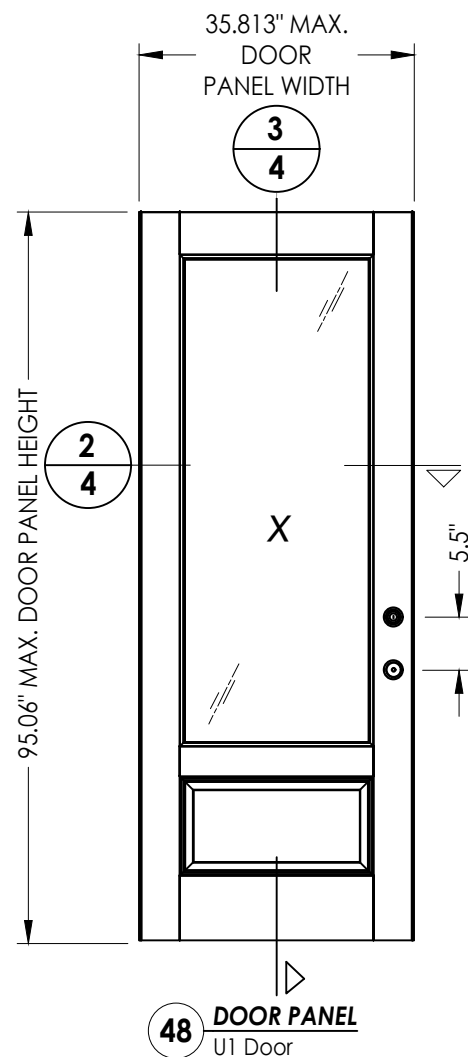
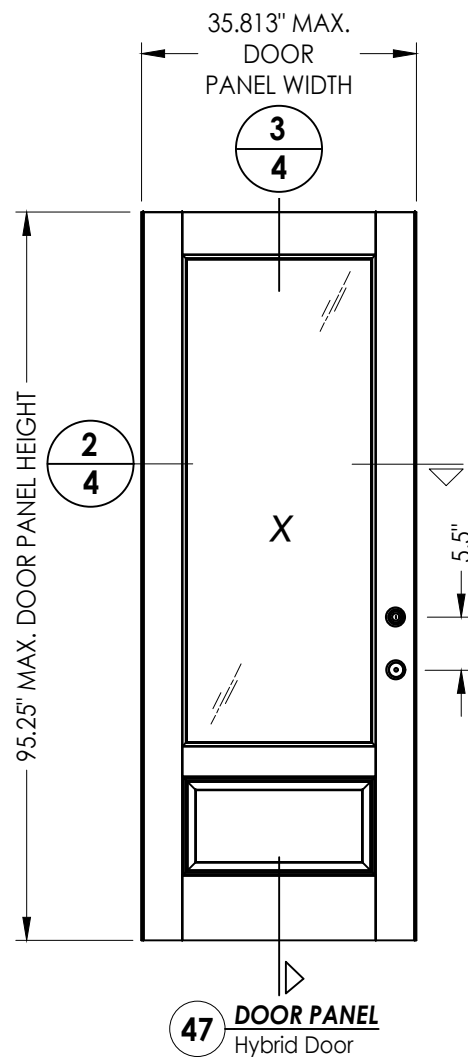
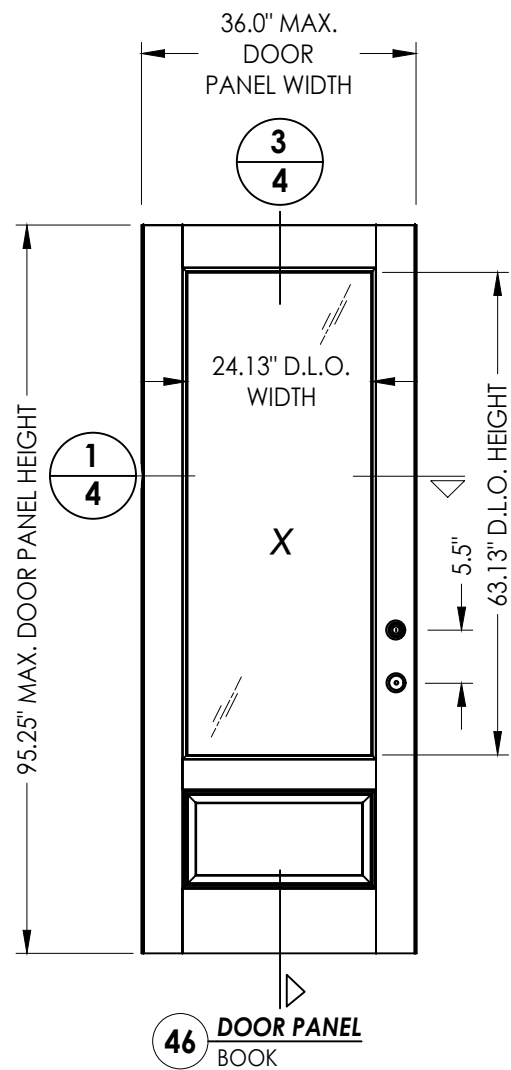
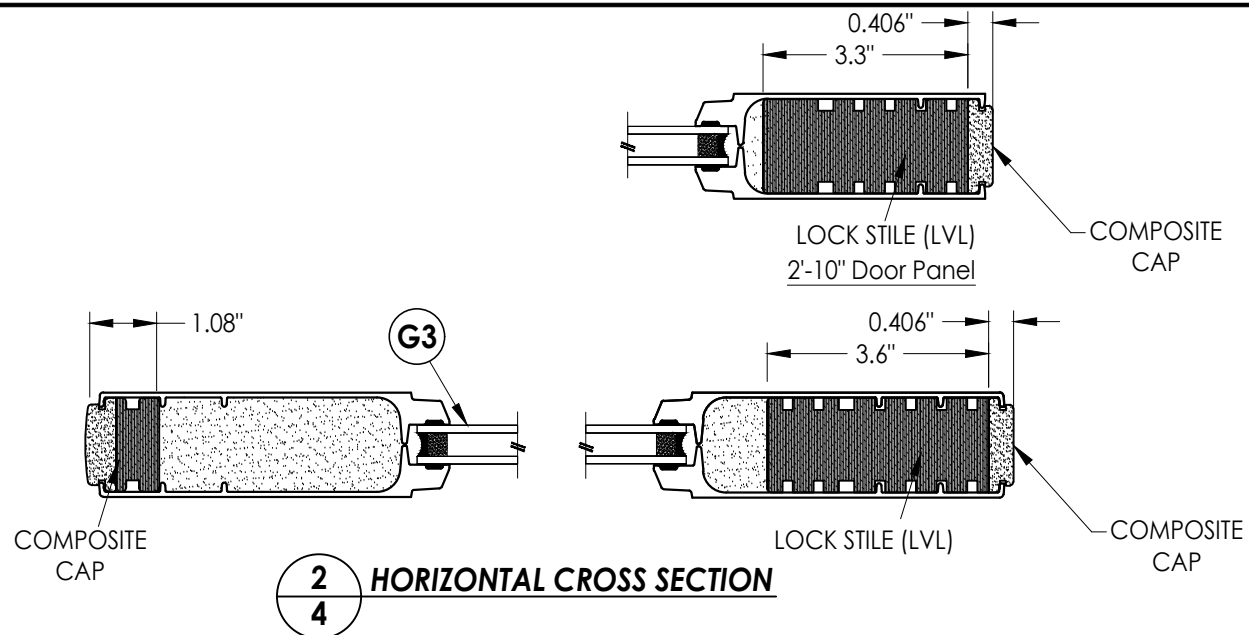
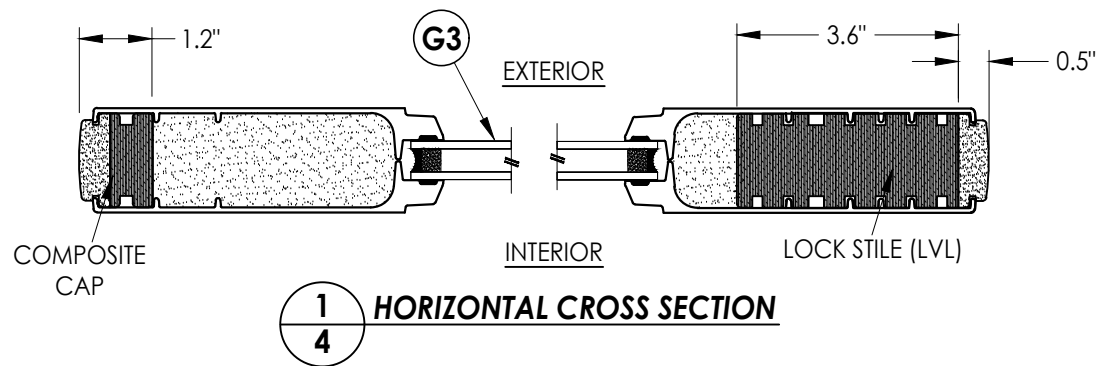
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	PART OR ASSEMBLY:	DOOR PANEL DETAILS

NO.	DATE	REVISIONS			
		BY	PO	LFS	FBC
3	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	7/16/20	UPDATE TO 7TH ED. (2020)	FBC	PO	

DATE:	03/07/20
SCALE:	N.T.S.
DWG. BY:	TJ
CHK. BY:	LFS
DRAWING NO.:	FL-21135.17
SHEET	3 OF 16

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R7\FL-21135.14 - 17.dwg



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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 03/07/20

SCALE: N.T.S.

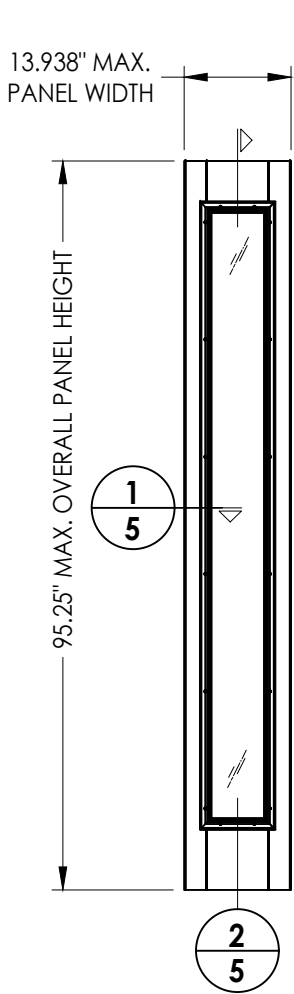
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CHK. BY: LFS

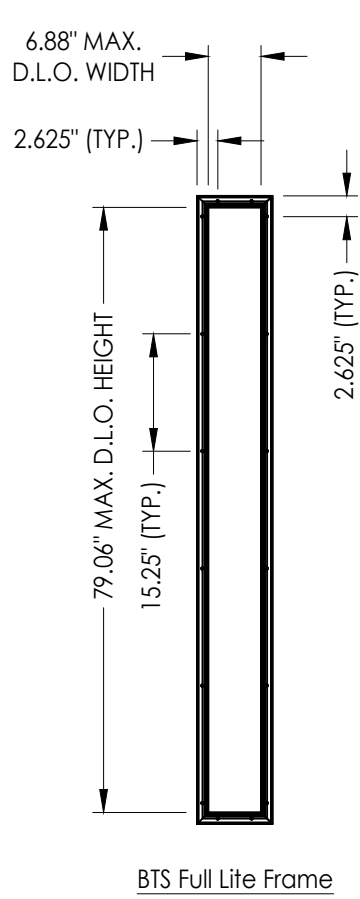
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SHEET 4 of 16

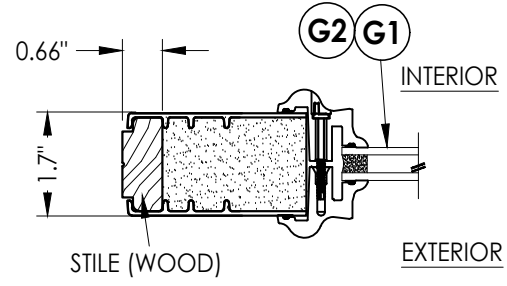
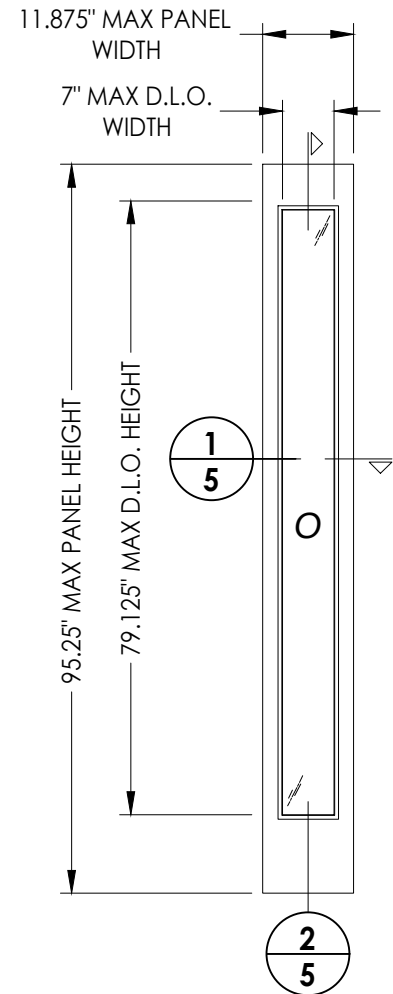
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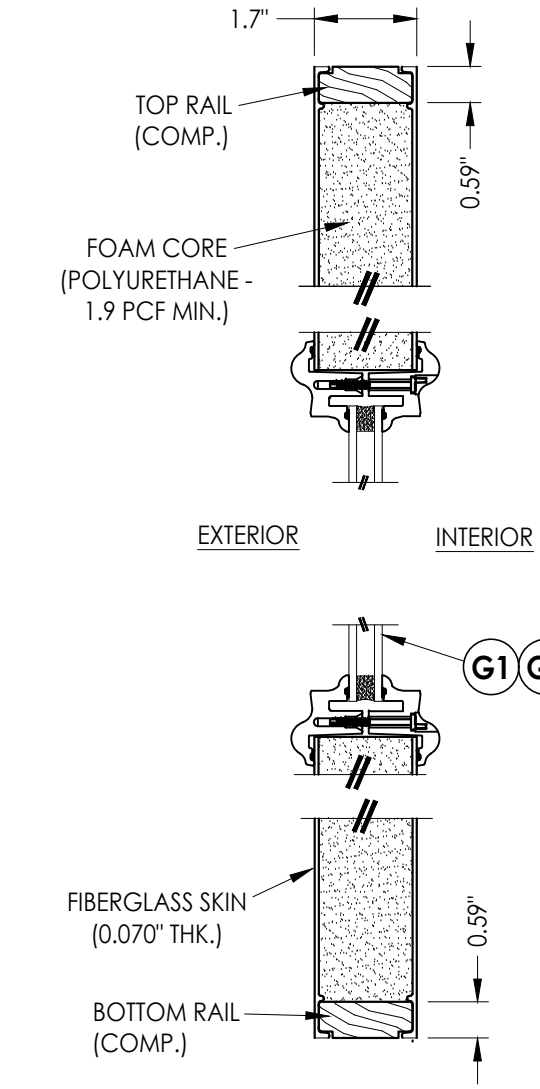
50 SIDELITE PANEL
FULL LITE
LIP LITE



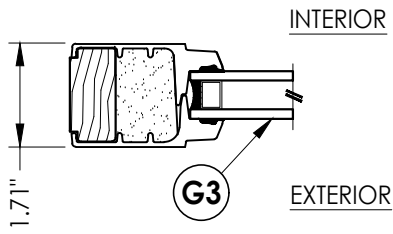
60 SIDELITE PANEL
FULL LITE
FLUSH GLAZED



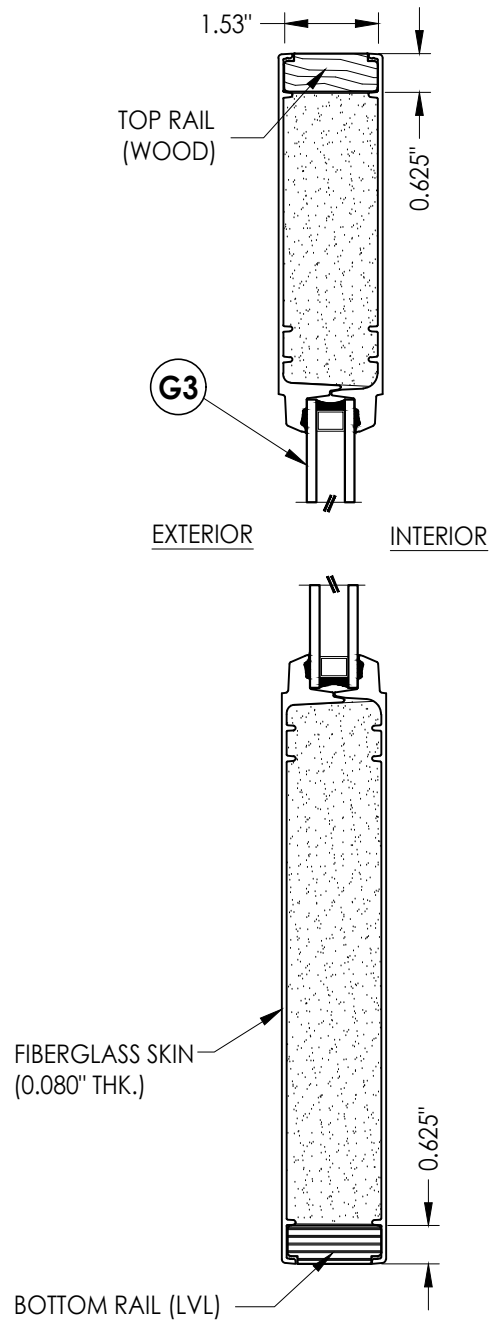
1 HORIZONTAL CROSS SECTION
5 Lip Lite Glazing



2 VERTICAL CROSS SECTION
5 Lip Lite Glazing



3 HORIZONTAL CROSS SECTION
5 Flush Glazed



4 VERTICAL CROSS SECTION
5 Flush Glazed

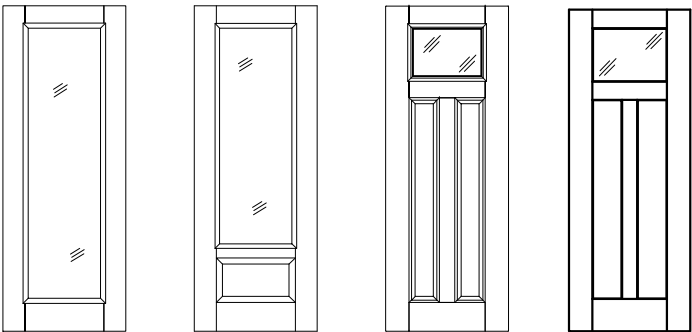
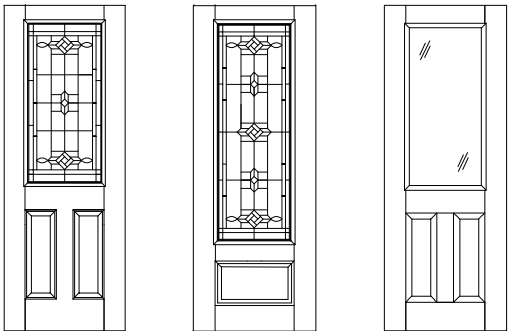
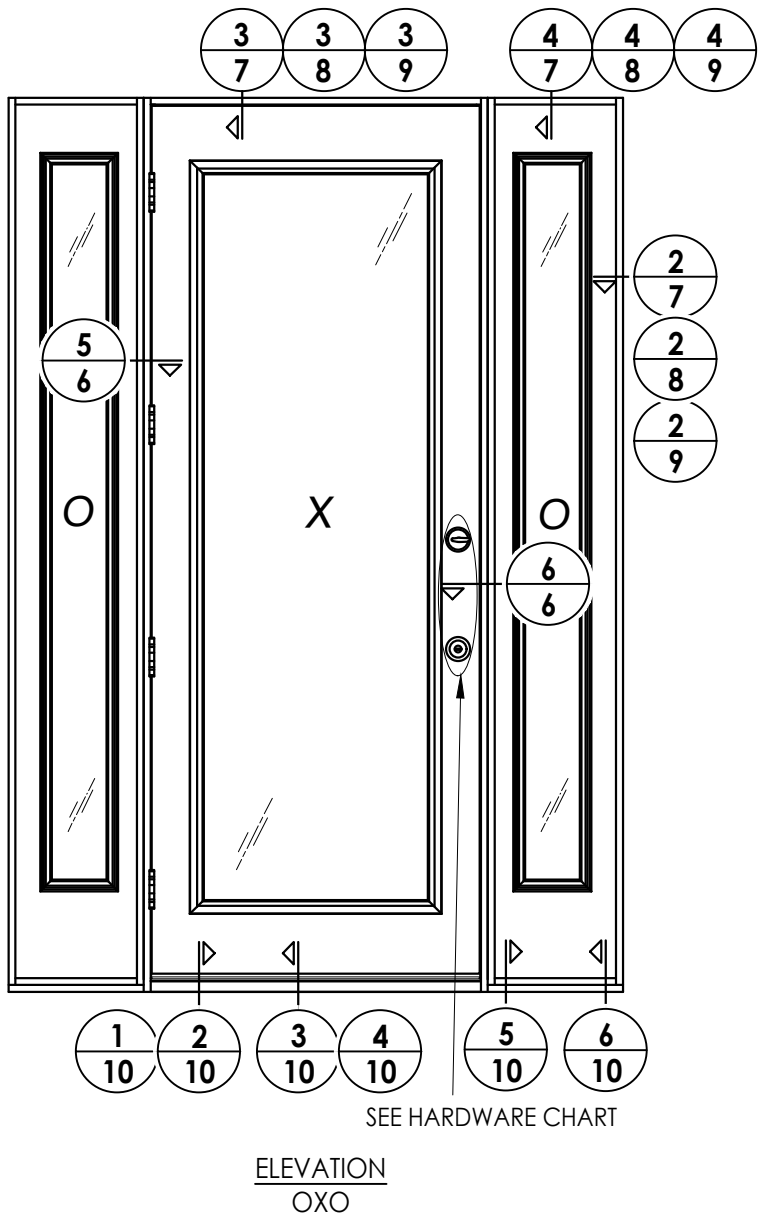
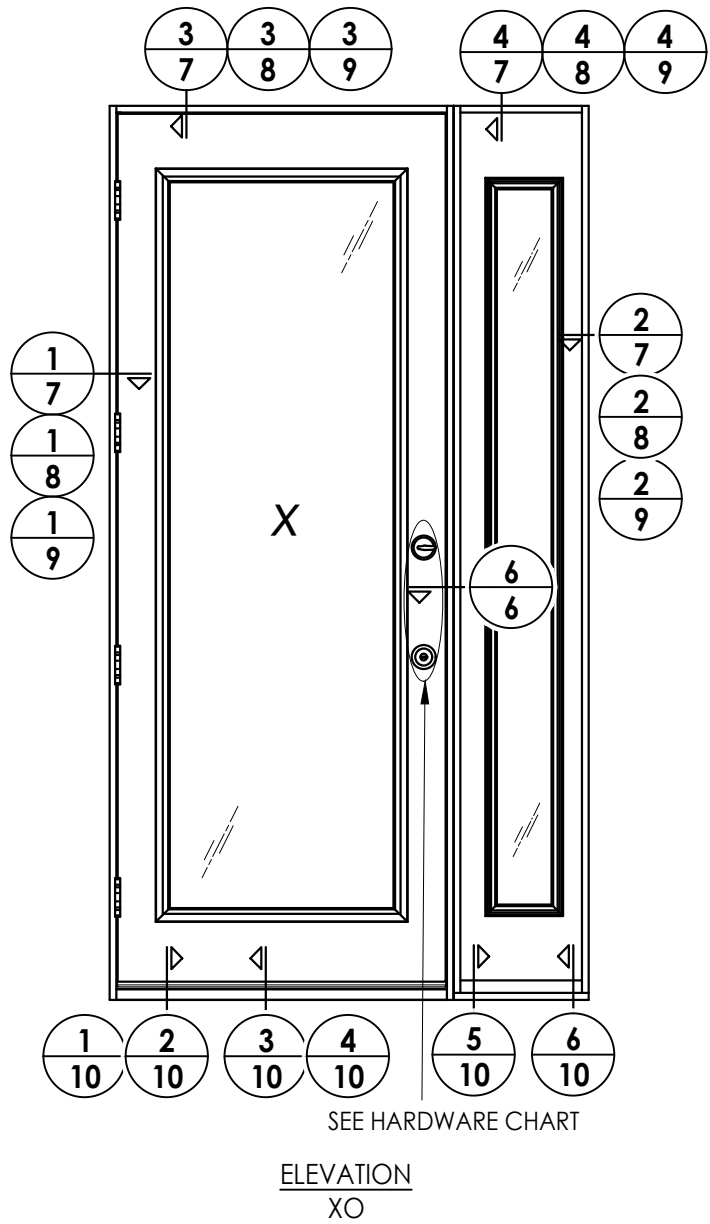
PRODUCT:				THERMA-TRU FIBERGLASS DOOR			
PART OR ASSEMBLY:				SIDELITE PANEL DETAILS			
REVISIONS							
NO.	DATE	BY	PO	LFS	FBC	FBC	FBC
3	7/2/26	UPDATE TO 9TH ED.	(2026)	LFS	FBC	FBC	FBC
2	8/21/23	UPDATE TO 8TH ED.	(2023)	LFS	FBC	FBC	FBC
1	7/16/20	UPDATE TO 7th ED	(2020)	PO	FBC	FBC	FBC

DATE:	03/07/20
SCALE:	N.T.S.
DWG. BY:	TJ
CHK. BY:	LFS
DRAWING NO.:	FL-21135.17
SHEET	5 OF 16

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

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

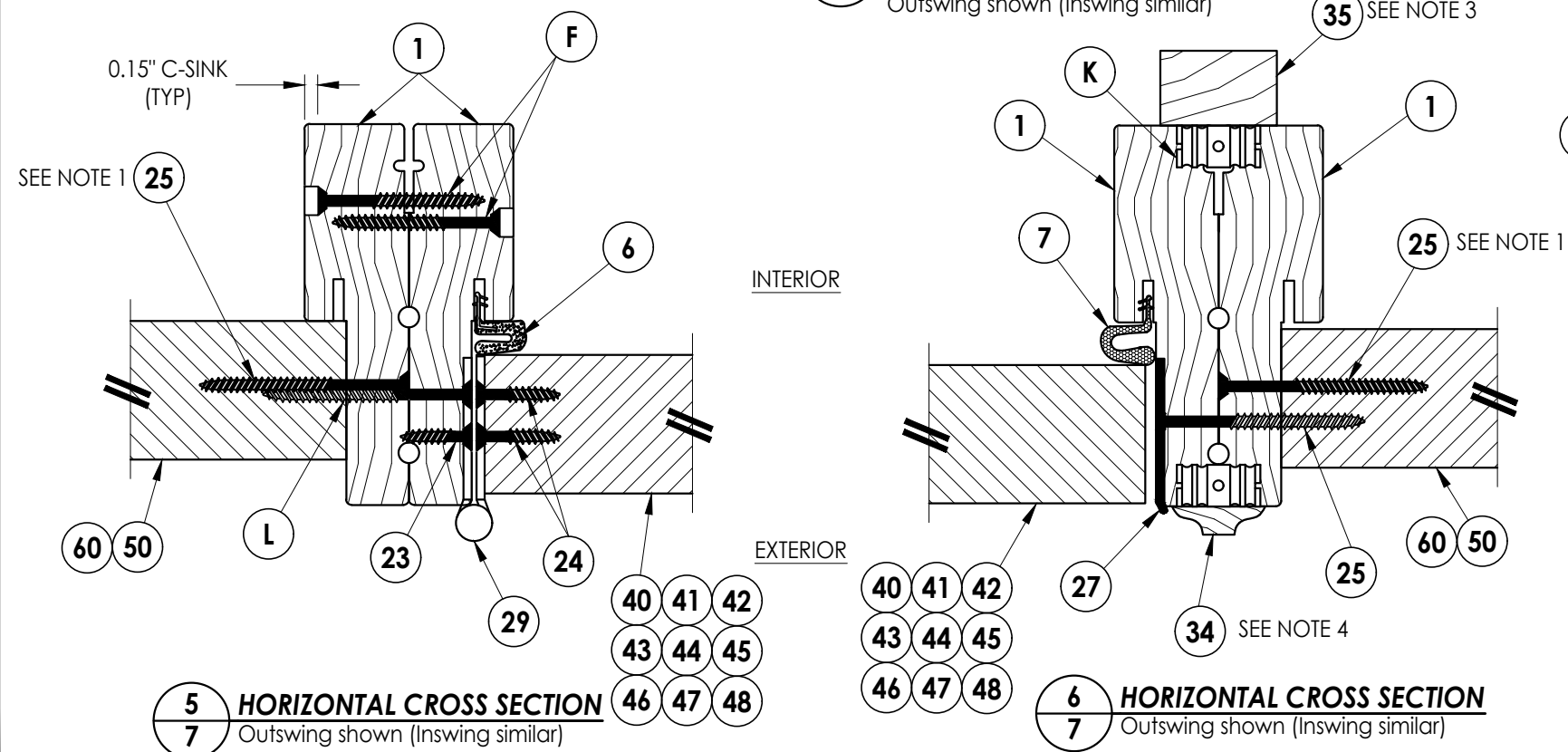
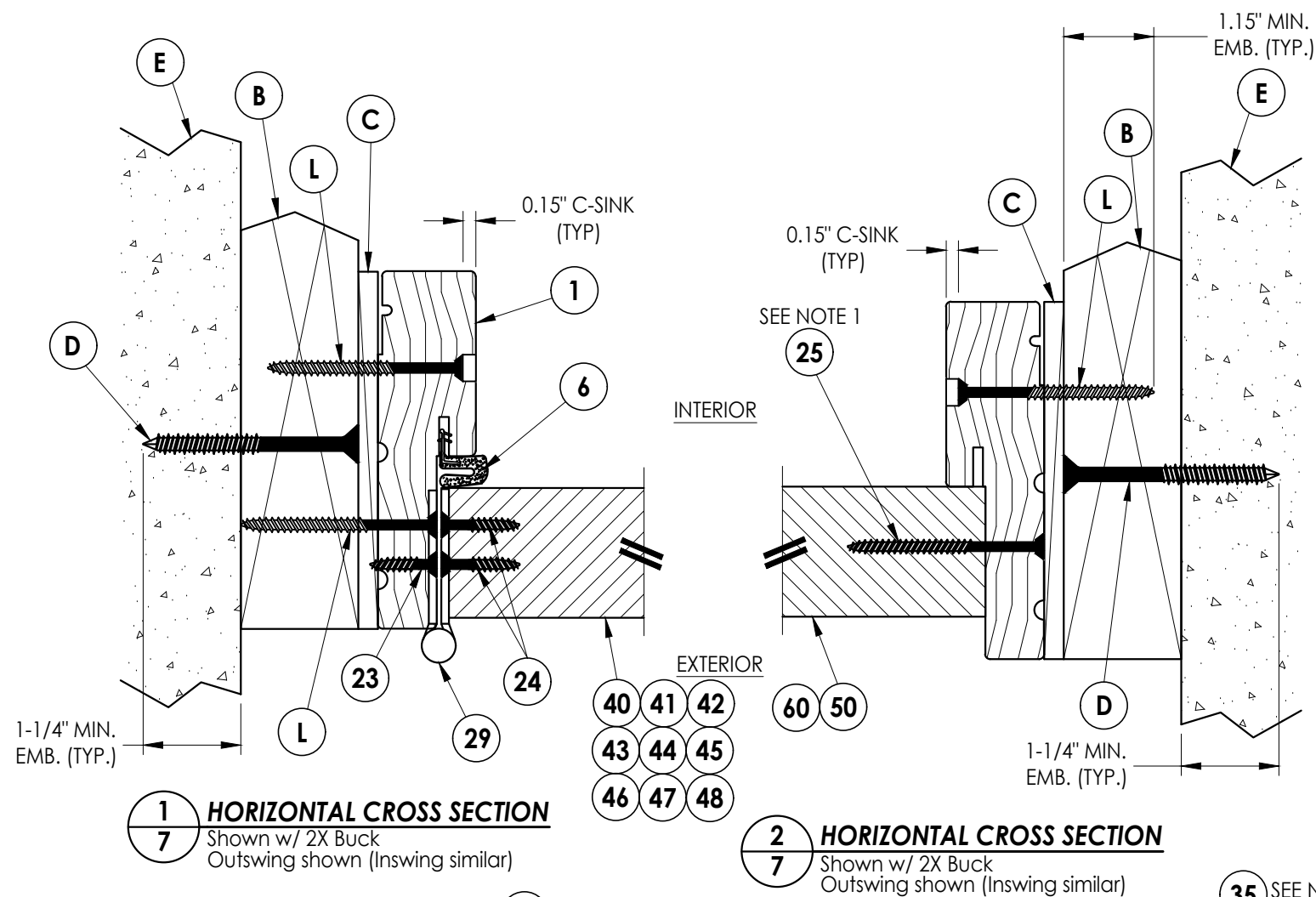
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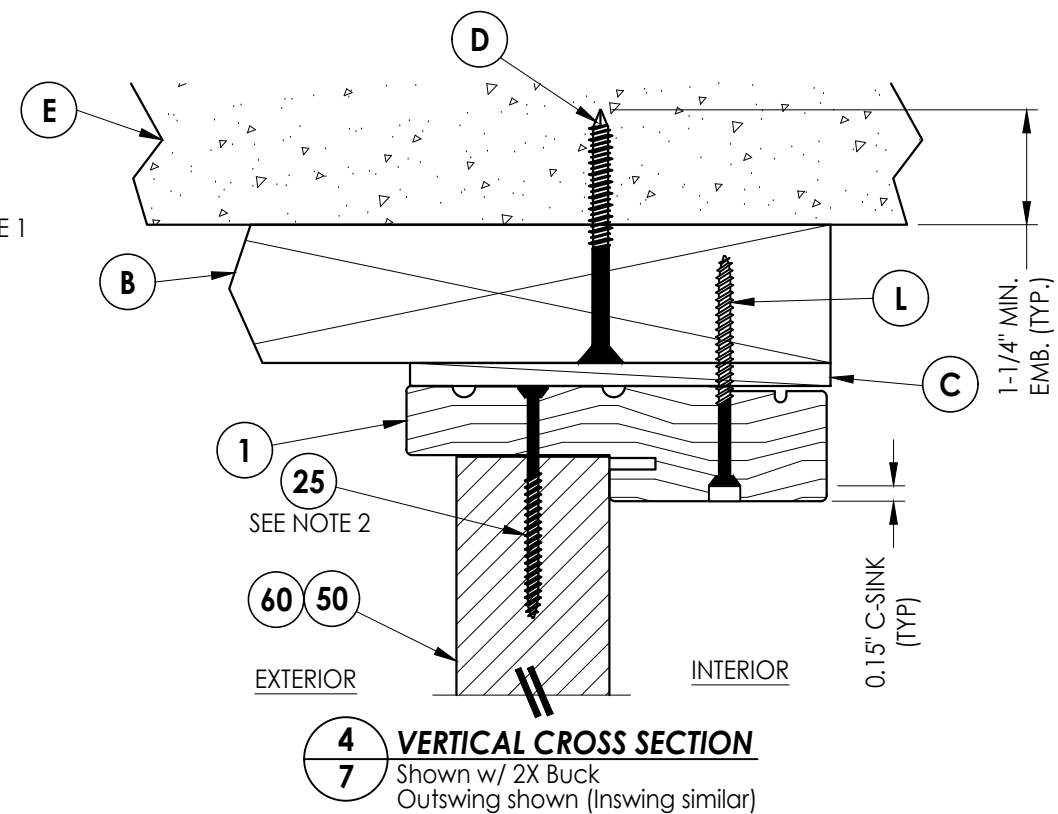
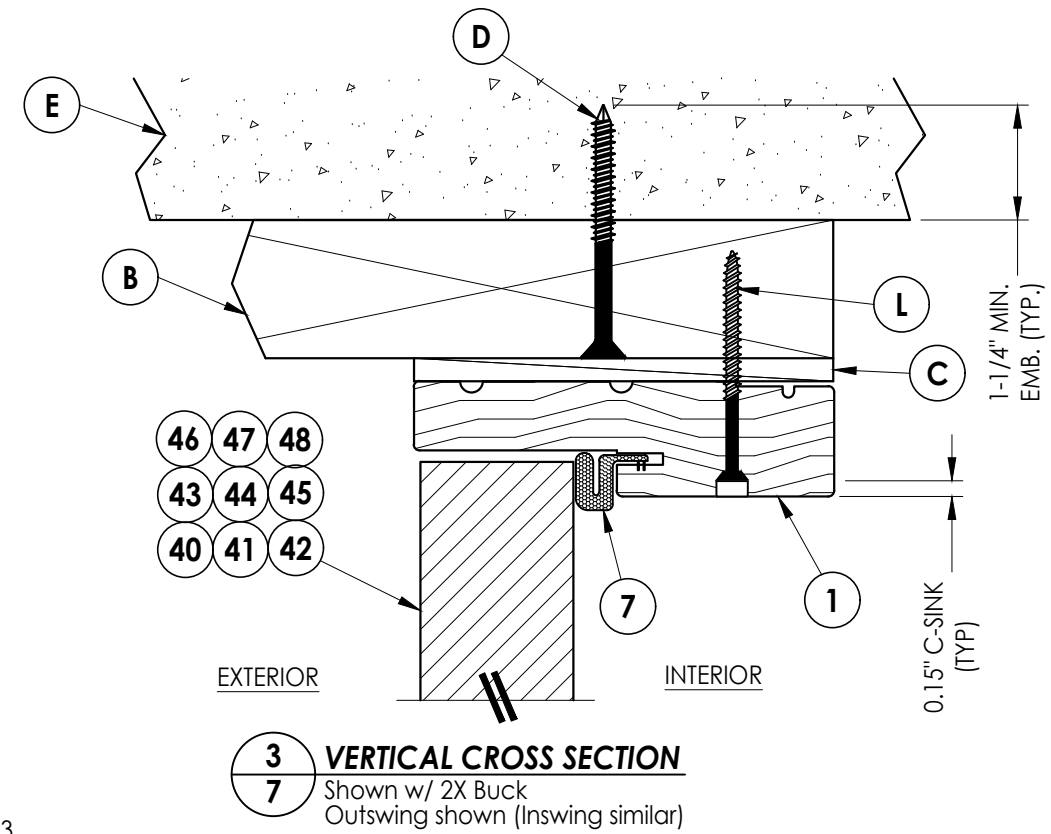
Benchmark Door Panel Options
Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	Deadbolt:	B60
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)

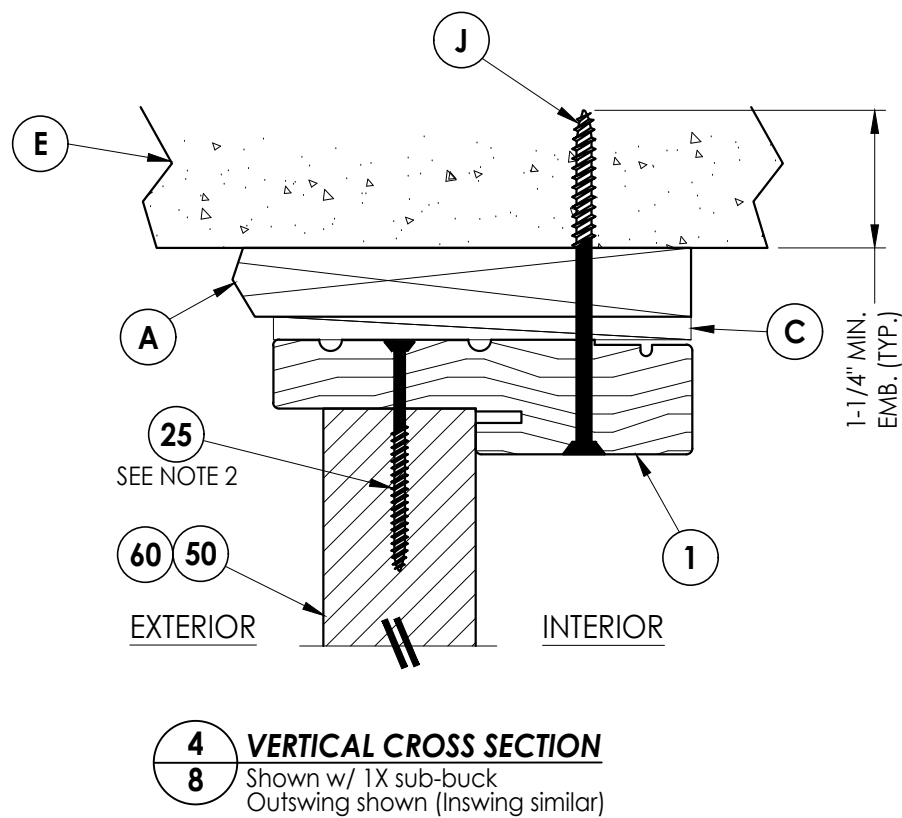
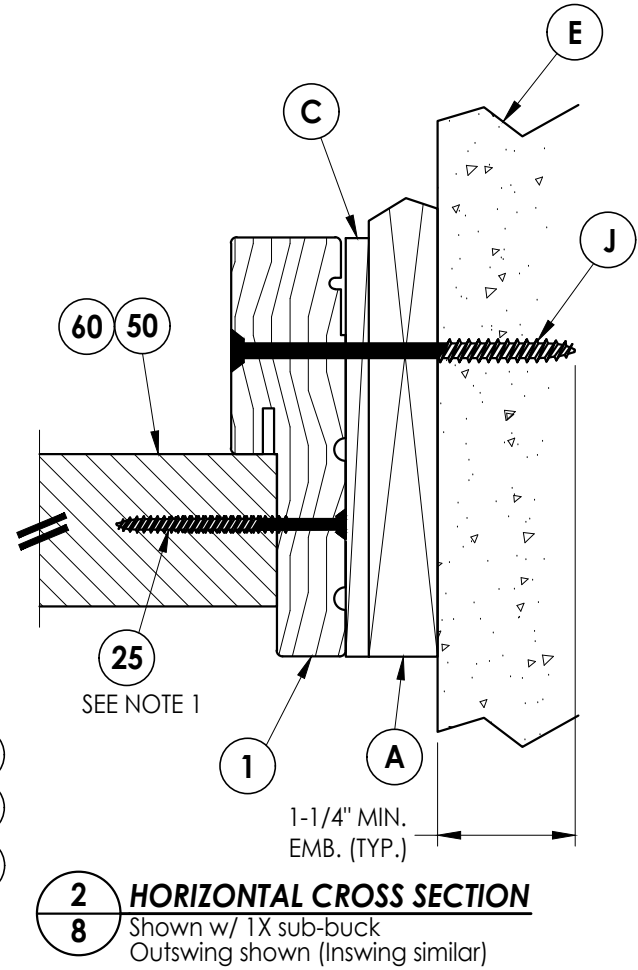
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: ELEVATIONS	
		LFS	
		FBC	
		LFS	
		FBC	
		FBC	
		PO	
		BY	
		DATE	
		NO.	
		REVISIONS	
		DATE: 03/07/20	
		SCALE: N.T.S.	
		DWG. BY: TJ	
		CHK. BY: LFS	
		DRAWING NO.: FL-21135.17	
		SHEET 6 OF 16	



1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).
3. Attach exterior casing optional w/ 2-2" Brad nails 16" O.C.
4. Attach interior casing optional w/ 2-1" Brad nails 16" O.C.

[illegible]

1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



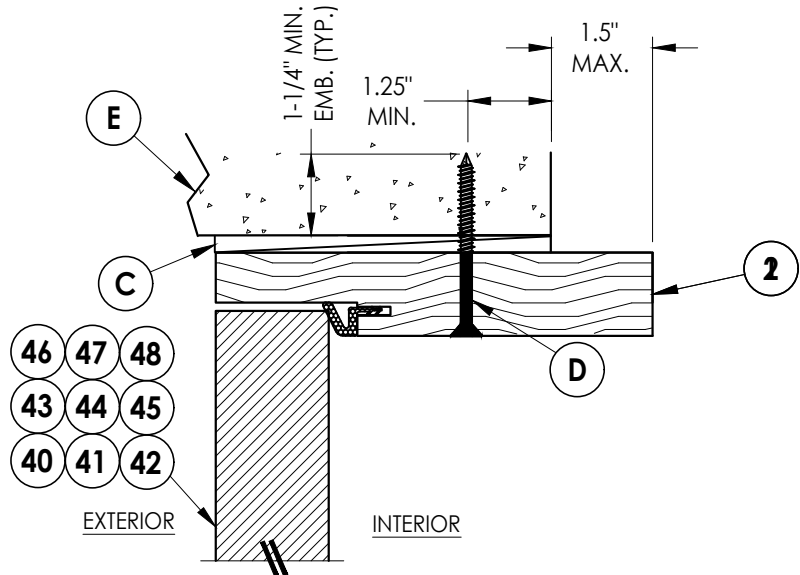
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SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: LFS			
DRAWING NO.: FL-21135.17			
SHEET 8 OF 16			
3	7/2/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020)	FBC PO
NO.	DATE		BY
REVISIONS			

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

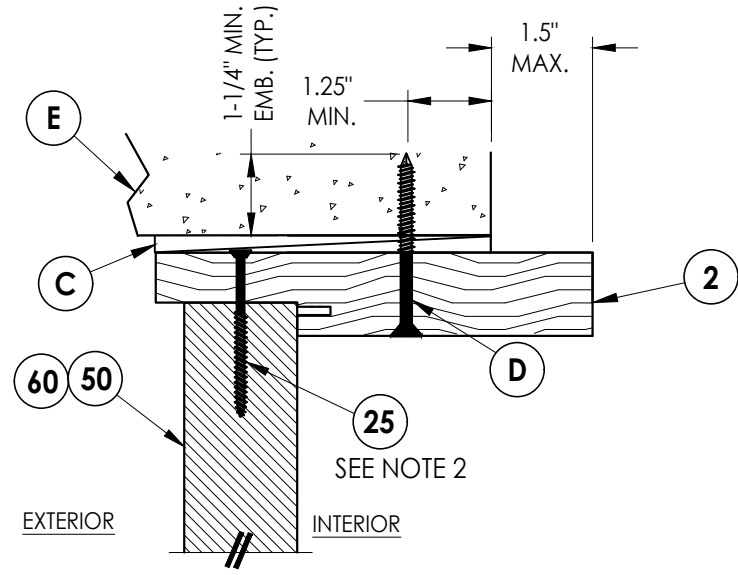
RW
BUILDING CONSULTANTS, INC.
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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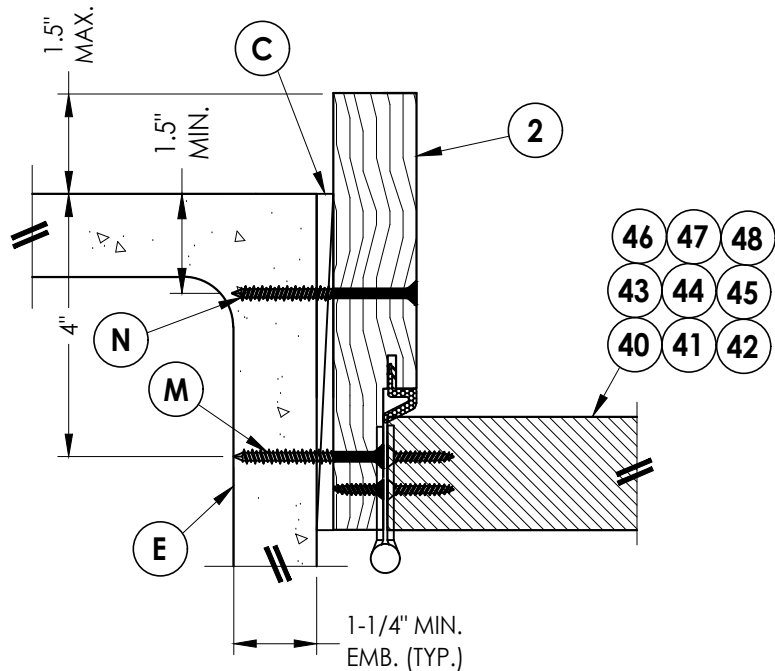
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9 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



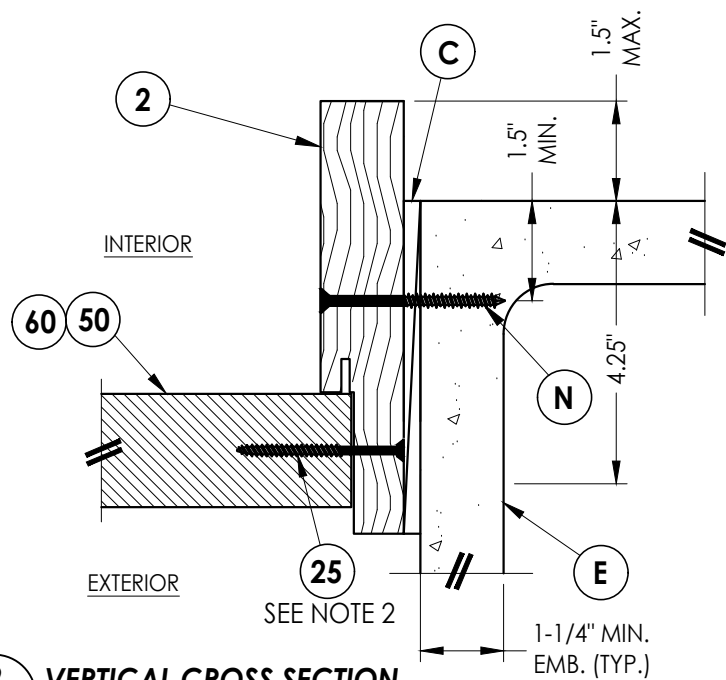
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9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



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



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

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

RW

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

CHK. BY: LFS

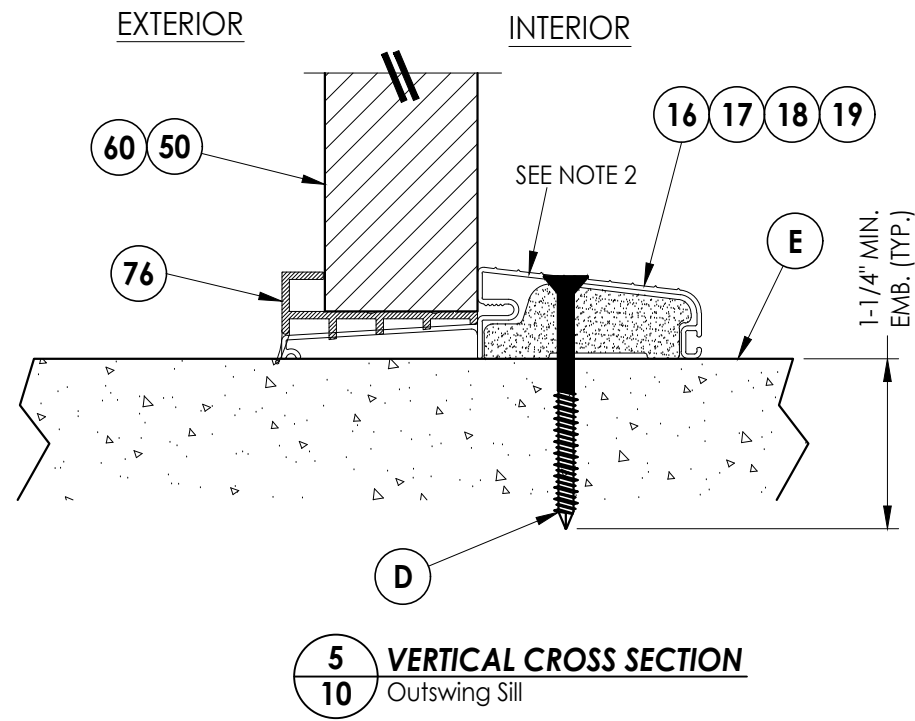
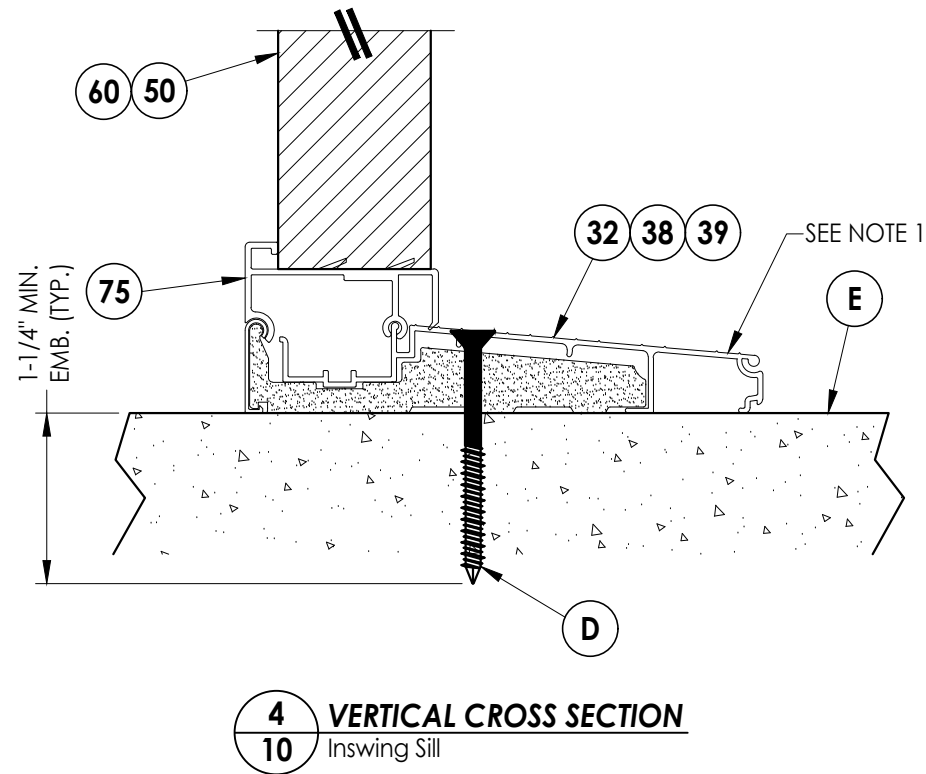
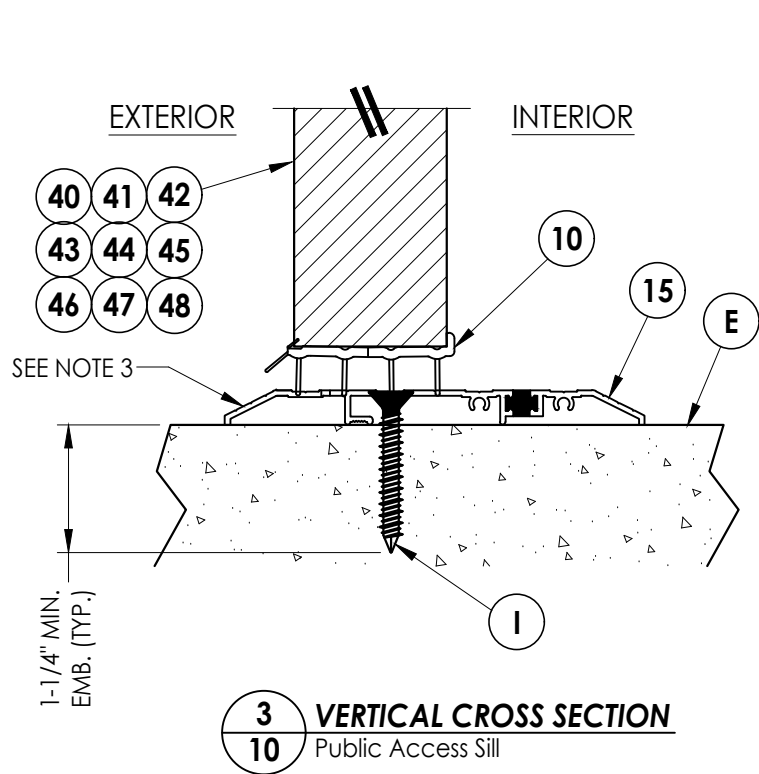
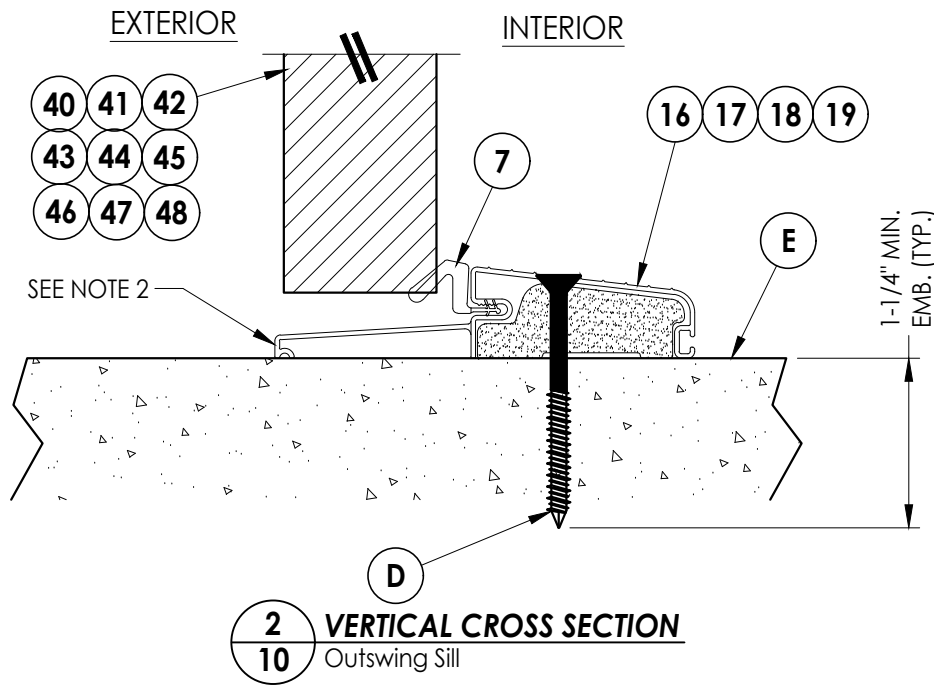
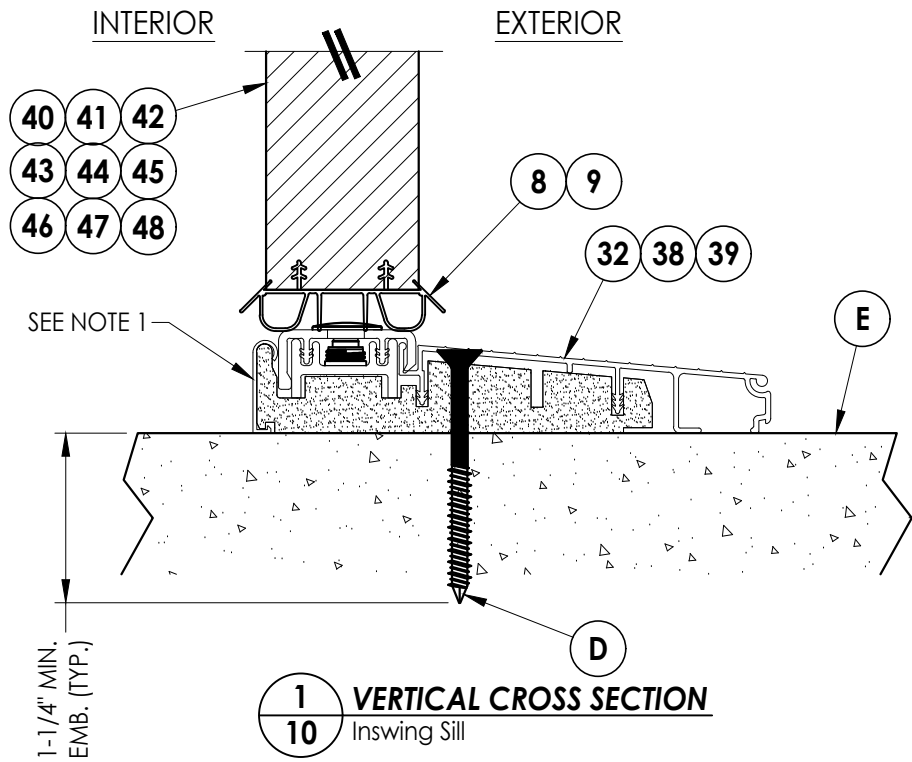
DRAWING NO.:

FL-21135.17

SHEET 9 OF 16

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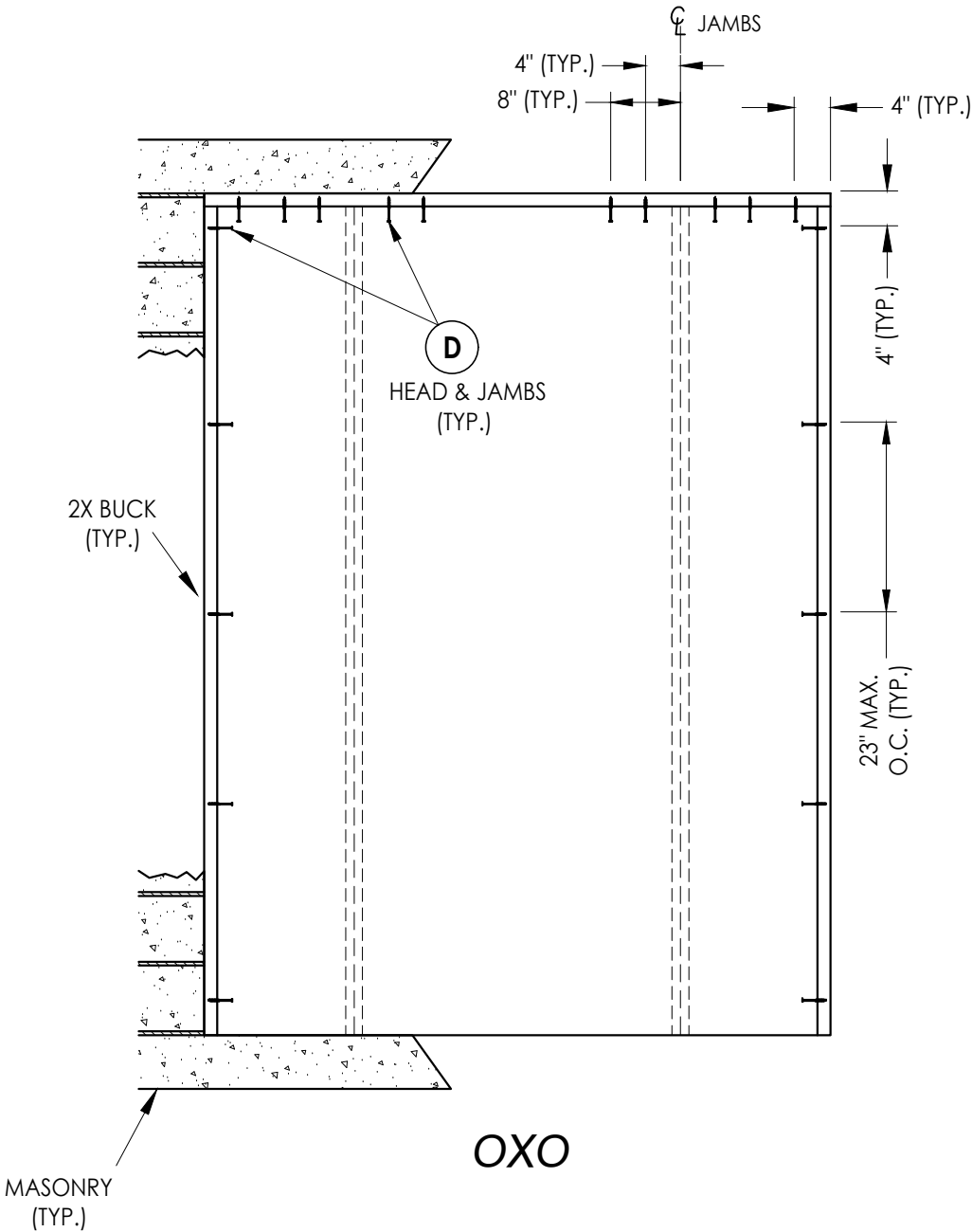
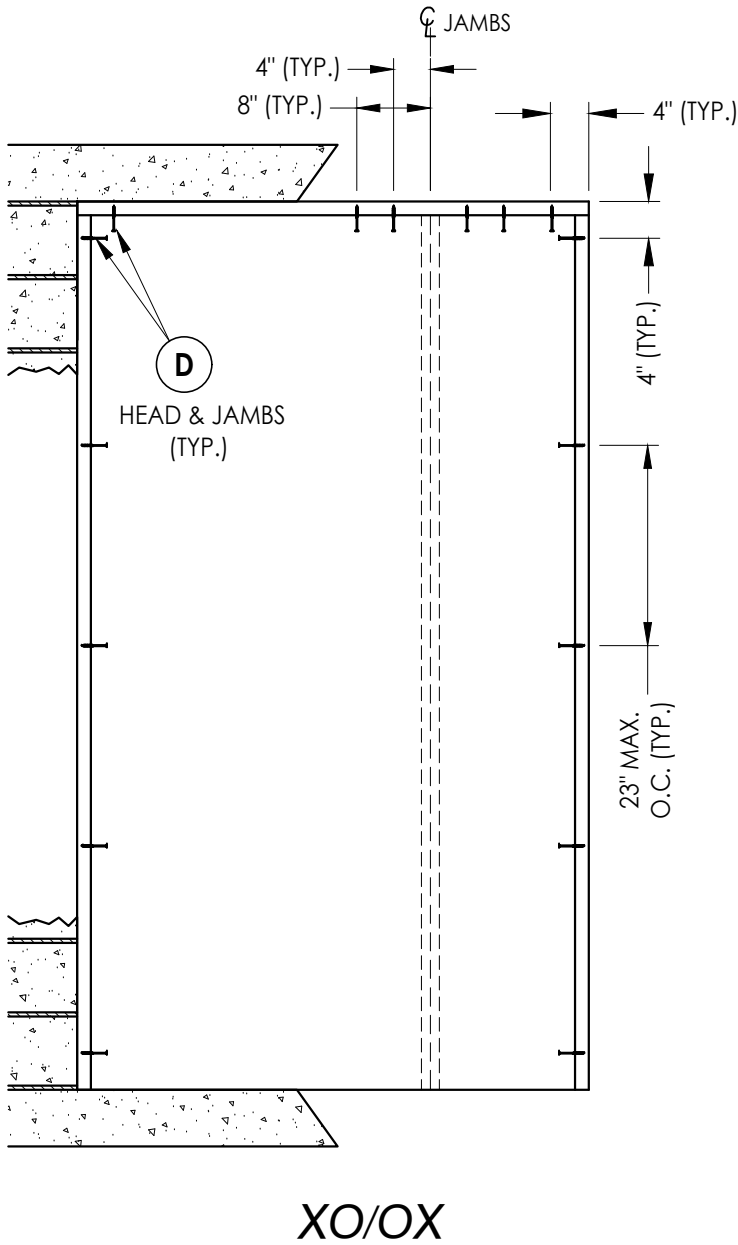
- Notes:
- Sill Item #'s 32, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
 - Sill Item #'s 16, 17, 18 & 19 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
 - Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



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

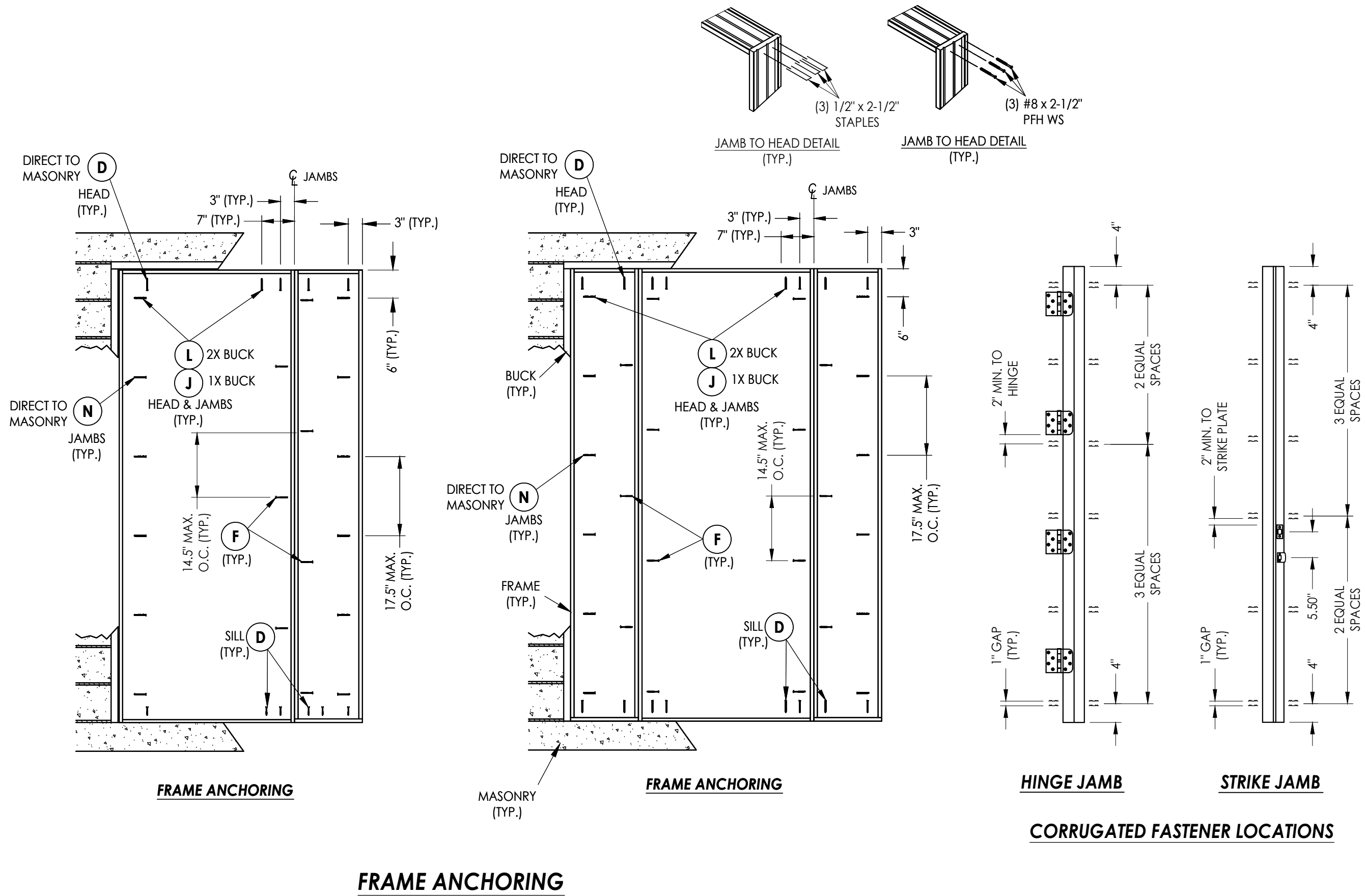
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS (THRESHOLDS)	
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
NO.	DATE		BY
		REVISIONS	
DATE: 03/07/20			
SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: LFS			
DRAWING NO.: FL-21135.17			
SHEET 10 OF 16			



2X BUCK ANCHORING

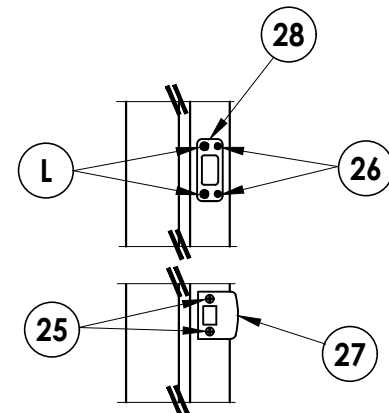
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK ANCHORING	
3	7/2/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020)	FBC PO
NO.	DATE		BY
REVISIONS			
DATE: 03/07/20			
SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: LFS			
DRAWING NO.: FL-21135.17			
SHEET 11 OF 16			



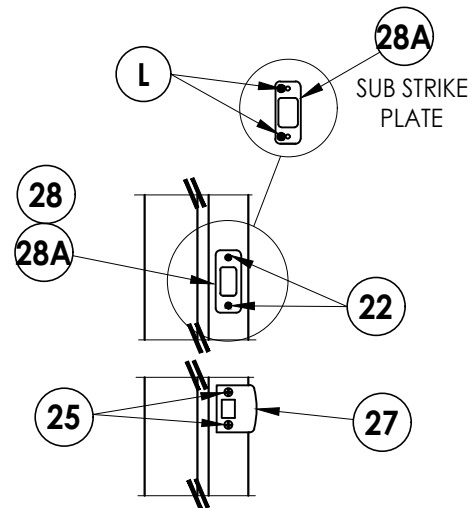
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2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
1	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO			
NO.	DATE						
				REVISIONS			
DATE: 03/07/20							
SCALE: N.T.S.							
DWG. BY: TJ							
CHK. BY: LFS							
DRAWING NO.: FL-21135.17							
SHEET 12 OF 16							

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

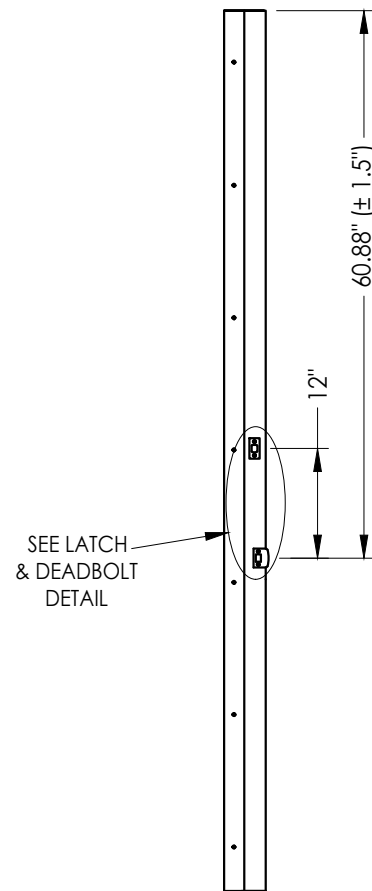


LATCH & DEADBOLT DETAIL
Kwikset

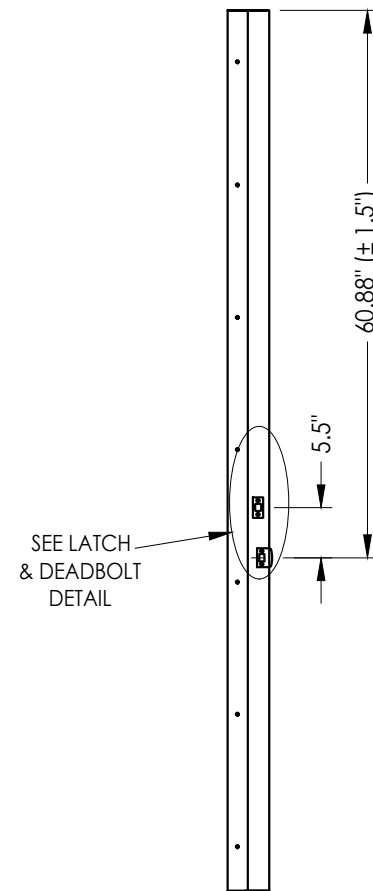


LATCH & DEADBOLT DETAIL
Schlage

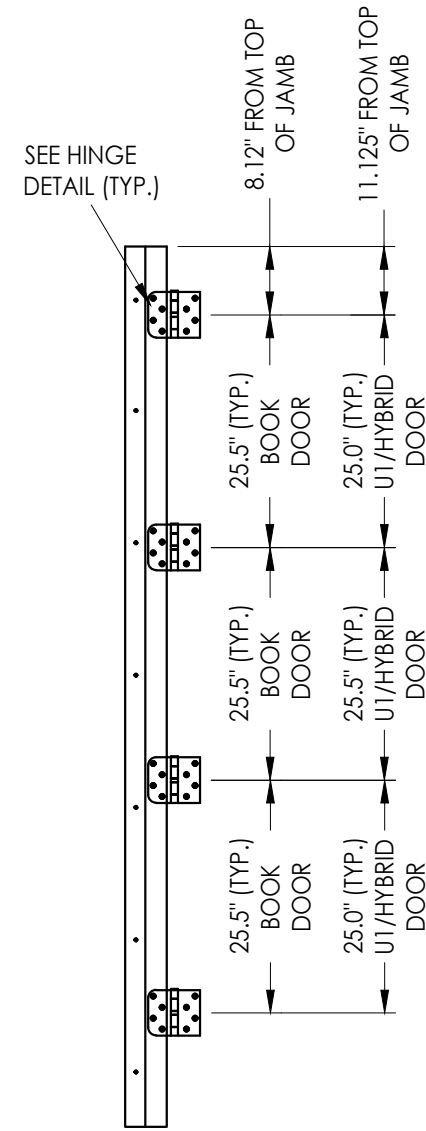
LATCH & DEADBOLT STRIKE DETAILS



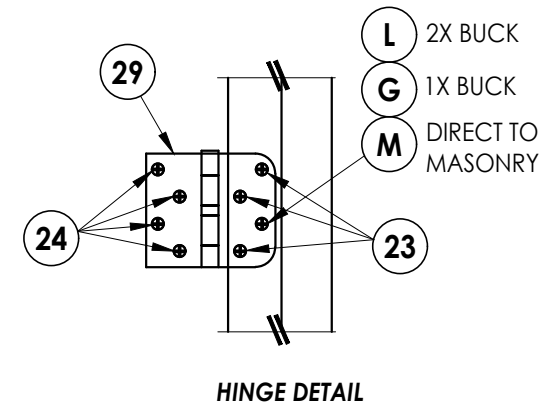
STRIKE JAMB
Latch and Deadbolt



STRIKE JAMB
Latch and Deadbolt
3/4 Lite



HINGE JAMB

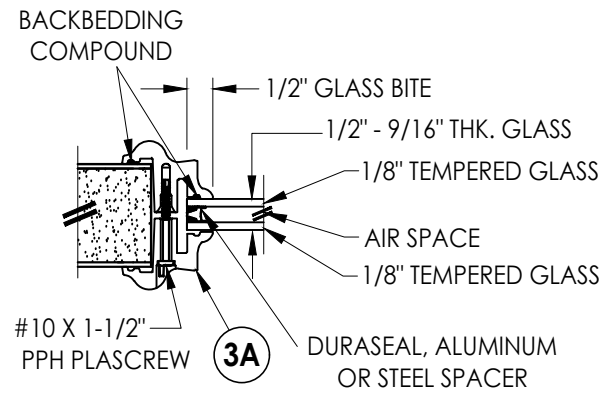


HINGE DETAIL

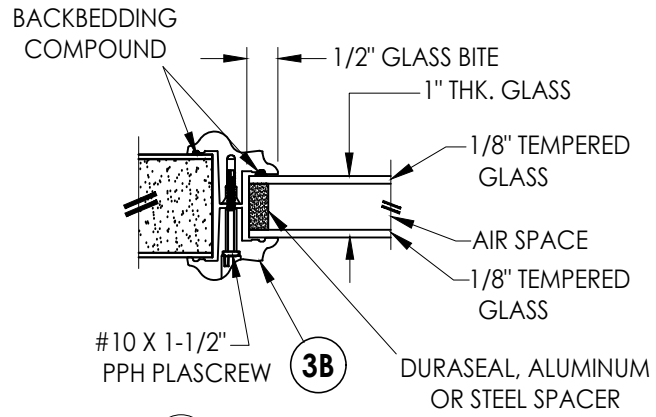
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

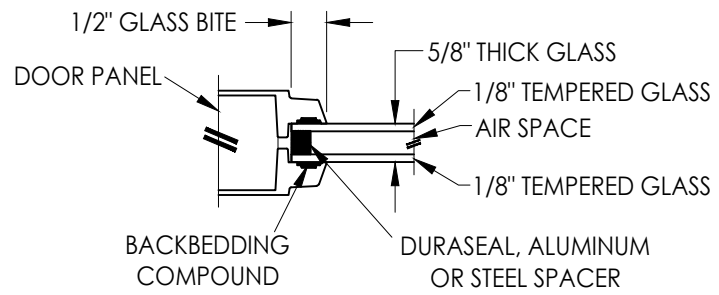
R^gW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



G1 **GLAZING DETAIL**
BTS Lite Frame
Door Panels & Sidelites

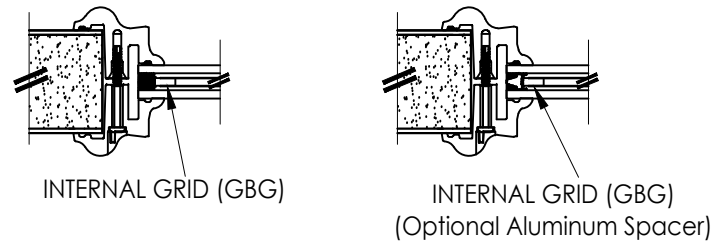


G2 **GLAZING DETAIL**
BTS Lite Frame
Door Panels & Sidelites

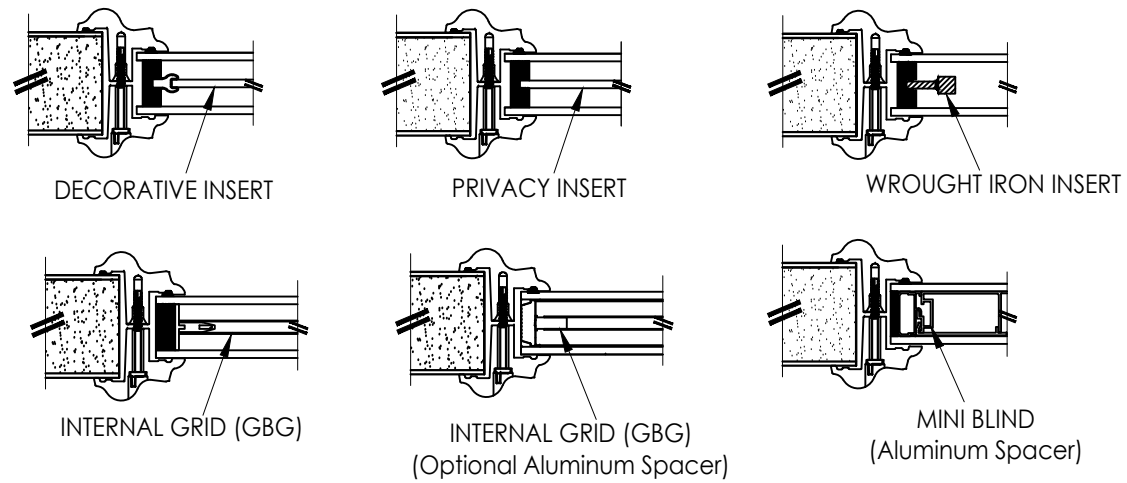


G3 GLAZING DETAIL

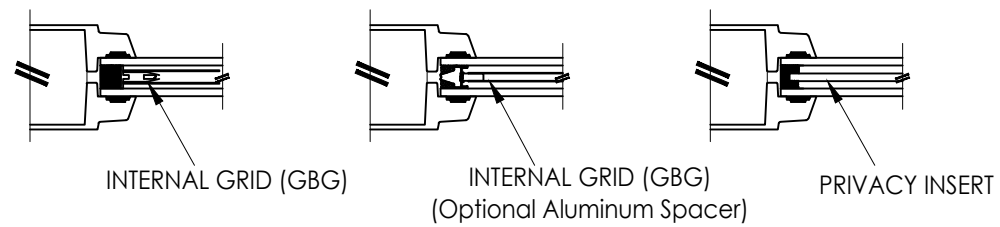
Flush Glazing
Door Panels



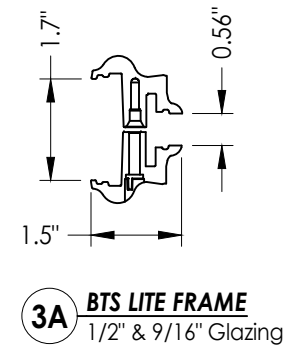
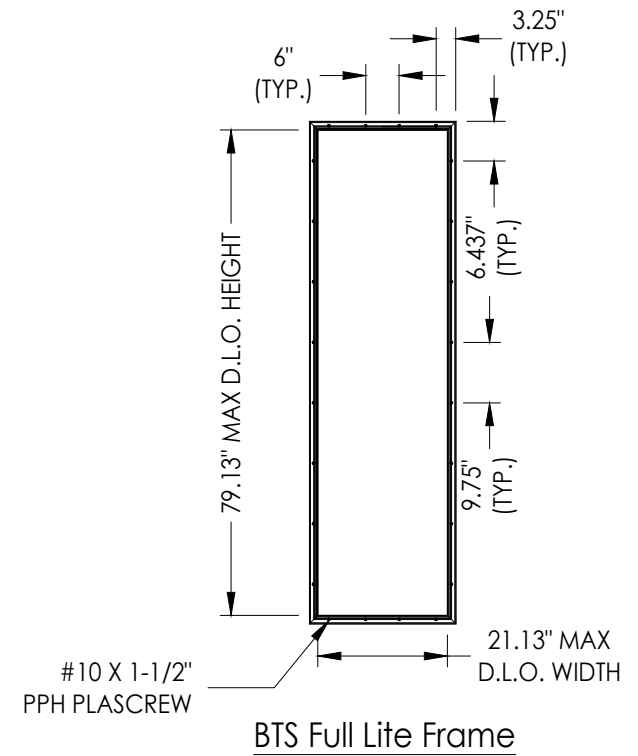
9/16" INSULATED GLASS INSERT OPTIONS



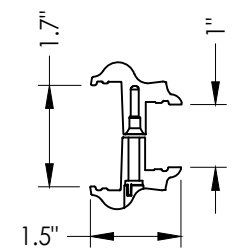
1" INSULATED GLASS INSERT OPTIONS



5/8" INSULATED GLASS INSERT OPTIONS



3B **BTS LITE FRAME**
1" Glazing



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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:

3	7/2/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS	
2	8/21/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS	
1	7/16/20	UPDATE TO 7th ED	(2020)	FBC	PO	
NO.	DATE				BY	
						REVISIONS

DATE: 03/07/20

SCALE: *N.T.S.*

DWG. BY: TJ

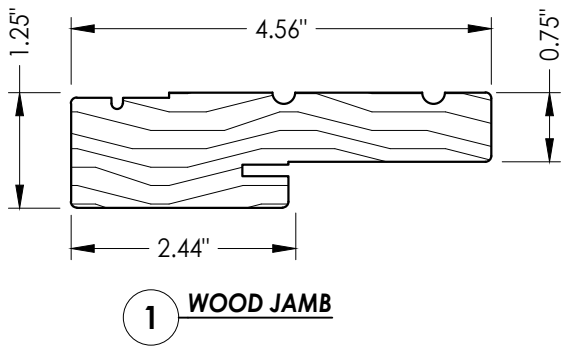
CHK. BY: LFS

DRAWING NO.:

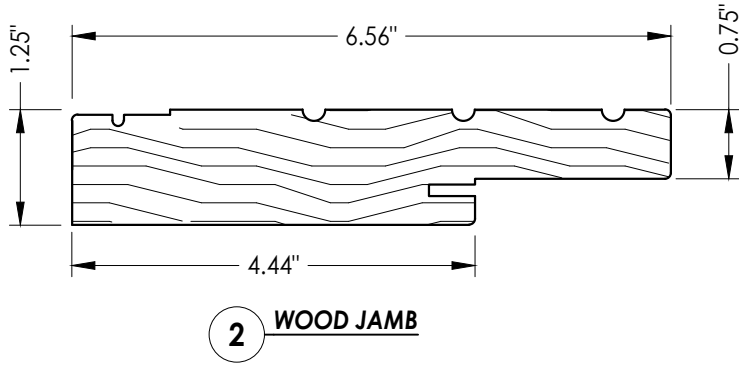
FL-21135.17

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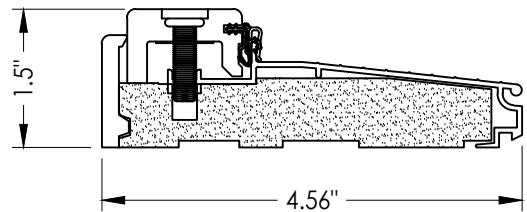
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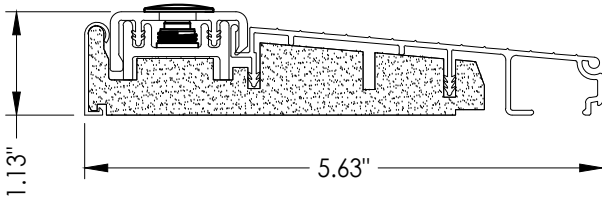
1 WOOD JAMB



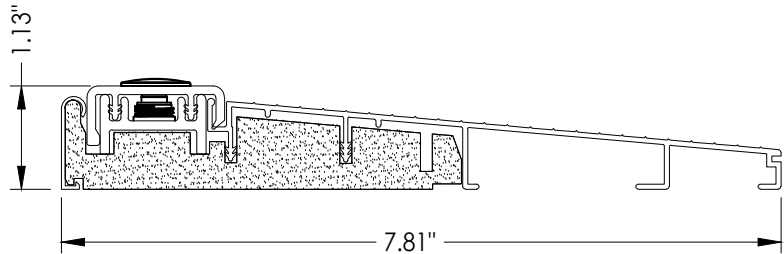
2 WOOD JAMB



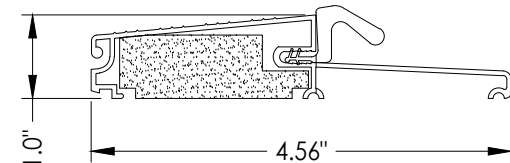
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



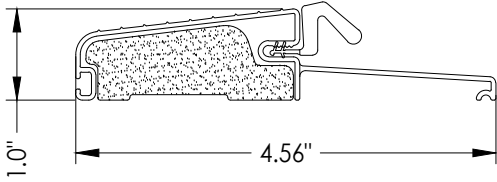
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



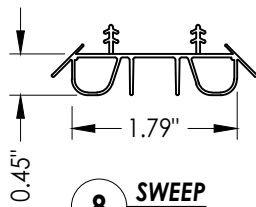
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



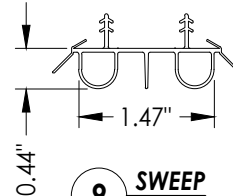
19 OUTSWING THRESHOLD
Composite Sill



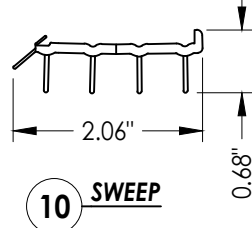
16 OUTSWING THRESHOLD
Composite Sill



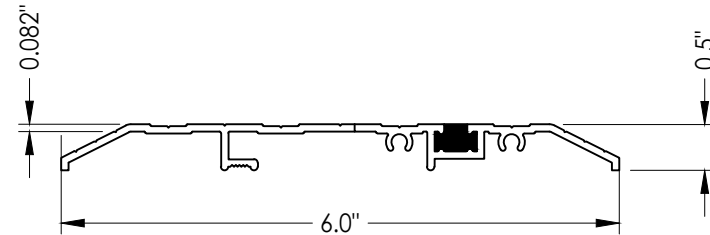
8 SWEEP



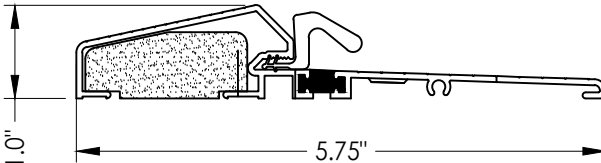
9 SWEEP



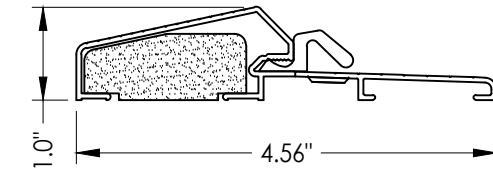
10 SWEEP



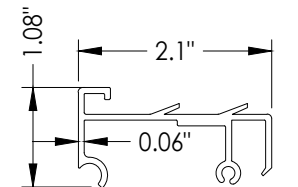
15 PUBLIC ACCESS THRESHOLD



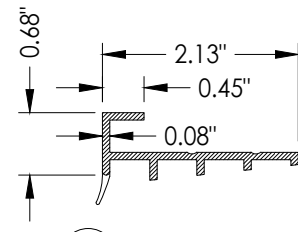
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



17 OUTSWING THRESHOLD
Composite / Aluminum Sill



75 SIDELITE SPACER



76 SIDELITE SPACER

PRODUCT:		THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	REVISIONS	BY	PO	LFS	FBC	PO
3	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
1	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO			

DATE: 03/07/20
SCALE: N.T.S.
DWG. BY: TJ
CHK. BY: LFS
DRAWING NO.: FL-21135.17
SHEET 15 OF 16

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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 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" ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/2" X 1" X 25 GA. CORRUGATED FASTENER	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	JAMB (FINGER JOINT PINE)	WOOD
2	JAMB (FINGER JOINT PINE)	WOOD
6	WEATHERSTRIP (MEDIUM REACH)	FOAM
7	WEATHERSTRIP (LONG REACH)	FOAM
8	SWEEP	VINYL
9	SWEEP	VINYL
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
15	ADA THRESHOLD	ALUM
16	OUTSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP
19	OUTSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL
25	#8 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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
28B	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
34	INTERIOR MULL CASING	WOOD
35	EXTERIOR MULL CASING	WOOD
38	INSWING THRESHOLD	ALUM/COMP
39	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
43	FLUSH GLAZED DOOR PANEL (BOOK)	-
44	FLUSH GLAZED DOOR PANEL (HYBRID)	-
45	FLUSH GLAZED DOOR PANEL (U1)	-
50	SIDELITE (FULL LITE)	-
60	SIDELITE (FLUSH GLAZED)	-
75	SIDELITE SPACER (INSWING)	PVC
76	SIDELITE SPACER (OUTSWING)	PVC

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:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

[illegible]