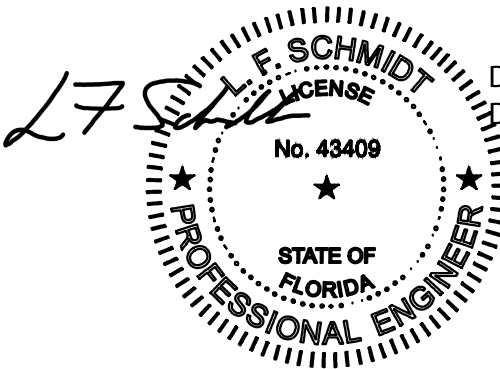


COMPOSITE EDGE
GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
INSWING/OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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. Benchmark Door and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.

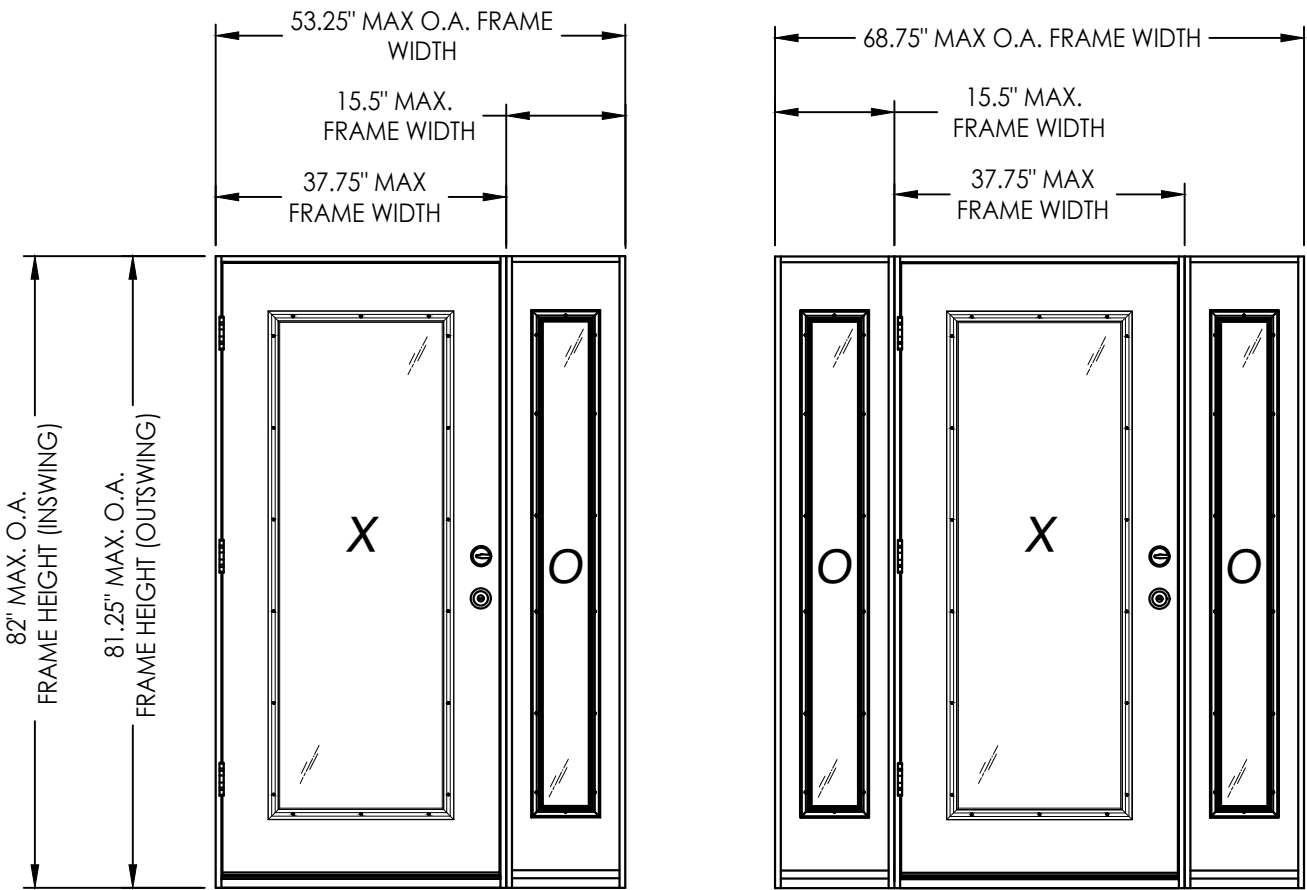
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes	9	Vertical Cross Sections (Thresholds)
2	Door Panel Details	10	Buck Anchoring
3	Door Panel Details	11	Frame Anchoring
4	Sidelite Panel Details	12	Hardware Details
5	Elevations	13	Glazing details
6	Horizontal & Vertical Cross Sections (2X Buck)	14	Components
7	Horizontal & Vertical Cross Sections (1X Buck)	15	Bill of Materials
8	Horizontal & Vertical Cross Sections (Direct to Masonry)		



Digitally signed by Lyndon F Schmidt
Date: 2023.08.21 09:15:48 -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	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	+47.0	-47.0	+47.0	-47.0

See Sheet 5 for Hardware Specifications

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

28/21/23
8/21/23
7/16/20
NO. DATE

UPDATE TO 8TH ED. (2023) FBC
UPDATE TO 7th ED (2020) FBC
BY

REVISIONS

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

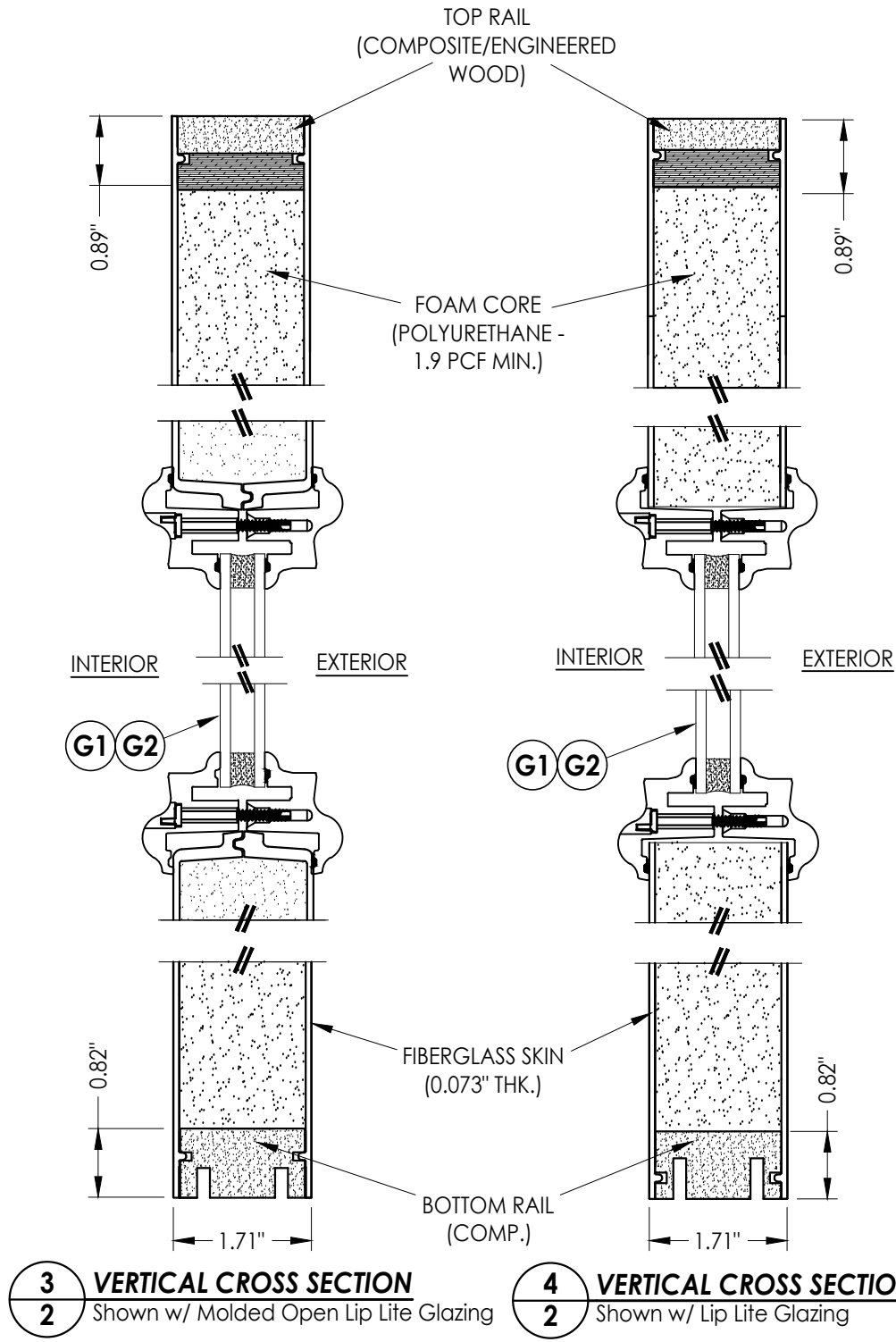
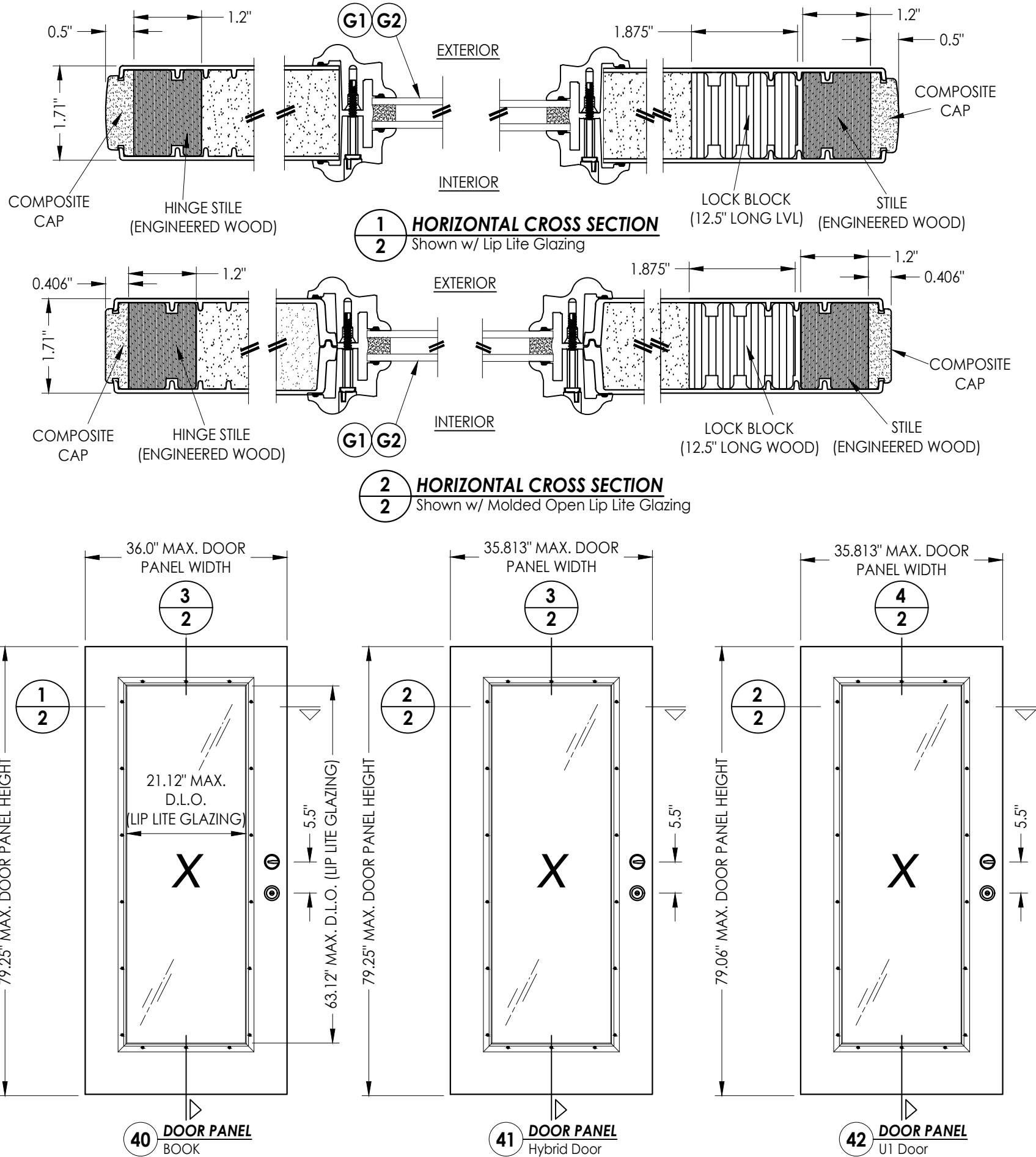
CHK. BY: LFS

DRAWING NO.: FL-21135.15

SHEET 1 of 15

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

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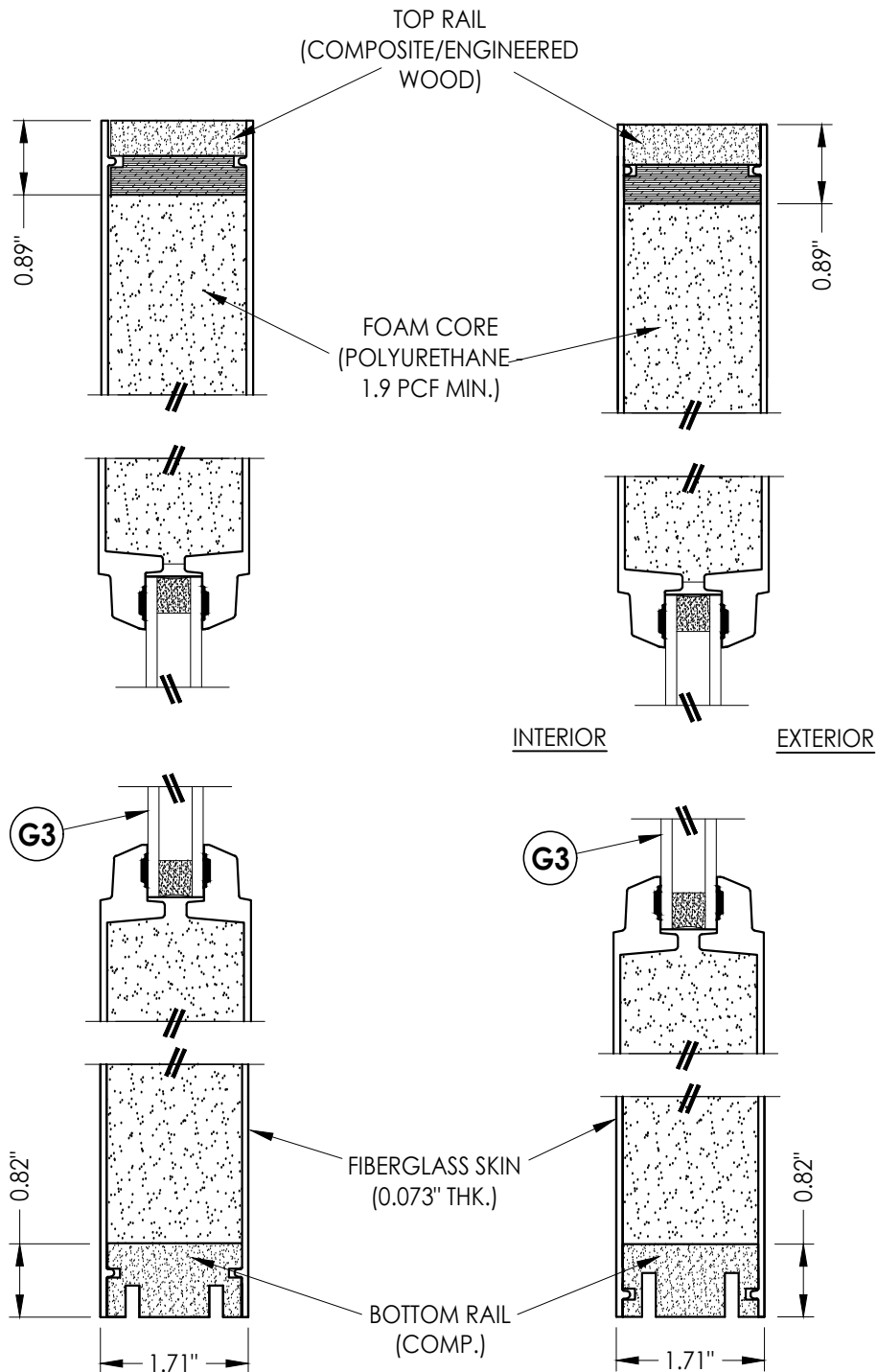
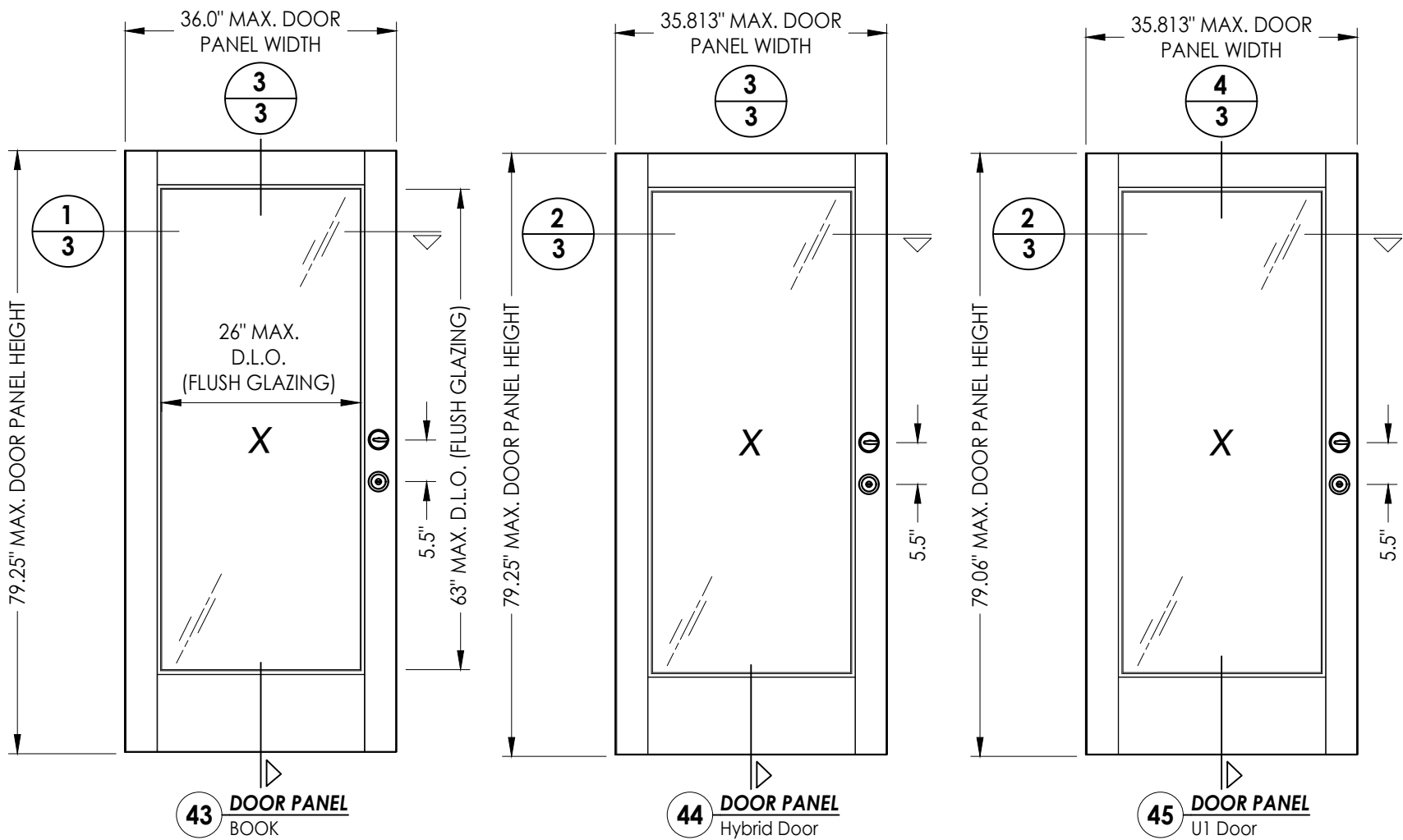
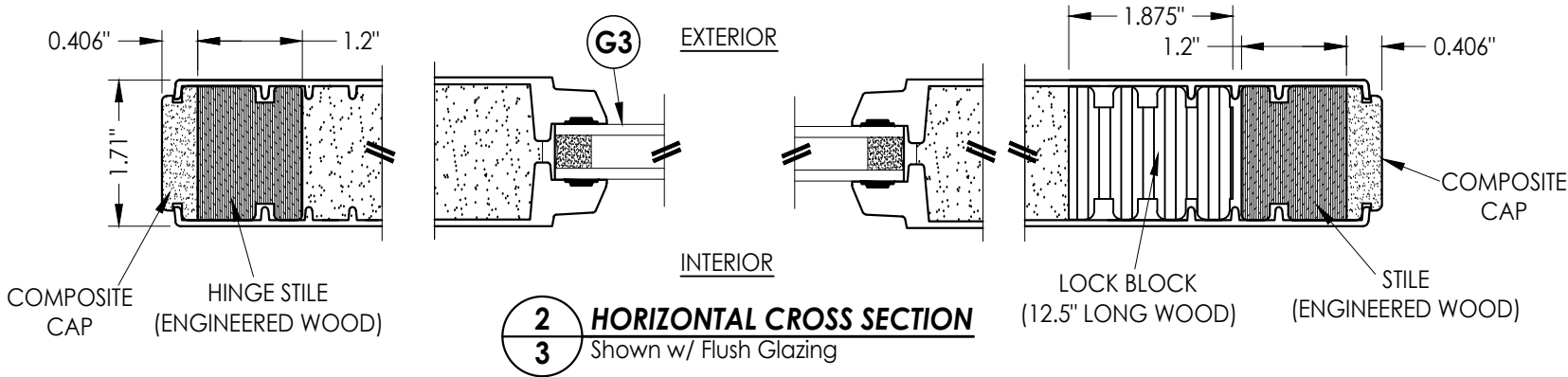
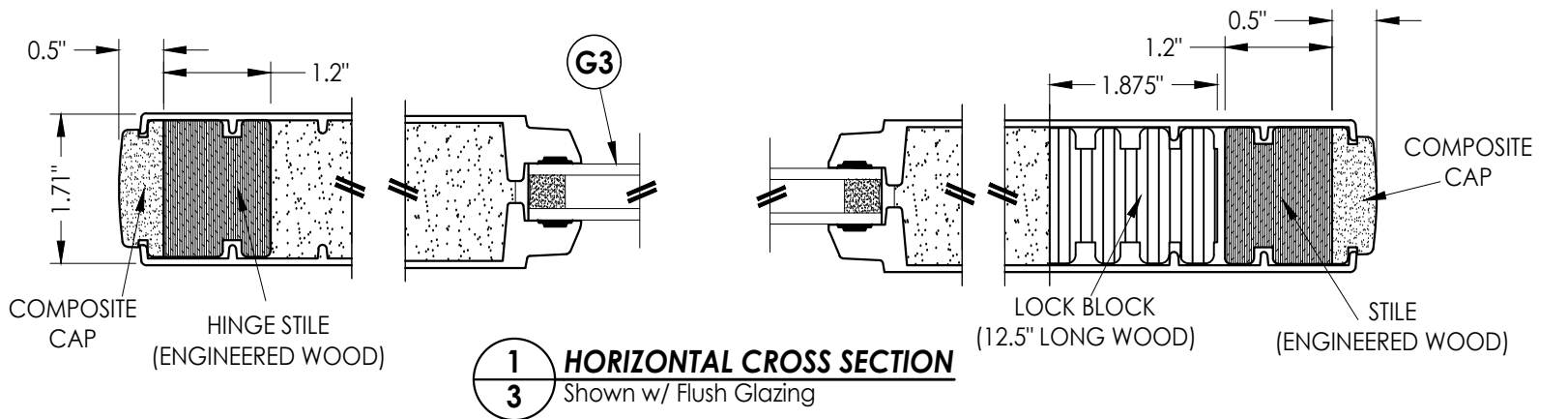


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

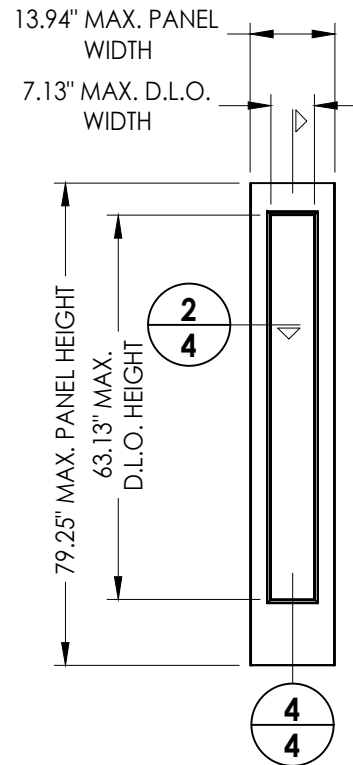
PRODUCT:		THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY:		DOOR PANEL DETAILS	
				LFS	FBC	PO	BY
2	8/21/23	UPDATE TO 8TH ED. (2023)					
1	7/16/20	UPDATE TO 7th ED (2020)					
		NO.	DATE				
REVISIONS							
DATE: 03/07/20							
SCALE: N.T.S.							
DWG. BY: TJ							
CHK. BY: LFS							
DRAWING NO.: FL-21135.15							
SHEET 2 of 15							

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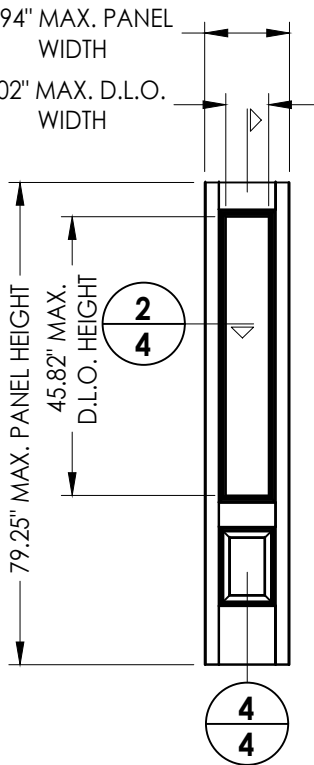


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	BY
		FBC	PO
2	8/21/23	UPDATE TO 8TH ED. (2023)	DATE
1	7/16/20	UPDATE TO 7th ED (2020)	NO.
REVISIONS			
DATE: 03/07/20			
SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: LFS			
DRAWING NO.: FL-21135.15			
SHEET 3 of 15			

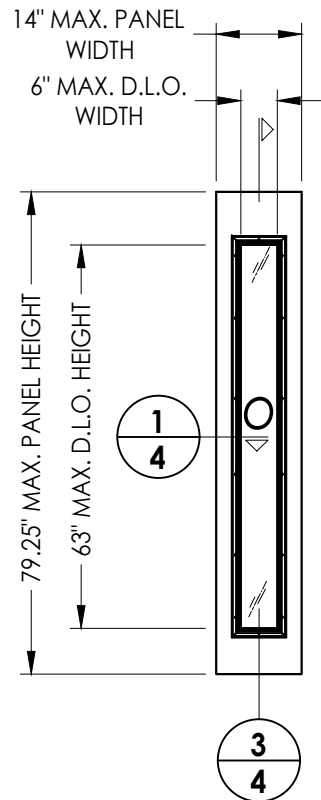
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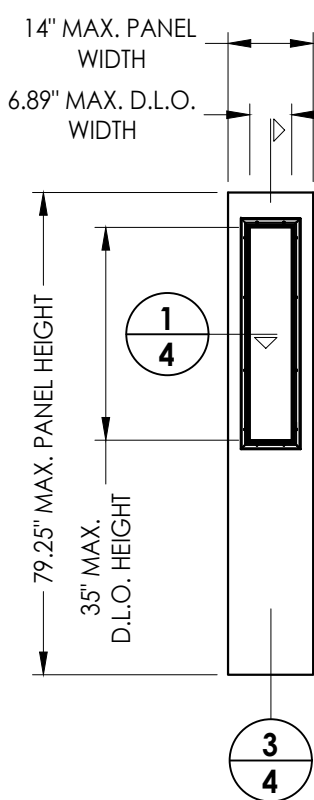
60 SIDELITE PANEL
Full Lite
Flush Glazed



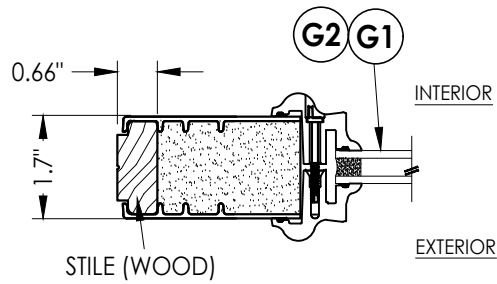
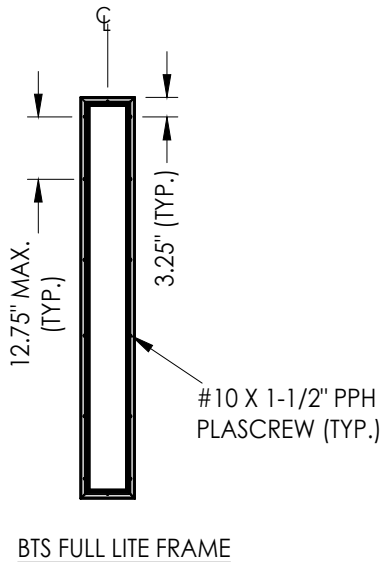
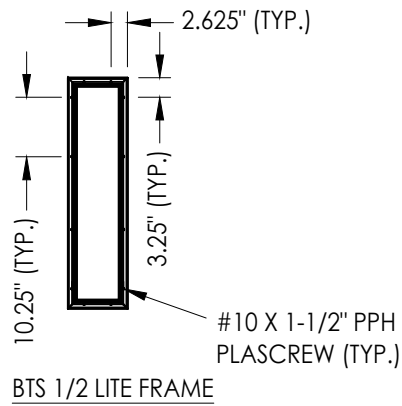
60 SIDELITE PANEL
3/4 Lite
Flush Glazed



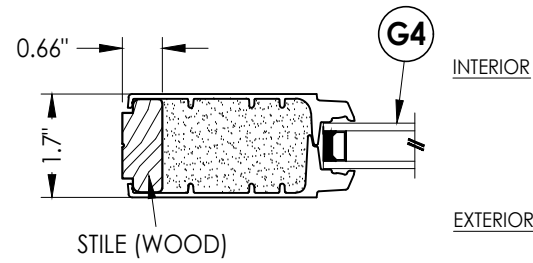
50 SIDELITE PANEL
Full Lite
Lip Lite



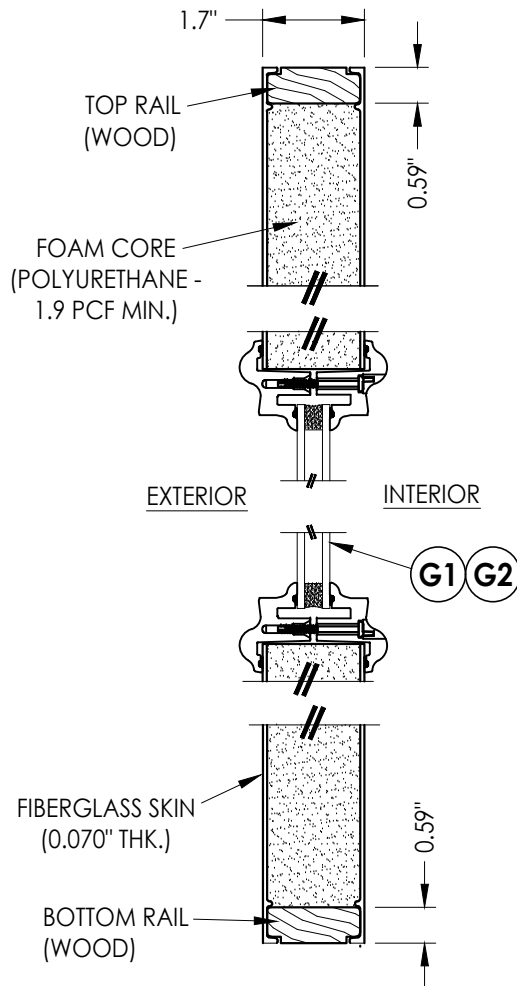
50 SIDELITE PANEL
Half Lite
Lip Lite



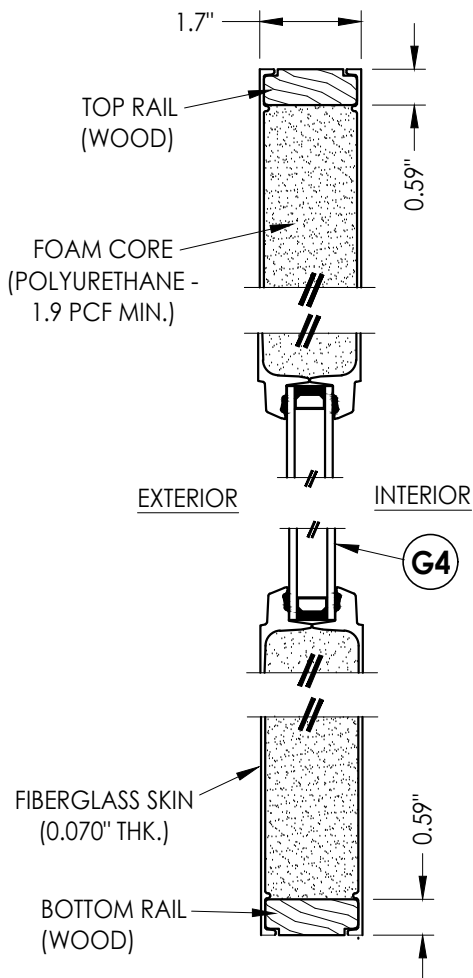
1/4 HORIZONTAL CROSS SECTION
Lip Lite Glazing



2/4 HORIZONTAL CROSS SECTION
Flush Glazing



3/4 VERTICAL CROSS SECTION
Lip Lite Glazing Shown



4/4 VERTICAL CROSS SECTION
Flush Glazing Shown

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

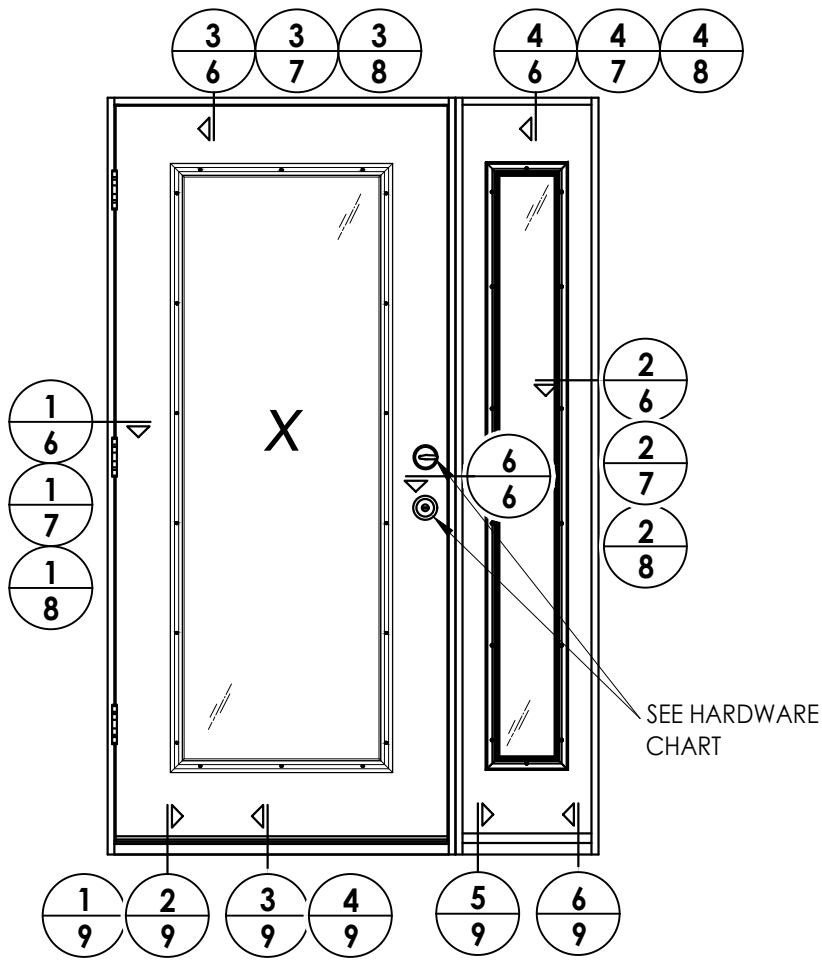
PRODUCT:
THERMA TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

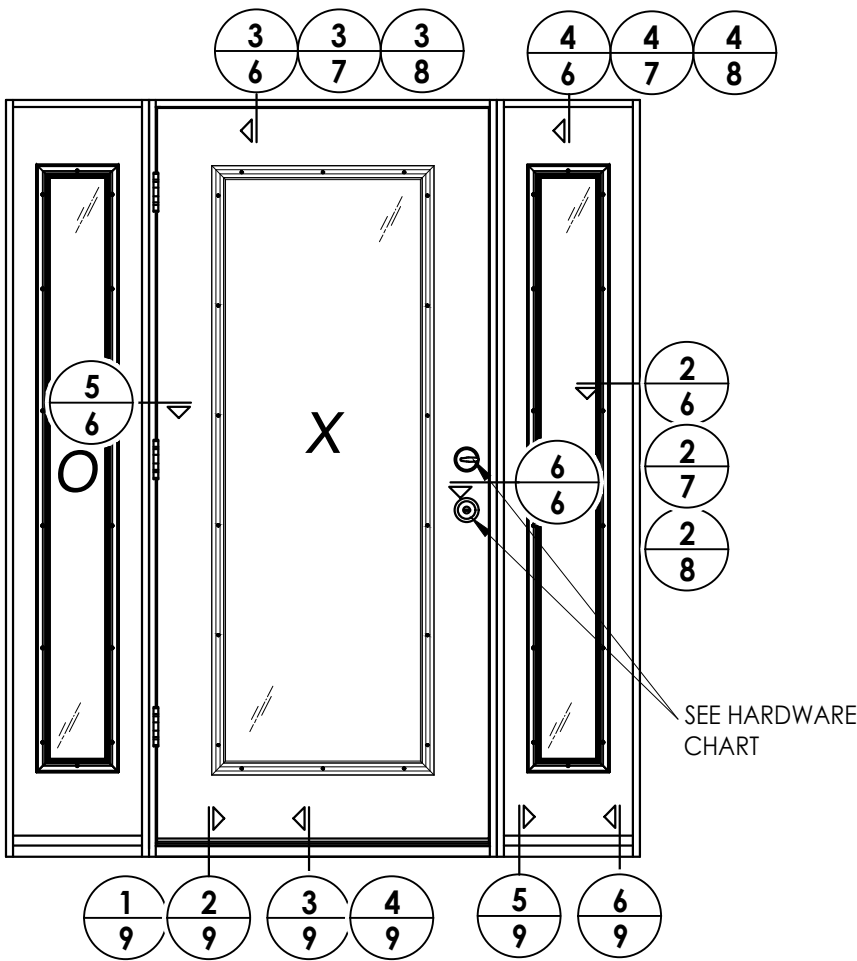
DATE: 8/10/16
SCALE: N.T.S.
DWG. BY: TJ
CHK. BY: LFS
DRAWING NO.: FL-21135.15
SHEET 4 OF 15

BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
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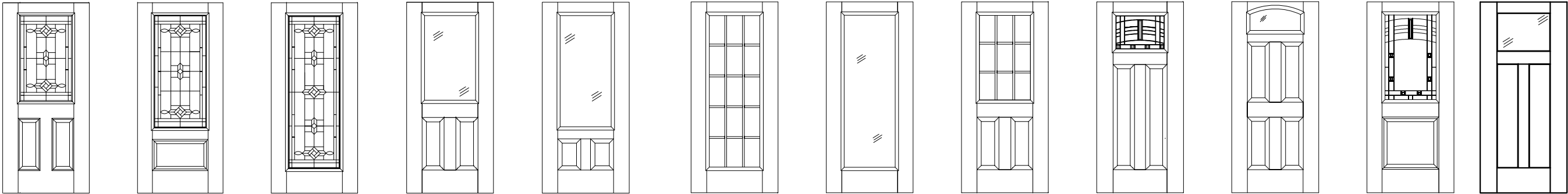


ELEVATION
XO



ELEVATION
OXO

HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



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.

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

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FBPE Registry No. 9813

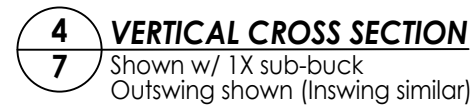
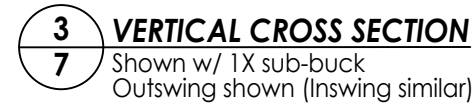
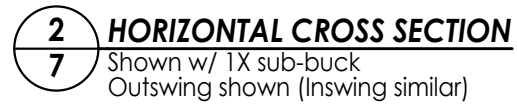
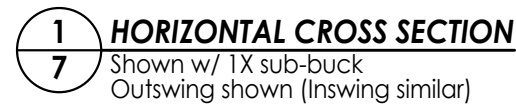
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

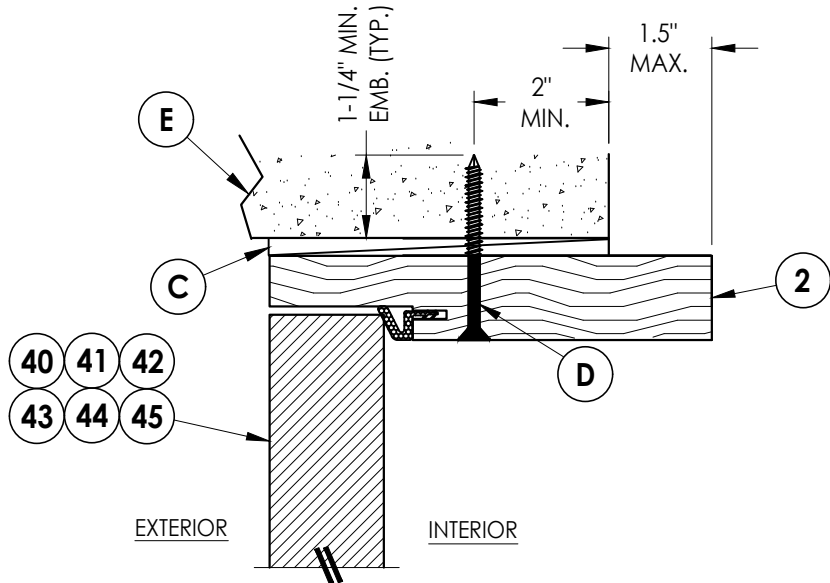
PART OR ASSEMBLY:
ELEVATIONS

REVISIONS	
NO.	DATE
2	8/21/23
1	7/16/20

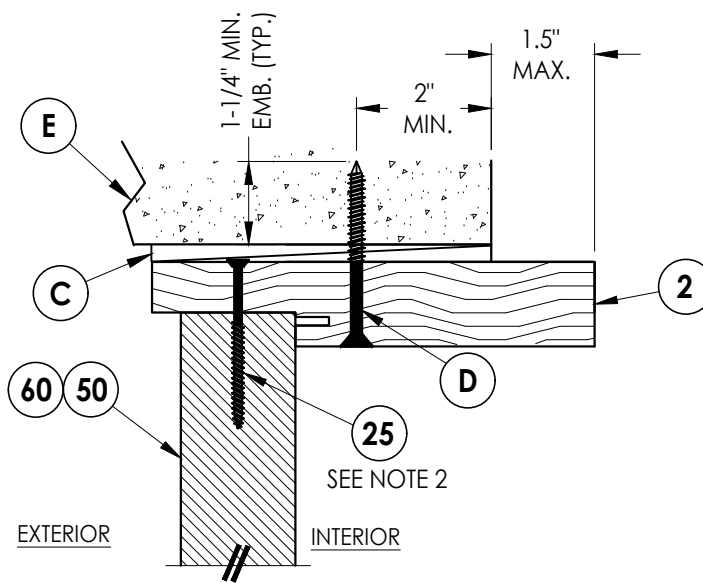
DATE: 03/07/20
SCALE: N.T.S.
DWG. BY: TJ
CHK. BY: LFS
DRAWING NO.: FL-21135.15
SHEET 5 OF 15

1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).

[illegible]



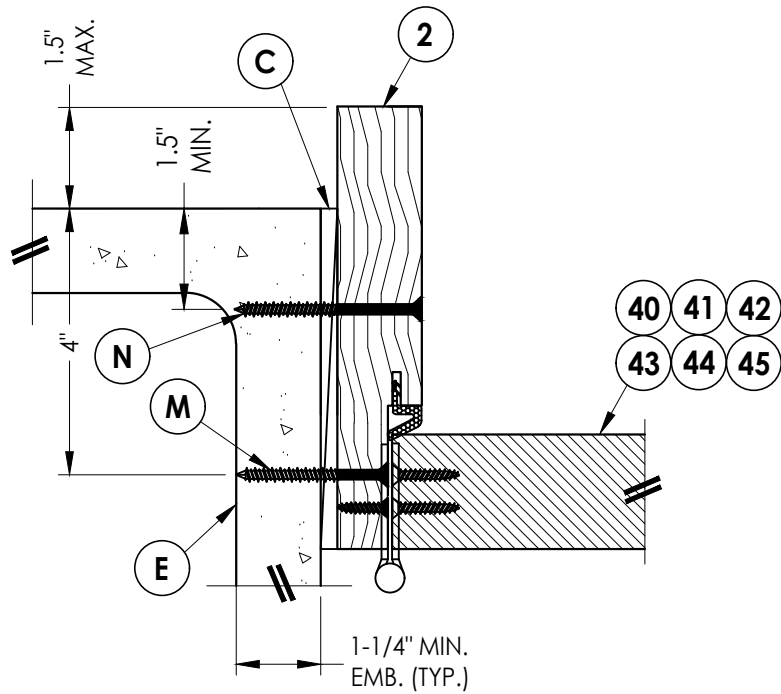
3 **HORIZONTAL CROSS SECTION**
8 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



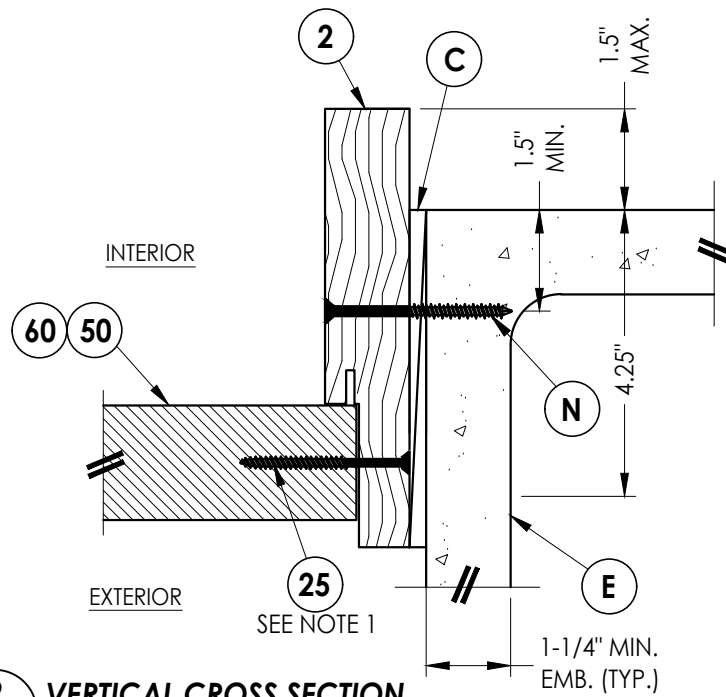
4 **VERTICAL CROSS SECTION**
8 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

Notes:

- Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
- Sidelite assembly screws located 4" from each end (2 screws along head jamb).



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



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

Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 4-3409

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

PRODUCT: THERMA-TRU
 FIBERGLASS DOOR

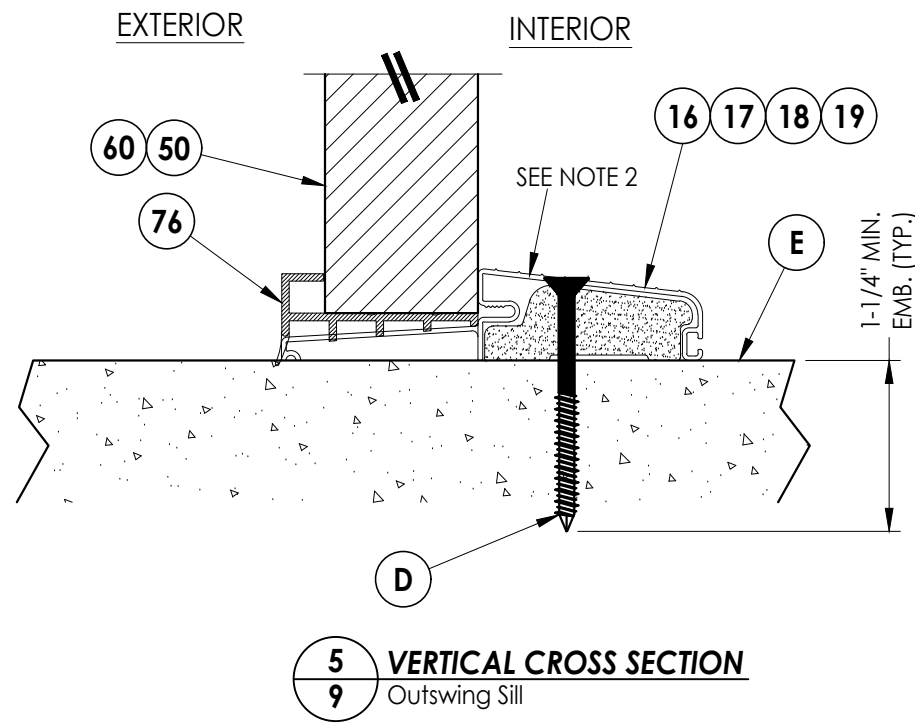
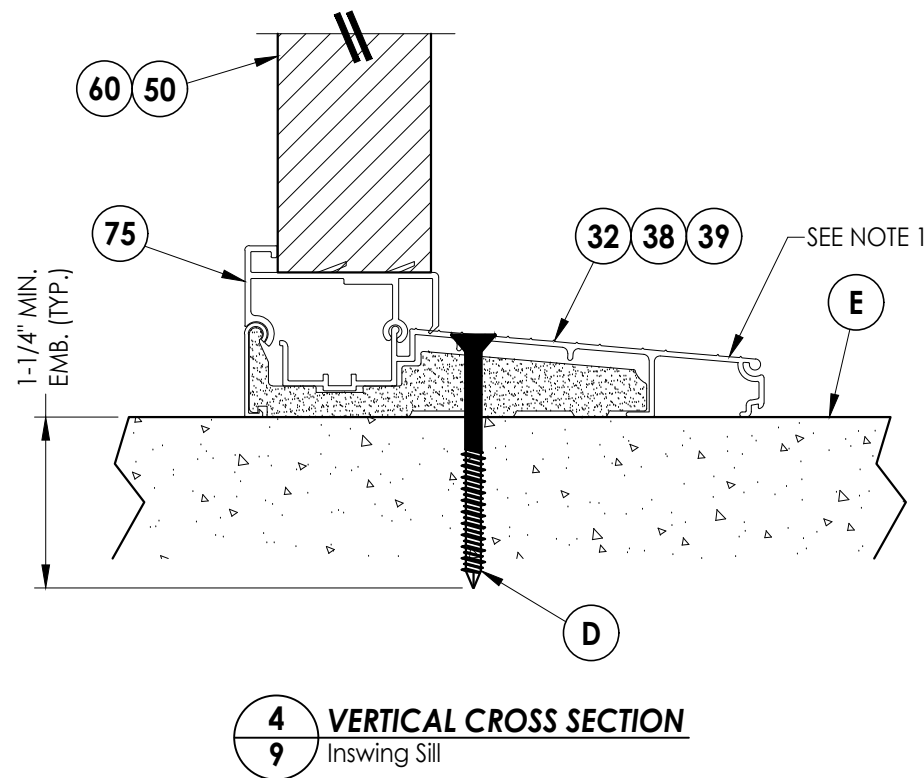
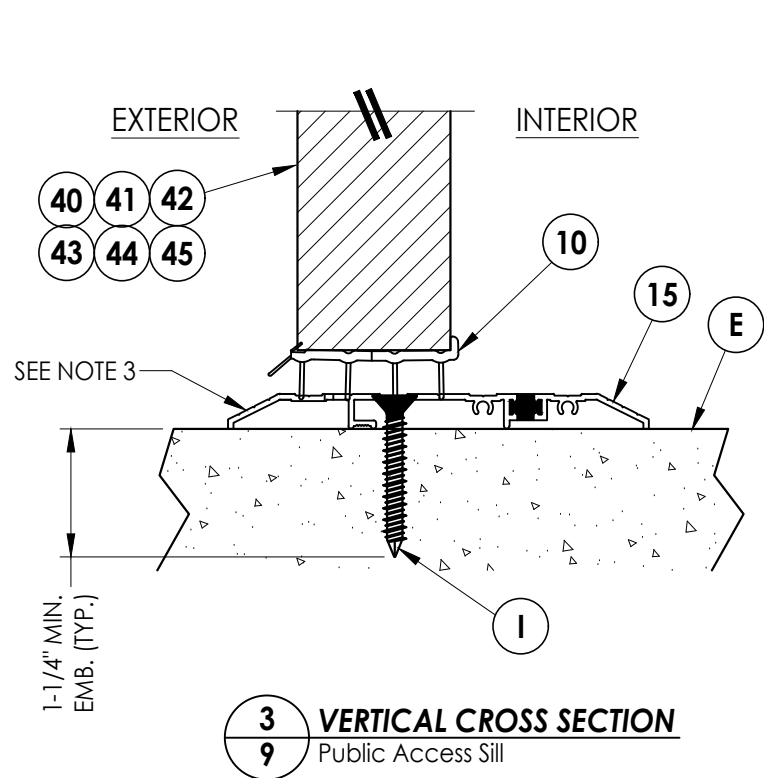
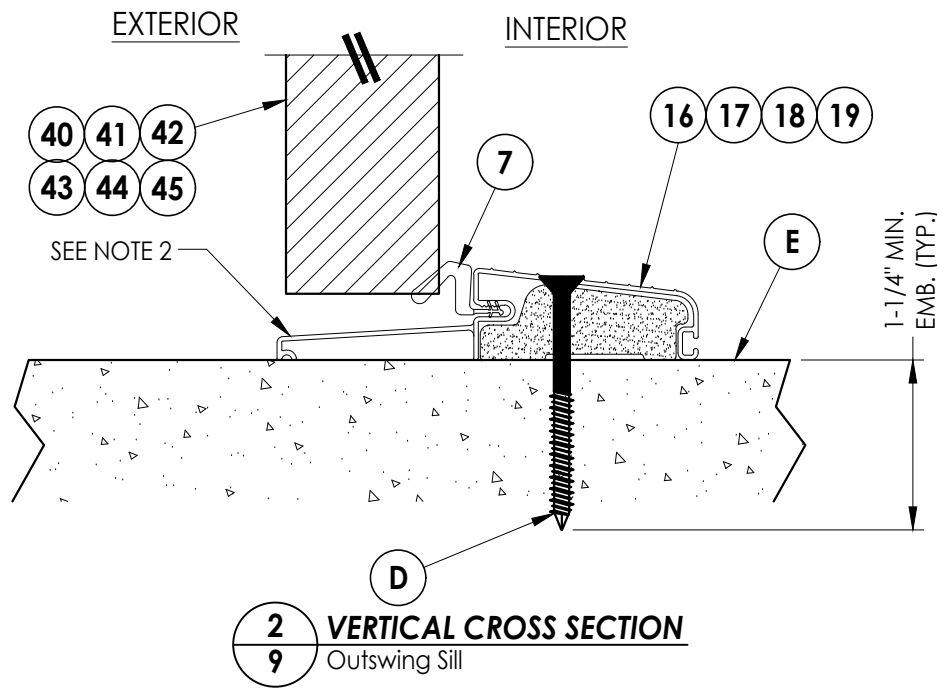
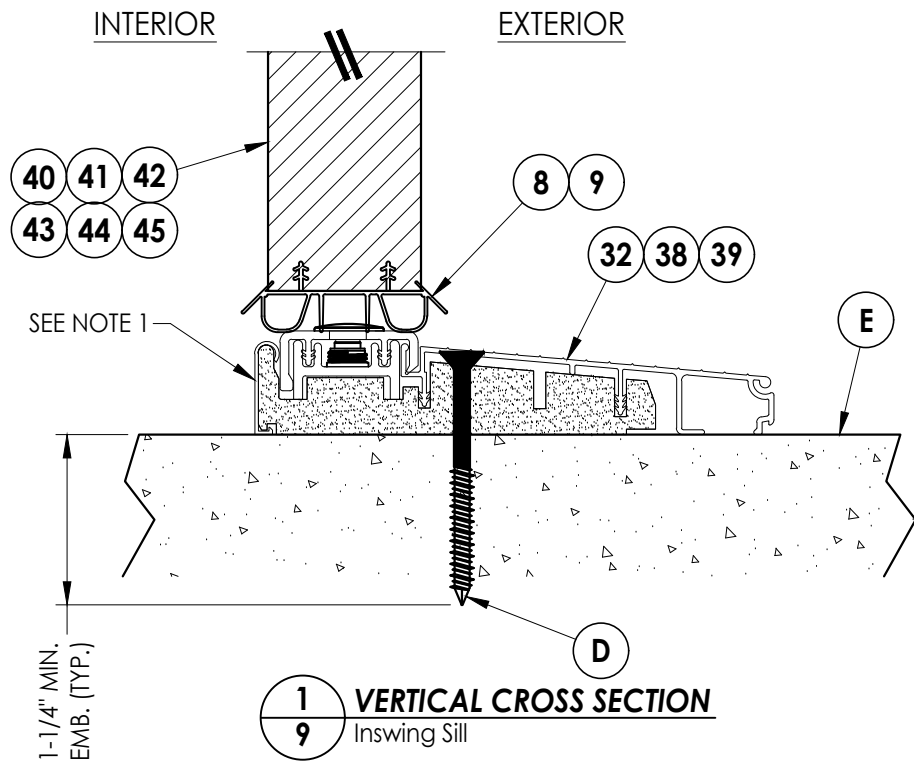
PART OR ASSEMBLY:
 HORIZONTAL & VERTICAL
 SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC
1	7/16/20	UPDATE TO 7th ED (2020) FBC

DATE: 03/07/20
 SCALE: N.T.S.
 DWG. BY: TJ
 CHK. BY: LFS
 DRAWING NO.: FL-21135.15
 SHEET 8 OF 15

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R6\FL-21135.14 - 17.dwg

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

NO.	DATE	REVISIONS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC
1	7/16/20	UPDATE TO 7th ED (2020) FBC

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

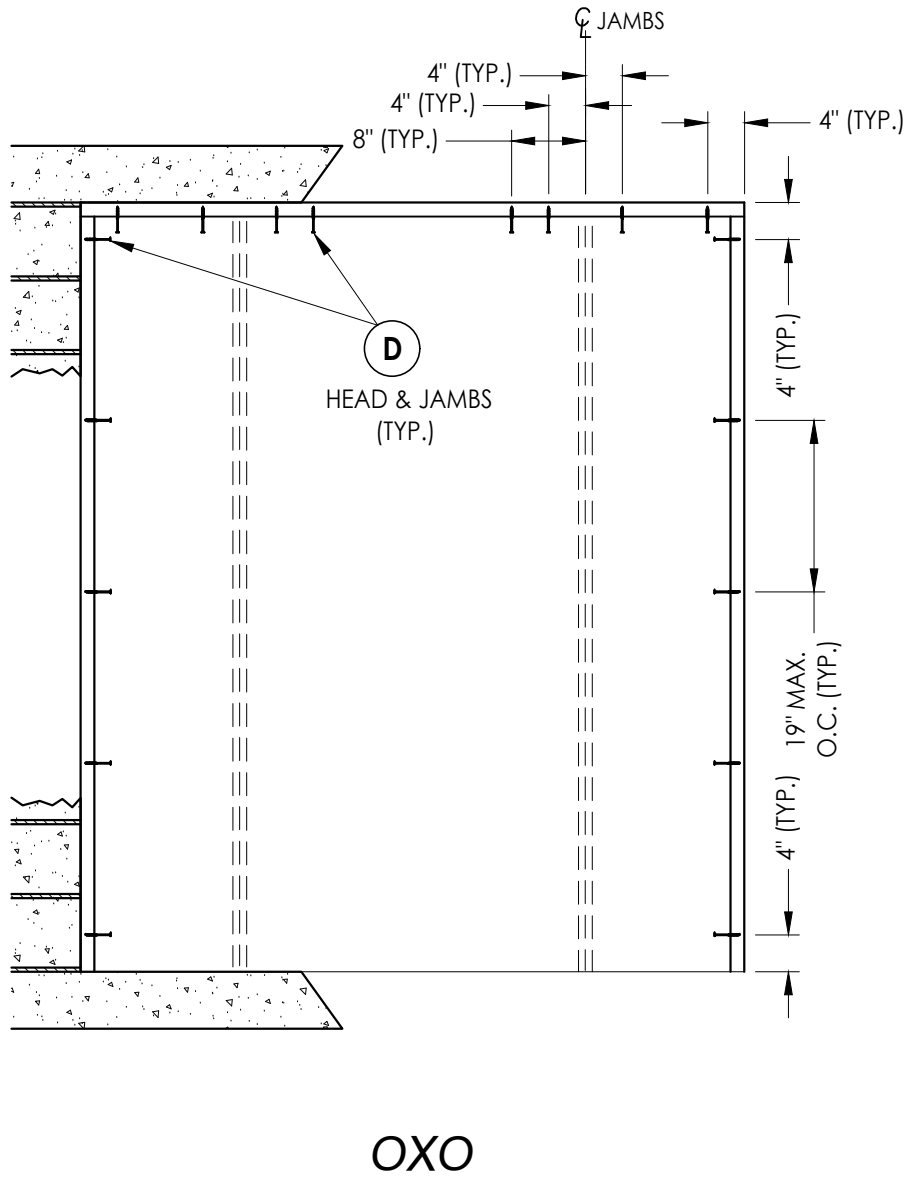
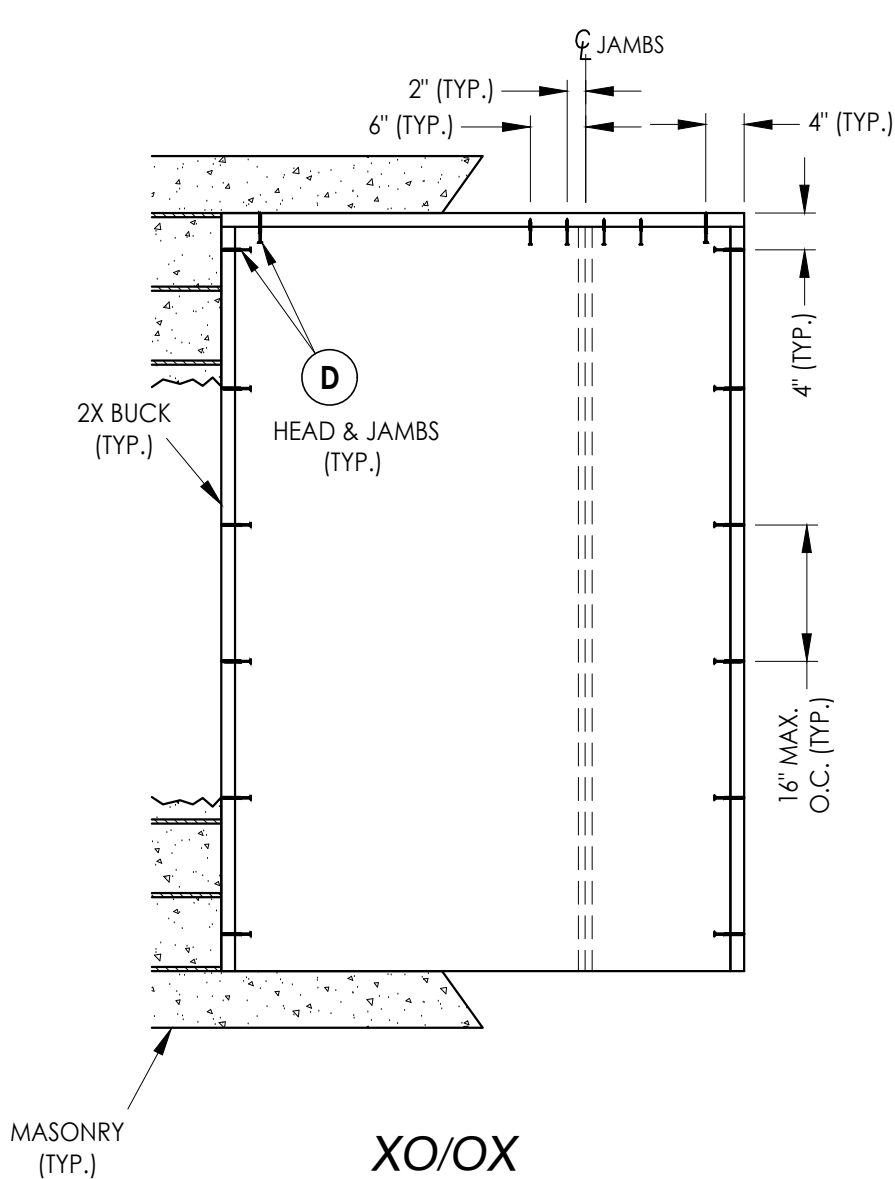
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DRAWING NO.:

FL-21135.15

SHEET 9 OF 15

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R6\FL-21135.14 - 17.dwg



2X BUCK ANCHORING

DATE: 03/07/20	
SCALE: N.T.S.	
DWG. BY: TJ	
CHK. BY: LFS	
DRAWING NO.: FL-21135.15	
SHEET 10 OF 15	

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

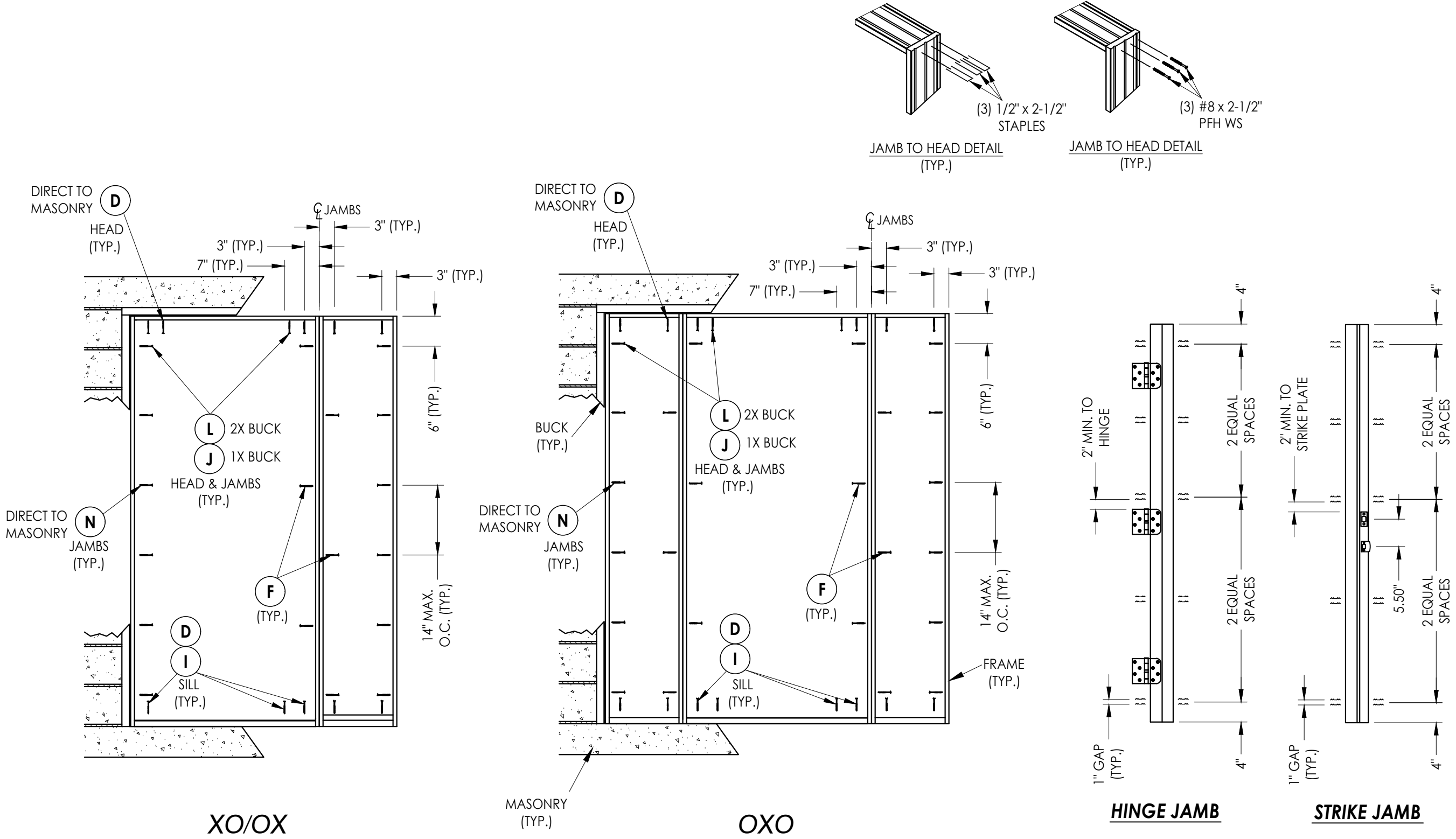
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
	PART OR ASSEMBLY: BUCK ANCHORING

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

RW

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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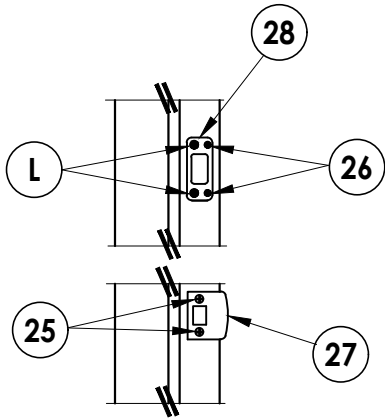


FRAME ANCHORING

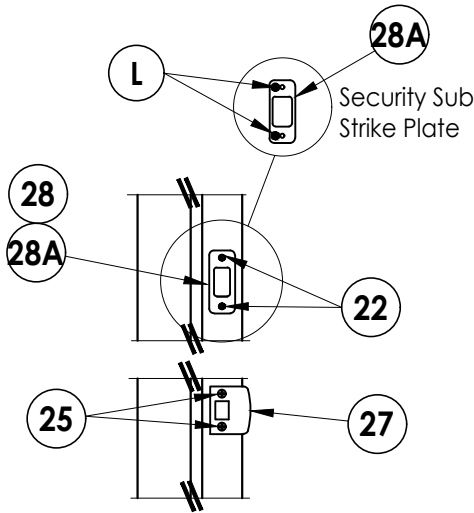
HINGE JAMB
STRIKE JAMB
CORRUGATED FASTENER LOCATIONS

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: FRAME ANCHORING	
		LFS	BY
		FBC	PO
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/16/20	UPDATE TO 7th ED (2020)	FBC
NO.	DATE		
REVISIONS			
DATE: 03/07/20			
SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: LFS			
DRAWING NO.: FL-21135.15			
SHEET 11 OF 15			

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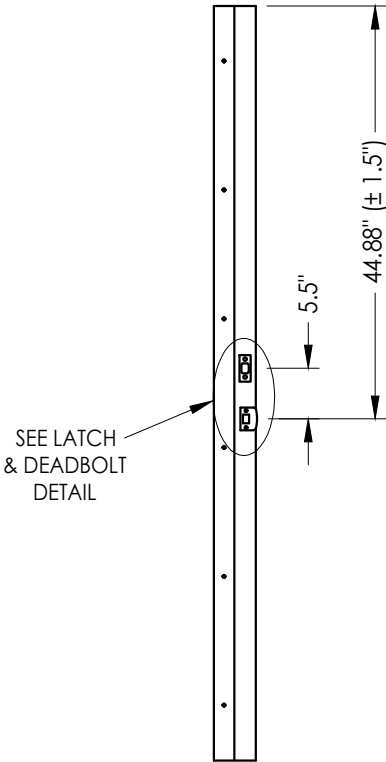


LATCH & DEADBOLT DETAIL
Kwikset

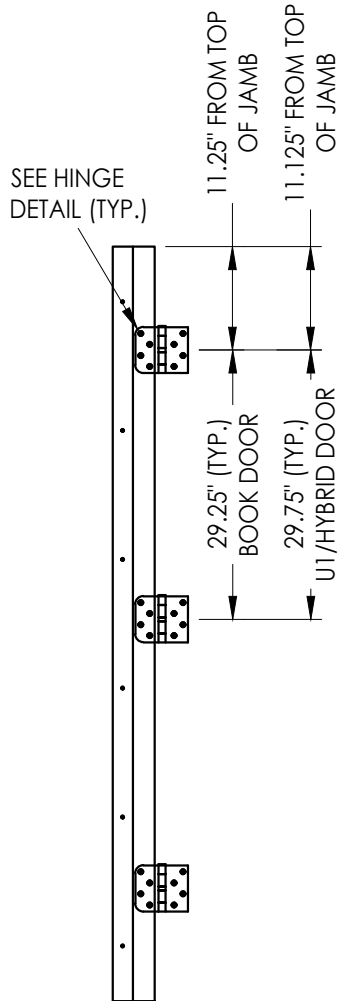


LATCH & DEADBOLT DETAIL
Schlage

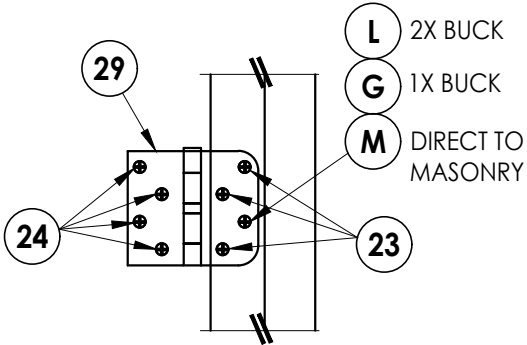
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch and Deadbolt



HINGE JAMB



HINGE DETAIL

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

CHK. BY: LFS

DRAWING NO.:

FL-21135.15

SHEET 12 OF 15

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

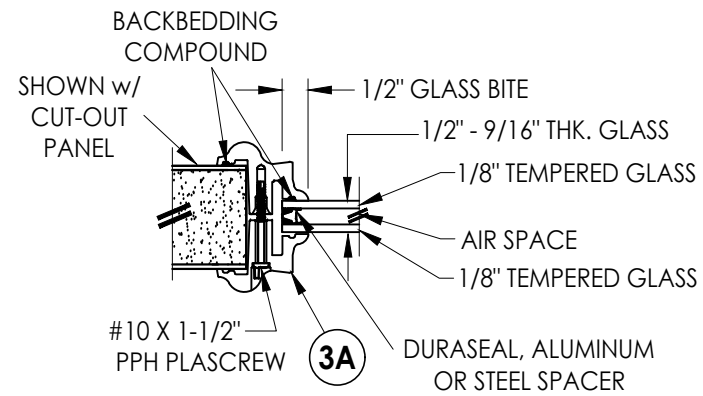
HARDWARE DETAILS

REVISIONS

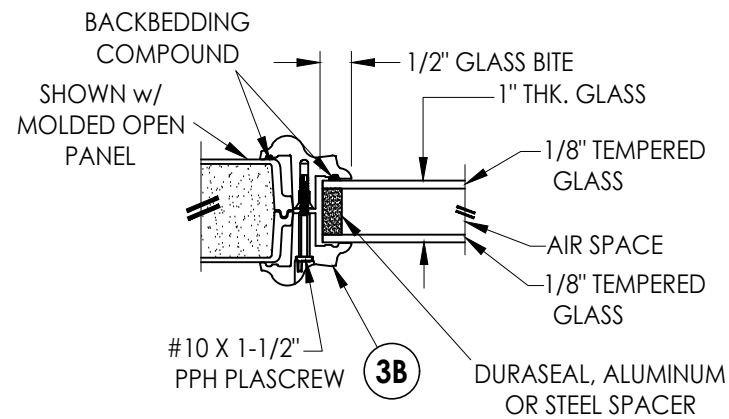
Documents Prepared By:

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

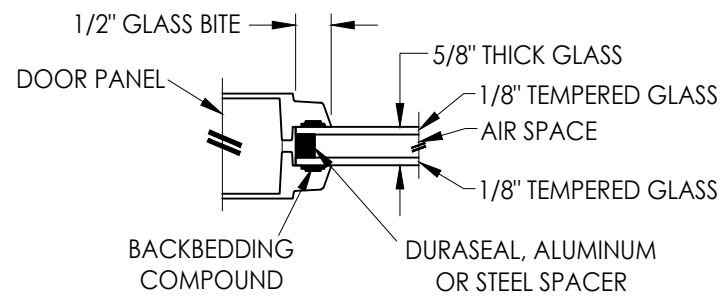
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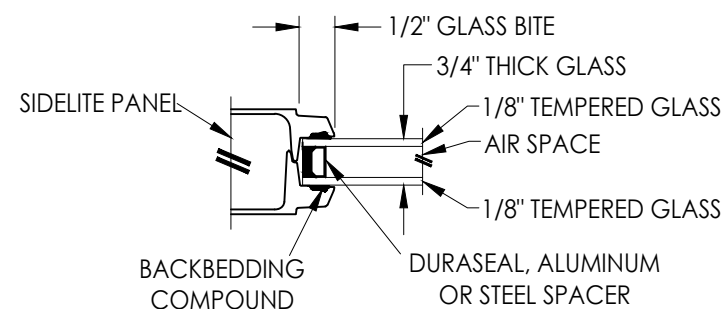
G1 GLAZING DETAIL
BTS Lite Frame
Door Panels & Sidelites



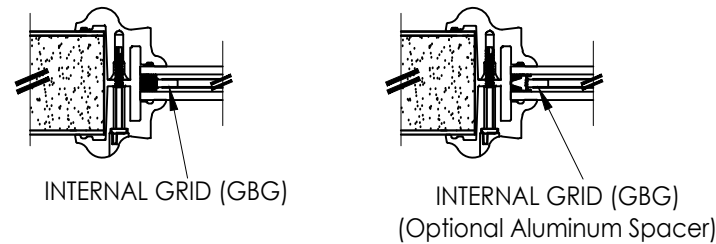
G2 GLAZING DETAIL
BTS Lite Frame
Door Panels & Sidelites



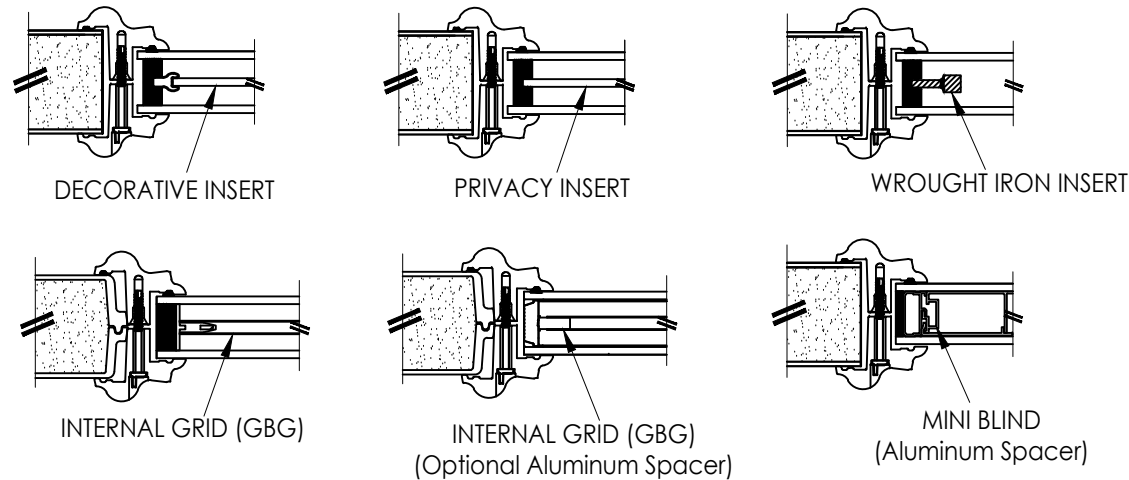
G3 GLAZING DETAIL
Flush Glazing
Door Panels



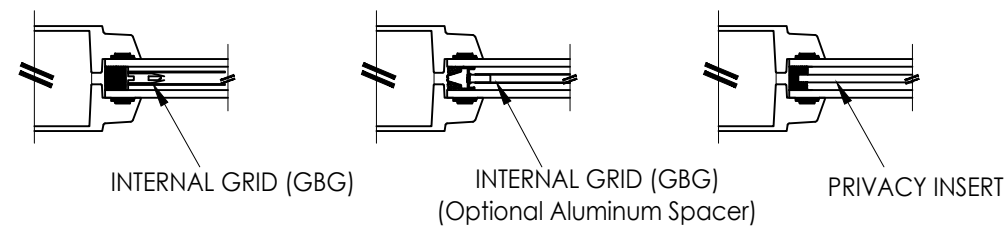
G4 GLAZING DETAIL
Flush Glazing
Sidelites



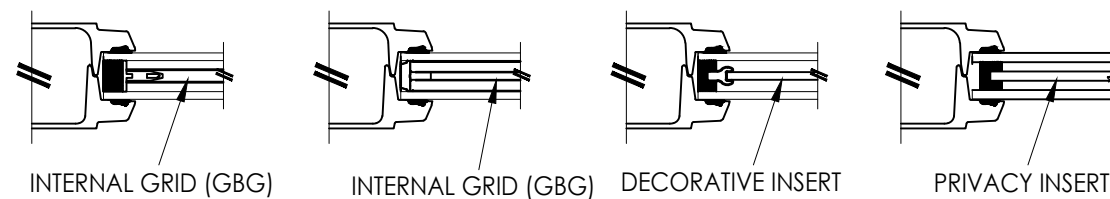
9/16" INSULATED GLASS INSERT OPTIONS



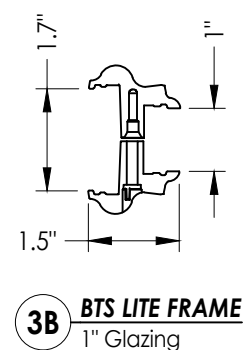
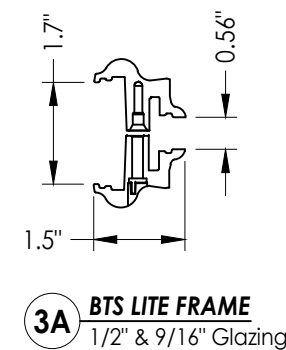
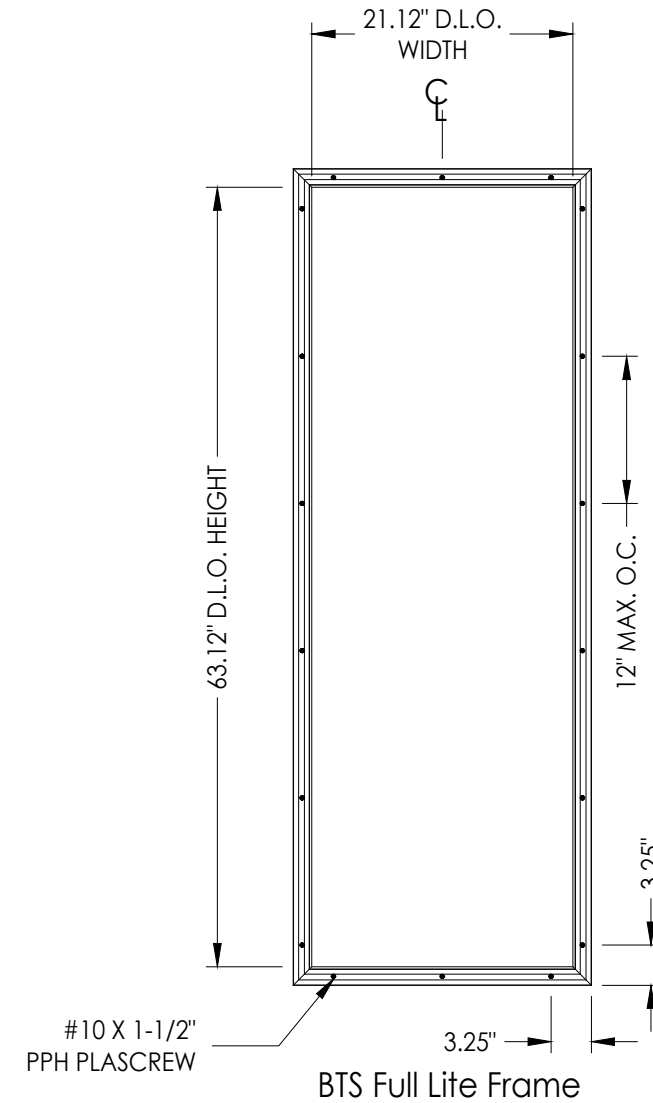
1" INSULATED GLASS INSERT OPTIONS



5/8" INSULATED GLASS INSERT OPTIONS



3/4" INSULATED GLASS INSERT OPTIONS



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: GLAZING DETAILS	
			LFS
			PO
			BY
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/16/20	UPDATE TO 7th ED (2020)	FBC
NO.	DATE		
REVISIONS			
DATE: 03/07/20			
SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: LFS			
DRAWING NO.: FL-21135.15			
SHEET 13 OF 15			

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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
F	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR 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	PUBLIC ACCESS 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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
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
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 (HALF LITE)	-
75	SIDELITE SPACER (INSWING)	-
76	SIDELITE SPACER (OUTSWING)	-

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"

WOOD SCREW INSTALLATION NOTES:

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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS

REVISIONS

2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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DATE: 03/07/20

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SHEET 15 OF 15

RW

BUILDING CONSULTANTS, INC.

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