



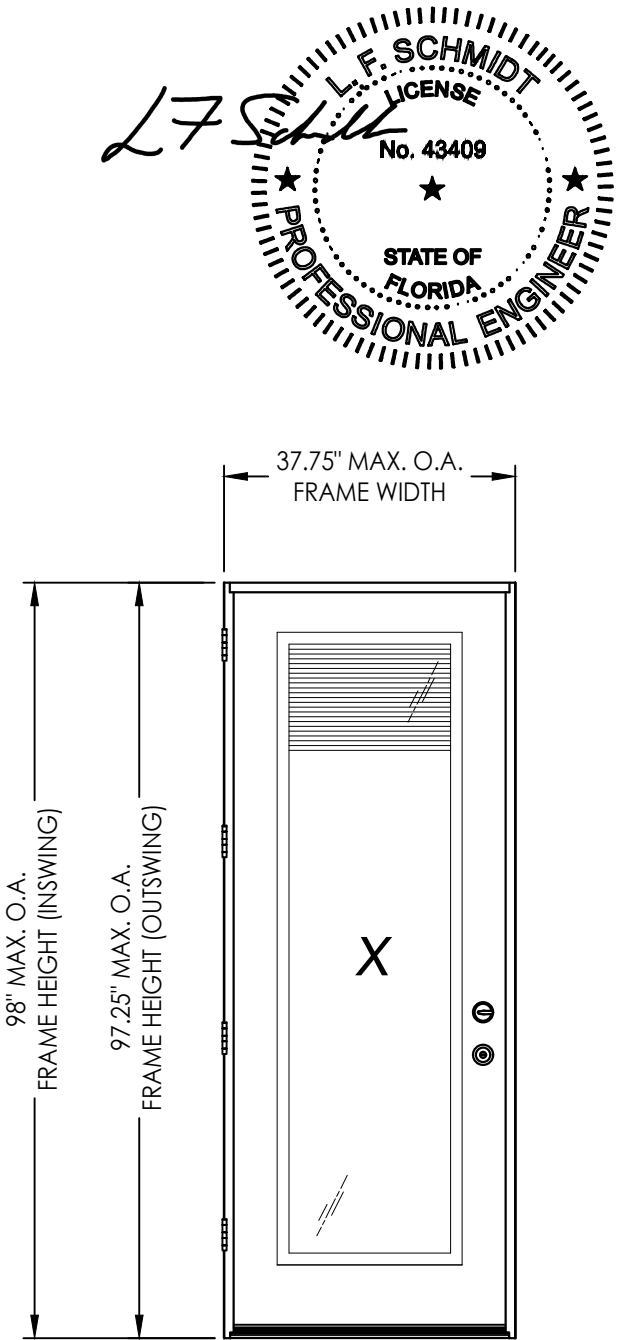
Fiber-Classic® & Smooth-Star®

COMPOSITE EDGE
GLAZED FIBERGLASS SINGLE DOOR
w/ BLINDS BETWEEN GLASS
INSWING/OUTSWING
"IMPACT"

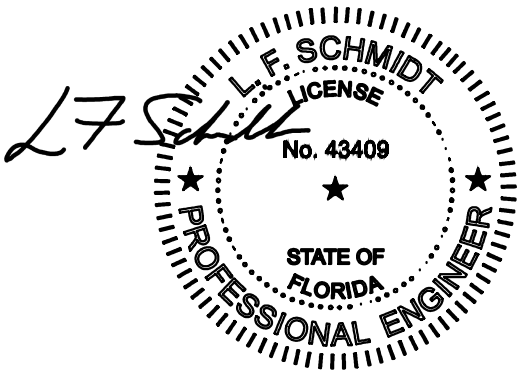
GENERAL NOTES

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 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 excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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
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3	Elevations
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5	Horizontal & Vertical Cross Sections (1X Buck)
6	Vertical Cross Sections (Thresholds)
7	Buck & Frame Anchoring
8	Hardware Details
9	Lite Frame & Glazing Details
10	Bill of Materials & Components



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+50.0	-50.0	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.27 11:37:57 -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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

DATE: 5/25/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-37183.10

SHEET 1 OF 10

17/27/23
NO. 1
DATE

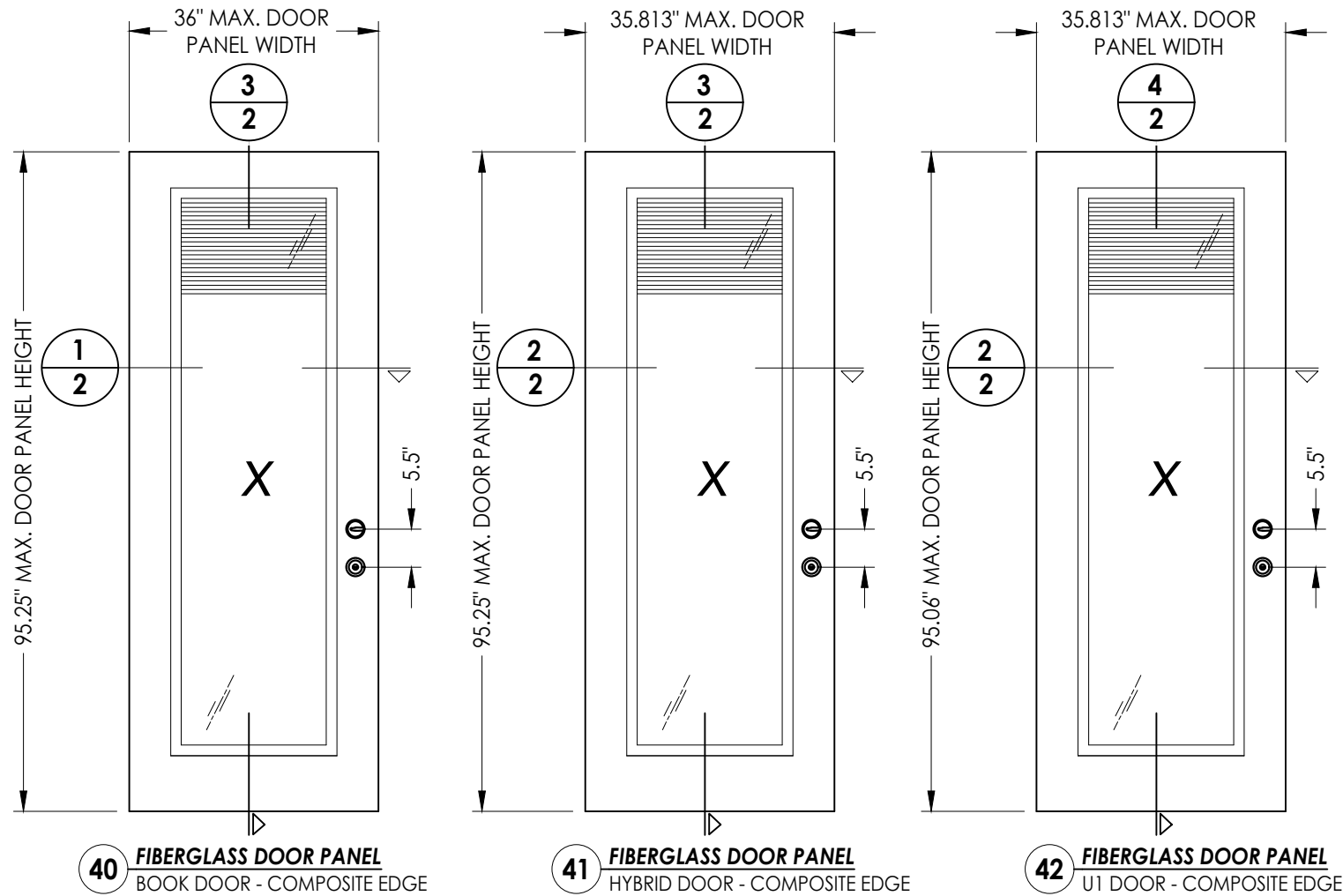
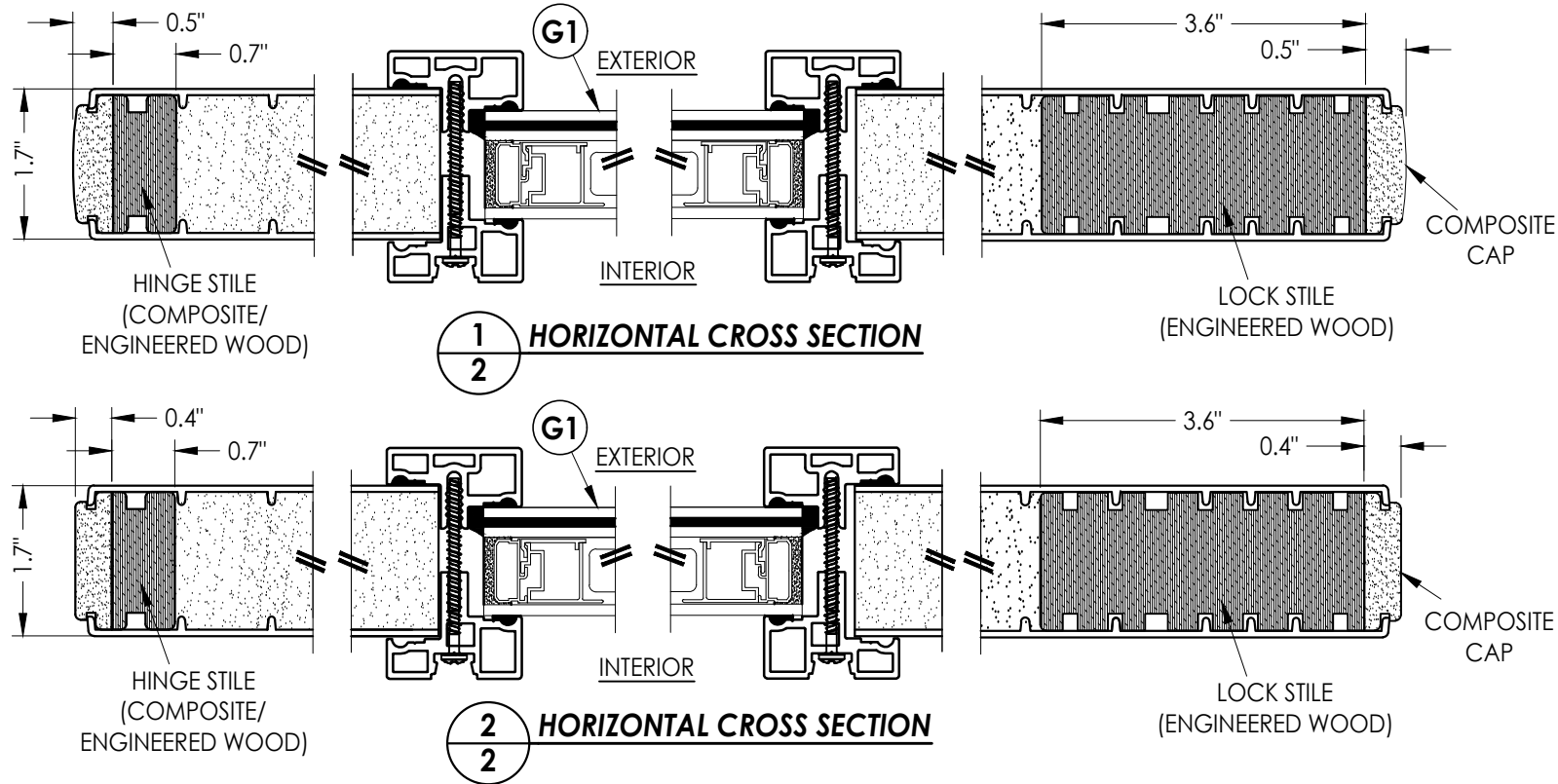
7/27/23
UPDATE TO 8TH ED. (2023)
FBC

LFS
BY

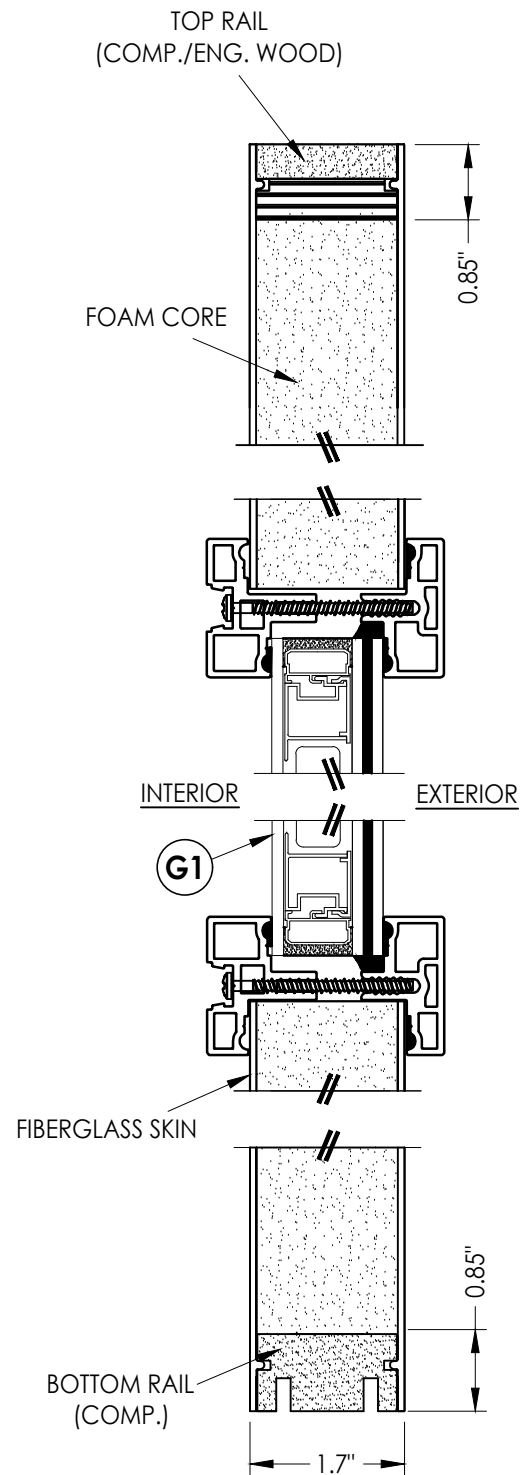
REVISIONS

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

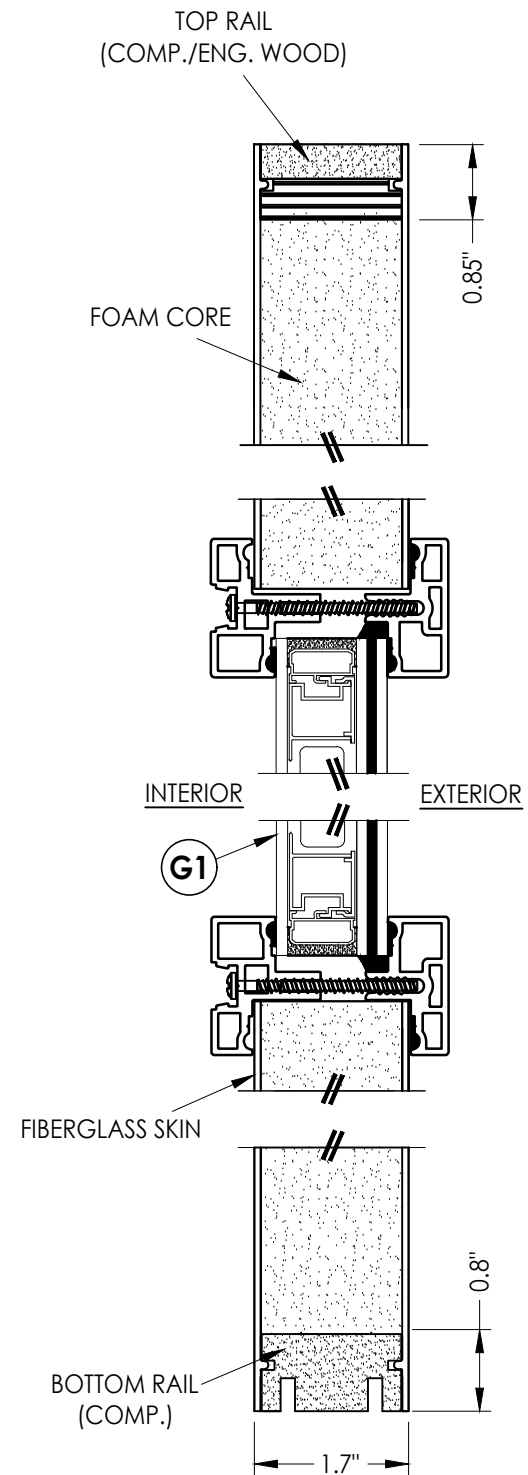
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FIBERGLASS SKIN: 0.082" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



3
2
VERTICAL CROSS SECTION



4
2
VERTICAL CROSS SECTION

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
1	7/27/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 5/25/21

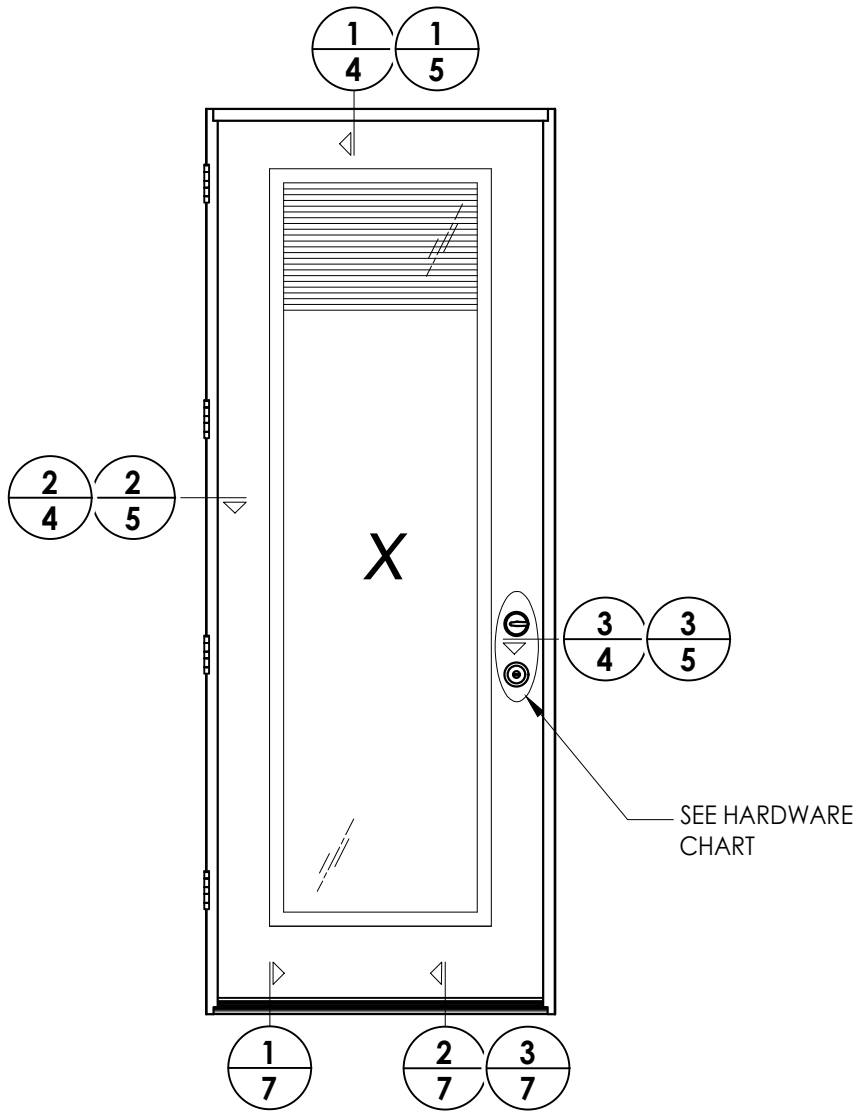
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CHK. BY: LFS

DRAWING NO.: FL-37183.10

SHEET 2 OF 10



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

[illegible]

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

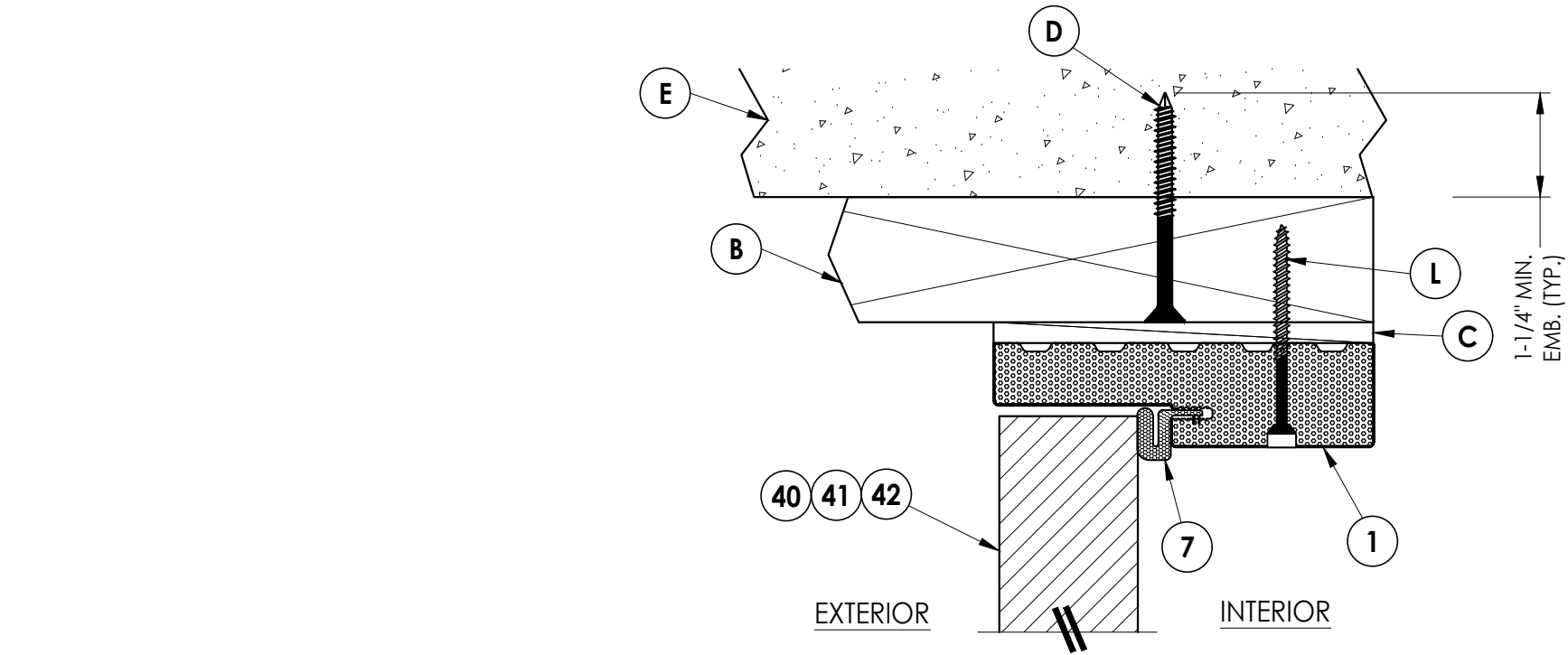
PART OR ASSEMBLY:

ELEVATIONS

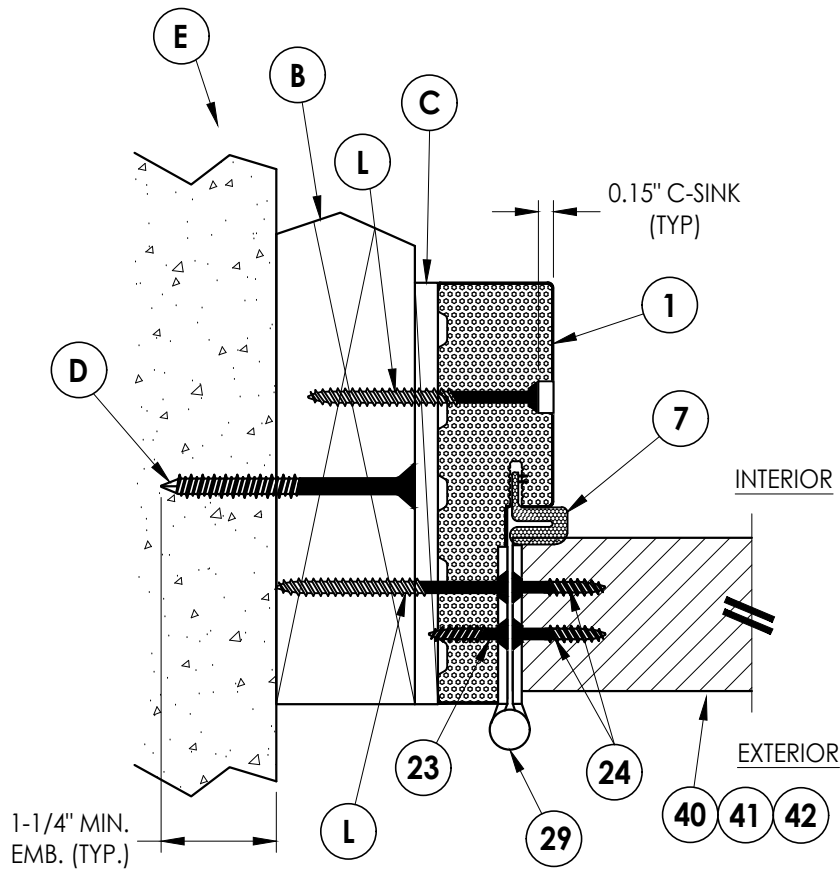
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Lyndon F. Schmidt
P.E. No. 43409

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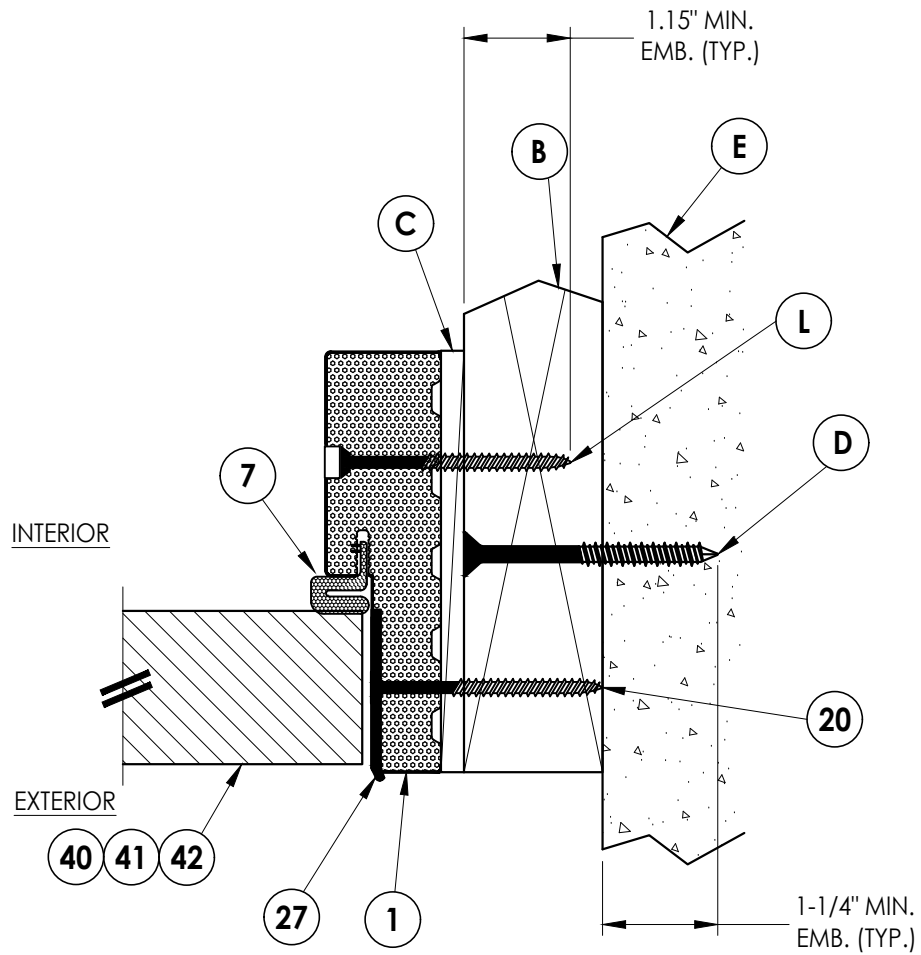
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1
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



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

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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
1	7/27/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 5/25/21

SCALE: N.T.S.

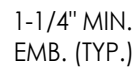
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CHK. BY: LFS

DRAWING NO.:

FL-37183.10

SHEET 4 OF 10



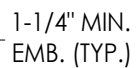
2 HORIZONTAL CROSS SECTION

5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



1 5 **VERTICAL CROSS SECTION**

Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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

[illegible]

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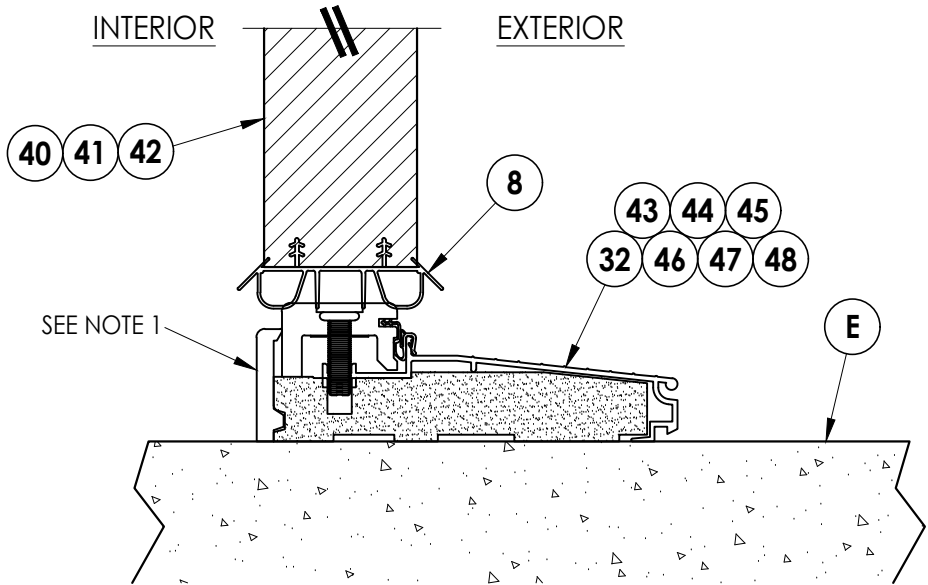
RW BUILDING CONSULTANTS, INC.
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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

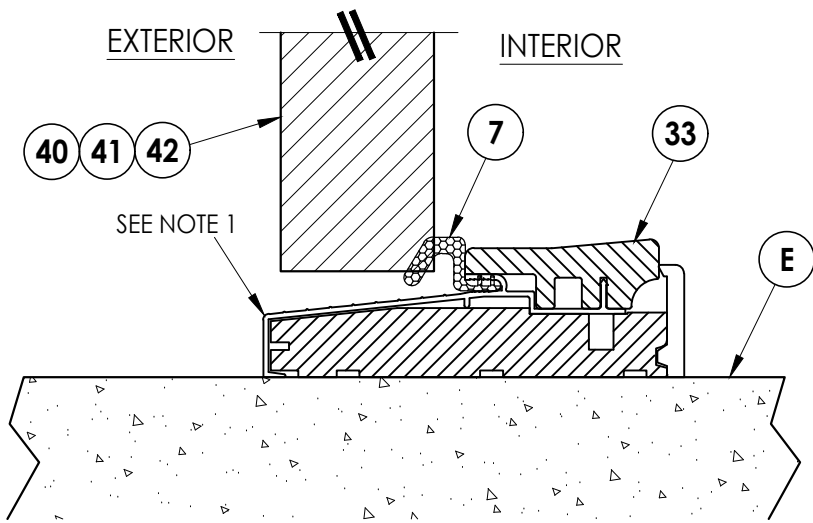
PART OR ASSEMBLY:
**HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)**

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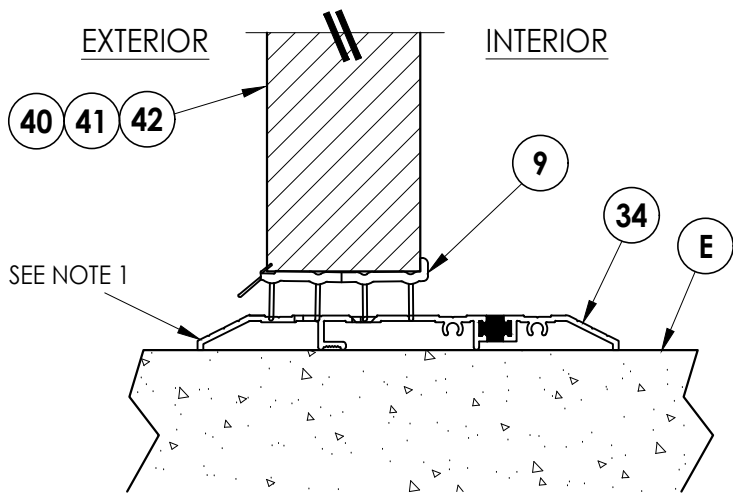
Note:
1. Sill Item #32, #43-48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #33 is attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #34 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.



1
6 VERTICAL CROSS SECTION
Inswing Sill



2
6 VERTICAL CROSS SECTION
Outswing Sill



3
6 VERTICAL CROSS SECTION
Public Access Sill

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	UPDATE TO	8TH ED. (2023)	FBC	LFS
1	7/27/23	DATE			BY
REVISIONS					

DATE: 5/25/21

SCALE: N.T.S.

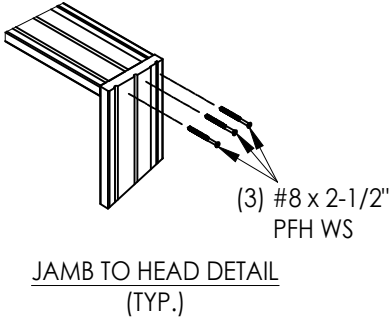
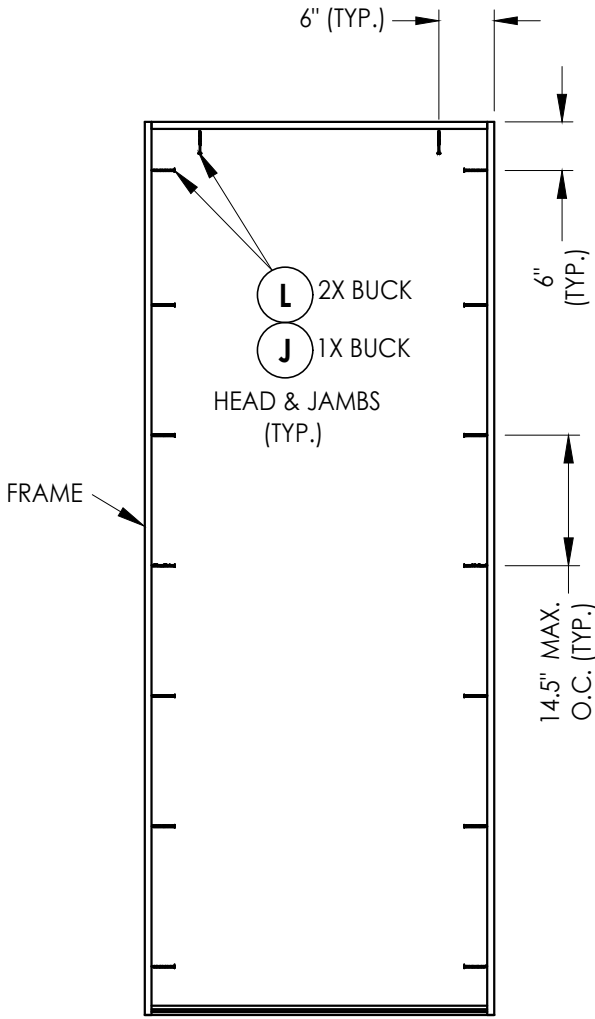
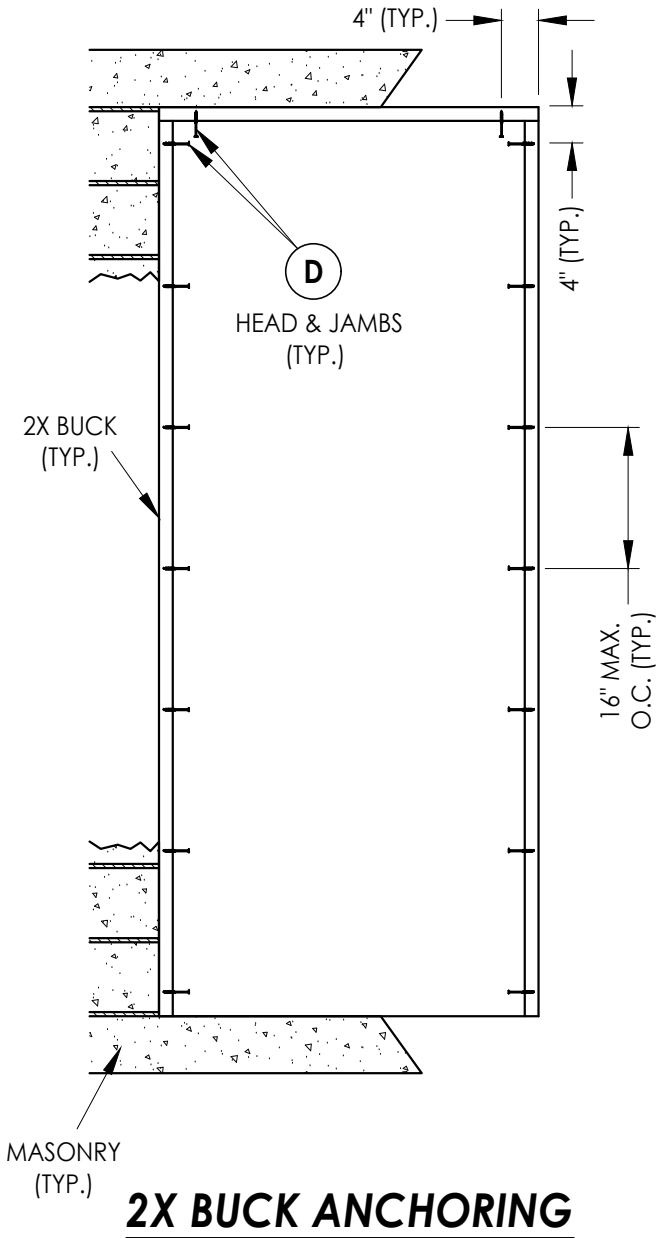
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CHK. BY: LFS

DRAWING NO.:
FL-37183.10

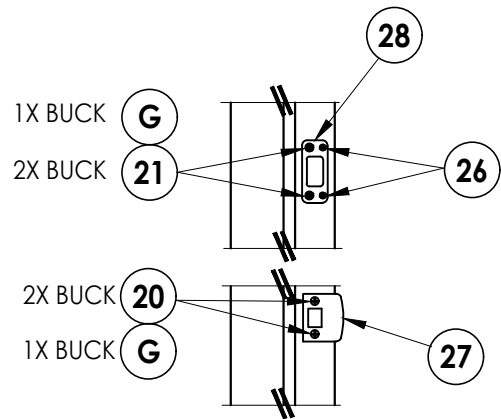
SHEET 6 OF 10

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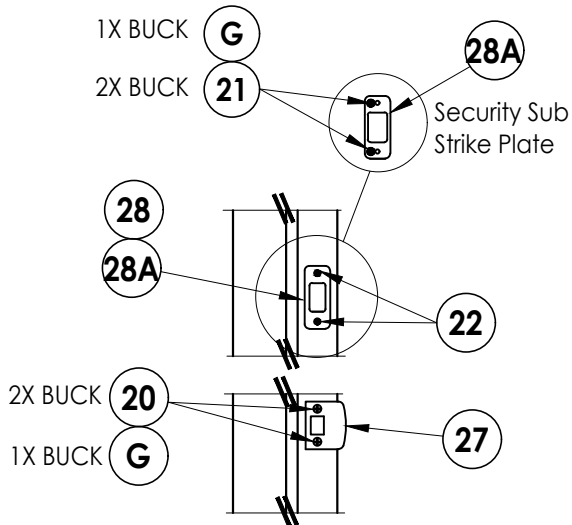


DATE: 5/25/21		PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: BUCK & FRAME ANCHORING		R^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: RW					
CHK. BY: LFS					
DRAWING NO.: FL-37183.10					
SHEET 7 OF 10					
1		7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NO.		DATE			BY

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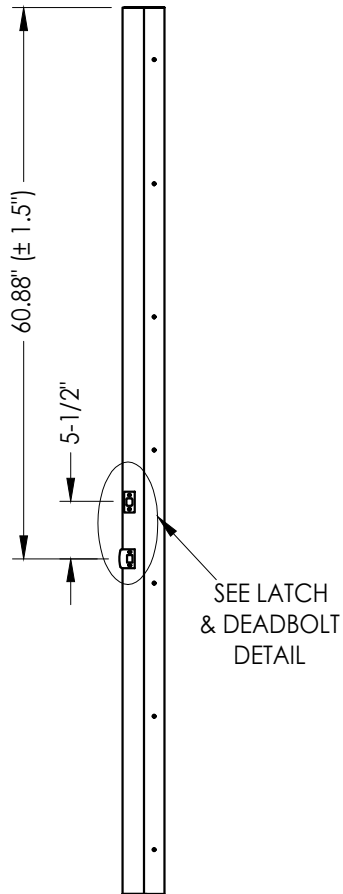


LATCH & DEADBOLT DETAIL
Kwikset

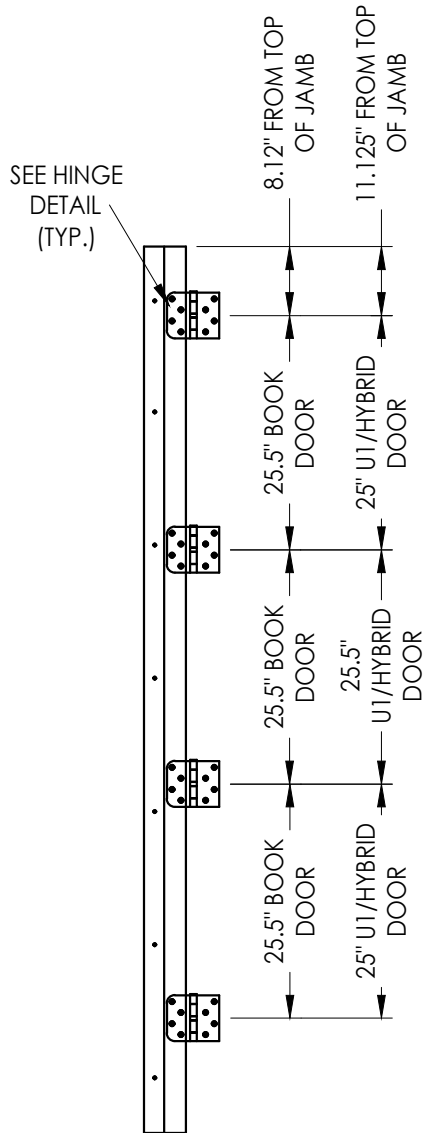


LATCH & DEADBOLT DETAIL
Schlage

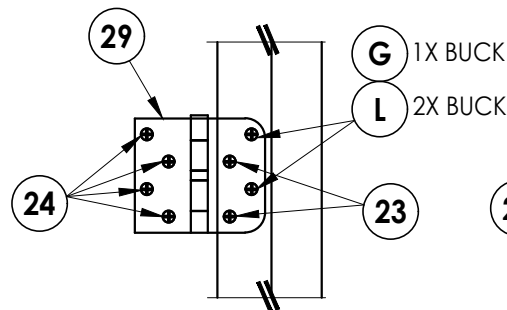
LATCH & DEADBOLT STRIKE DETAILS



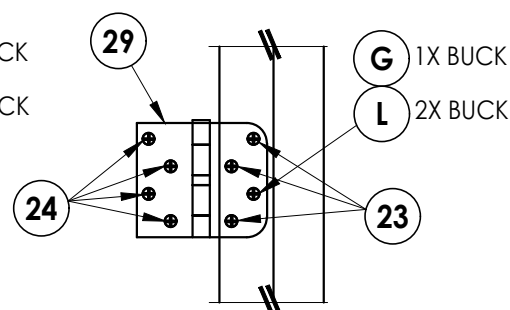
STRIKE JAMB
Latch & Deadbolt



HINGE JAMB



HINGE DETAIL
Inswing



HINGE DETAIL
Outswing

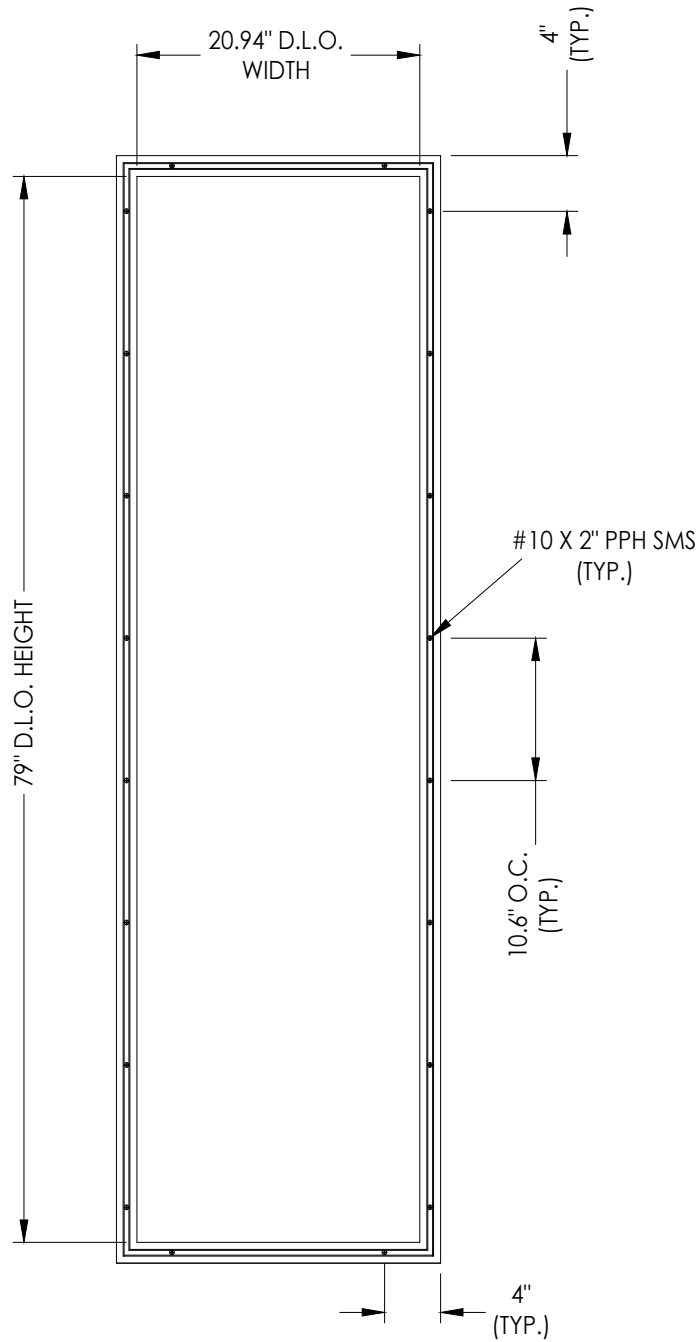
NO.	DATE	REVISIONS	
		BY	LFS
1	7/27/23	DATE	UPDATE TO 8TH ED. (2023)

DATE:	5/25/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-37183.10
SHEET	8 OF 10

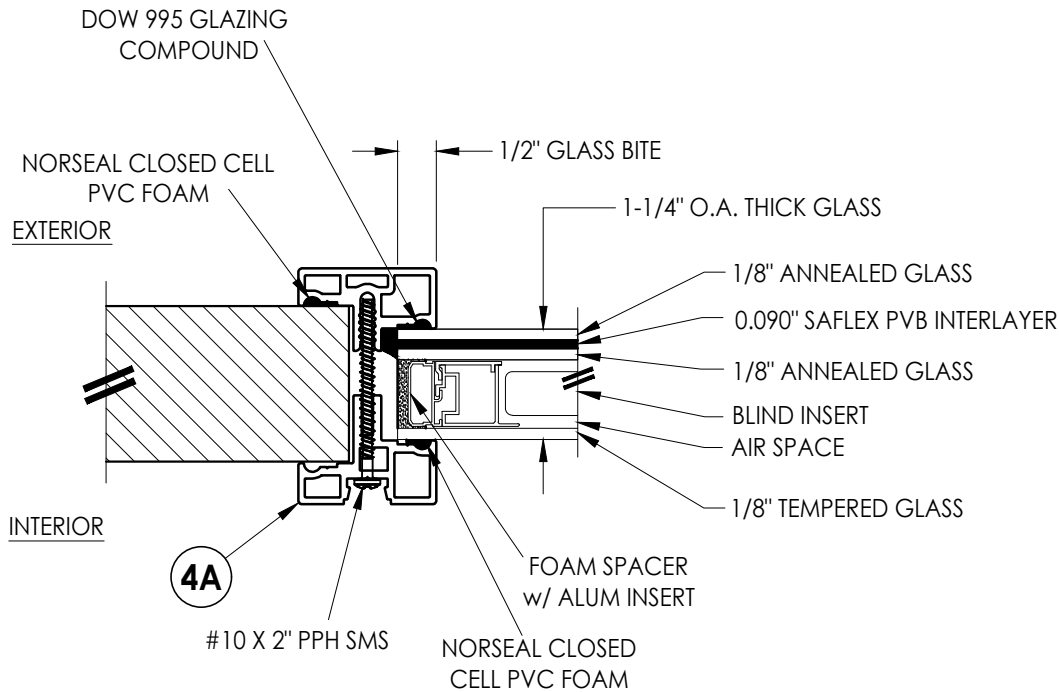
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	HARDWARE DETAILS

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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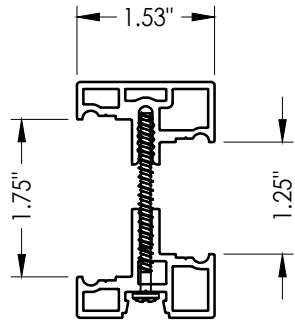
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8'-0" LITE FRAME
ALUM. (6063-T5)



G1 **GLAZING DETAIL**
1-1/4" Insulated Laminated Glass
w/ Internal Blinds



4A **ALUMINUM IMPACT LITE FRAME**

DATE:	5/25/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-37183.10
SHEET	9 OF 10

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	LITE FRAME & GLAZING DETAILS

NO.	DATE	DESCRIPTION
1	7/27/23	UPDATE TO 8TH ED. (2023) FBC
LFS	BY	

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

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