

THERMA-TRU®
DOORS

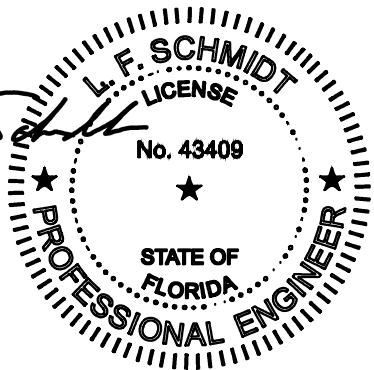
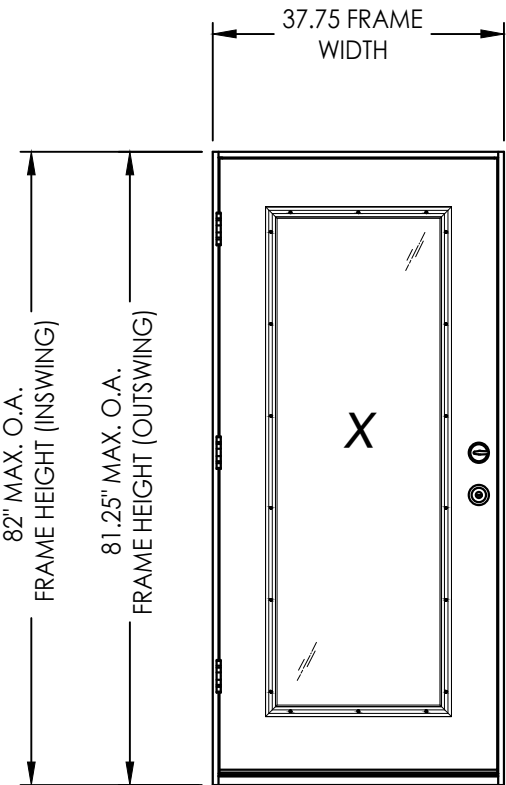
Fiber-Classic® & Smooth-Star®

COMPOSITE EDGE
GLAZED FIBERGLASS SINGLE DOOR
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. Fiber-Classic & Smooth-Star Door panels require the use of "J" part numbers and must be stained or painted within six months of installation.

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12	Components
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Digitally signed by Lyndon F Schmidt
Date: 2023.07.19 15:14:39 -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

CONFIG.	LITE INSERT	DOOR GLAZING MAX. D.L.O.	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
				POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Lip Lite	21.12" X 63.12"	Latch & Deadbolt	+50.0	-50.0	+50.0	-50.0
X			Multipoint	+50.0	-50.0	+50.0	-50.0
X	Molded Open	21.12" X 63.12"	Latch & Deadbolt	+50.0	-50.0	+50.0	-50.0
X			Multipoint	+55.0	-55.0	+60.0	-60.0
X	Flush Glazed	24.12" X 63.38"	Latch & Deadbolt	+55.0	-65.0	+55.0	-55.0
X			Multipoint	+55.0	-65.0	+55.0	-55.0
X	Flush Glazed	26.0" X 63.38"	Latch & Deadbolt	+55.0	-65.0	+55.0	-55.0
X			Multipoint	+50.0	-50.0	+50.0	-50.0

See Sheet 4 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

5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	7/21/20	UPDATE TO 7th ED (2020)	FBC	LFS
3	10/09/18	REV. DOOR PANEL OPTION NOTE	MT	
2	7/7/17	UPDATE TO 6th ED (2017)	FBC	JK
1	3/22/17	REVISE FLUSH GLAZING		LFS
NO.	DATE			BY
REVISIONS				

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

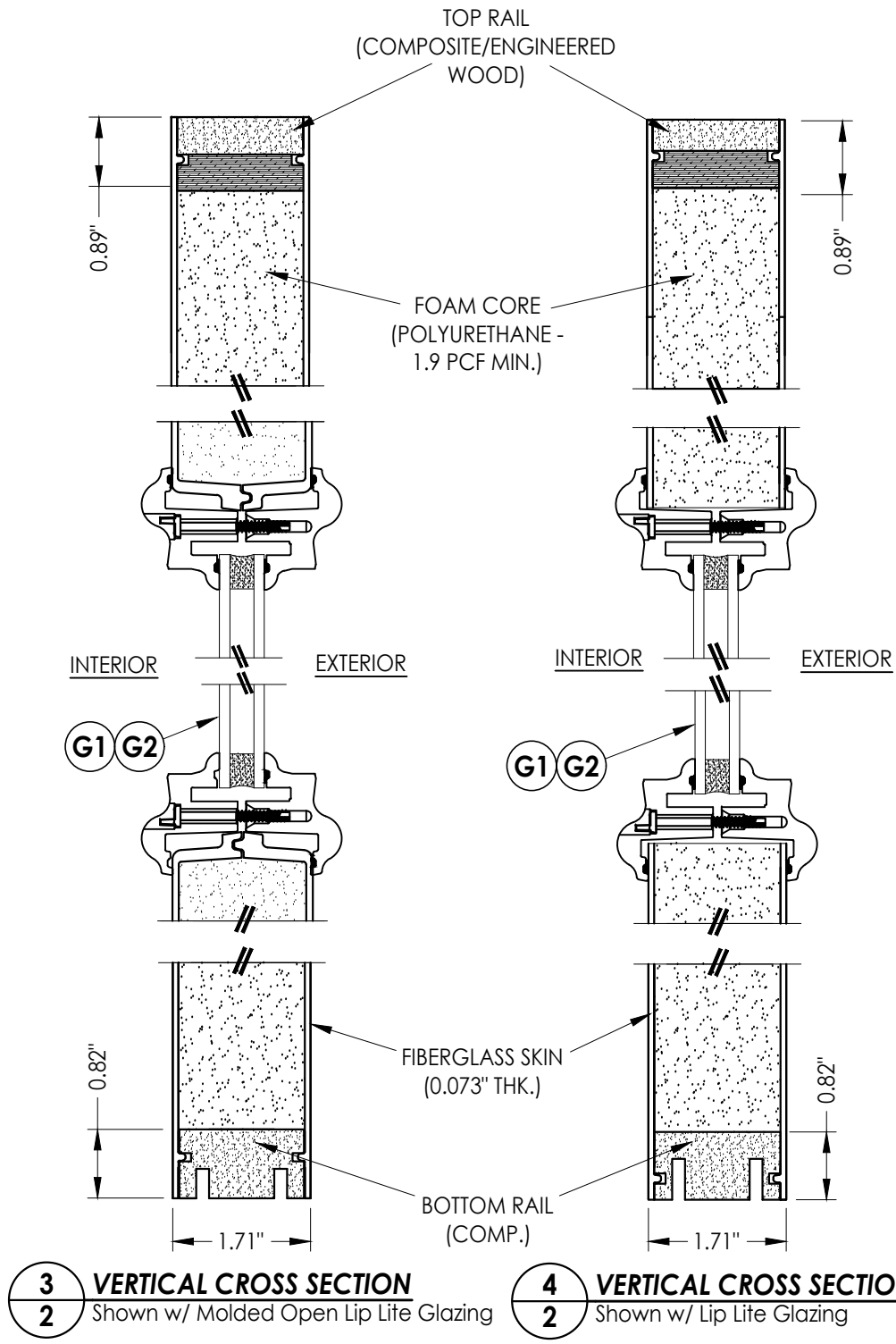
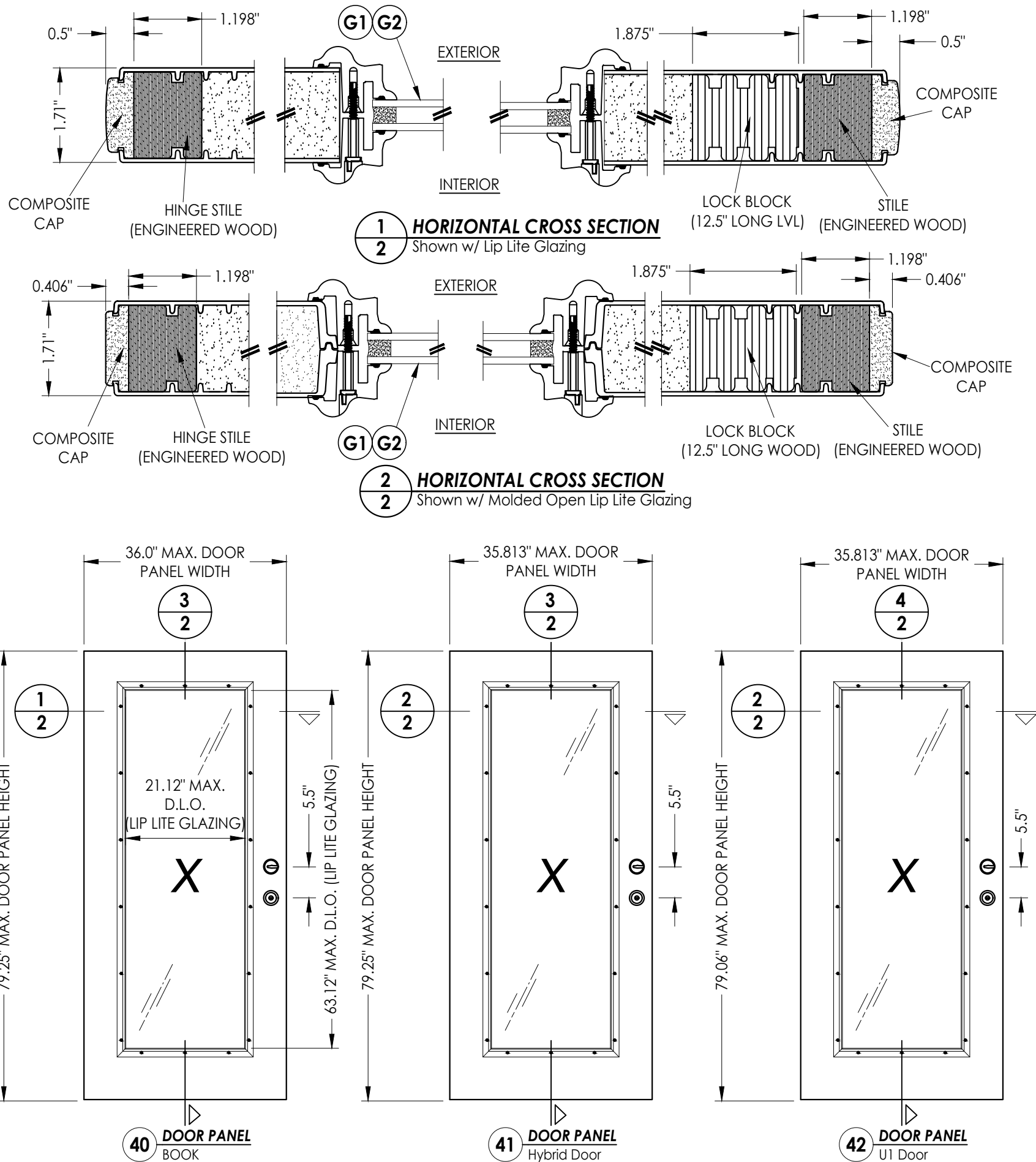
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SHEET 1 OF 13

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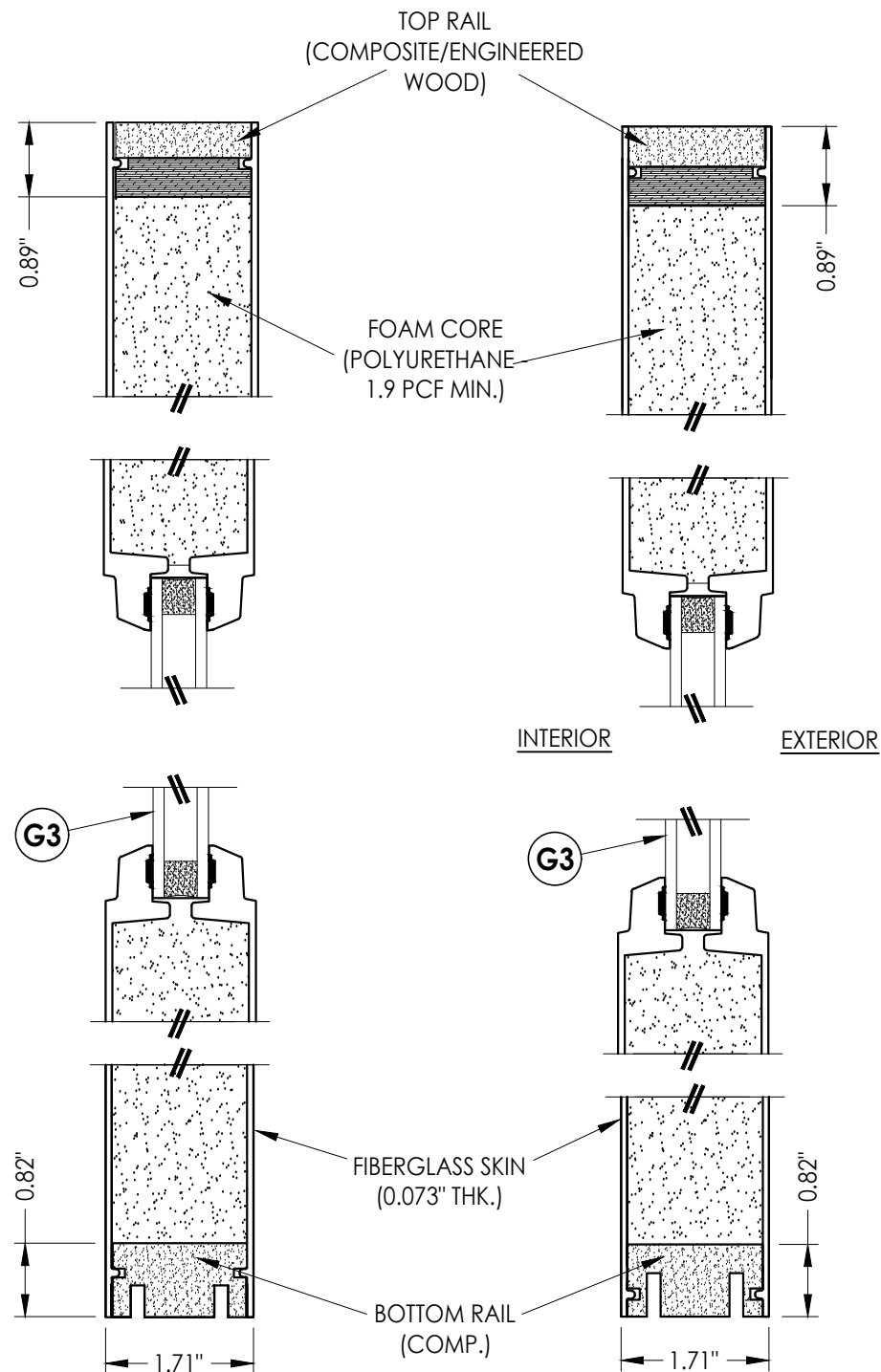
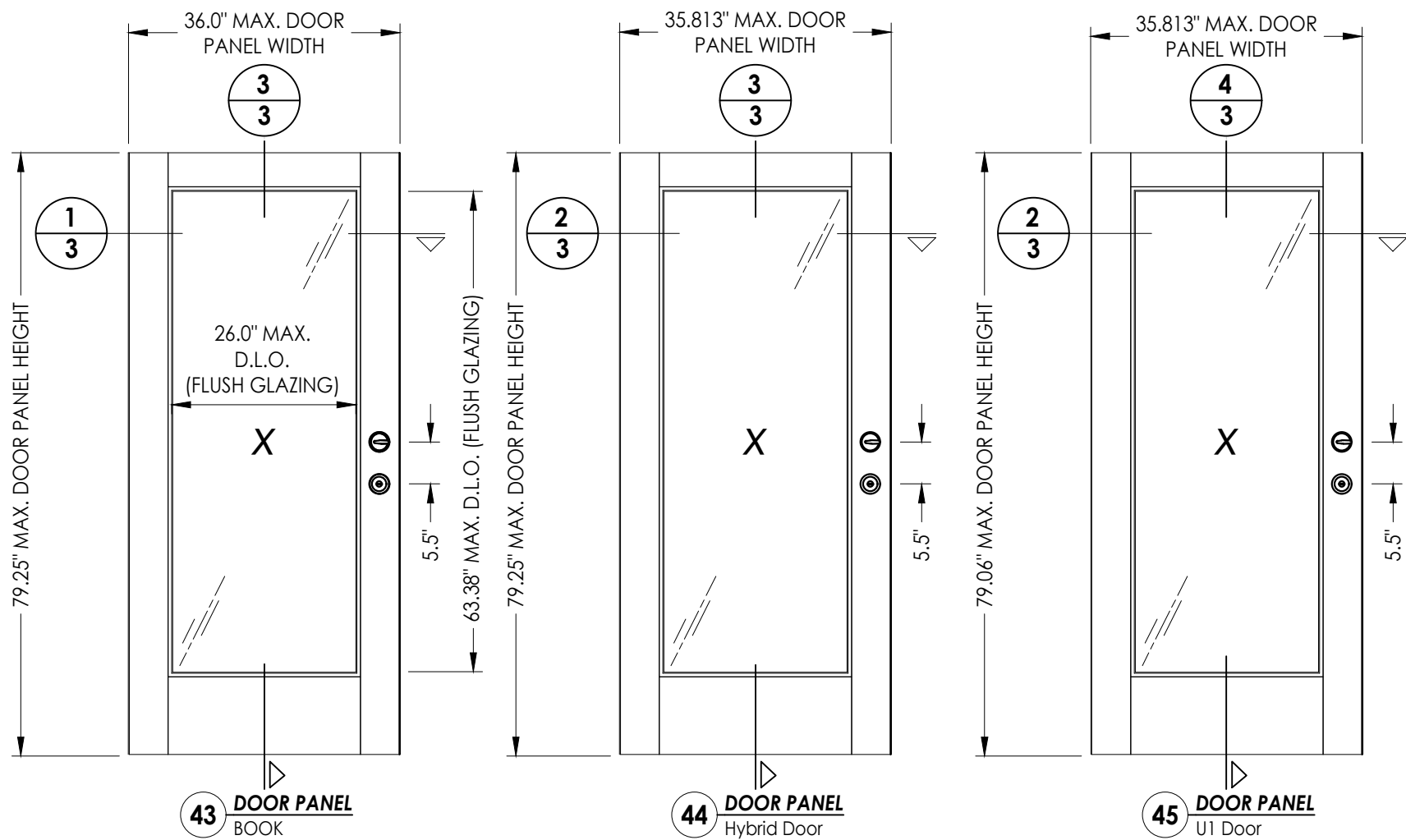
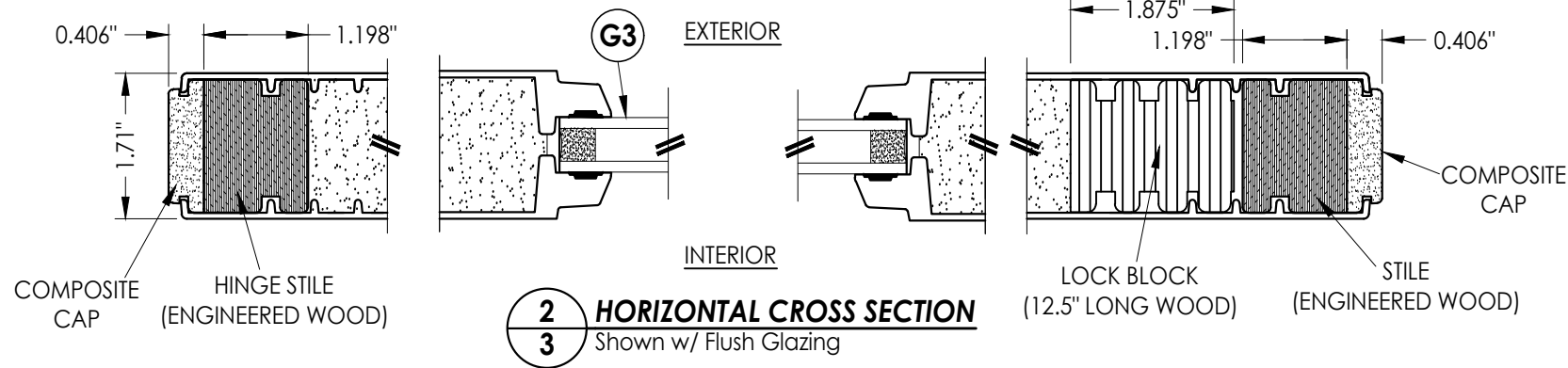
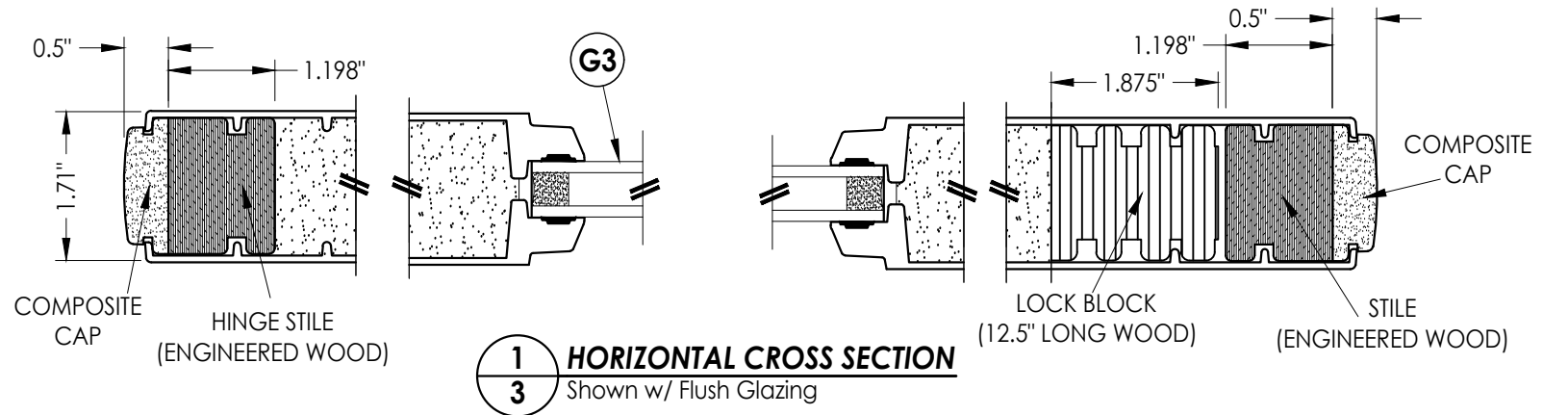
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FBPE Registry No. 9813

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC
4	7/21/20	UPDATE TO 7th ED (2020)	FBC
3	10/09/18	REV. DOOR PANEL OPTION	MT
2	7/7/17	UPDATE TO 6th ED (2017)	FBC
1	3/22/17	REVISE FLUSH GLAZING	LFS
NO.	DATE	REVISIONS	
DATE: 6/1/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-20461.9		SHEET 2 OF 13	

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
5	7/19/23	UPDATE TO 8TH ED. (2023) FBC
4	7/21/20	UPDATE TO 7TH ED (2020) FBC
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1	3/22/17	REVISE FLUSH GLAZING
NO.	DATE	BY

DATE: 6/1/16

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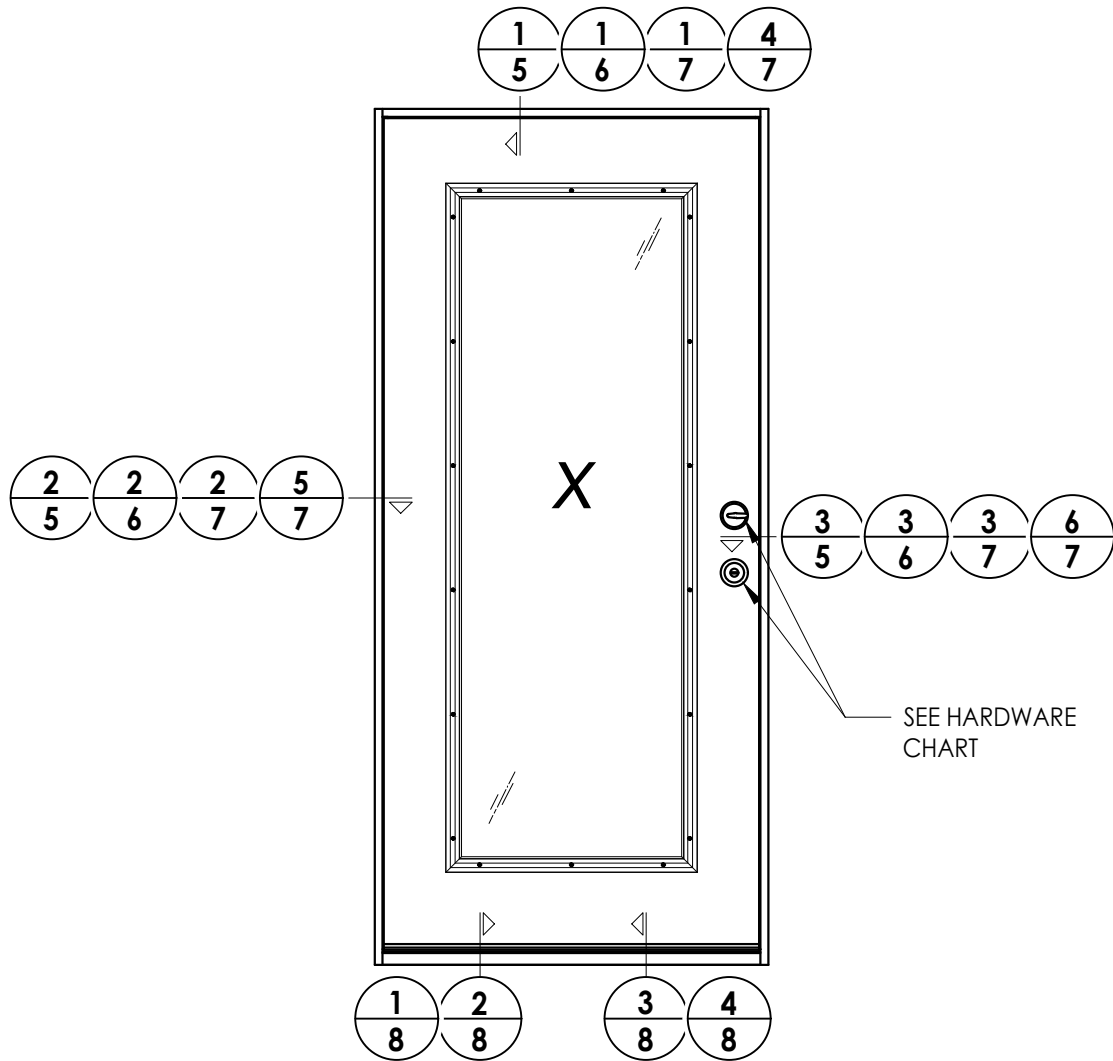
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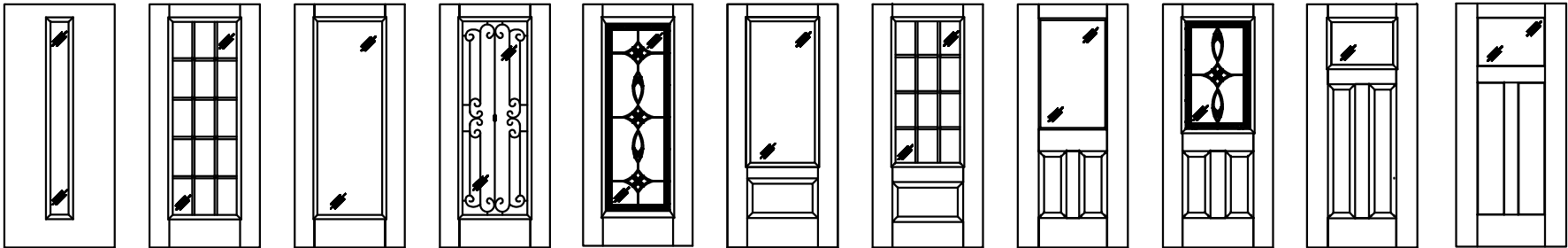
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SHEET 3 OF 13

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HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
HOPPE	MULTIPOINT : HLS 9000 SERIES (3 pt. Manual Tongue)	



Fiber-Classic/Smooth-Star Door Panel Options

Products approved include all embossed panel doors and 2 panel recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	7/21/20	UPDATE TO 7th ED (2020)	FBC	LFS
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1	3/22/17	REVISE FLUSH GLAZING		LFS
NO	DATE			BY

DATE: 6/1/16

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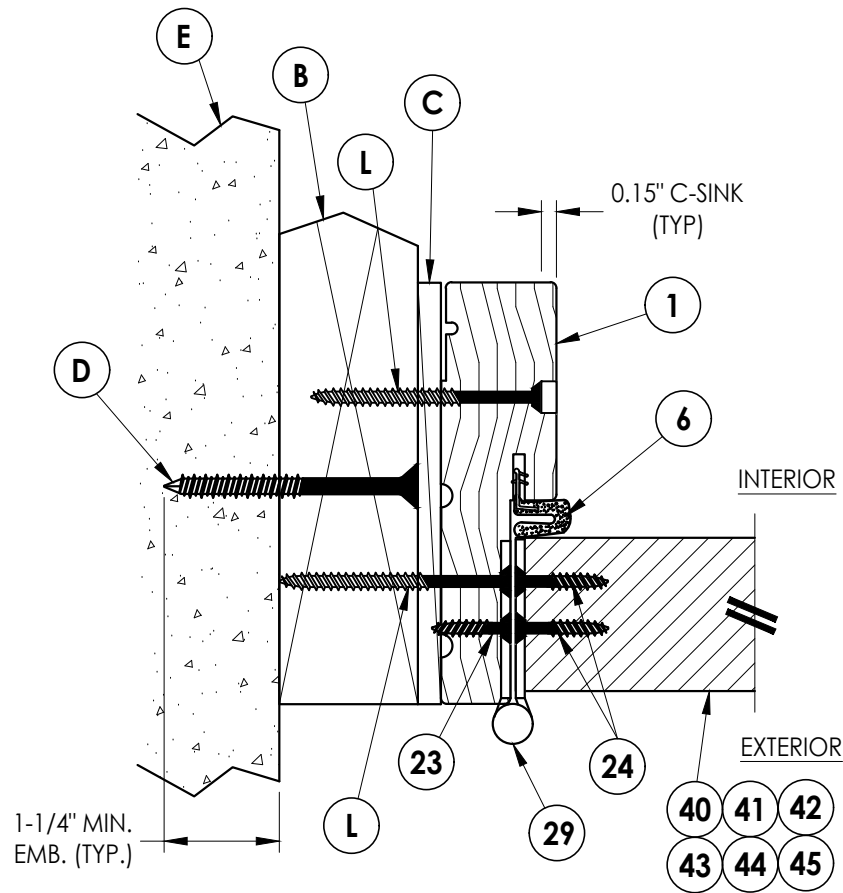
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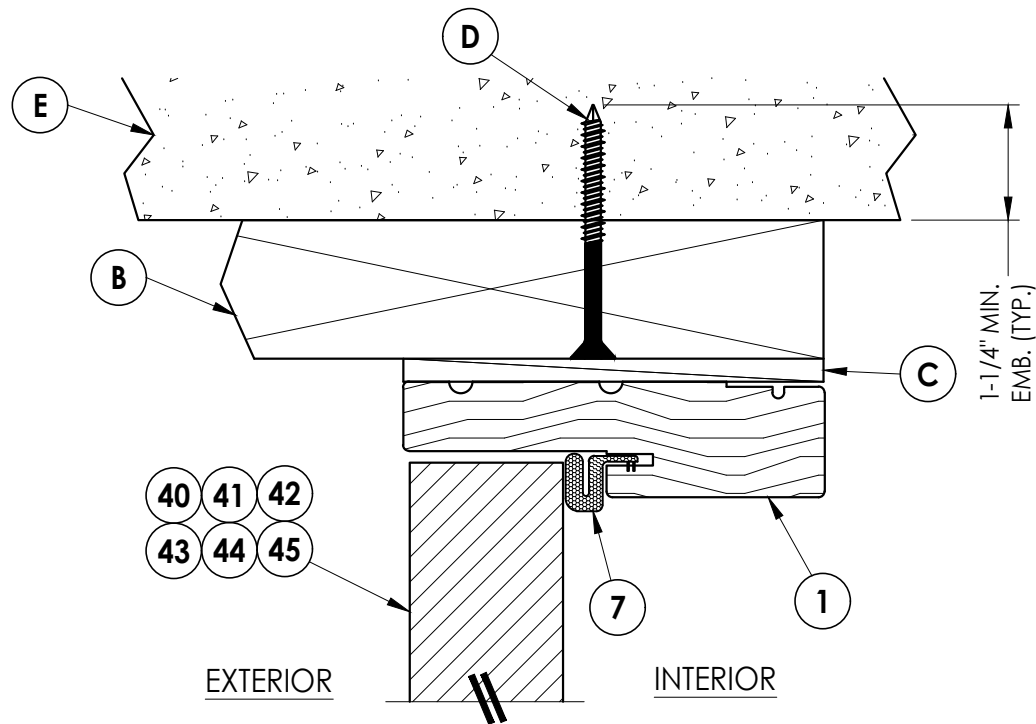
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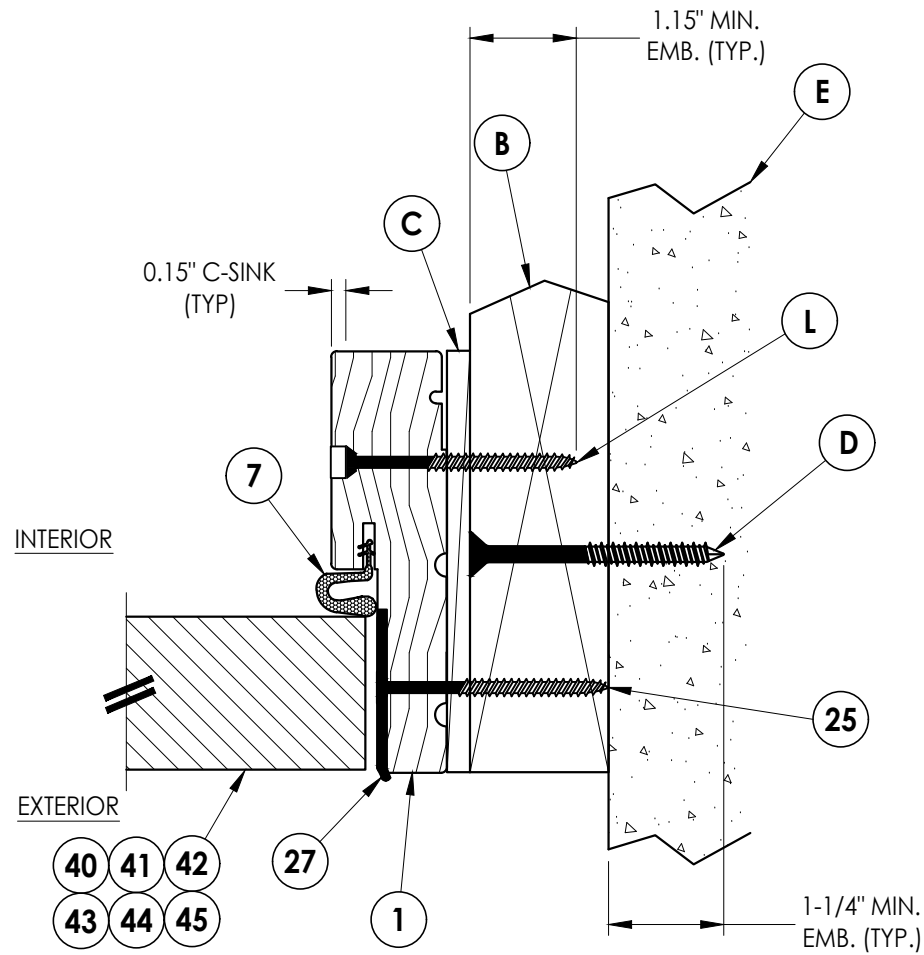
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2 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



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

DATE		REVISIONS	
5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC
4	7/21/20	UPDATE TO 7th ED (2020)	FBC
3	10/09/18	REV. DOOR PANEL OPTION	NOTE
2	7/7/17	UPDATE TO 6th ED (2017)	FBC
1	3/22/17	REVISE FLUSH GLAZING	
NO.	DATE		BY

DATE: 6/1/16

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SHEET 5 OF 13

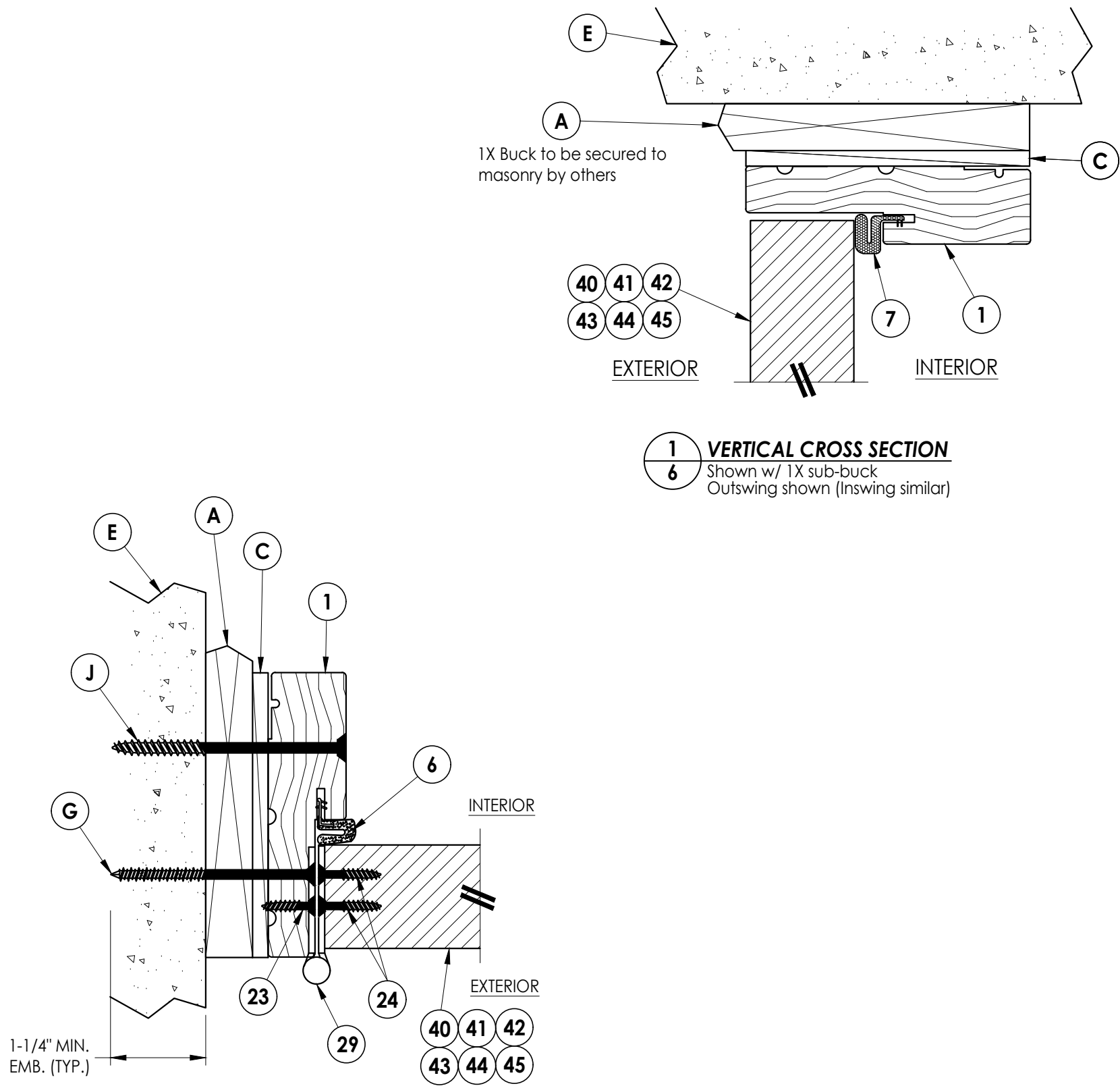
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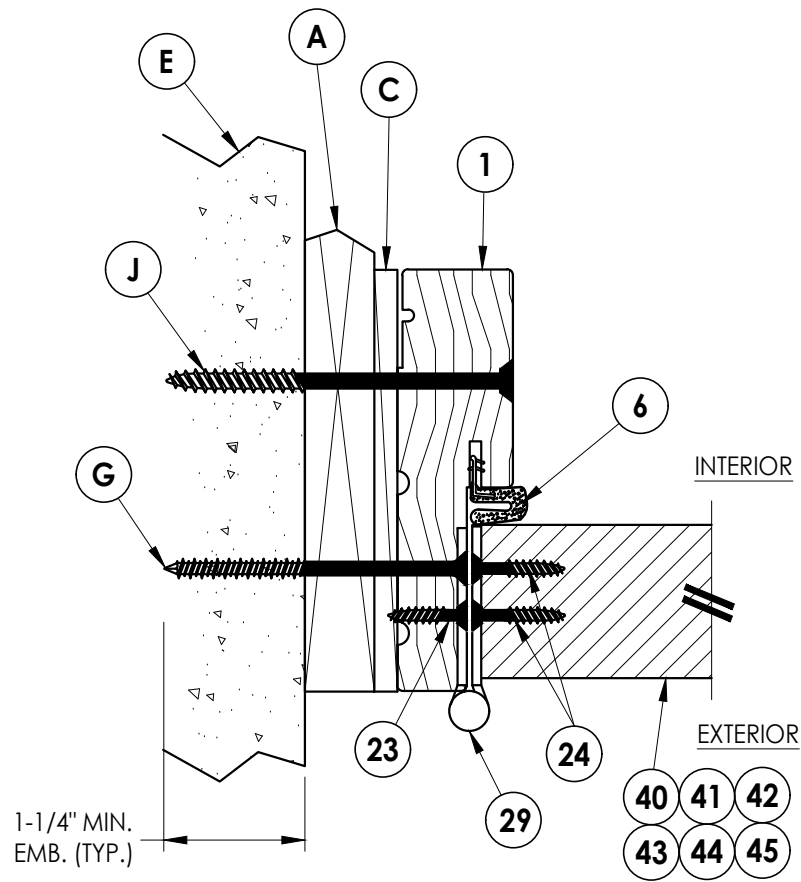
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

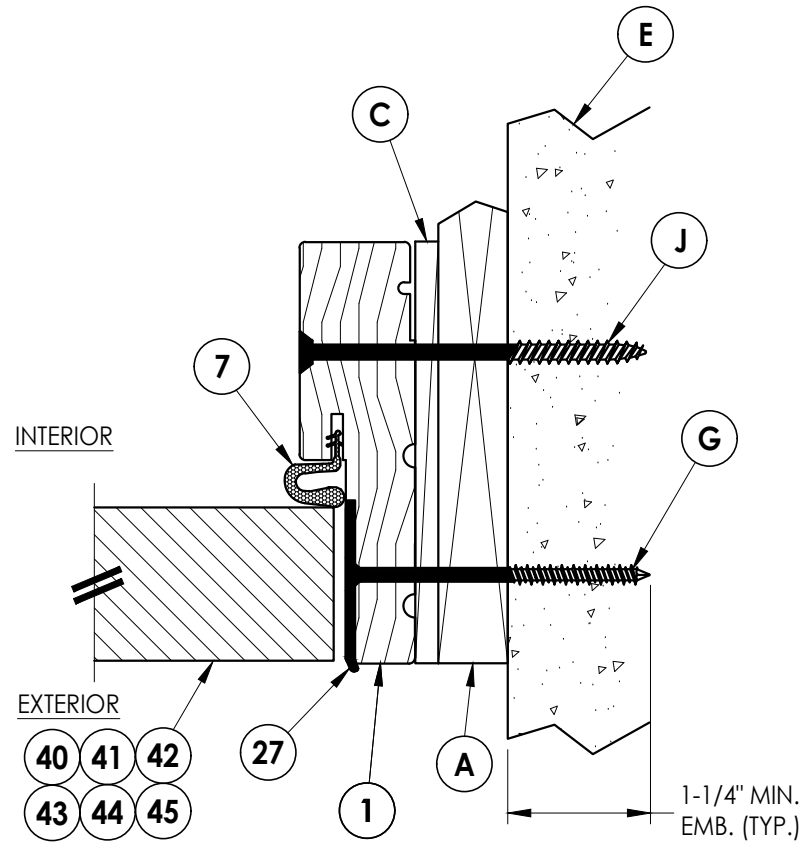
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1 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS
5	7/19/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/21/20	UPDATE TO 7th ED (2020) FBC LFS
3	10/09/18	REV. DOOR PANEL OPTION NOTE MT
2	7/7/17	UPDATE TO 6th ED (2017) FBC JK
1	3/22/17	REVISE FLUSH GLAZING LFS
NO.	DATE	BY

DATE: 6/1/16

SCALE: N.T.S.

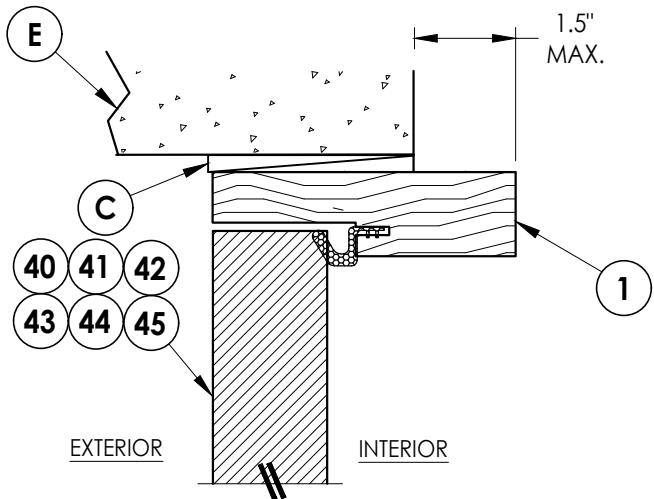
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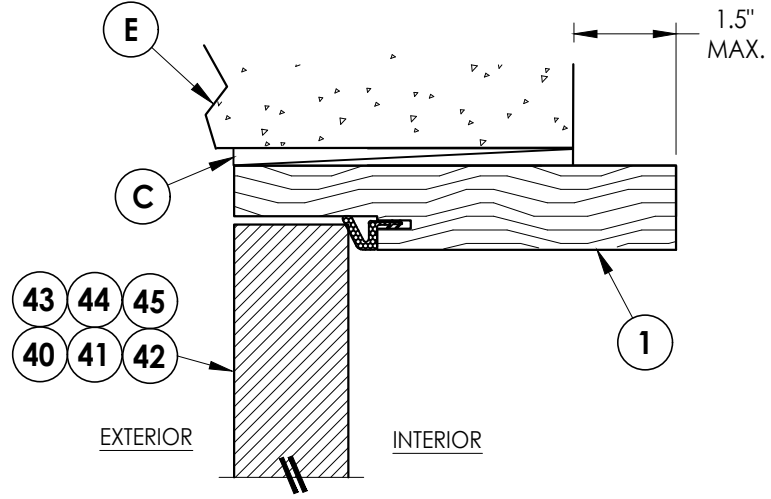
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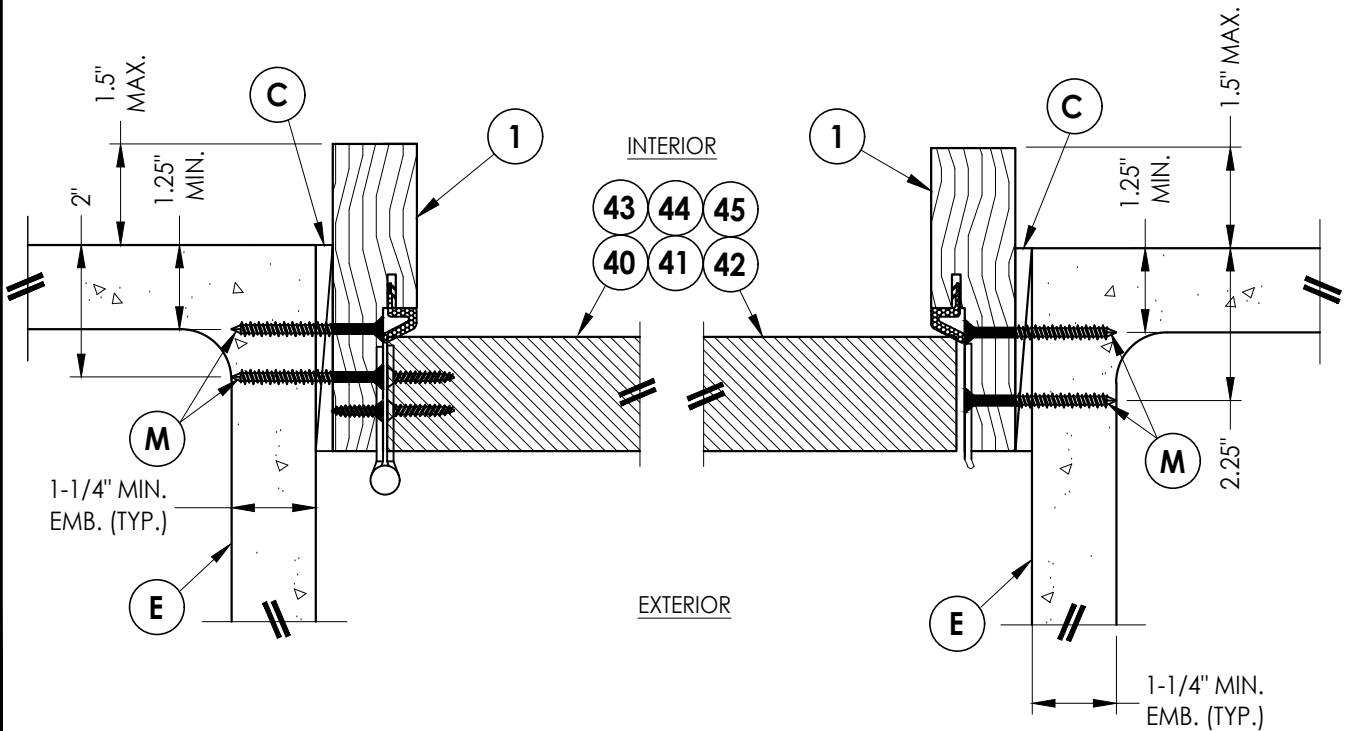


1 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



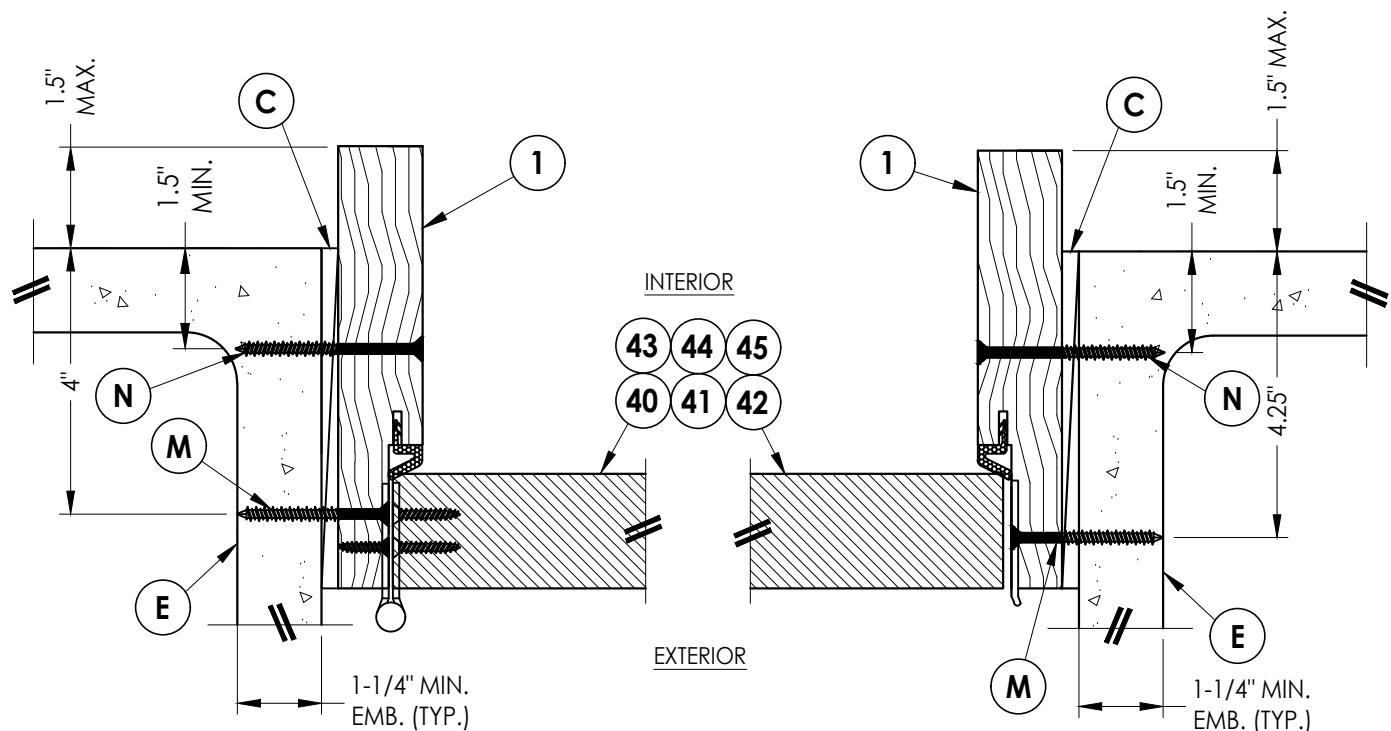
4 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

DIRECT TO MASONRY MAX. DESIGN PRESSURE:
w/ STANDARD STRIKE = ± 55 PSF
w/ SECURITY STRIKE = ± 60 PSF



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

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



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

6 **HORIZONTAL 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)

NO.	DATE	REVISIONS
5	7/19/23	UPDATE TO 8TH ED. (2023) FBC
4	7/21/20	UPDATE TO 7th ED (2020) FBC
3	10/09/18	REV. DOOR PANEL OPTION NOTE
2	7/7/17	UPDATE TO 6th ED (2017) FBC
1	3/22/17	REVISE FLUSH GLAZING

DATE: 6/1/16

SCALE: N.T.S.

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CHK. BY: LFS

DRAWING NO.: FL-20461.9

SHEET 7 OF 13

1. Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 46, 47, 48, 49, 50 & 51 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws or (3) 2.5" staples at each end.
2. Sill Item #'s 17 & 18 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.

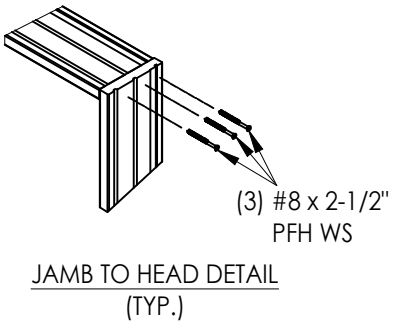
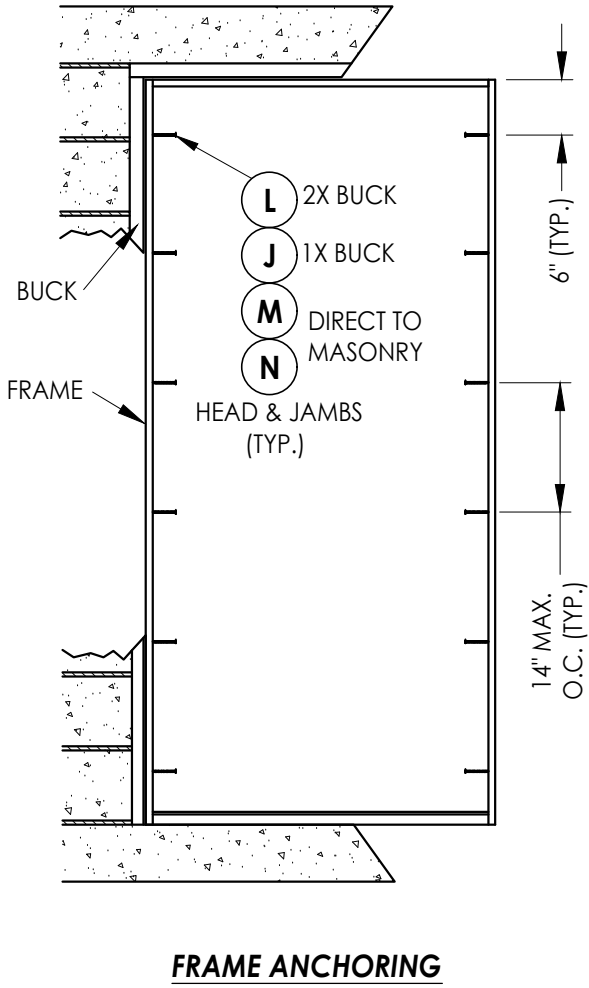
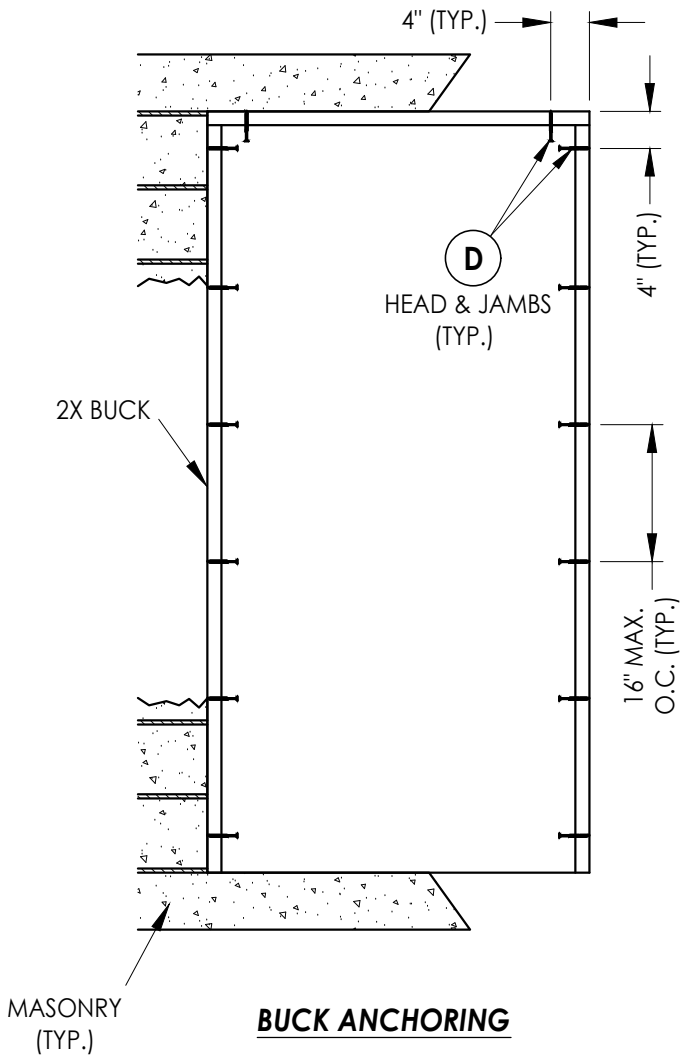


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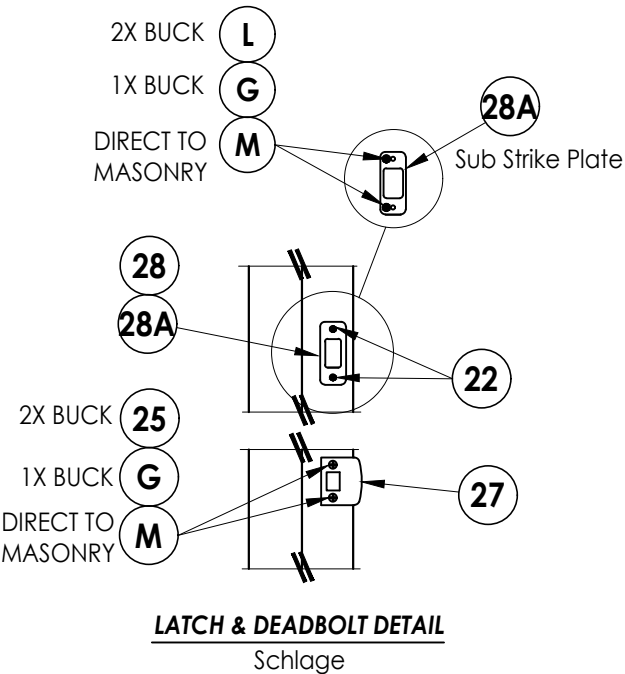
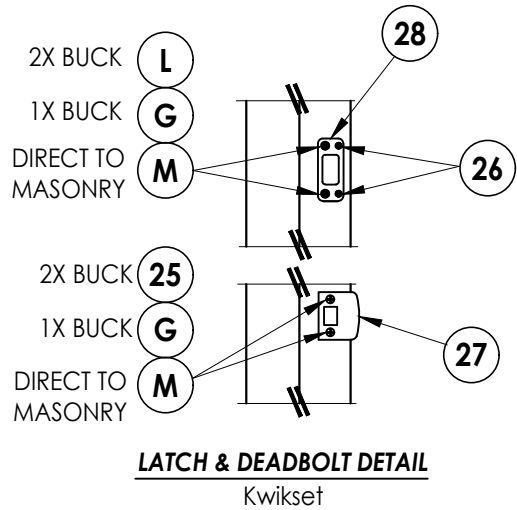
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1	3/22/17	REVISE FLUSH GLAZING		LFS
NO.	DATE			
REVISIONS				

DATE:	6/1/16
SCALE:	N.T.S.
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SHEET	8 OF 13

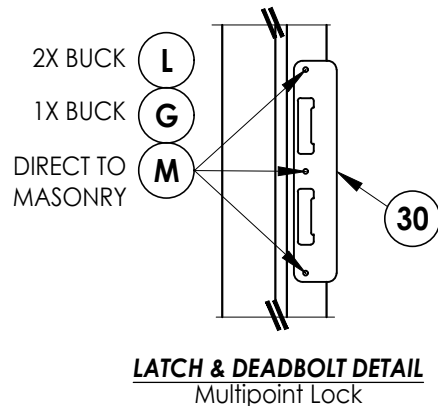
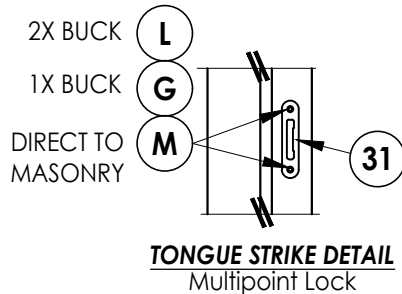
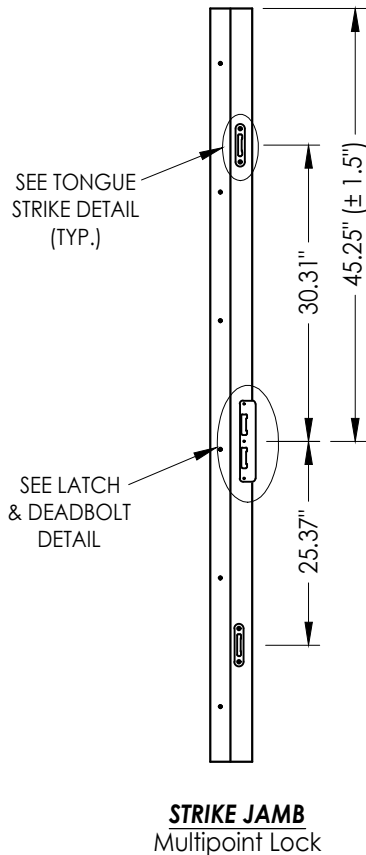
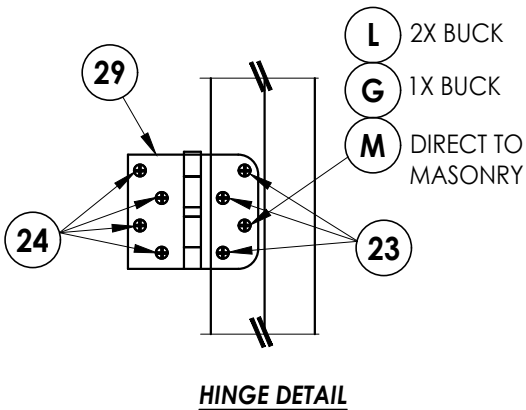
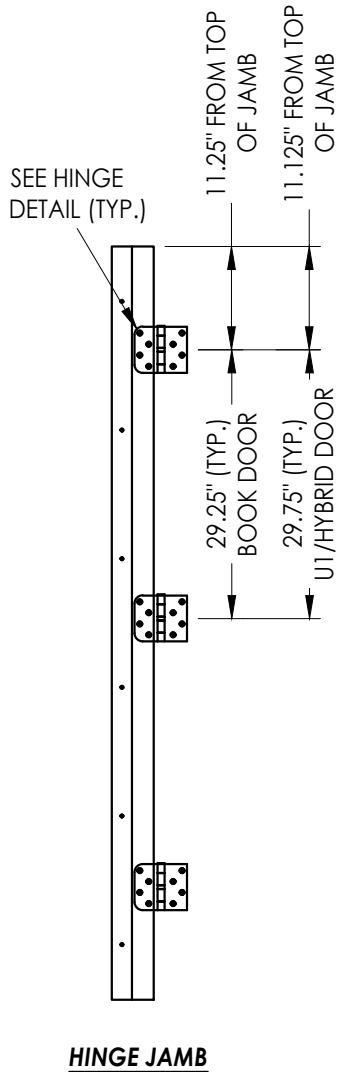
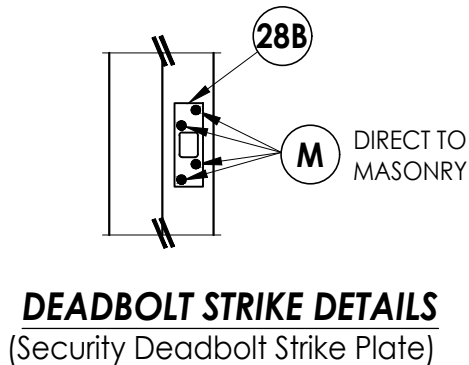
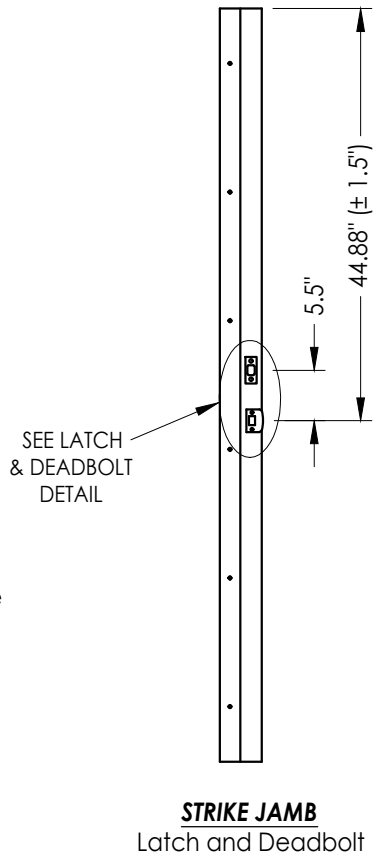


DATE: 6/1/16		PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: BUCK AND FRAME ANCHORING		R^gW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-20461.9					
SHEET 9 OF 13					
5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	REVISIONS
4	7/21/20	UPDATE TO 7th ED (2020)	FBC	LFS	
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NO.	DATE			BY	

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LATCH & DEADBOLT STRIKE DETAILS
(Standard Deadbolt Strike Plate)



MULTIPOINT LOCK STRIKE DETAILS

REVISIONS		DATE		NO.		BY	
5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
4	7/21/20	UPDATE TO 7th ED (2020)	FBC	LFS			
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	NO.	DATE					

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

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SHEET 10 OF 13

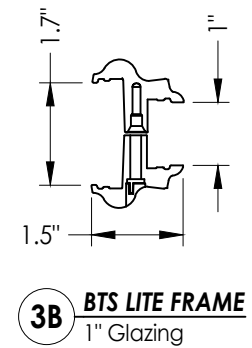
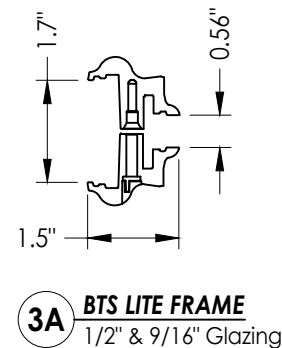
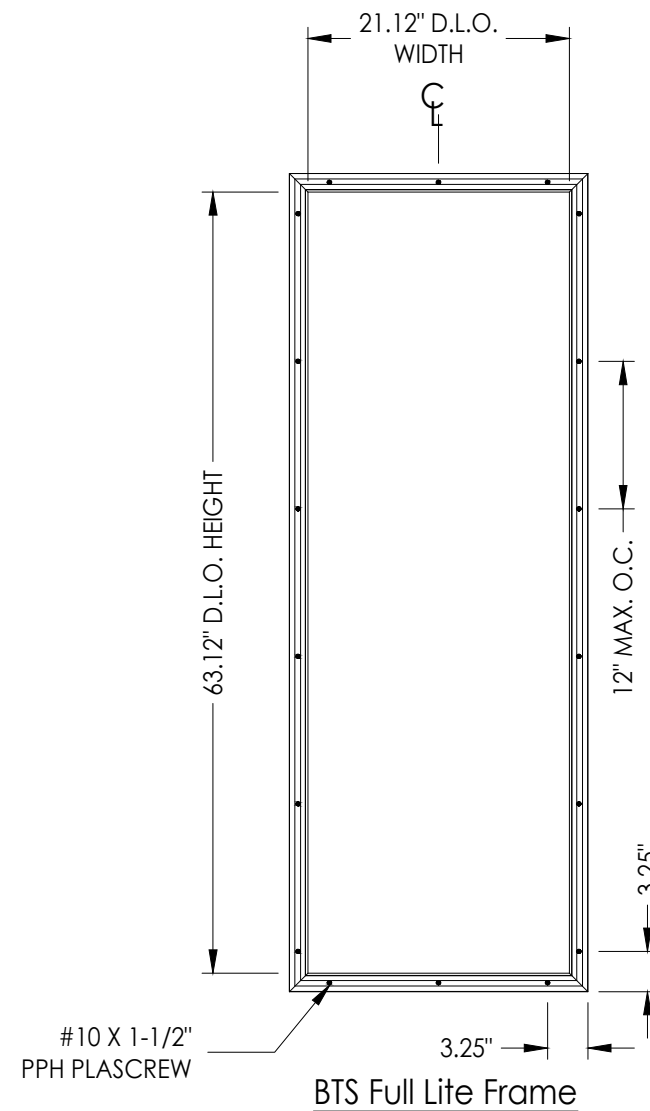
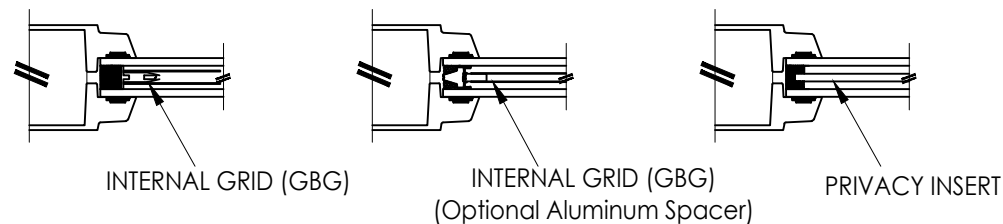
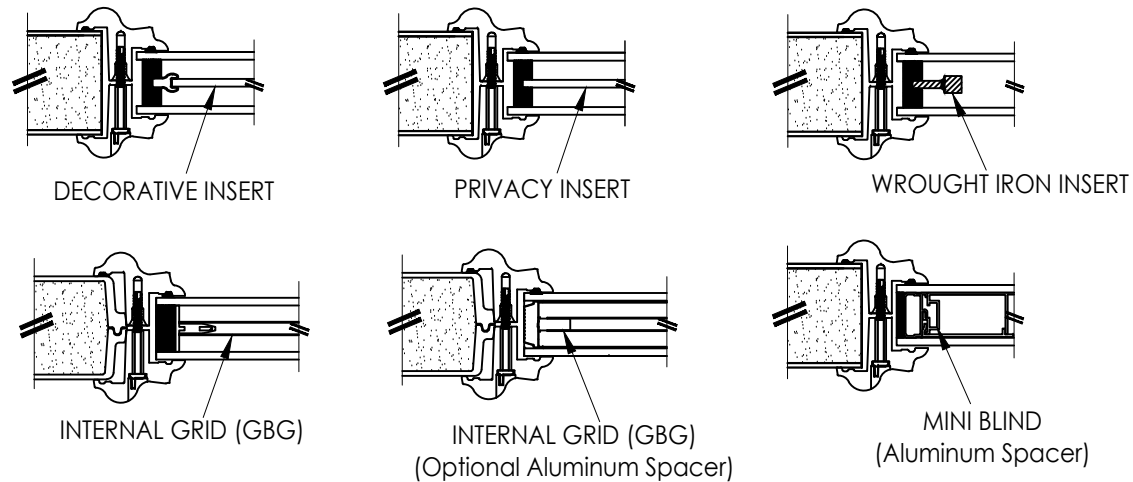
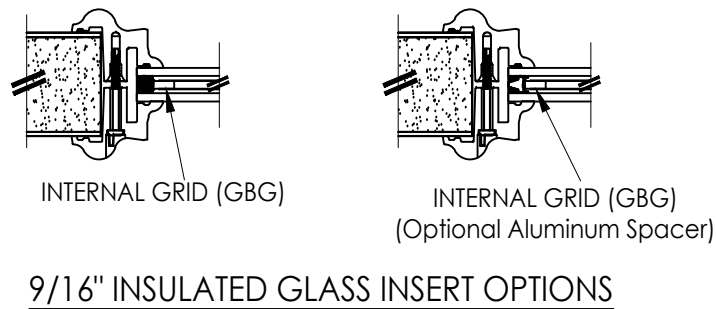
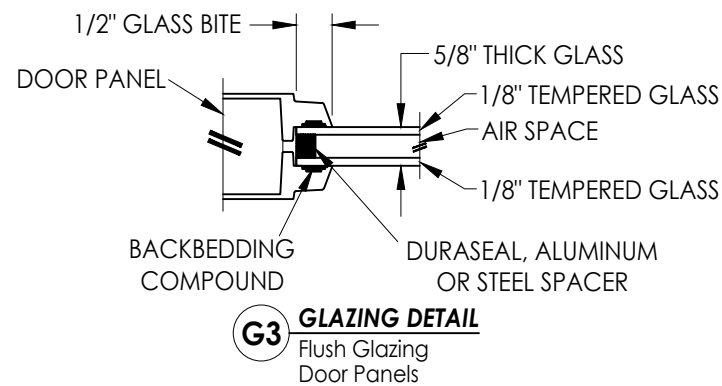
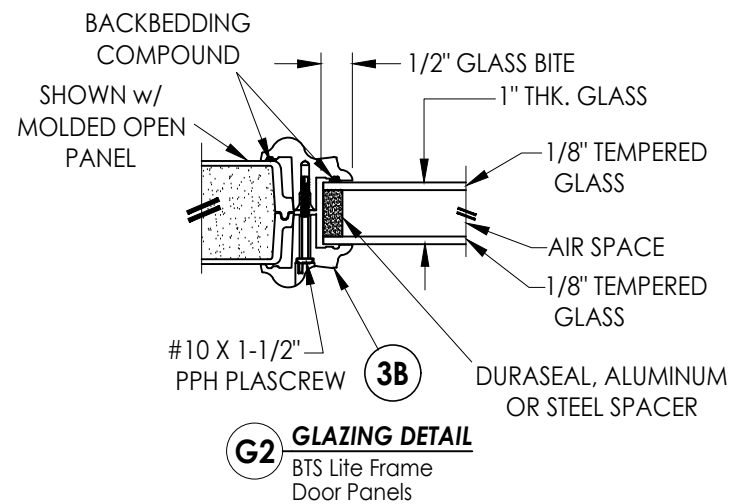
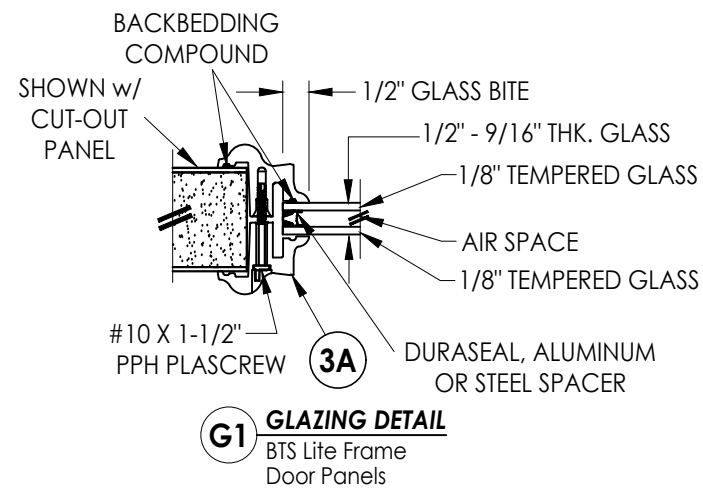
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HARDWARE DETAILS

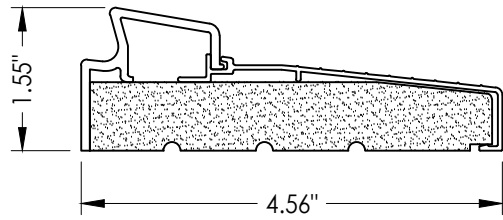
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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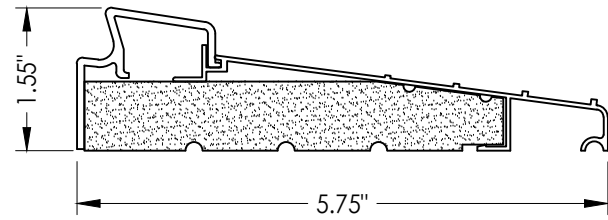


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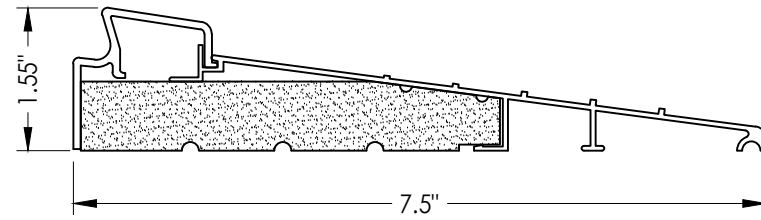
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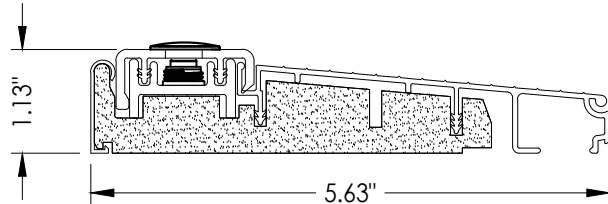
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



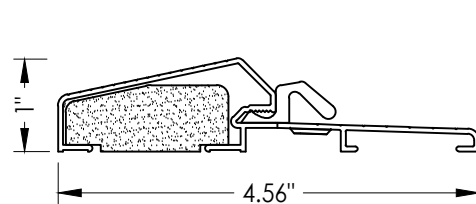
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



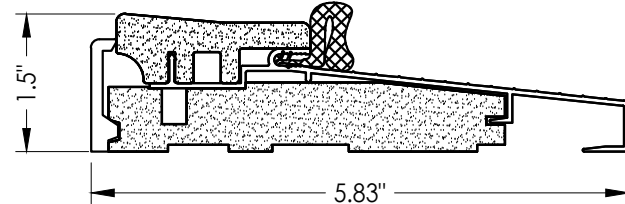
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



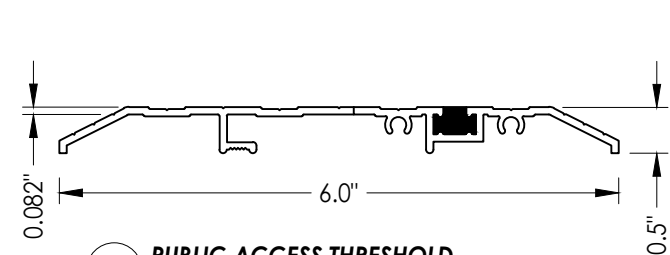
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



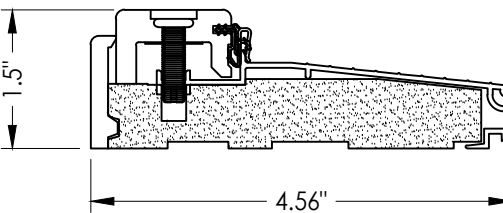
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



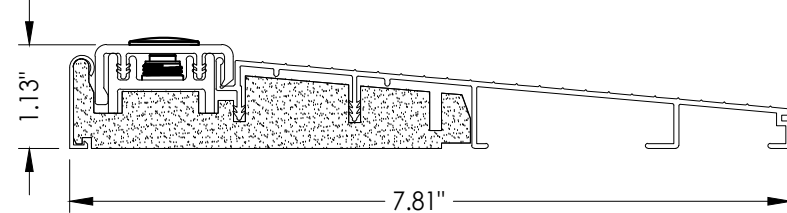
16 OUTSWING THRESHOLD
Composite / Aluminum Sill



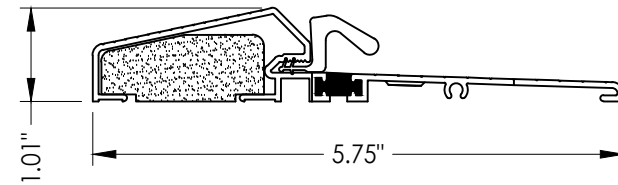
15 PUBLIC ACCESS THRESHOLD



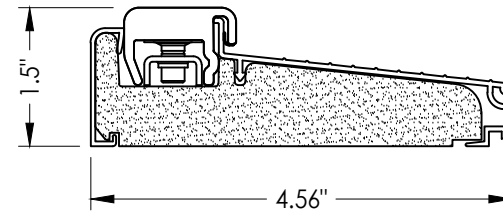
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



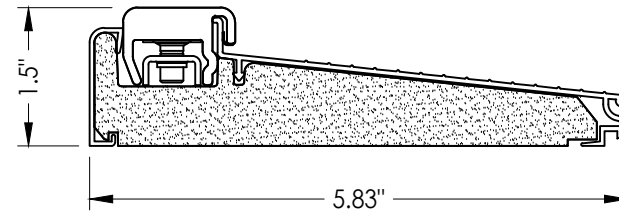
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



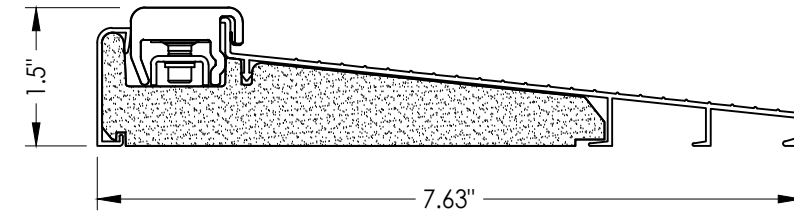
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



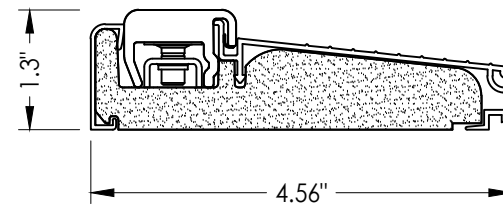
46 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



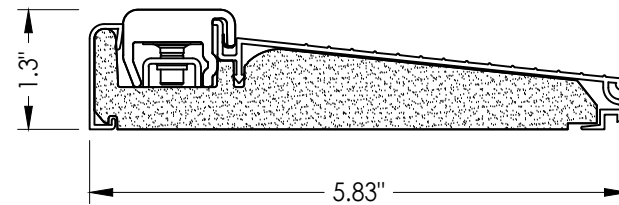
47 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



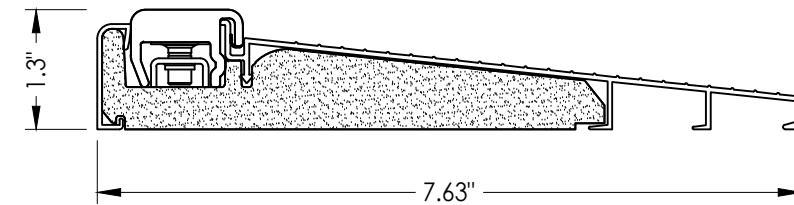
48 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



49 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



50 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



51 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	7/21/20	UPDATE TO 7th ED (2020)	FBC	LFS	
3	10/09/18	REV. DOOR PANEL OPTION NOTE	MT	JK	
2	7/7/17	UPDATE TO 6th ED (2017)	FBC	JK	
1	3/22/17	REVISE FLUSH GLAZING	LFS		

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20461.9

SHEET 12 OF 13

