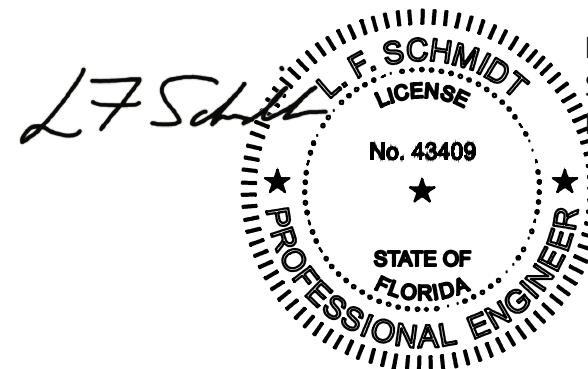


GENERAL NOTES

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. Benchmark Door panels require the use of "J" part numbers and must be stained or painted within six months of installation.

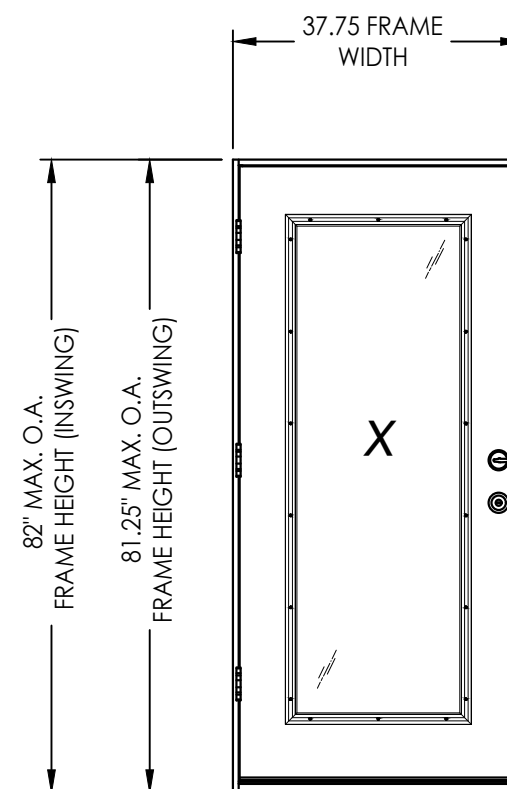
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Door Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)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



Digitally signed by Lyndon F
Schmidt
Date: 2026.08.06 16:06:24 -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

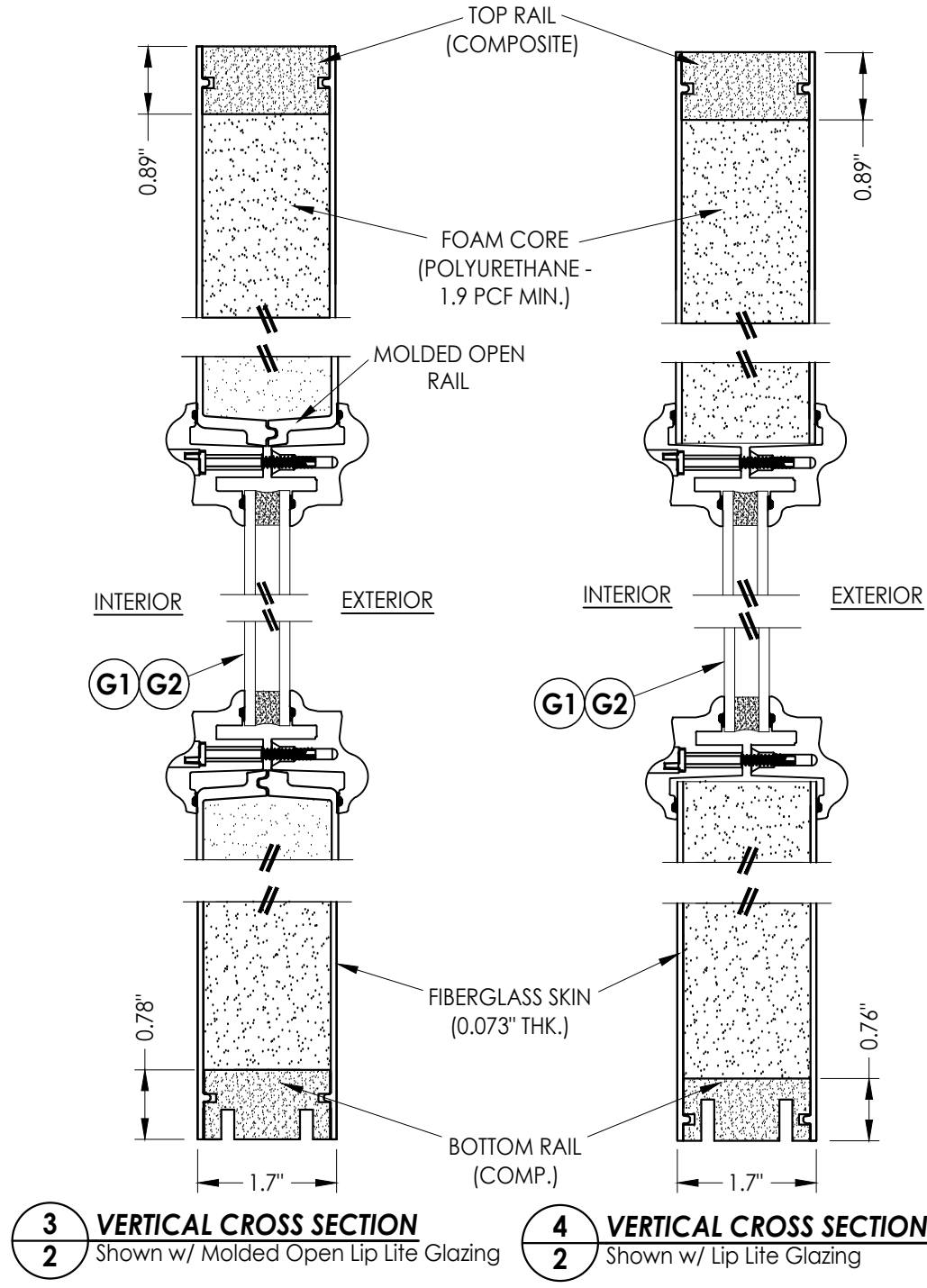
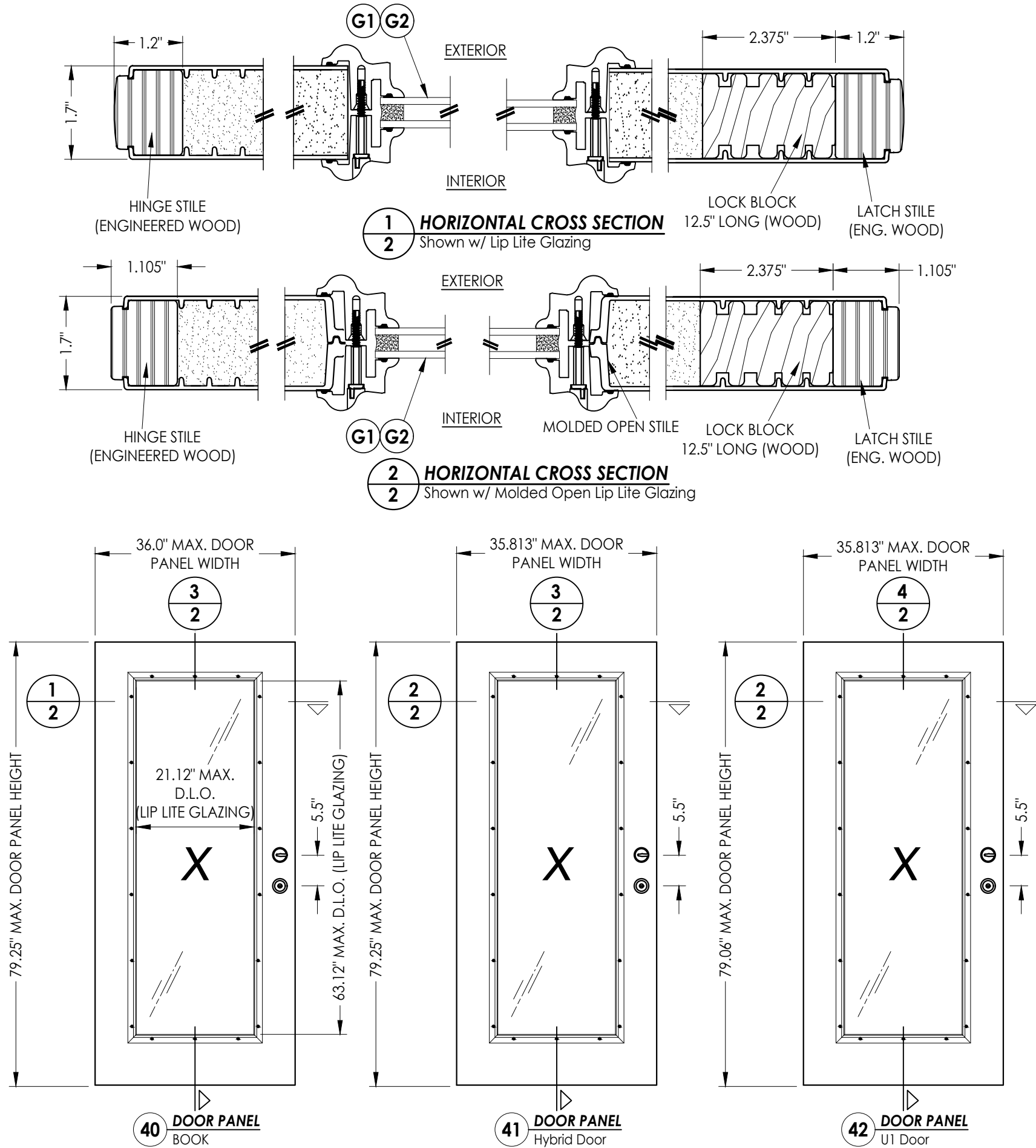


CONFIGURATION	LITE INSERT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Lip Lite	+47.0	-47.0	+47.0	-47.0
X	Flush Glazed	+47.0	-47.0	+47.0	-47.0
X	3/4 Flush Glazed	+47.0	-47.0	+47.0	-47.0

See Sheet 4 for Hardware Specifications

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: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
5	7/2/26	UPDATE TO 9TH ED. (2026) FBC	LFS
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
1	12/03/17	RECESSED PANEL NOTATION	JK
NO.	DATE		BY
REVISIONS			
DATE: 07/07/17			
SCALE: N.T.S.			
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.: FL-21135.5			
SHEET		1	OF 13

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

	5	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
	4	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
	3	7/16/20	UPDATE TO 7TH ED (2020)	FBC	PO
	2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT	JK
	1	12/03/17	RECESSED PANEL NOTATION	BY	BY
	NO.	DATE			

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

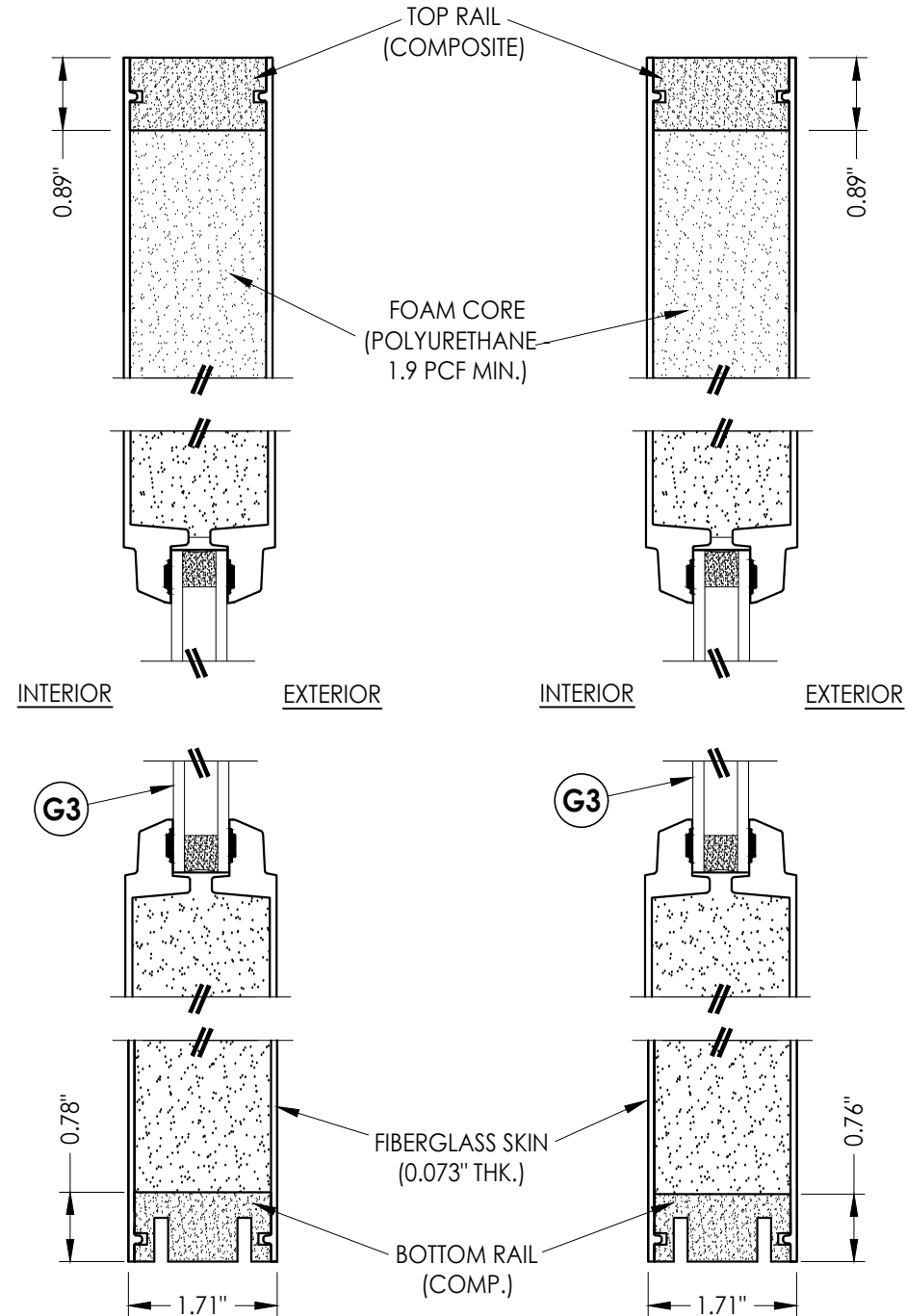
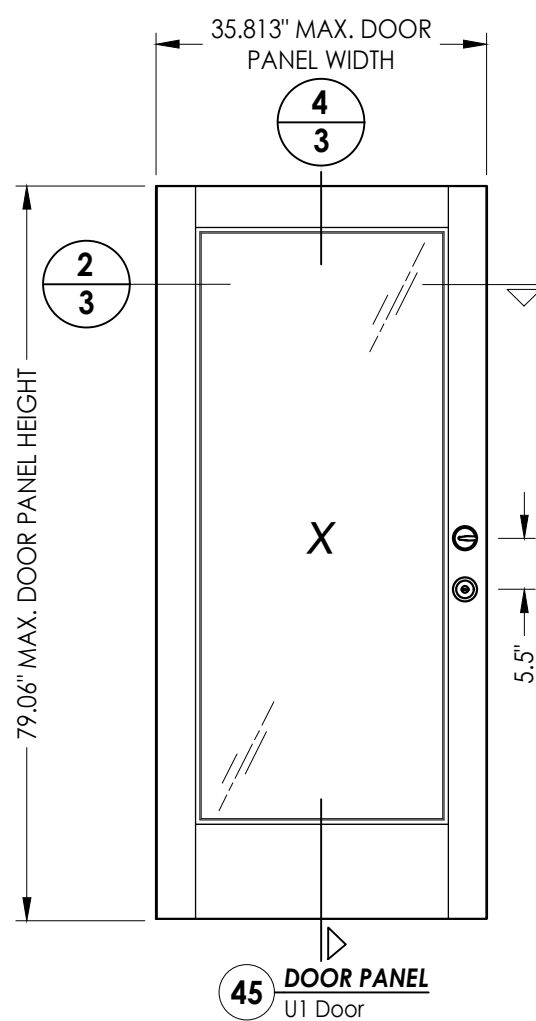
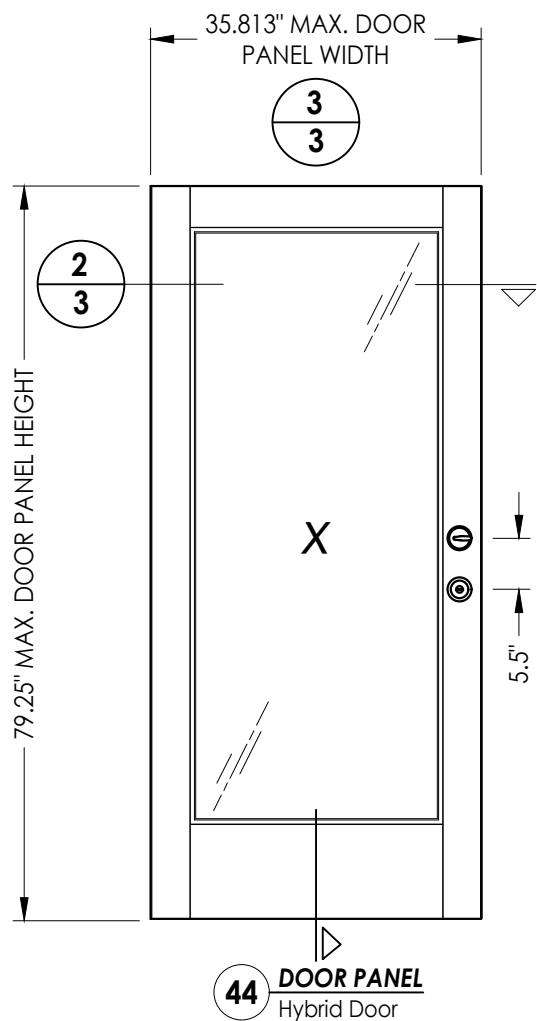
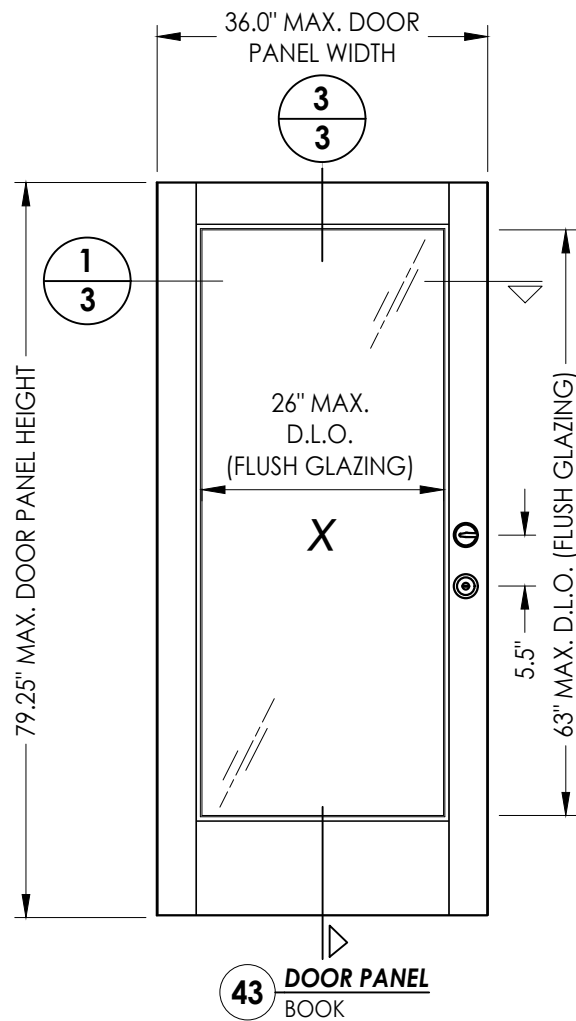
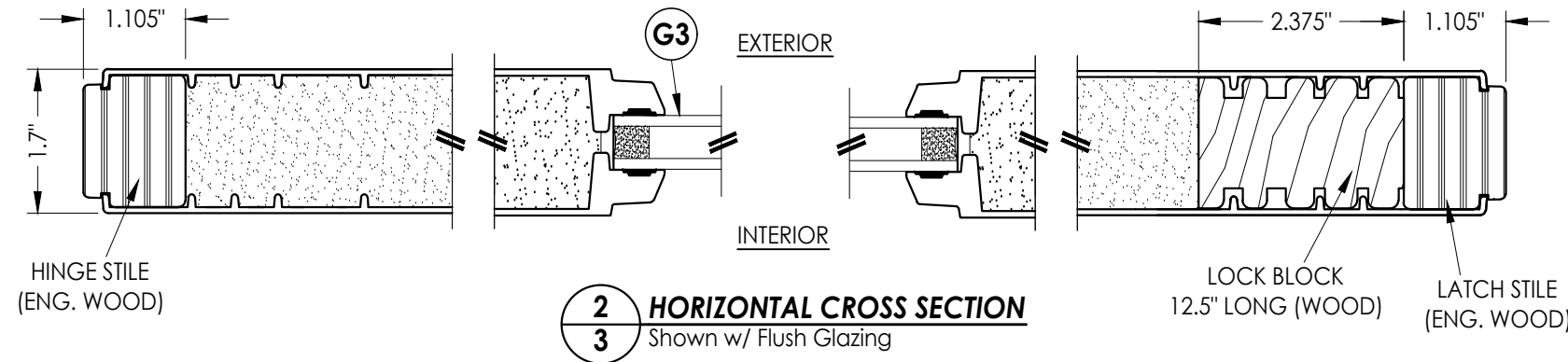
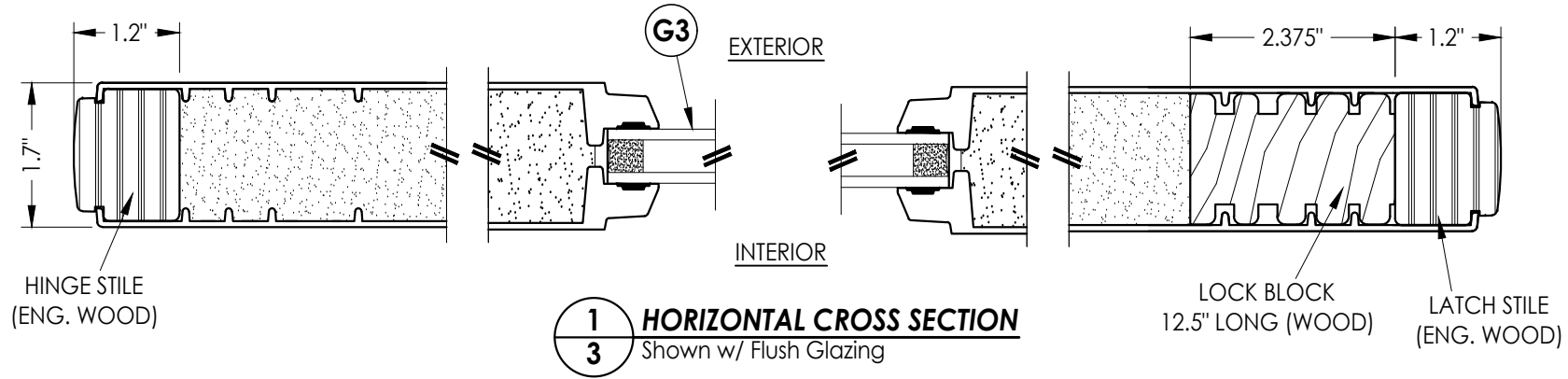
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DRAWING NO.: FL-21135.5

SHEET 2 OF 13

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FBPE Registry No. 9813

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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:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
5	7/2/26	UPDATE TO 9TH ED. (2026) FBC
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC
3	7/16/20	UPDATE TO 7TH ED. (2020) FBC
2	10/08/18	REV. DOOR PANEL OPTION NOTE
1	12/03/17	RECEIVED PANEL NOTATION

DATE: 07/07/17

SCALE: N.T.S.

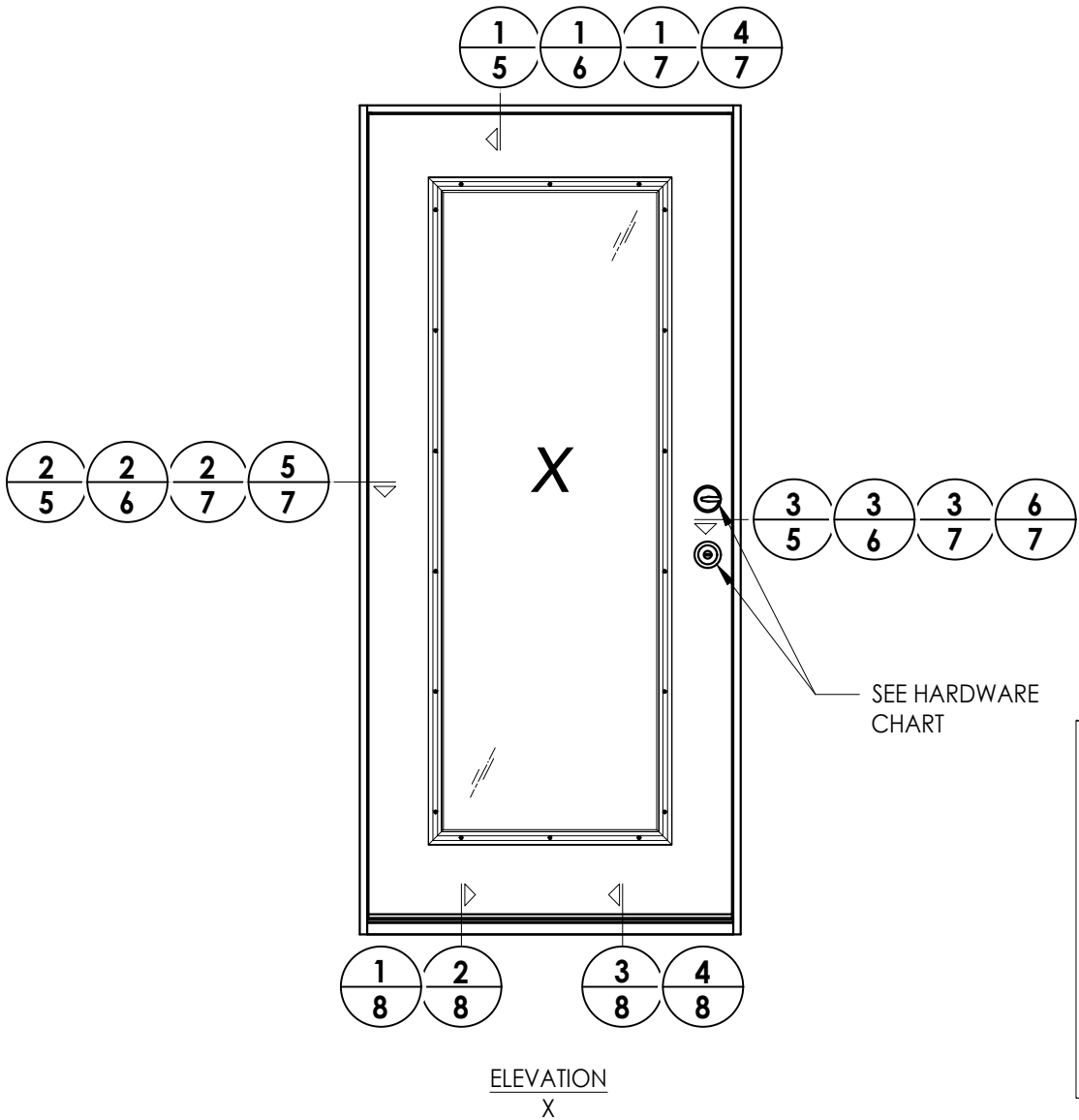
DWG. BY: JK

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DRAWING NO.: FL-21135.5

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)

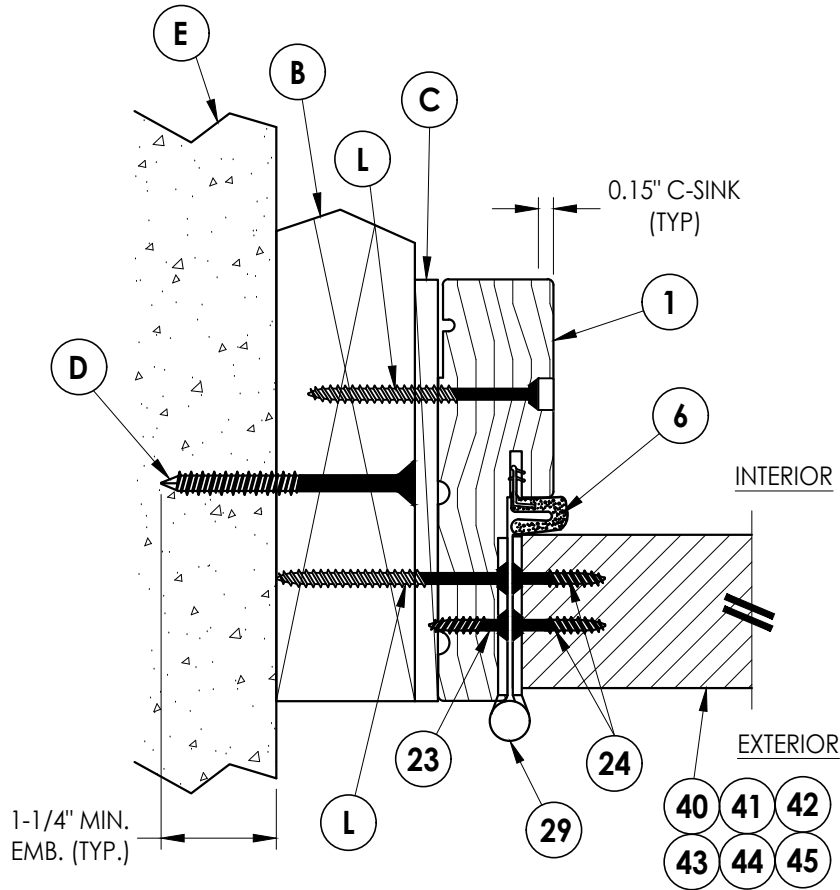


Benchmark Door Panel Options

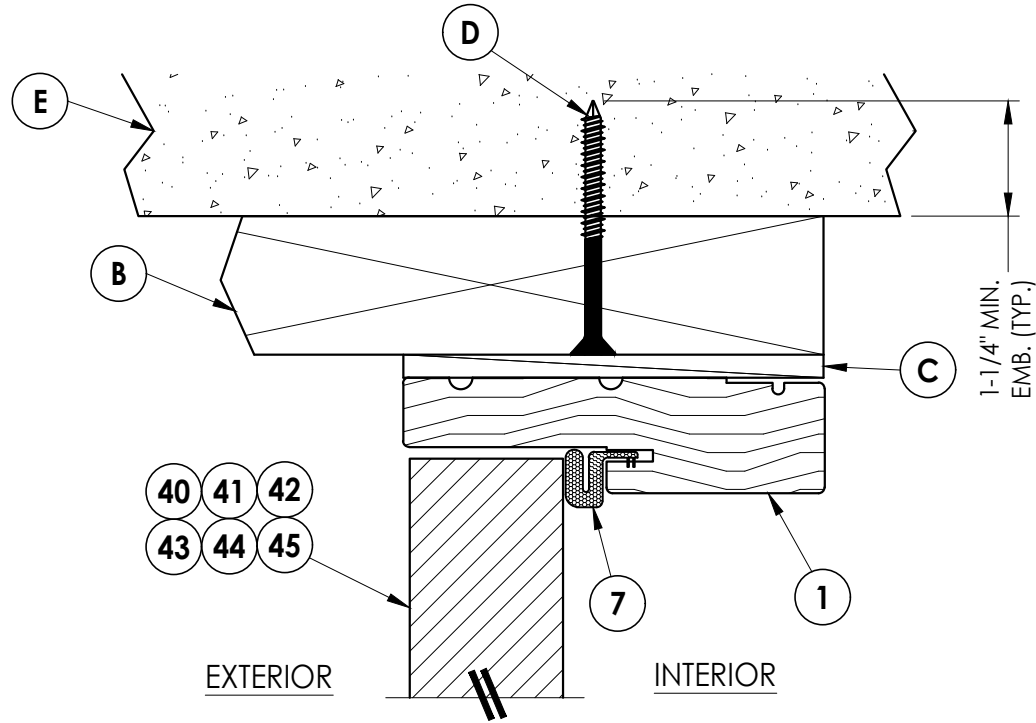
Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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	
5	7/2/26	UPDATE TO 9TH ED. (2026) FBC	LFS
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
1	12/03/17	RECESSED PANEL NOTATION	JK
NO. DATE		REVISIONS	
DATE: 07/07/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21135.5			
SHEET 4 OF 13			

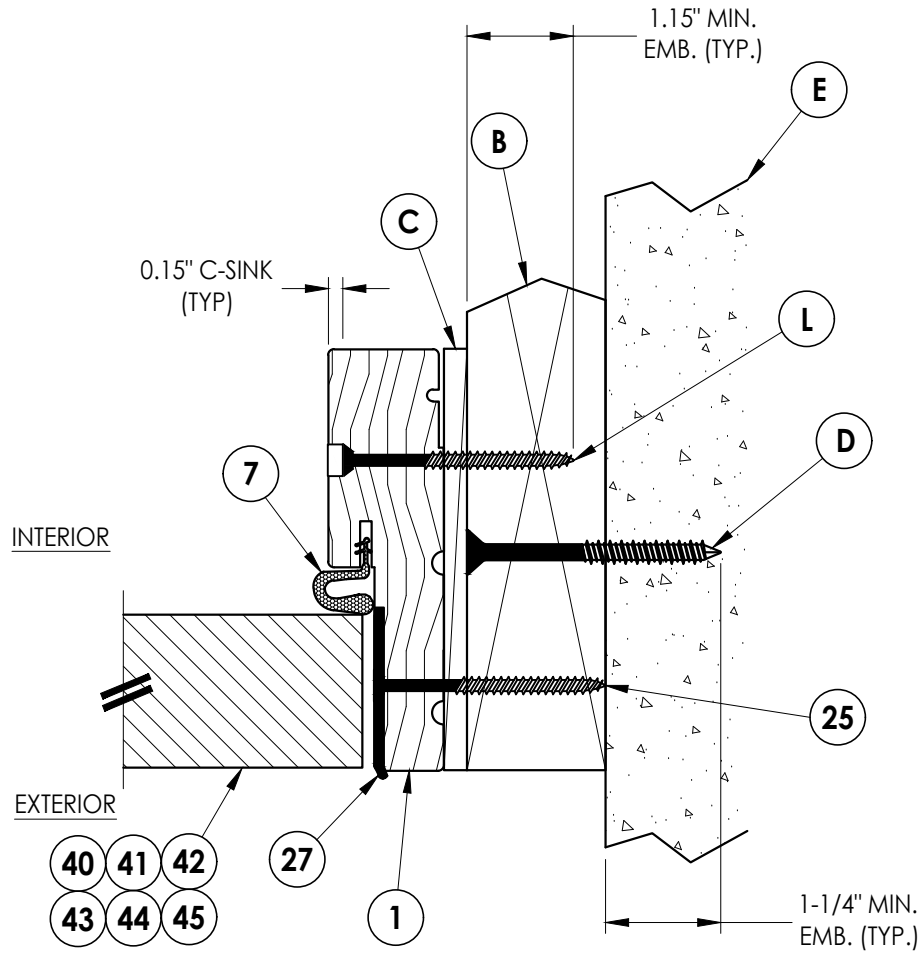
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2 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



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		REV		BY		DATE		REV		BY	
5	7/2/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS	1	12/03/17	RECESSED PANEL NOTATION	JK	1	12/03/17
4	8/21/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS	2	10/08/18	REV. DOOR PANEL OPTION	MT	2	10/08/18
3	7/16/20	UPDATE TO 7th ED	(2020)	FBC	PO	3	7/16/20	UPDATE TO 7th ED	PO	3	7/16/20
2	10/08/18	REV. DOOR PANEL OPTION	NOTE	MT	2	10/08/18	REV. DOOR PANEL OPTION	NOTE	MT	2	10/08/18
1	12/03/17	RECESSED PANEL NOTATION	JK	1	12/03/17	RECESSED PANEL NOTATION	JK	1	12/03/17	RECESSED PANEL NOTATION	JK
REVISIONS											

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21135.5

SHEET 5 OF 13

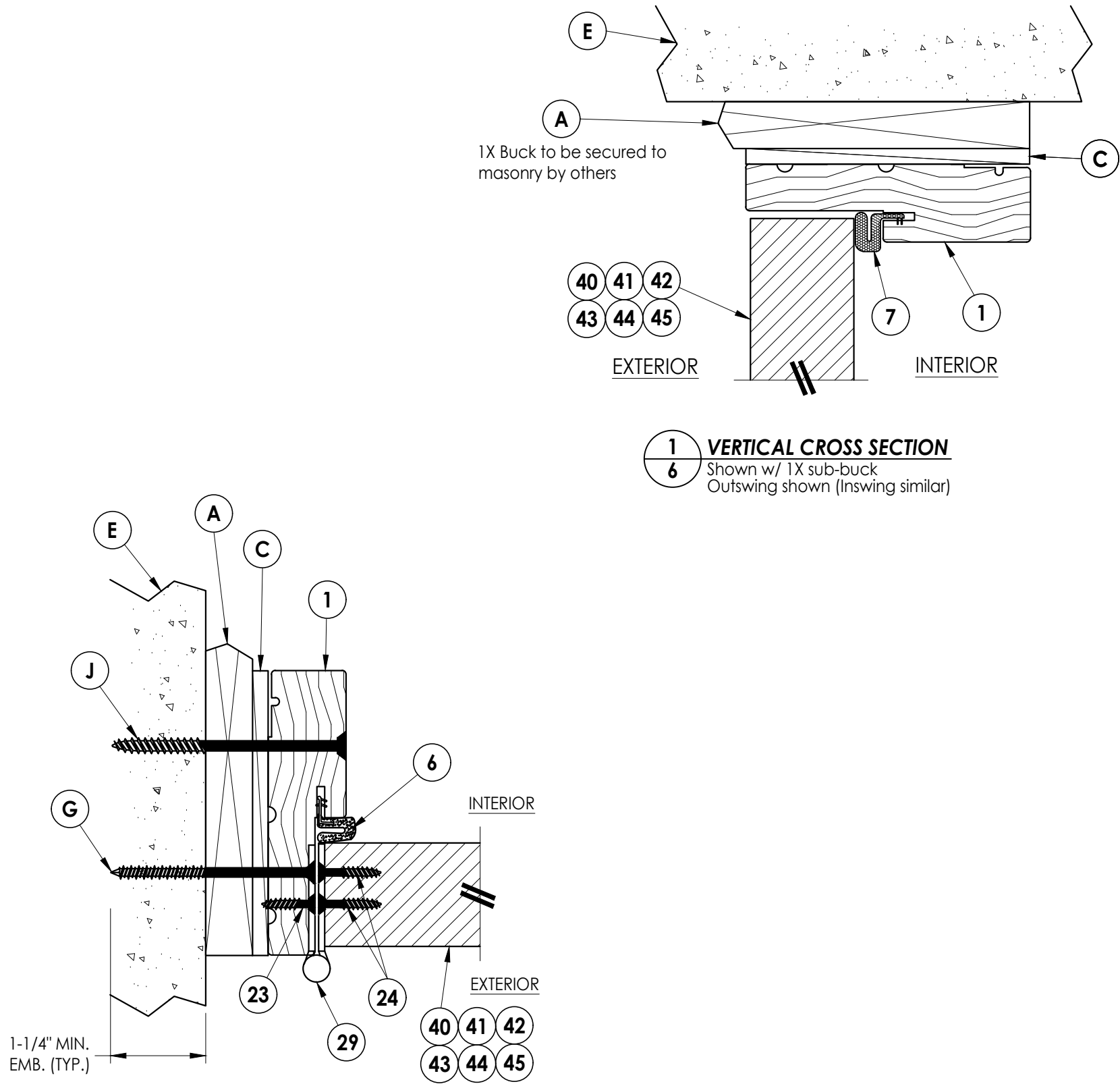
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

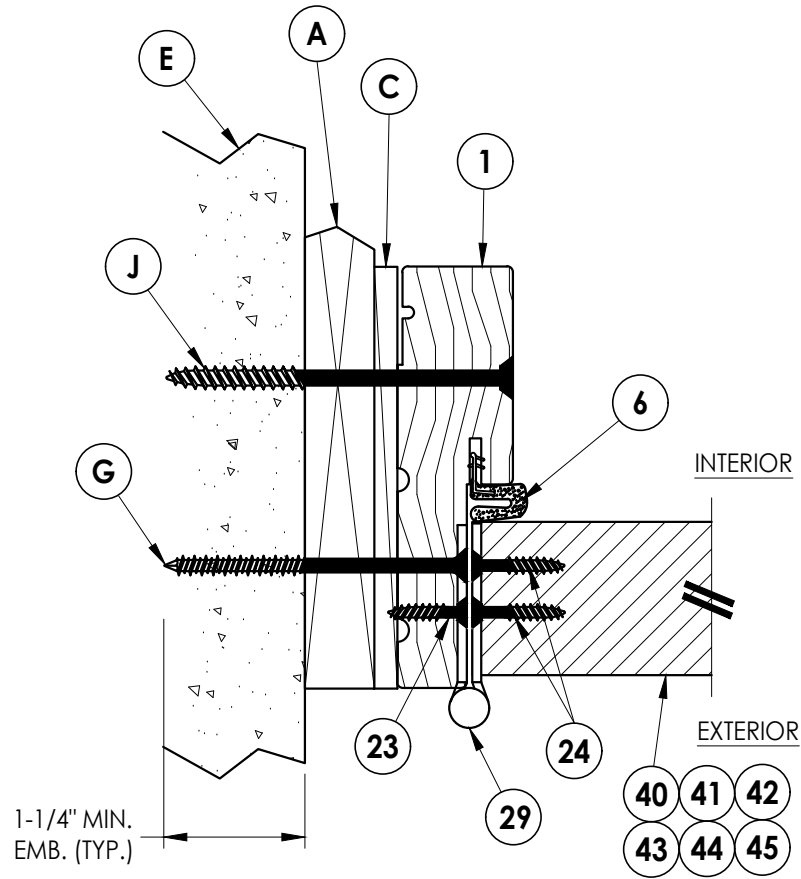
Documents Prepared By:
Lyndon F. Schmidt
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

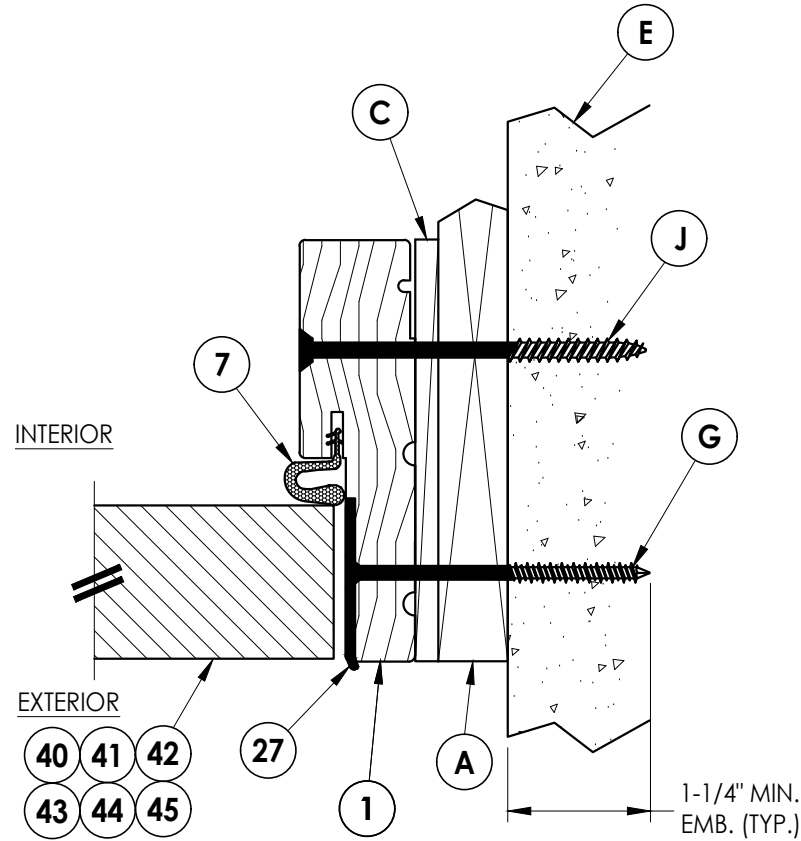
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1 VERTICAL CROSS SECTION
6 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

REVISIONS		DATE	NO.	BY	MT	PO	NOTE
1		12/03/17	RECESSED PANEL NOTATION	JK			
2		10/08/18	REV. DOOR PANEL OPTION	MT			
3		7/16/20	UPDATE TO 7th ED (2020) FBC	PO			
4		8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS			
5		7/2/26	UPDATE TO 9TH ED. (2026) FBC	LFS			

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

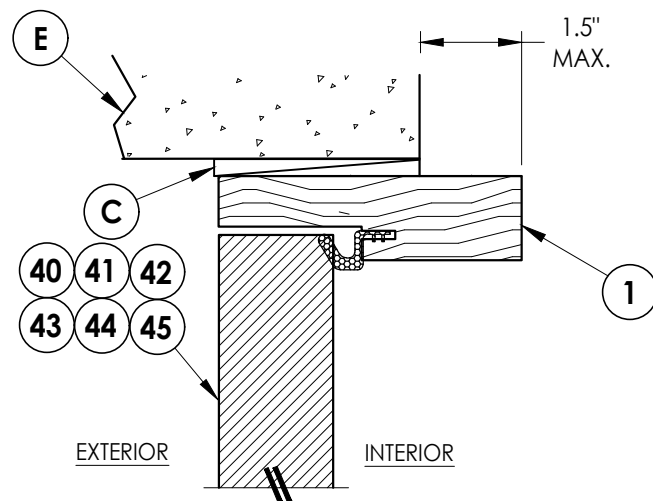
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FL-21135.5

SHEET 6 OF 13

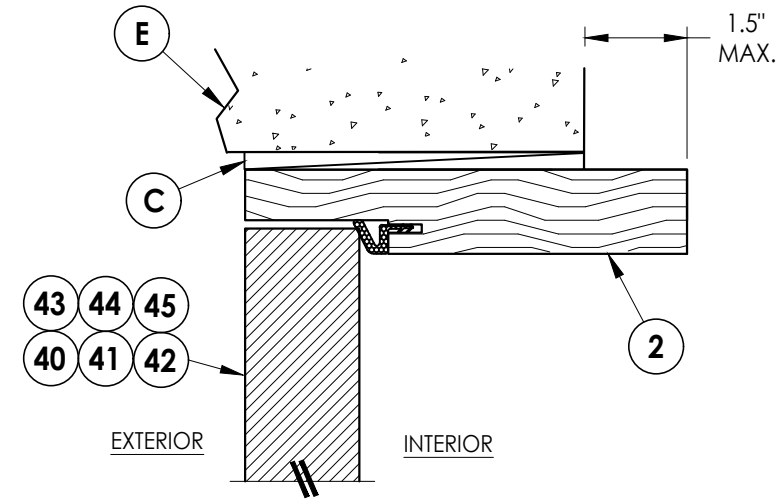
PRODUCT:		PART OR ASSEMBLY:	
THERMA-TRU FIBERGLASS DOOR		HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	

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

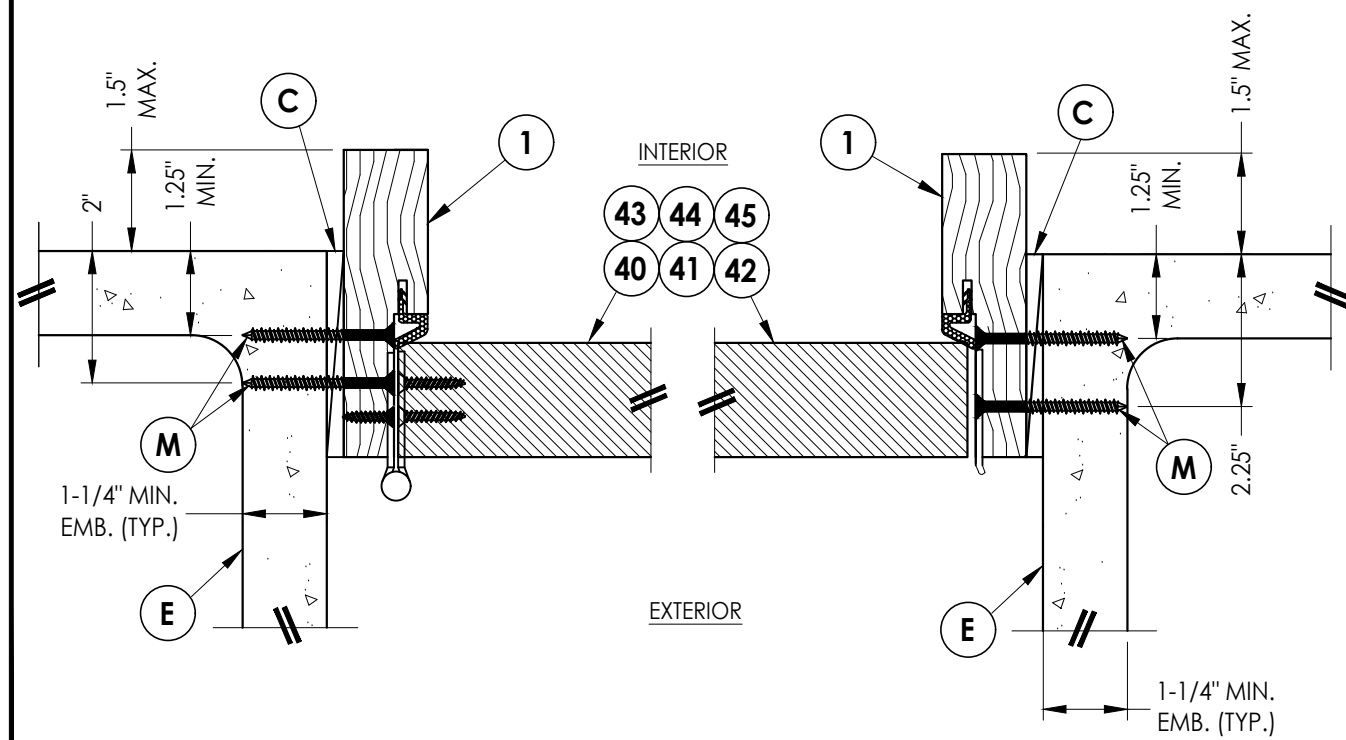
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



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

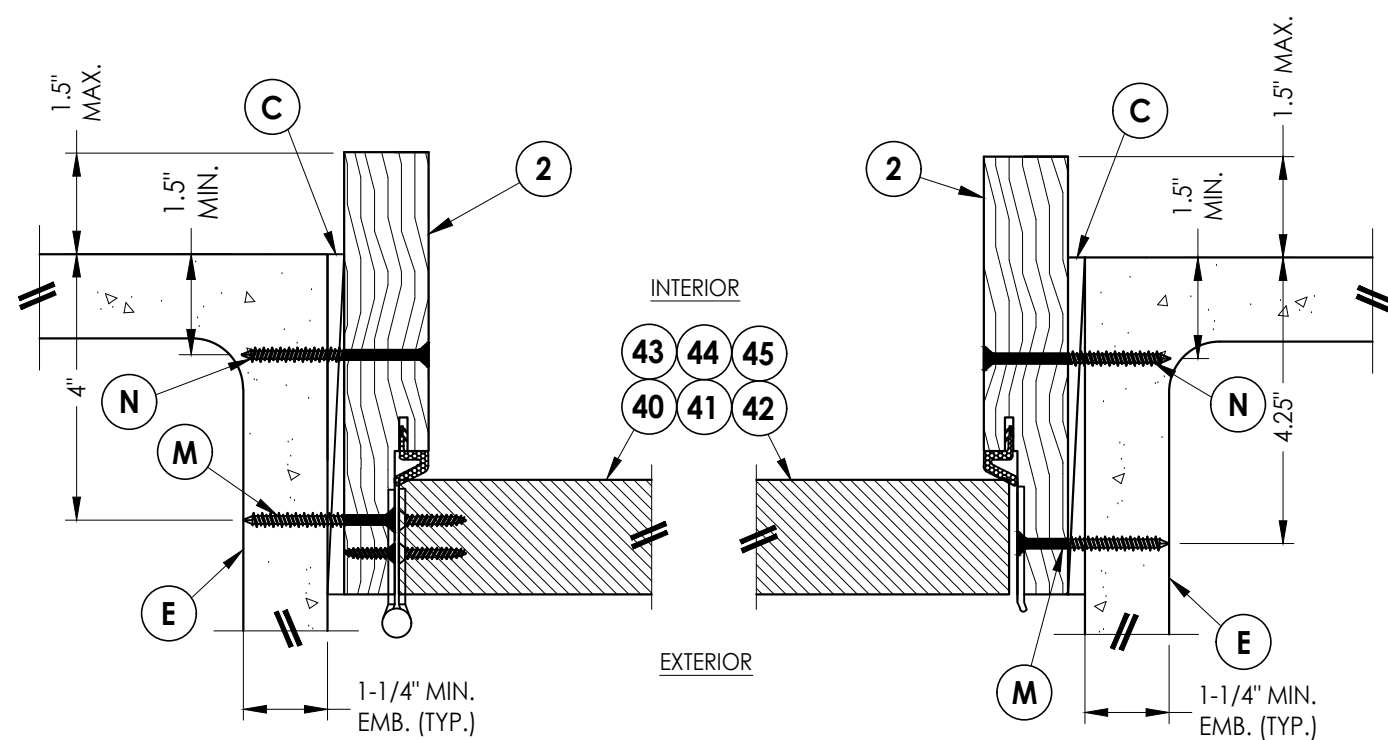


4 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



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

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:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

[illegible]

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

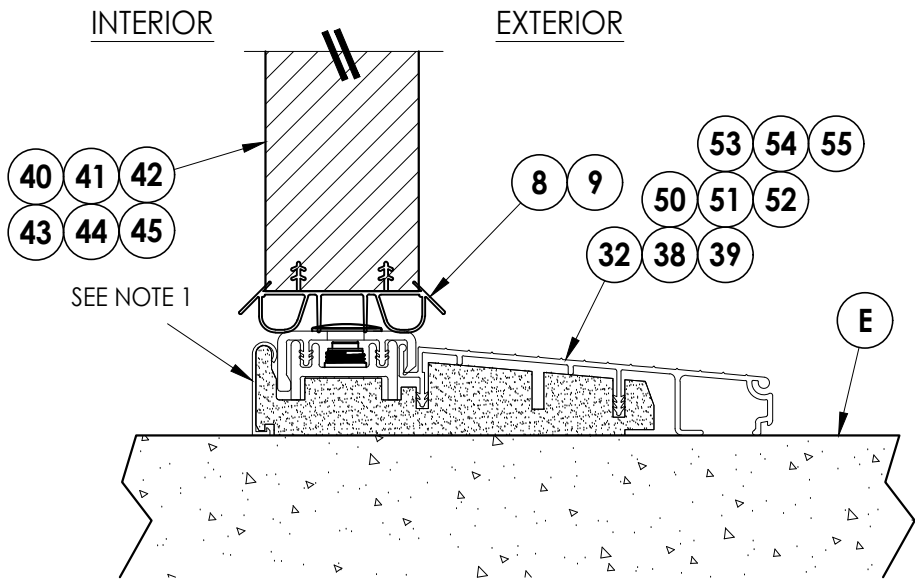
DRAWING NO.:

FL-21135.5

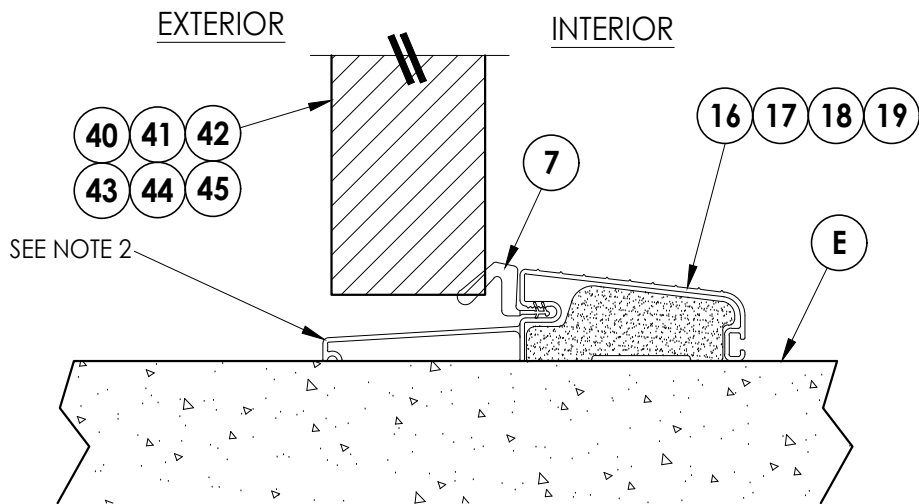
SHEET 7 OF 13

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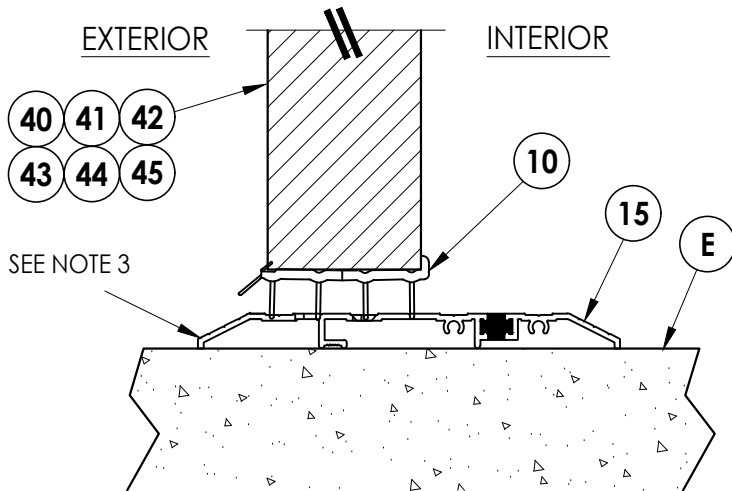
- Notes:
- Sill Item #'s 32, 38, 39, 50, 51, 52, 53 54 & 55 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws or (3) 2.5" staples at each end.
 - Sill Item #'s 16, 17, 18 & 19 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
 - Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



1
8 **VERTICAL CROSS SECTION**
Inswing Sill



2
8 **VERTICAL CROSS SECTION**
Outswing Sill



3
8 **VERTICAL CROSS SECTION**
Public Access Sill

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)

		LFS	FBC	FBC	FBC	PO	MT	JK	BY
5	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	FBC	FBC	PO	MT	JK	BY
4	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	FBC	FBC	PO	MT	JK	BY
3	7/16/20	UPDATE TO 7th ED. (2020)	FBC	FBC	FBC	PO	MT	JK	BY
2	10/08/18	REV. DOOR PANEL OPTION	NOTE	MT	JK	BY			
1	12/03/17	RECESSED PANEL NOTATION	NOTE	MT	JK	BY			
NO.	DATE								
REVISIONS									

DATE: 07/07/17

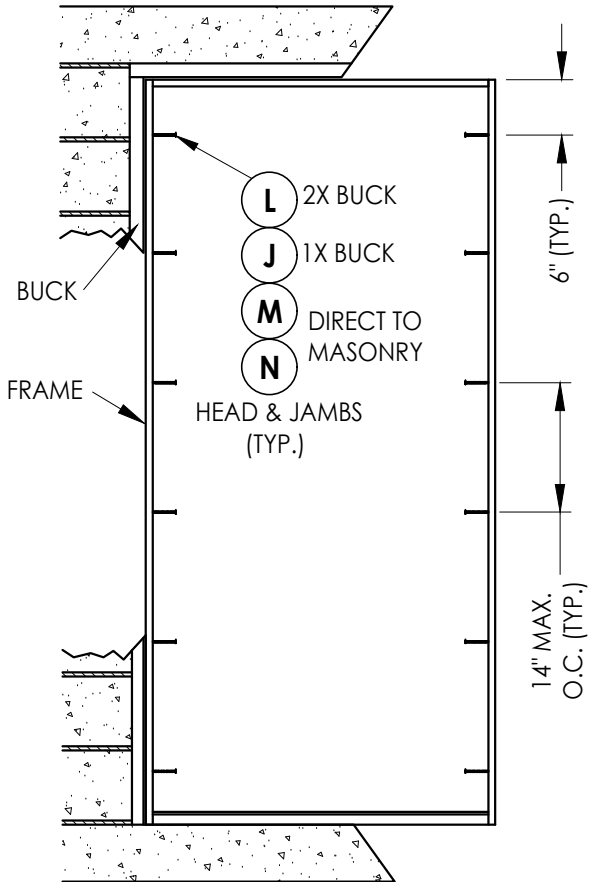
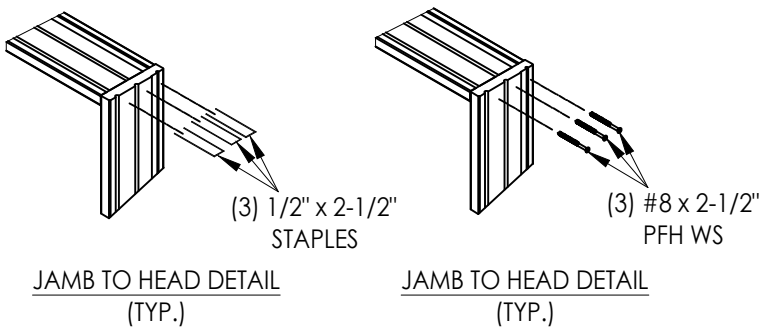
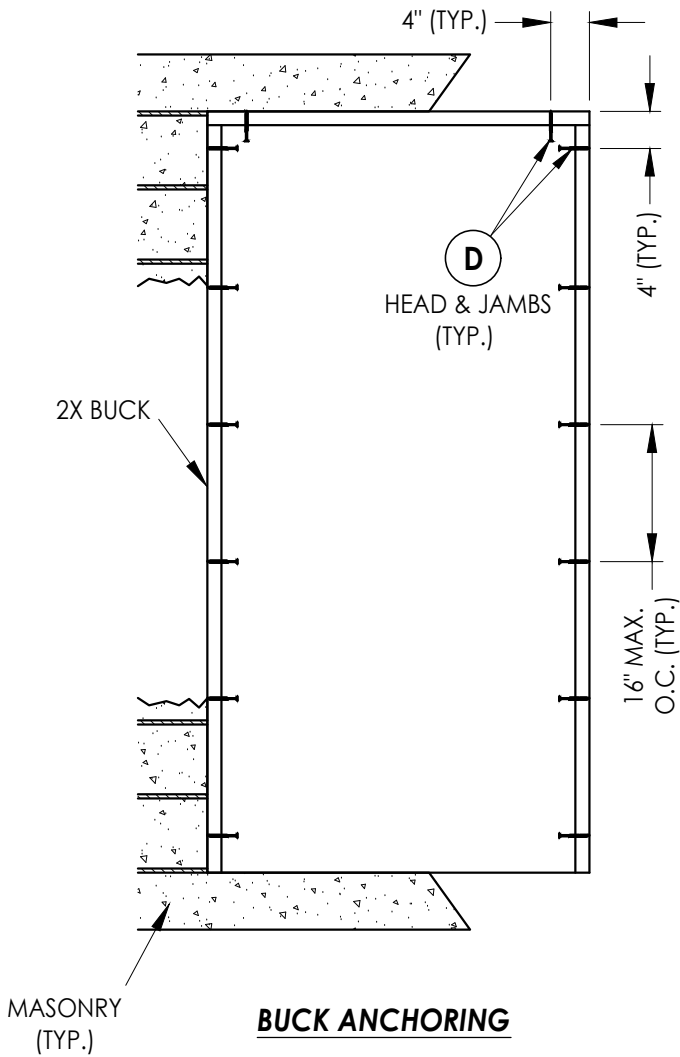
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

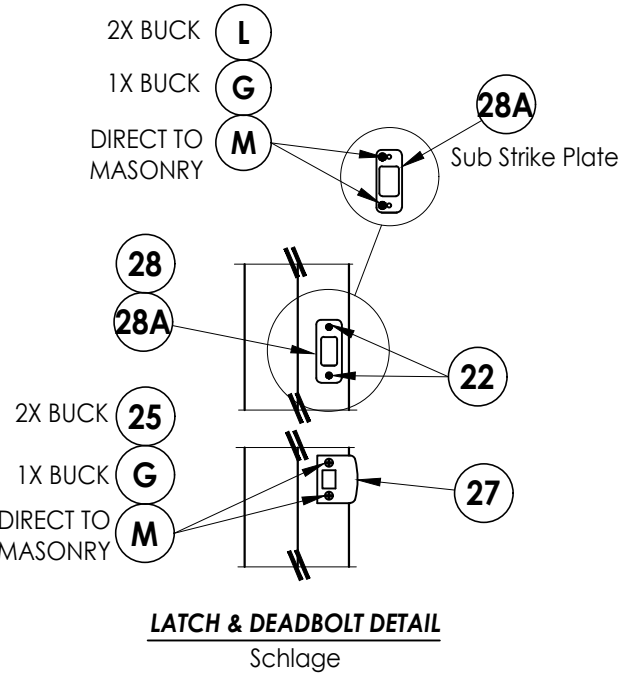
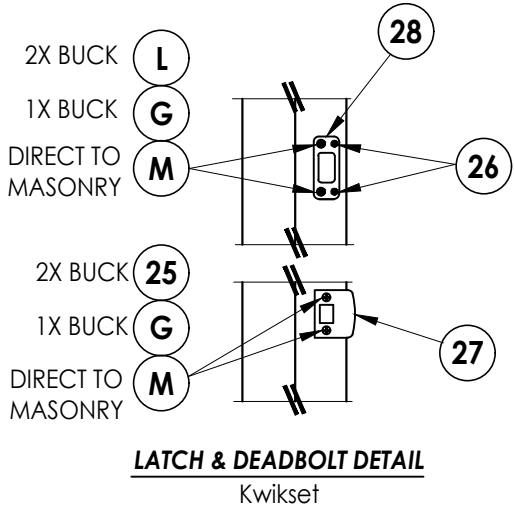
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FL-21135.5

SHEET 8 OF 13

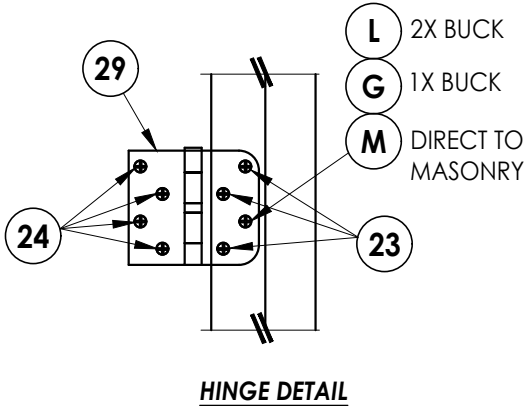
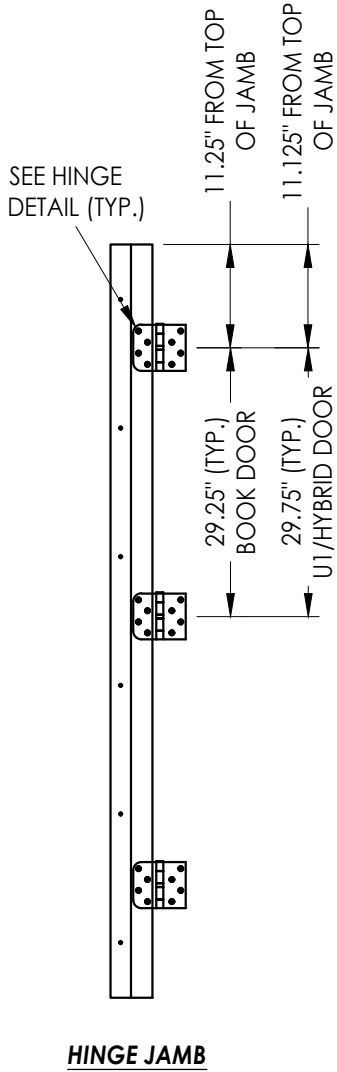
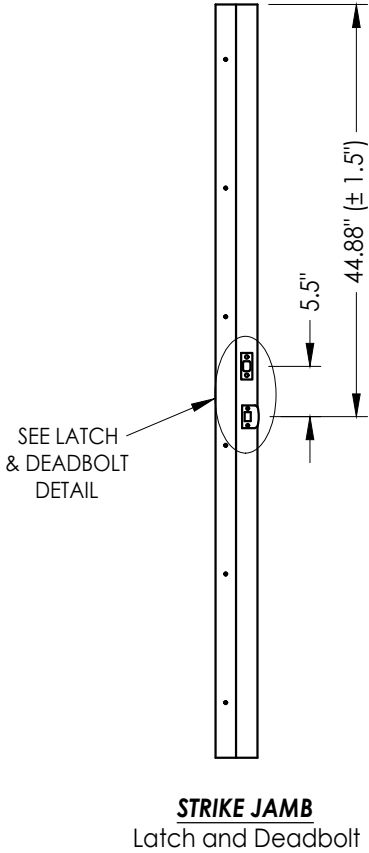


DATE: 07/07/17		5		7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		4		8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	PART OR ASSEMBLY: BUCK AND FRAME ANCHORING		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK		3		7/16/20	UPDATE TO 7th ED (2020)	FBC	PO				
CHK. BY: LFS		2		10/08/18	REV. DOOR PANEL OPTION	NOTE	MT				
DRAWING NO.: FL-21135.5		1		12/03/17	RECESSED PANEL NOTATION		JK				
SHEET 9 OF 13		NO.		DATE			BY				
				REVISIONS							

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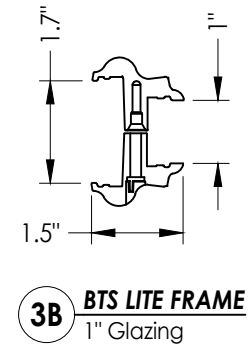
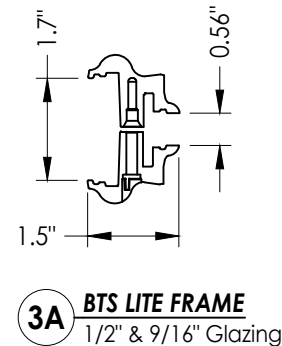
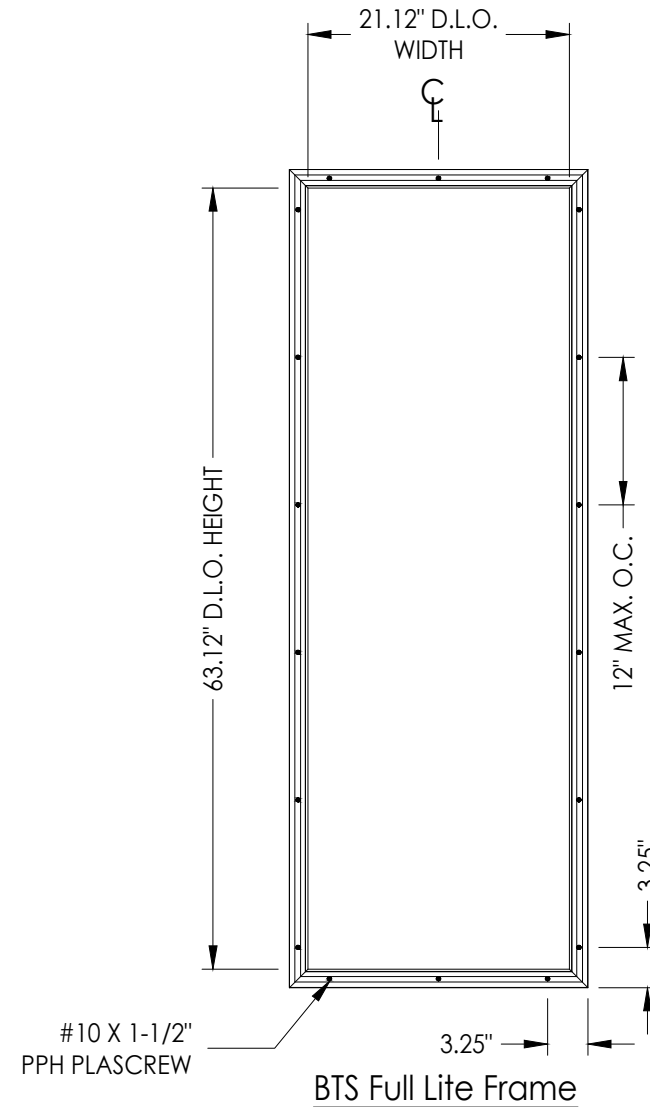
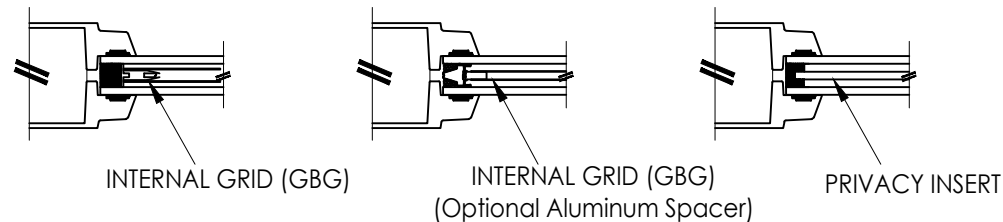
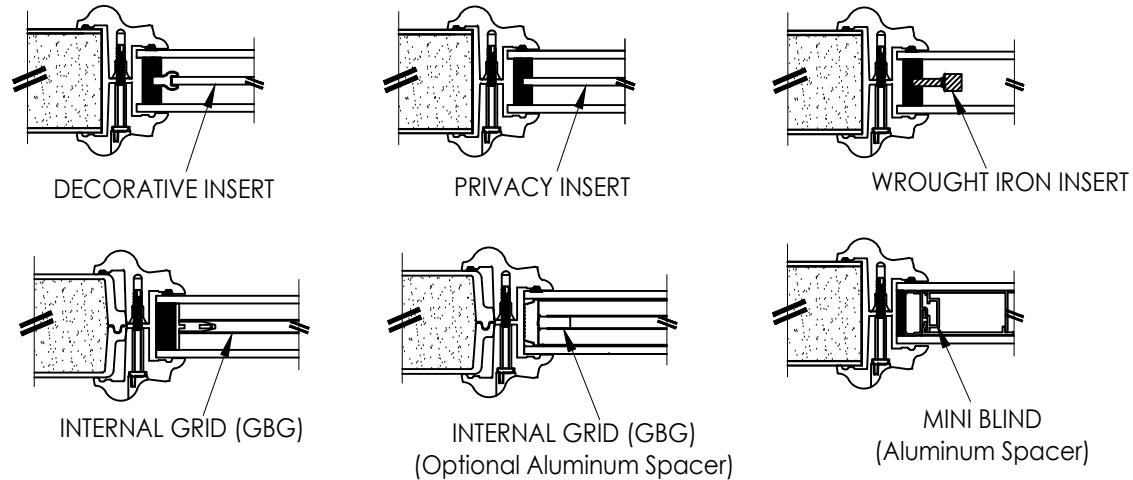
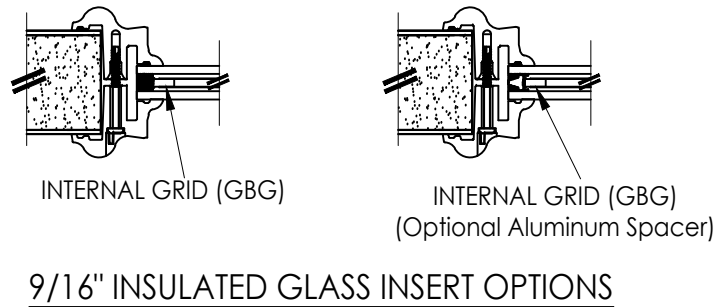
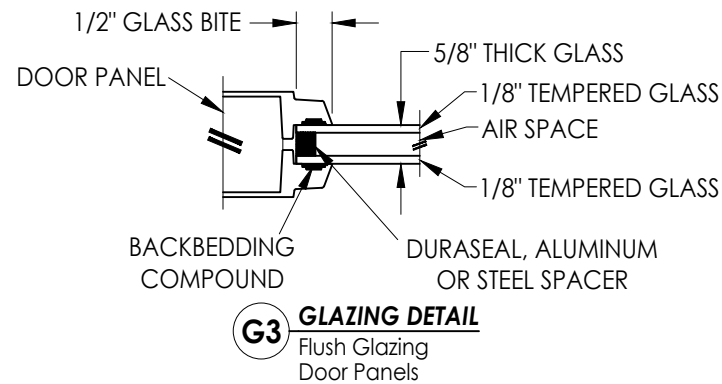
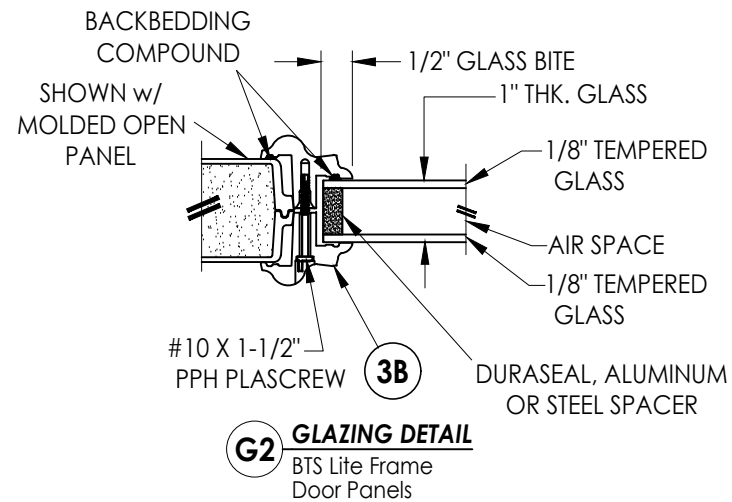
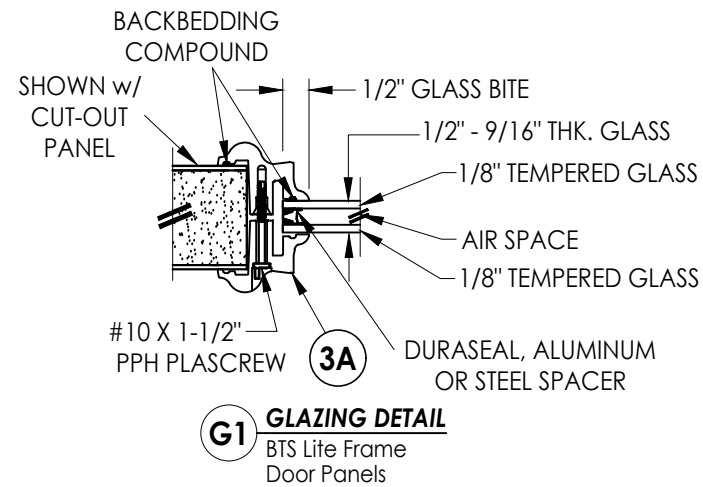


LATCH & DEADBOLT STRIKE DETAILS
(Standard Deadbolt Strike Plate)



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: HARDWARE DETAILS	
5	7/2/26	UPDATE TO 9TH ED. (2026)	FBC LFS
4	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS
3	7/16/20	UPDATE TO 7th ED (2020)	FBC PO
2	10/08/18	REV. DOOR PANEL OPTION	NOTE MT
1	12/03/17	RECESSED PANEL NOTATION	JK
NO.	DATE		BY
REVISIONS			
DATE: 07/07/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21135.5			
SHEET 10 OF 13			

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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:
GLAZING DETAILS

NO.	DATE	REVISIONS
5	7/2/26	UPDATE TO 9TH ED. (2026) FBC
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC
3	7/16/20	UPDATE TO 7TH ED. (2020) FBC
2	10/08/18	REV. DOOR PANEL OPTION NOTE
1	12/03/17	RECESSED PANEL NOTATION

DATE: 07/07/17

SCALE: N.T.S.

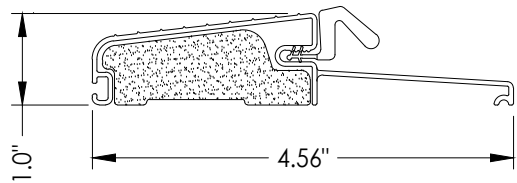
DWG. BY: JK

CHK. BY: LFS

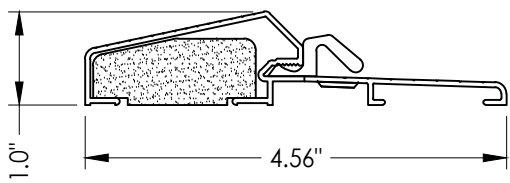
DRAWING NO.: FL-21135.5

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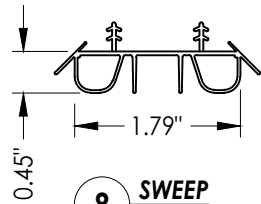
Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R7\FL-21135.5-8.dwg



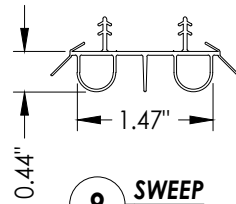
16 OUTSWING THRESHOLD
Composite Sill



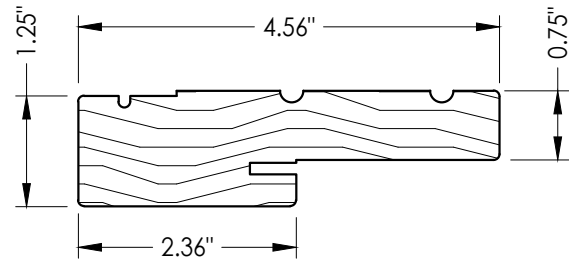
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



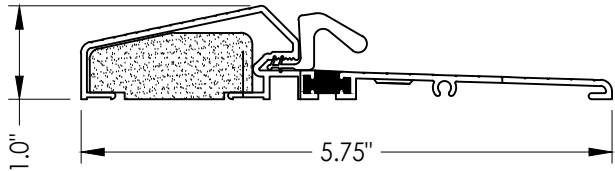
8 SWEEP



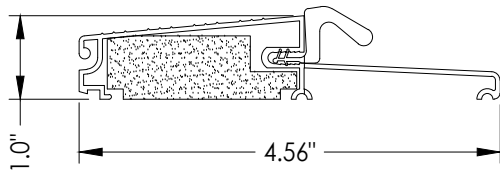
9 SWEEP



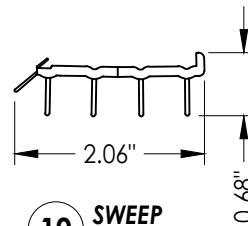
1 WOOD JAMB



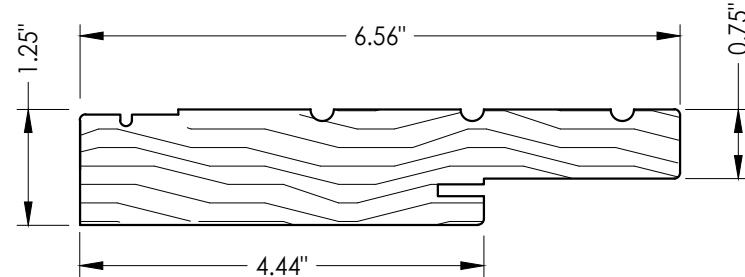
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



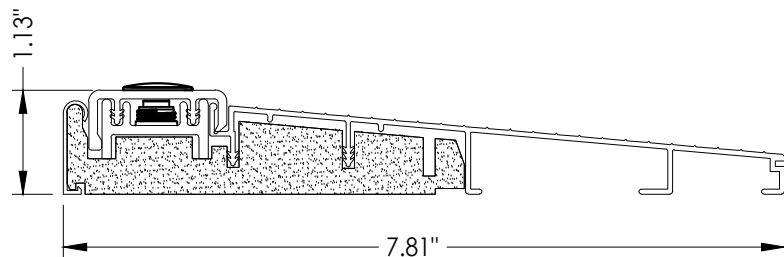
19 OUTSWING THRESHOLD
Composite Sill



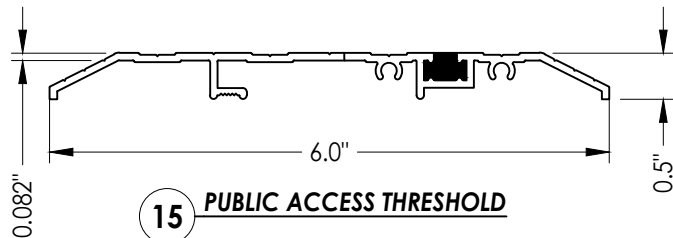
10 SWEEP



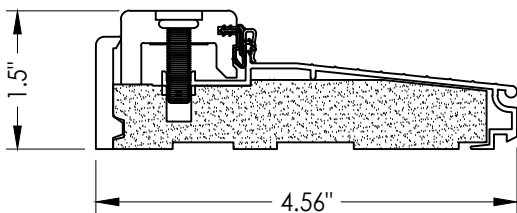
2 WOOD JAMB



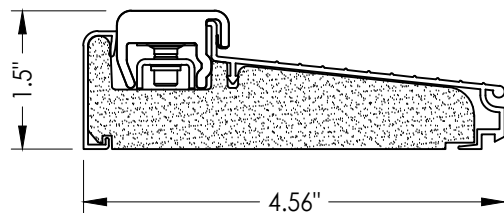
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



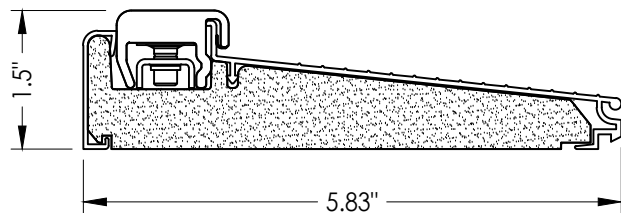
15 PUBLIC ACCESS THRESHOLD



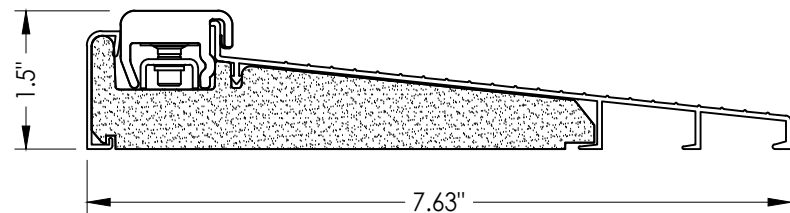
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



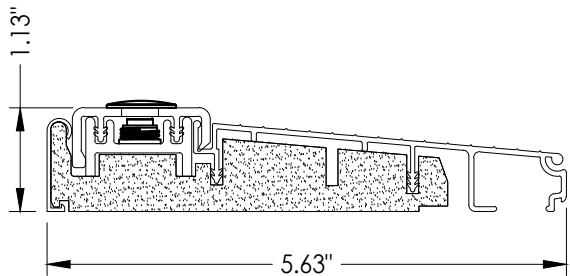
50 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



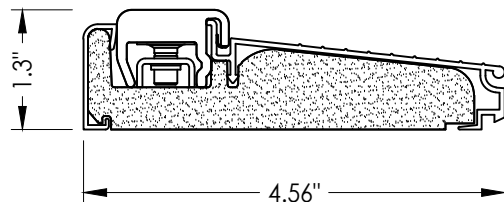
51 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



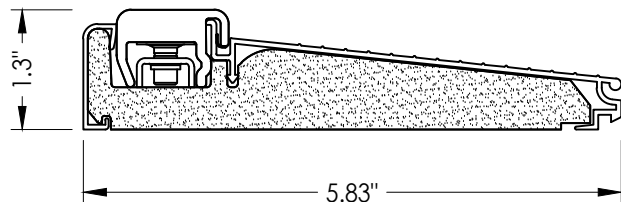
52 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



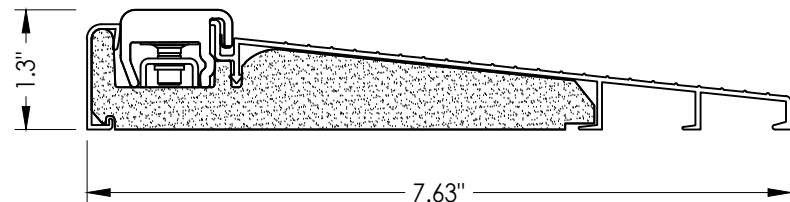
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



53 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



54 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



55 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

NO.	DATE	REVISIONS			
		DATE	BY	JK	MT
5	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
4	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO	
2	10/08/18	REV. DOOR PANEL OPTION	NOTE	MT	
1	12/03/17	RECESSED PANEL NOTATION		JK	

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21135.5

SHEET 12 OF 13

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BILL OF MATERIALS			BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL	ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD	25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
B	2X BUCK (SG >= 0.42)	WOOD	26	#8 x 5/8" PFH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28A	DEADBOLT SUB STRIKE PLATE	STEEL
			29	4" X 4" HINGE	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	38	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	39	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	40	DOOR PANEL (BOOK)	-
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	41	DOOR PANEL (HYBRID)	-
1	JAMB (FINGER JOINT PINE)	WOOD	42	DOOR PANEL (U1)	-
2	JAMB (FINGER JOINT PINE)	WOOD	43	FLUSH GLAZED DOOR PANEL (BOOK)	-
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	44	FLUSH GLAZED DOOR PANEL (HYBRID)	-
7	WEATHERSTRIP (LONG REACH)	FOAM	45	FLUSH GLAZED DOOR PANEL (U1)	-
8	SWEEP	VINYL	50	INSWING THRESHOLD	ALUM/COMP
9	SWEEP	VINYL	51	INSWING THRESHOLD	ALUM/COMP
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	52	INSWING THRESHOLD	ALUM/COMP
15	ADA THRESHOLD	ALUM	53	INSWING THRESHOLD	ALUM/COMP
16	OUTSWING THRESHOLD	ALUM/COMP	54	INSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP	55	INSWING 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			

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 ULTRA-CON+®	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.

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PART OR ASSEMBLY:
BILL OF MATERIALS

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1	DATE		JK
NO.			BY

REVISIONS

DATE: 07/07/17

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DRAWING NO.: FL-21135.5

SHEET 13 OF 13

RW

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