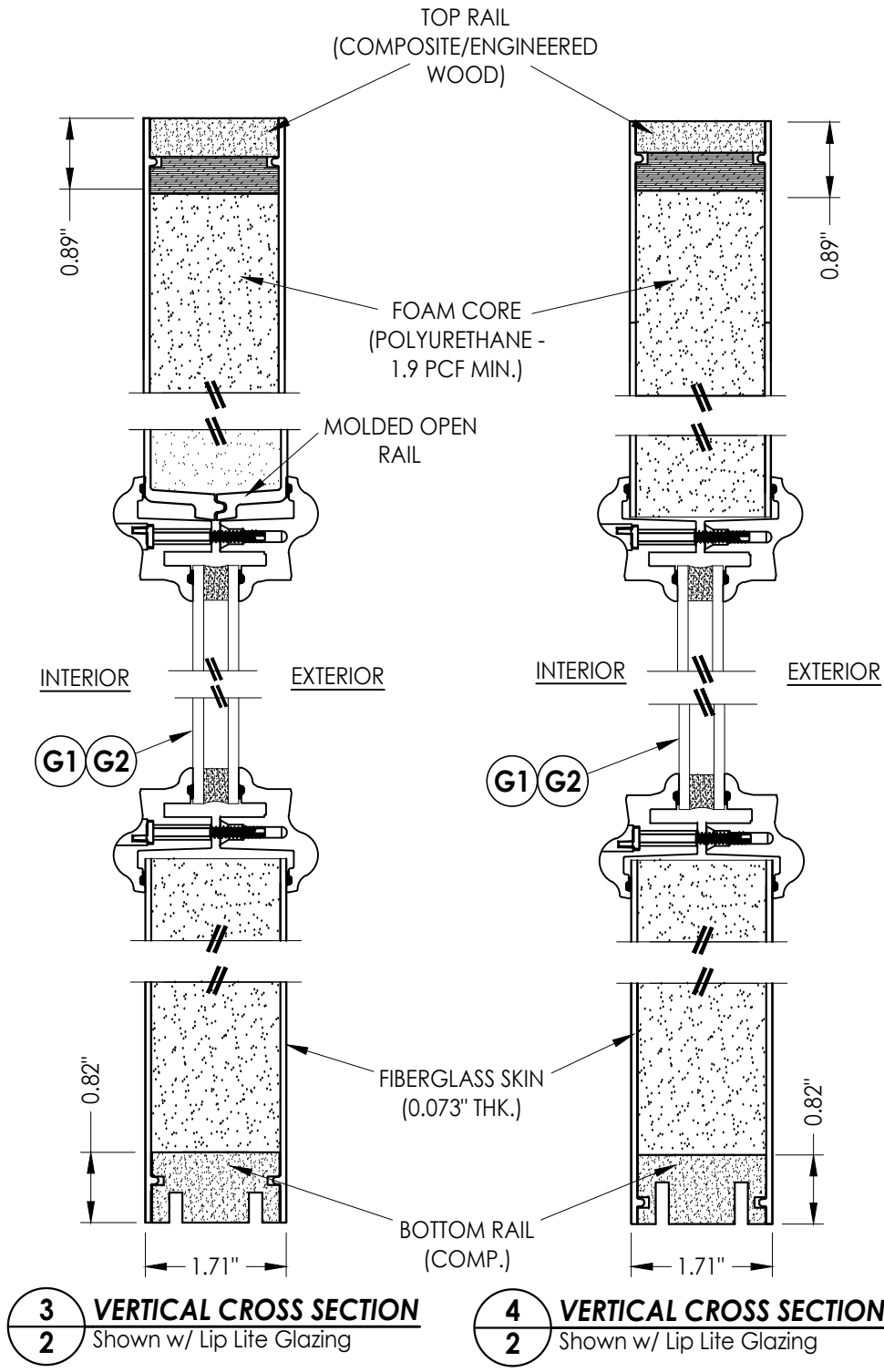
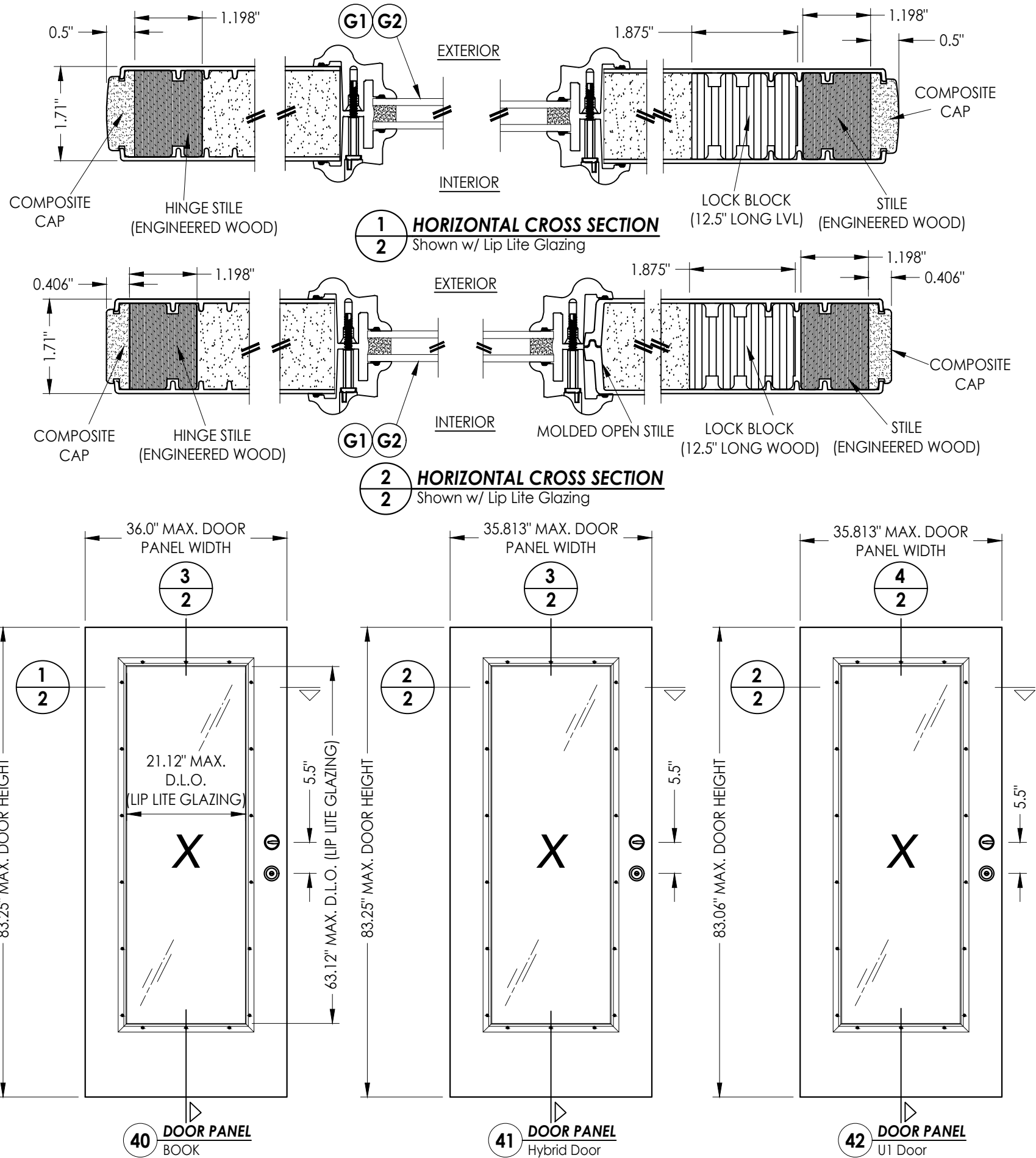


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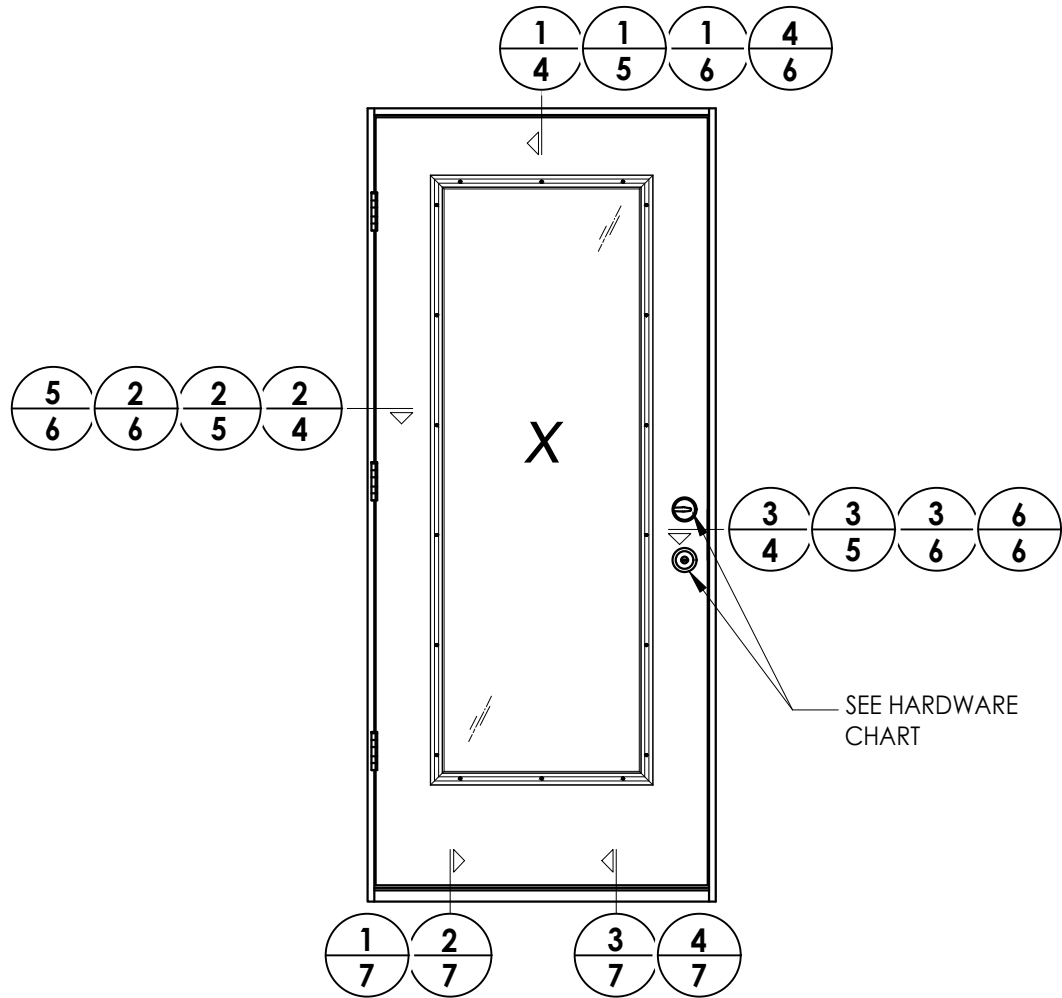


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

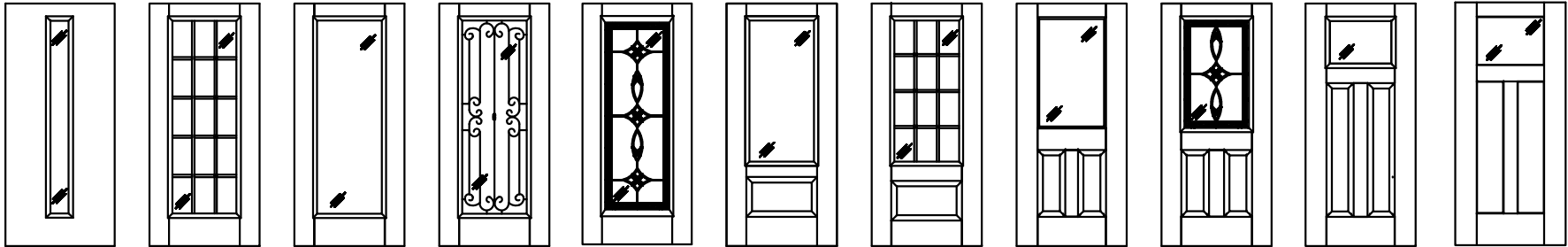
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
6	7/03/26	UPDATE TO 9TH ED. (2026)	FBC LFS
5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC LFS
4	7/21/20	UPDATE TO 7th ED (2020)	FBC LFS
NO.	DATE		BY
REVISIONS			
DATE: 6/1/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20461.12			
SHEET 2 OF 12			

Z:\2023 FBC Drawings\Therma-Tru\FL-20461 R10\FL-20461.9-13.dwg



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



Fiber-Classic/Smooth-Star 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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20461.12

SHEET 3 OF 12

6 7/03/26 UPDATE TO 9TH ED. (2026) FBC LFS

5 7/19/23 UPDATE TO 8TH ED. (2023) FBC LFS

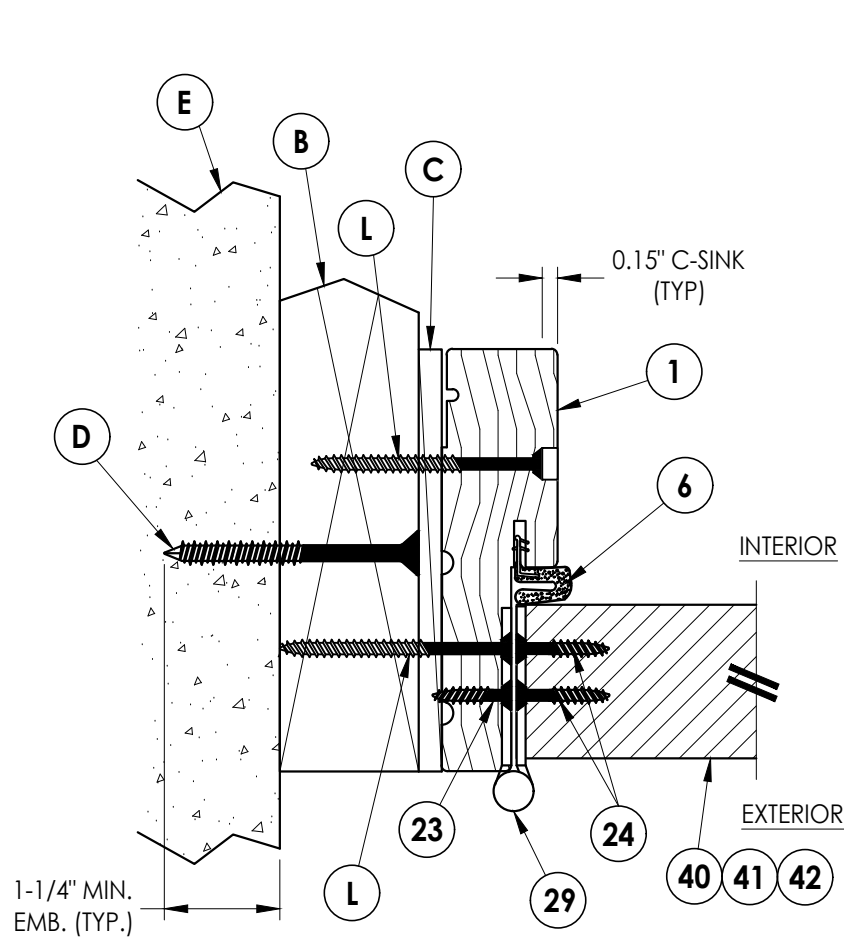
4 7/21/20 UPDATE TO 7th ED (2020) FBC LFS

NO. DATE BY

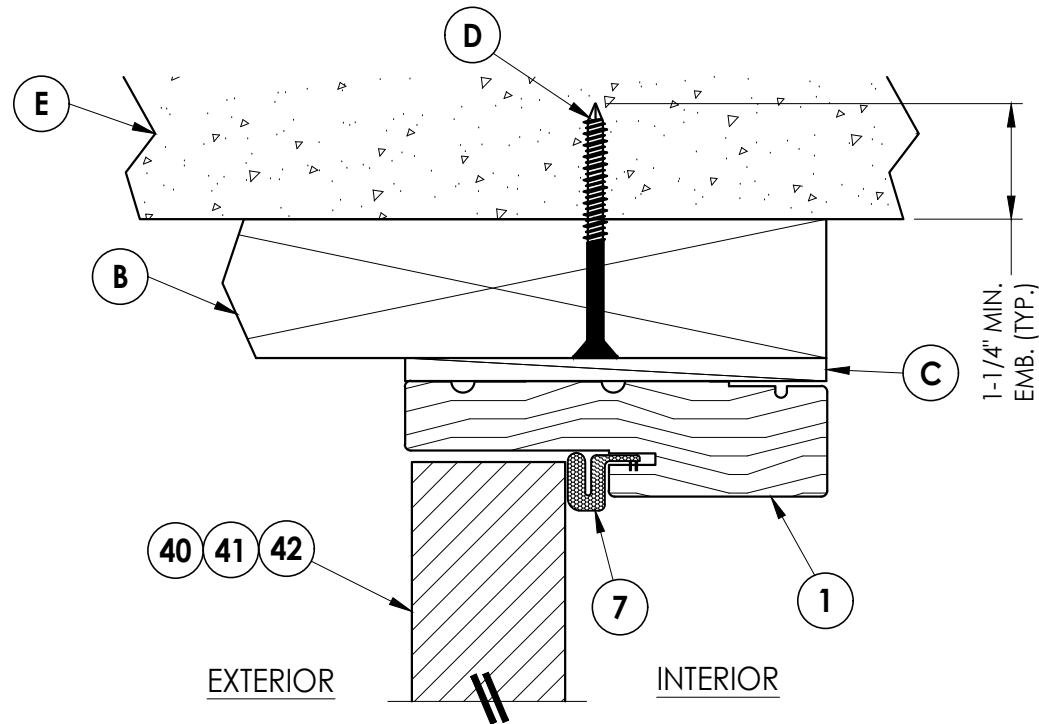
REVISIONS

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

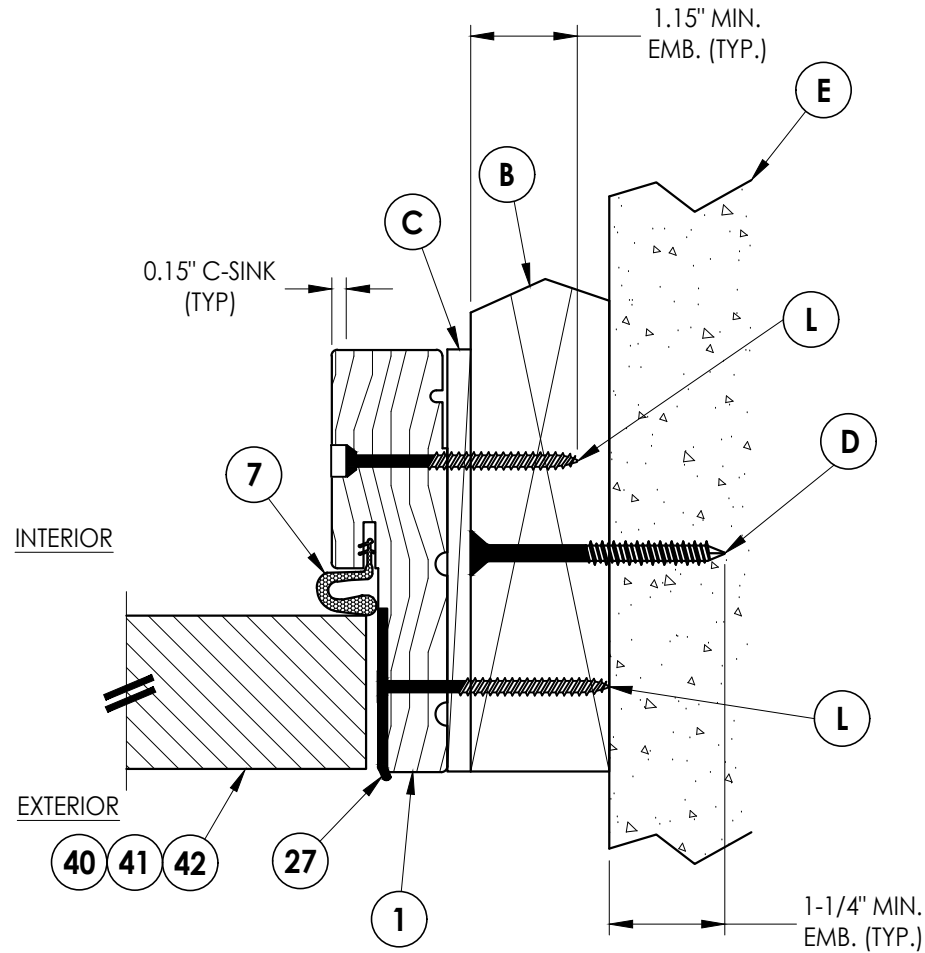
Z:\2023 FBC Drawings\Therma-Tru\FL-20461 R10\FL-20461.9-13.dwg



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



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



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

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
REVISIONS			
NO.	DATE	BY	
6	7/03/26	UPDATE TO 9TH ED. (2026)	FBC LFS
5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC LFS
4	7/21/20	UPDATE TO 7th ED (2020)	FBC LFS

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

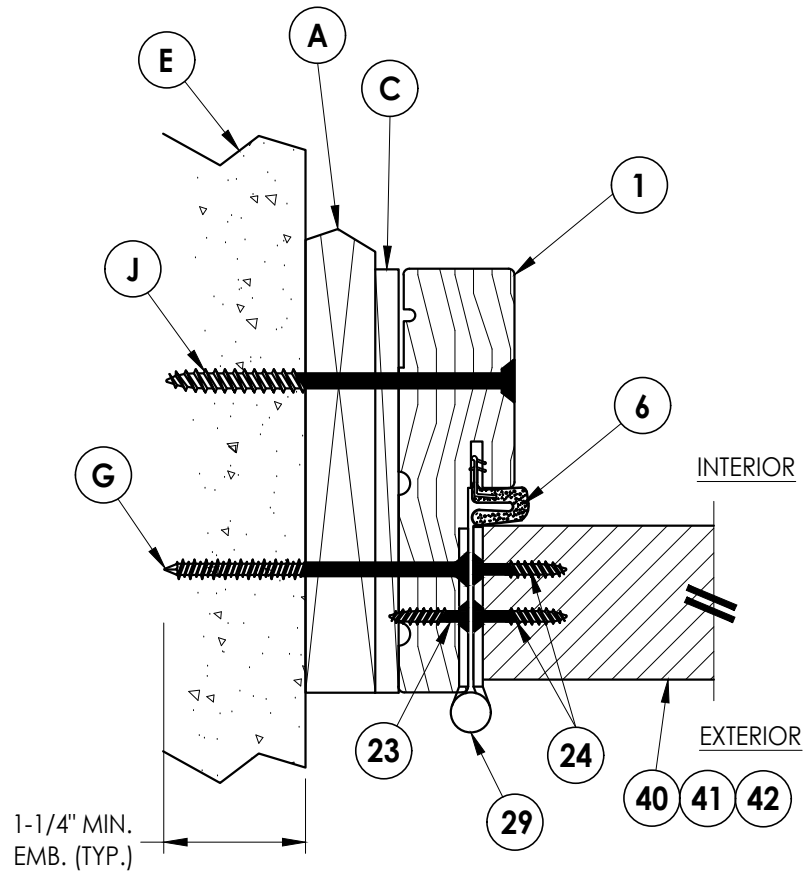
FL-20461.12

SHEET 4 OF 12

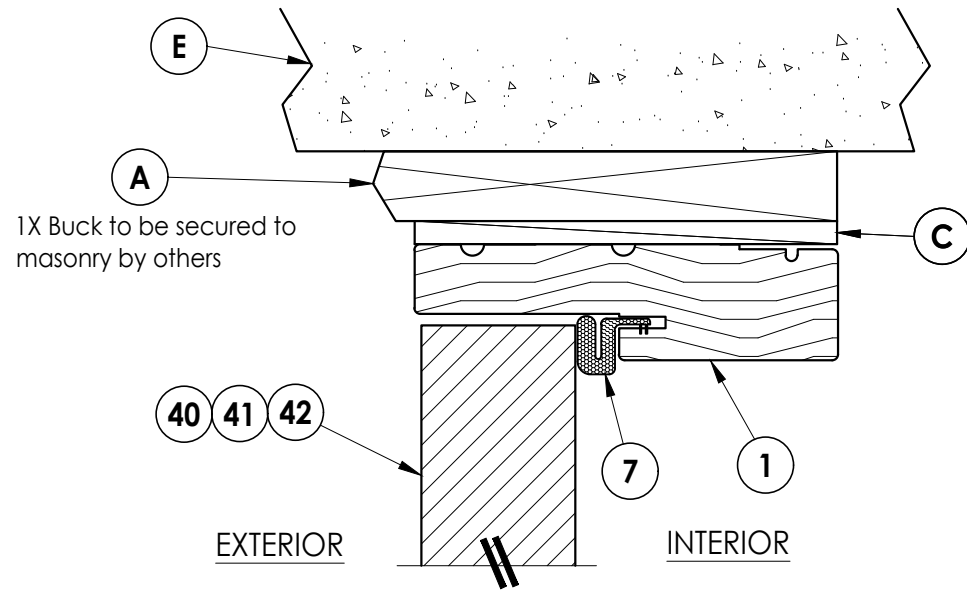
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

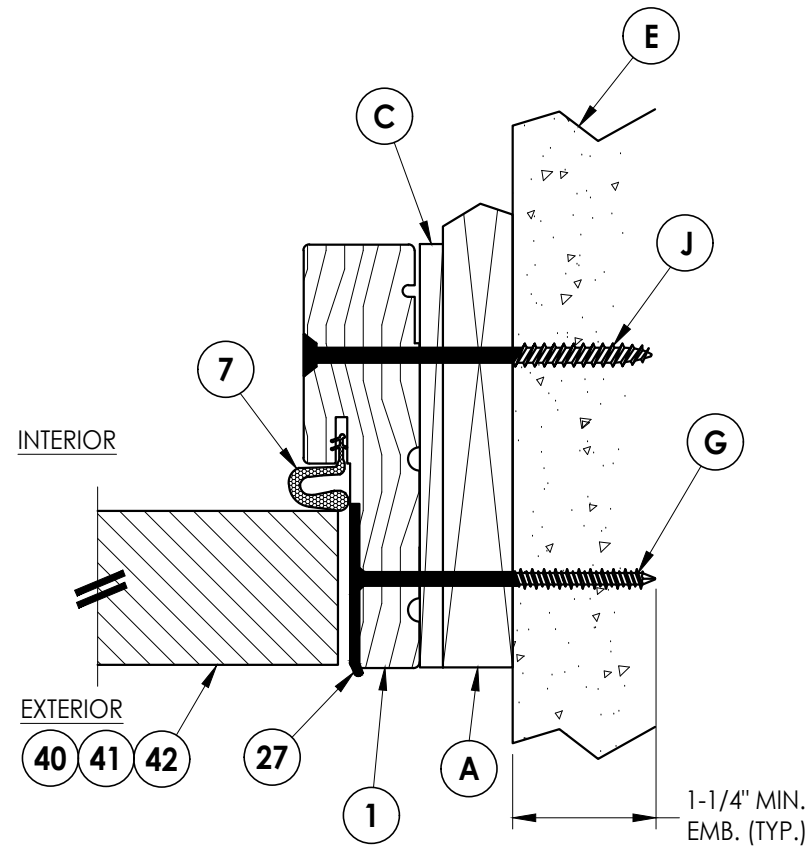
Z:\2023 FBC Drawings\Therma-Tru\FL-20461 R10\FL-20461.9-13.dwg



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



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



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

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
CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS
6	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	7/19/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/21/20	UPDATE TO 7th ED (2020) FBC LFS

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

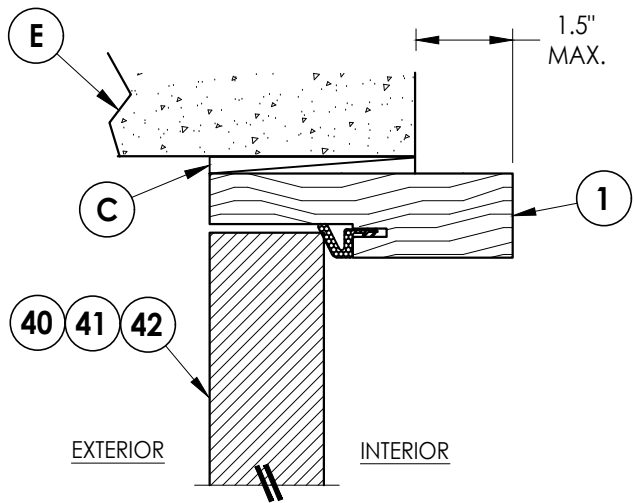
CHK. BY: LFS

DRAWING NO.:

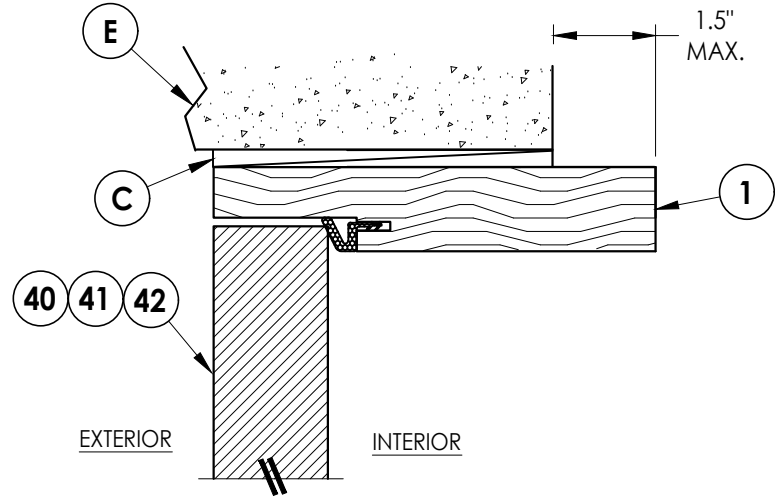
FL-20461.12

SHEET 5 OF 12

Z:\2023 FBC Drawings\Therma-Tru\FL-20461 R10\FL-20461.9-13.dwg



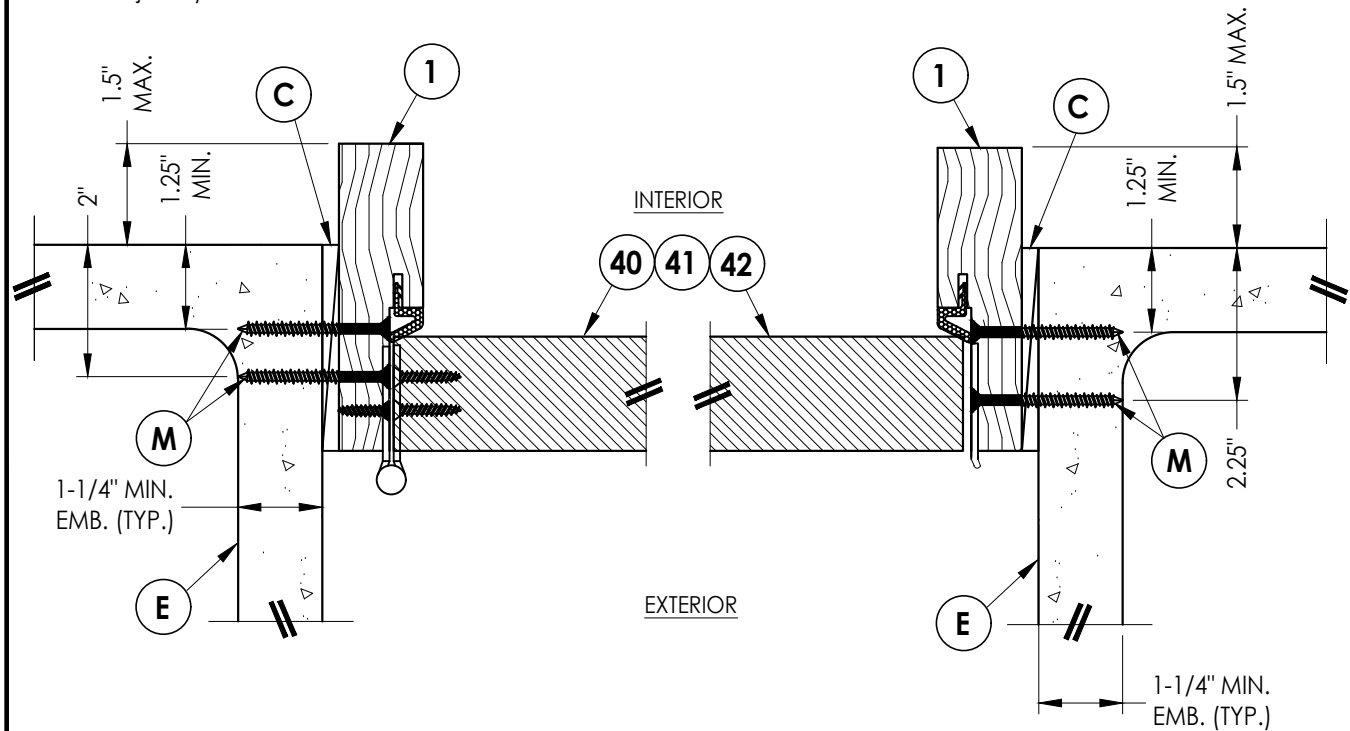
1
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



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

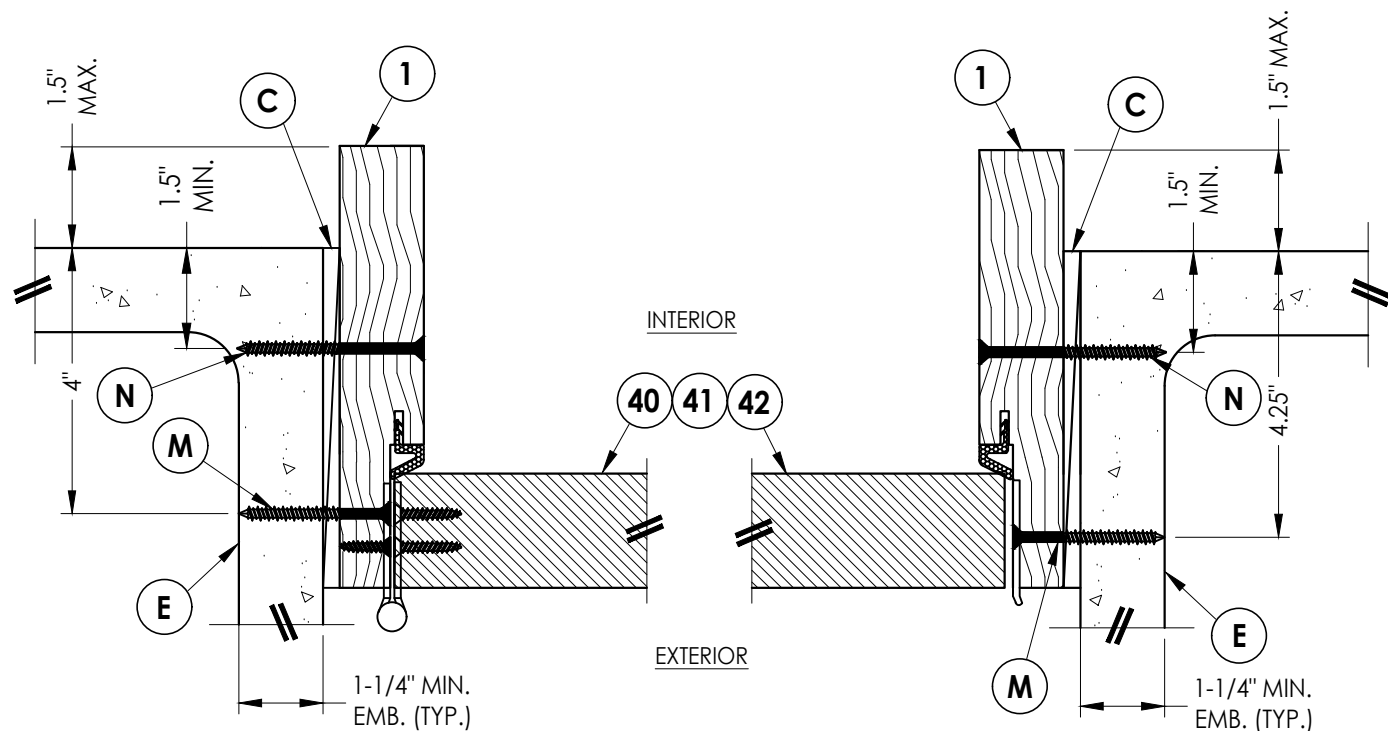
Notes:

1. Sidelite assembly screws located 14" 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).



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

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



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

6
6 **HORIZONTAL CROSS SECTION**
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)

		REVISIONS	
NO.	DATE	BY	
6	7/03/26	UPDATE TO 9TH ED. (2026) FBC	LFS
5	7/19/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	7/21/20	UPDATE TO 7th ED (2020) FBC	LFS

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

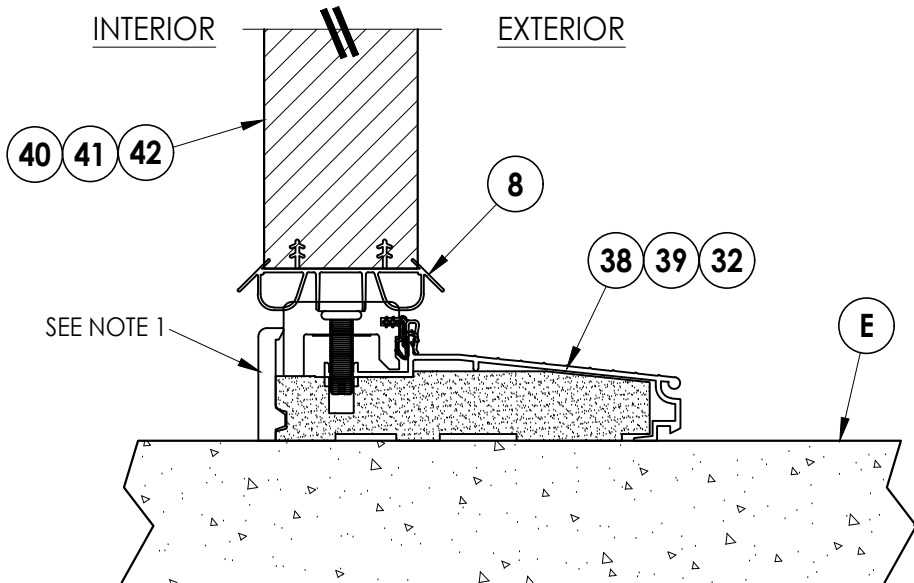
CHK. BY: LFS

DRAWING NO.: FL-20461.12

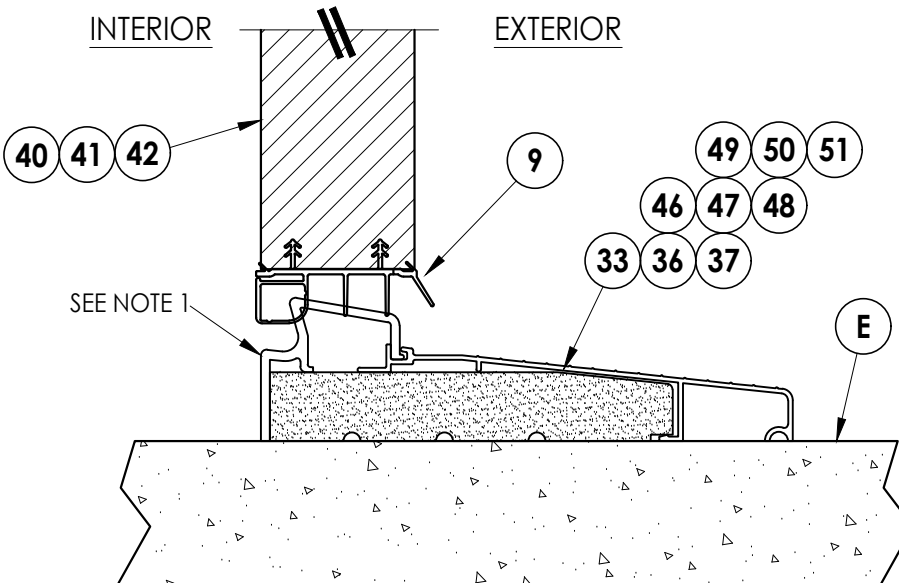
SHEET 6 OF 12

Z:\2023 FBC Drawings\Therma-Tru\FL-20461 R10\FL-20461.9-13.dwg

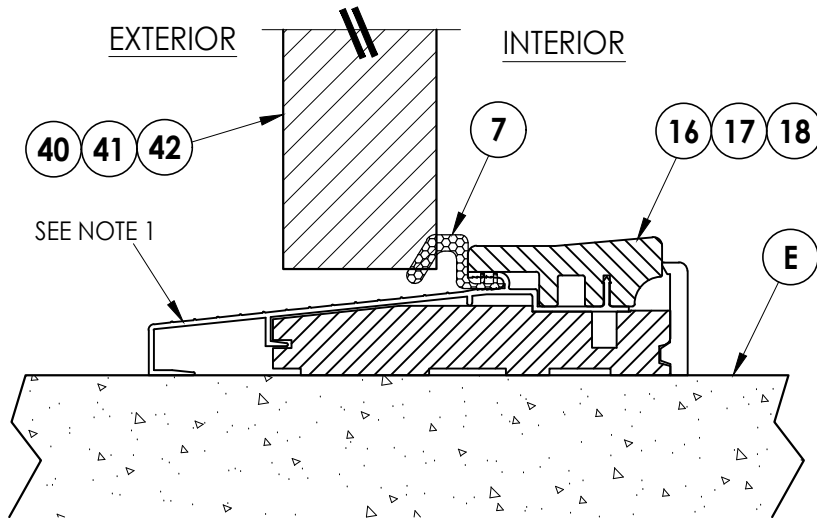
- Notes:
- Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 46, 47, 48, 49, 50 & 51 are attached to jambs w/ (3) #8 X 2-1/2" pph screws or (3) 2.5" staples at each end.
 - Sill Item #'s 17 & 18 are attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
 - Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



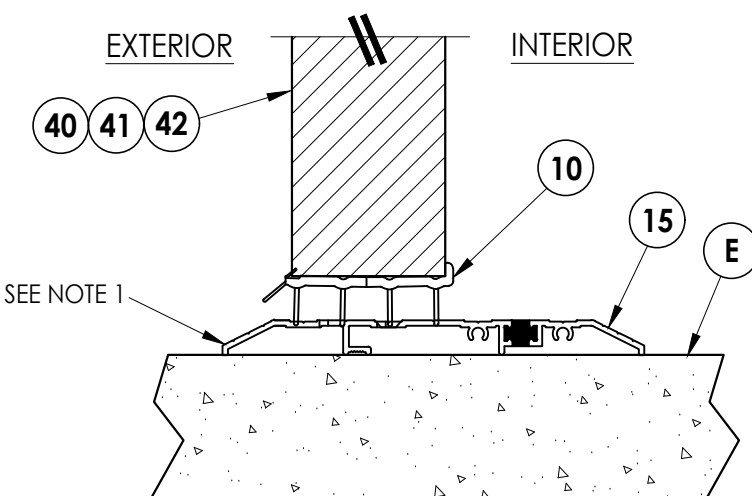
1
7 **VERTICAL CROSS SECTION**
Inswing Sill



2
7 **VERTICAL CROSS SECTION**
Inswing Sill



3
7 **VERTICAL CROSS SECTION**
Outswing Sill



4
7 **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)

NO.	DATE	REVISIONS		
		DATE	BY	
6	7/03/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
5	7/19/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	7/21/20	UPDATE TO 7th ED (2020)	FBC	LFS

DATE: 6/1/16

SCALE: N.T.S.

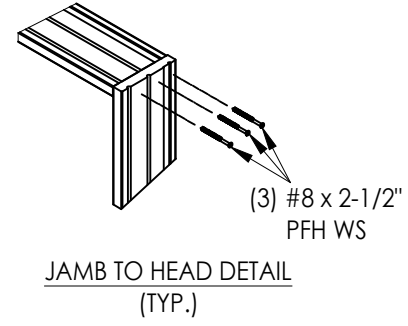
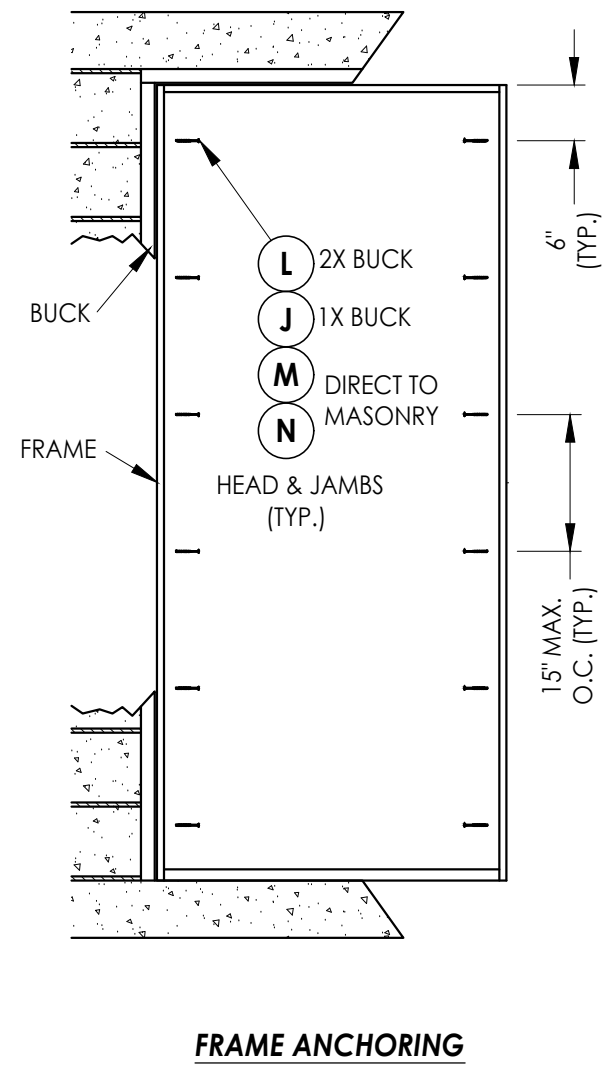
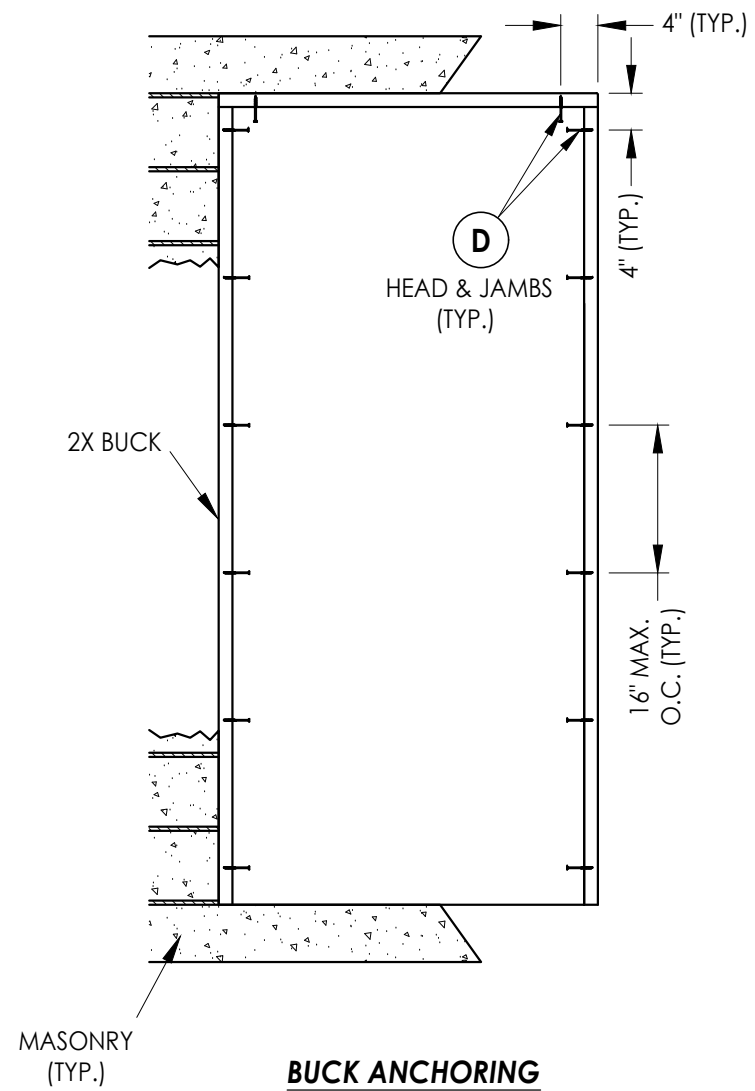
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20461.12

SHEET 7 OF 12



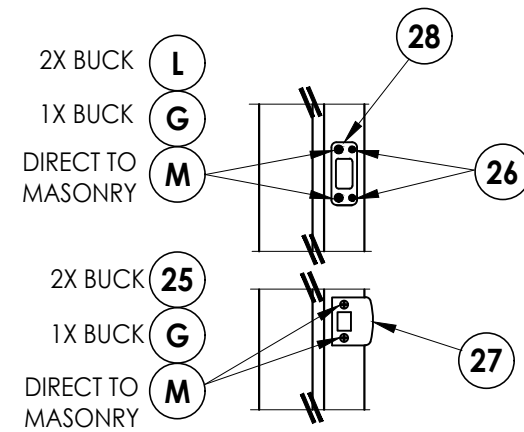
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5	7/19/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS	
4	7/21/20	UPDATE TO 7th ED	(2020)	FBC	LFS	
NO.	DATE					BY
						REVISIONS

DATE:	6/1/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20461.12
SHEET	8 OF 12

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

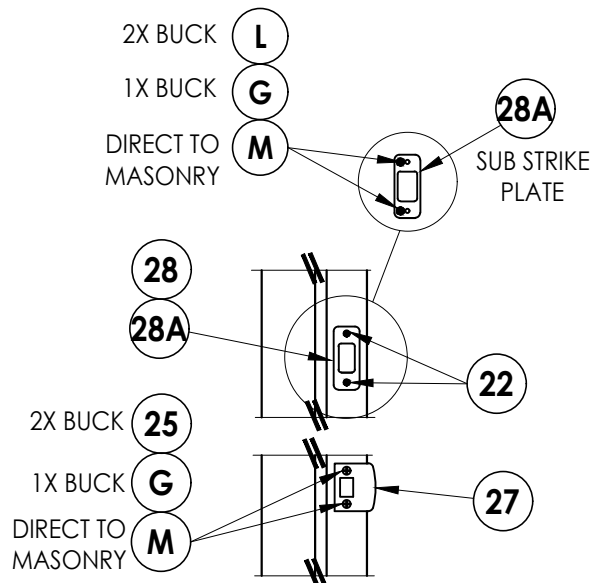
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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



LATCH & DEADBOLT DETAIL

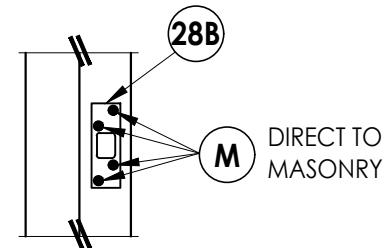
Kwikset



LATCH & DEADBOLT DETAIL

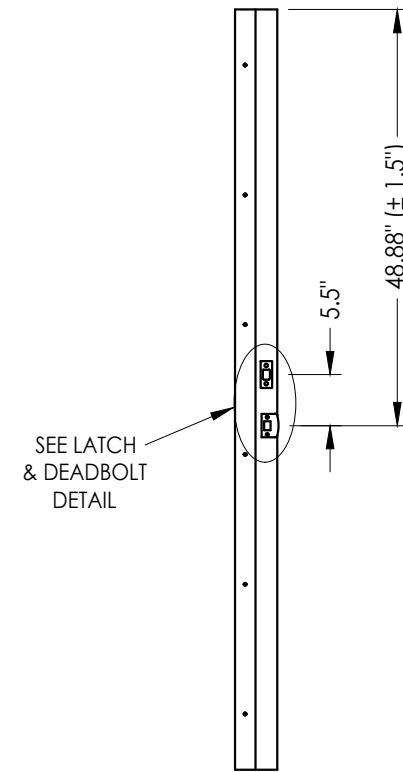
Schlage

LATCH & DEADBOLT STRIKE DETAILS



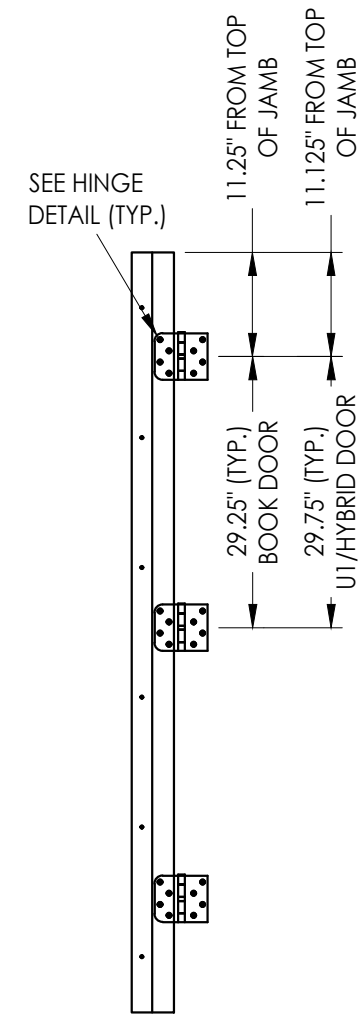
DEADBOLT STRIKE DETAILS

(Security Deadbolt Strike Plate)

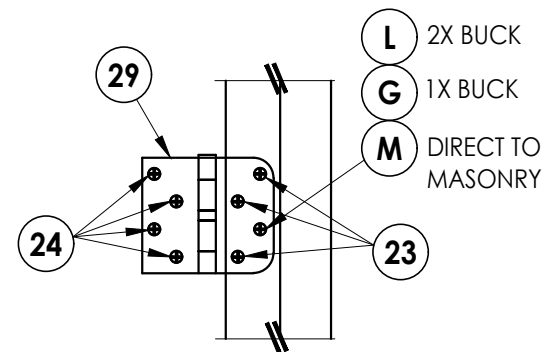


STRIKE JAMB

Latch and Deadbolt



HINGE JAMB



HINGE DETAIL

6	7/03/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
5	7/19/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
4	7/21/20	UPDATE TO 7th ED	(2020)	FBC	LFS
NO.	DATE				BY
REVISIONS					

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20461.12

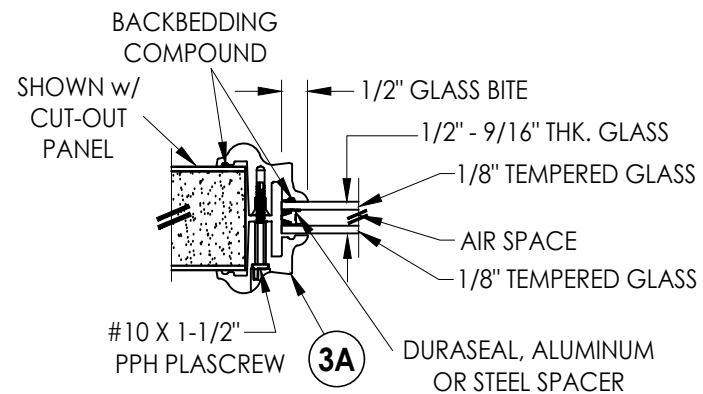
SHEET 9 OF 12

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

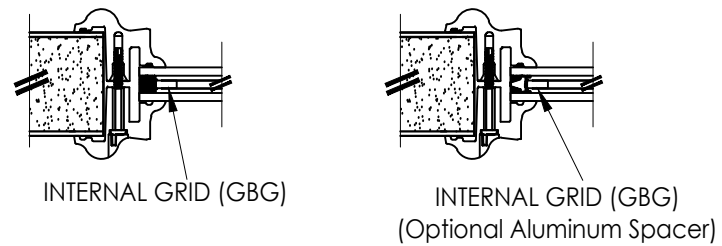
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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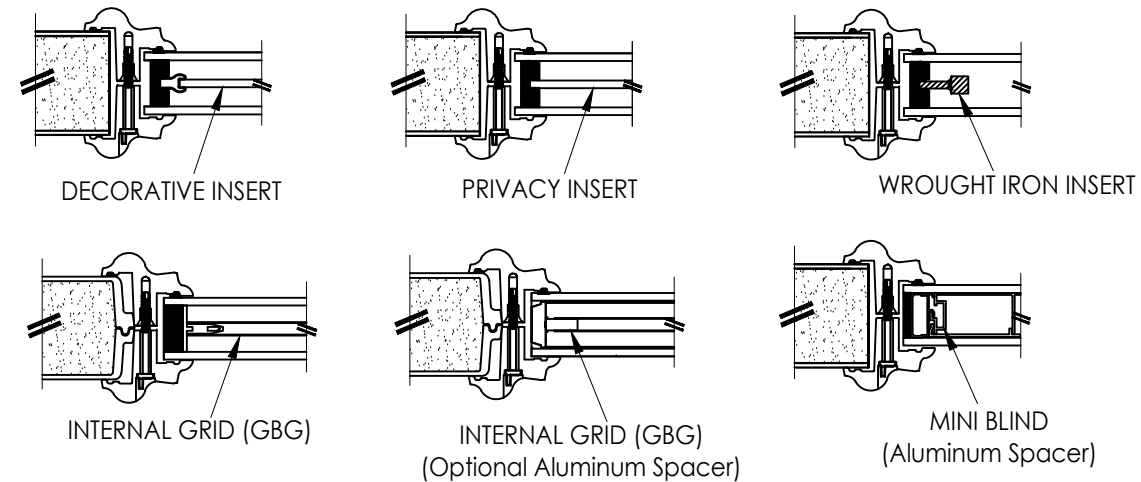
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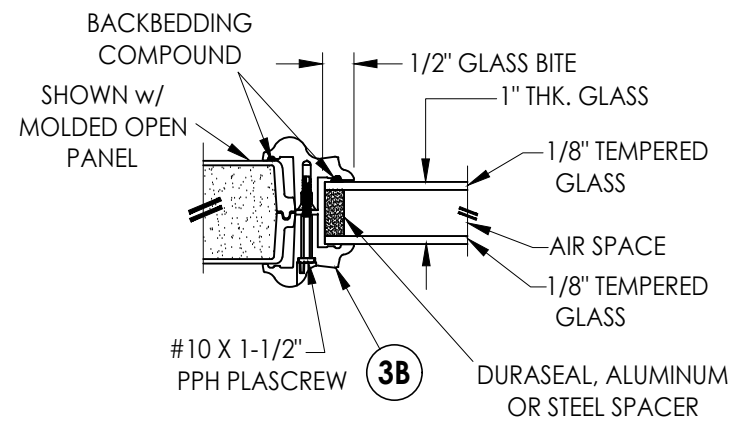
G1 GLAZING DETAIL
BTS Lite Frame
Door Panels & Sidelites



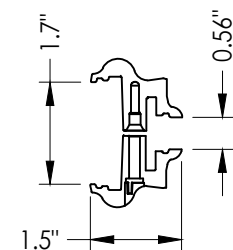
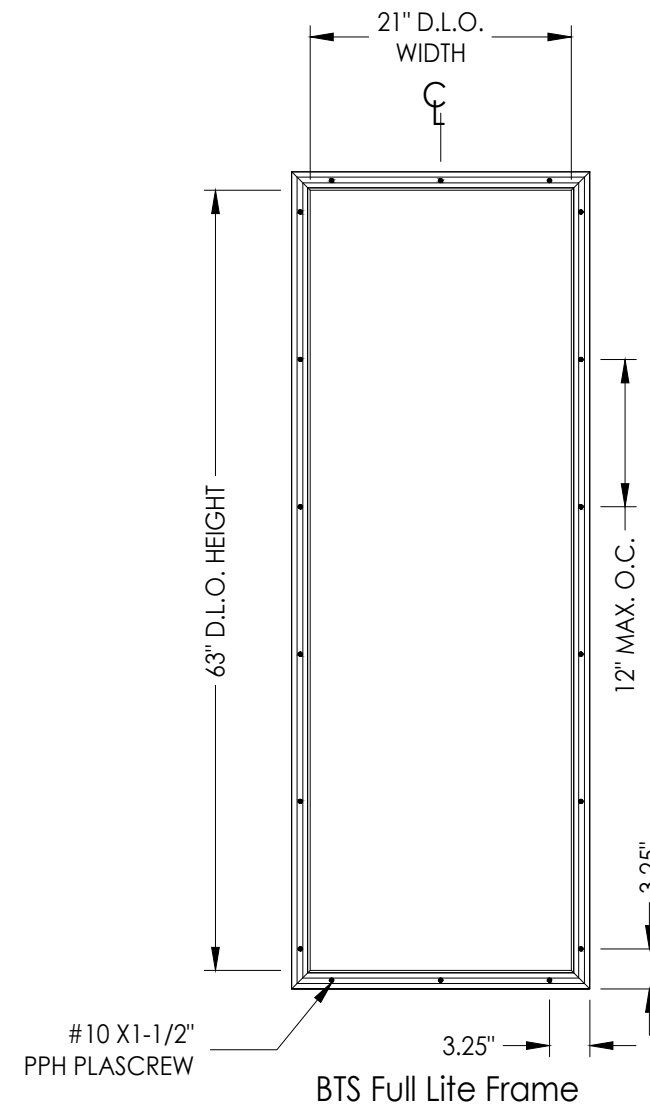
9/16" INSULATED GLASS INSERT OPTIONS



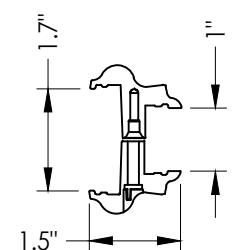
1" INSULATED GLASS INSERT OPTIONS



G2 GLAZING DETAIL
BTS Lite Frame
Door Panels & Sidelites



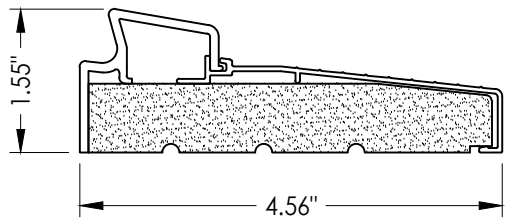
3A BTS LITE FRAME
1/2" & 9/16" Glazing



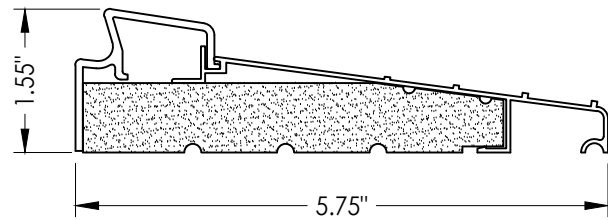
3B BTS LITE FRAME
1" Glazing

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	
		R ^W	
PRODUCT: THERMA-TRU FIBERGLASS DOOR	PART OR ASSEMBLY: GLAZING DETAILS		REVISIONS
		LFS	
	6 7/03/26	UPDATE TO 9TH ED. (2026) FBC	
	5 7/19/23	UPDATE TO 8TH ED. (2023) FBC	
	4 7/21/20	UPDATE TO 7th ED (2020) FBC	
	NO.	DATE	
DATE: 6/1/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20461.12			
SHEET 10 OF 12			

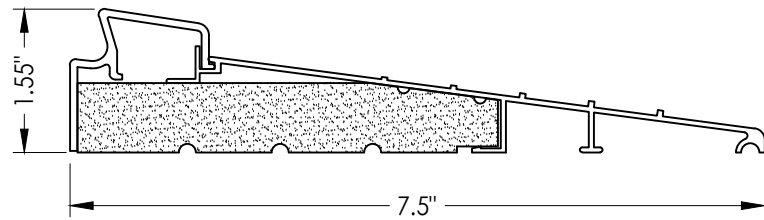
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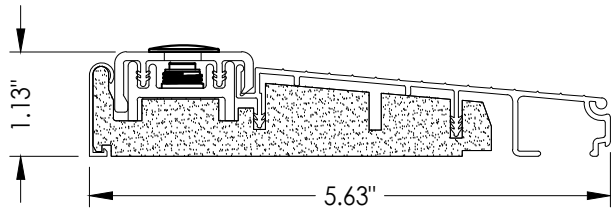
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



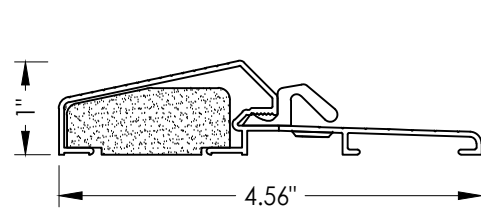
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



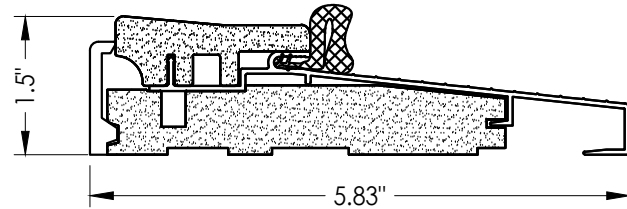
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



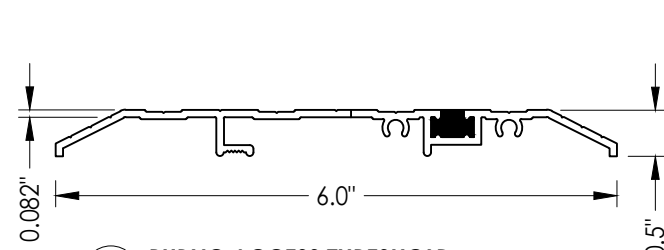
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



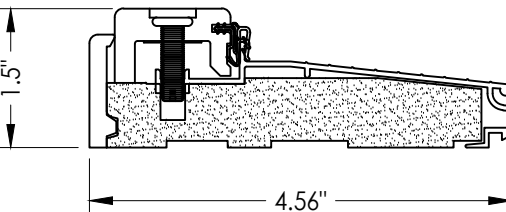
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



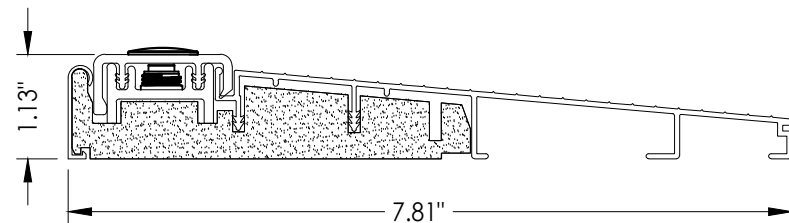
16 OUTSWING THRESHOLD
Composite / Aluminum Sill



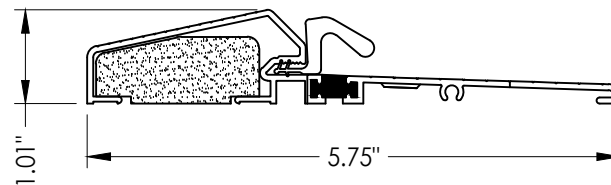
15 PUBLIC ACCESS THRESHOLD



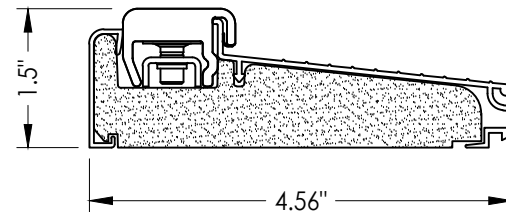
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



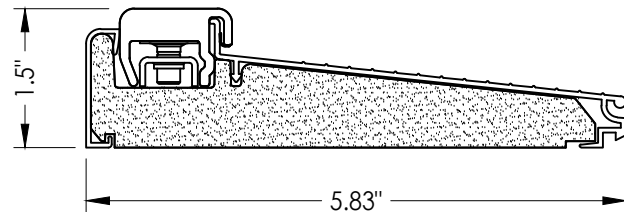
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



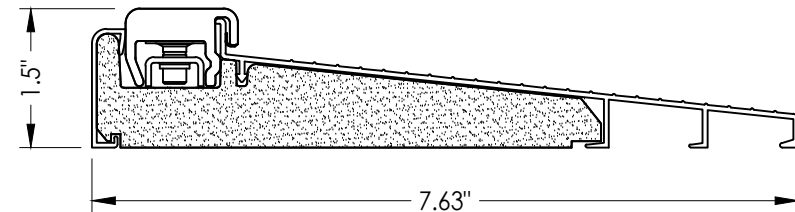
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



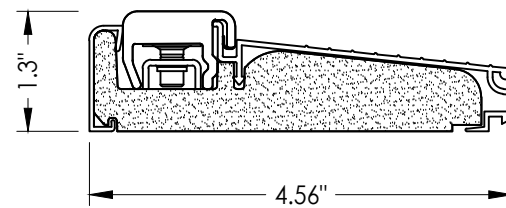
46 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



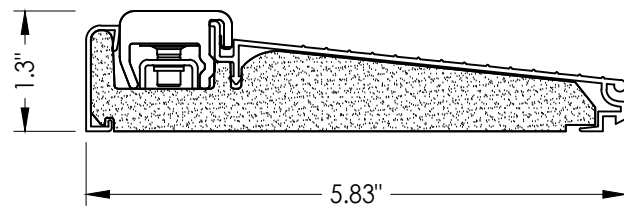
47 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



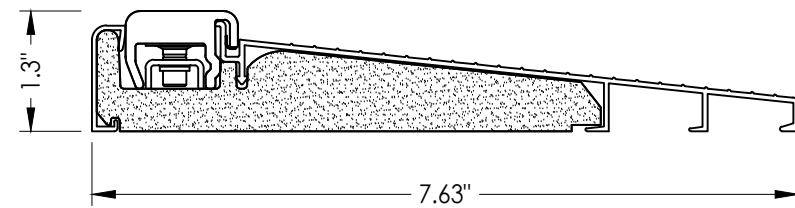
48 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



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
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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:

COMPONENTS

NO.	DATE	REVISIONS
6	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	7/19/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/21/20	UPDATE TO 7th ED (2020) FBC LFS

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20461.12

SHEET 11 OF 12

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 (STANDARD)	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28A	DEADBOLT STRIKE PLATE	STEEL
			28B	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	29	4" X 4" HINGE	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	33	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	34	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	35	INSWING THRESHOLD	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	36	INSWING THRESHOLD	ALUM/COMP
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	37	INSWING THRESHOLD	ALUM/COMP
7	WEATHERSTRIP (LONG REACH)	FOAM	38	INSWING THRESHOLD	ALUM/COMP
8	SWEEP	VINYL	39	INSWING THRESHOLD	ALUM/COMP
9	SWEEP (USE w/ INSWING BASIC FIXED SILL)	VINYL	40	DOOR PANEL (BOOK)	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	41	DOOR PANEL (HYBRID)	-
15	PUBLIC ACCESS THRESHOLD	ALUM	42	DOOR PANEL (U1)	-
16	OUTSWING THRESHOLD	ALUM/COMP	46	INSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP	47	INSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP	48	INSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL	49	INSWING THRESHOLD	ALUM/COMP
23	#10 x 3/4" PFH WOOD SCREW	STEEL	50	INSWING THRESHOLD	ALUM/COMP
24	#10 x 1" PFH WOOD SCREW	STEEL	51	INSWING THRESHOLD	ALUM/COMP

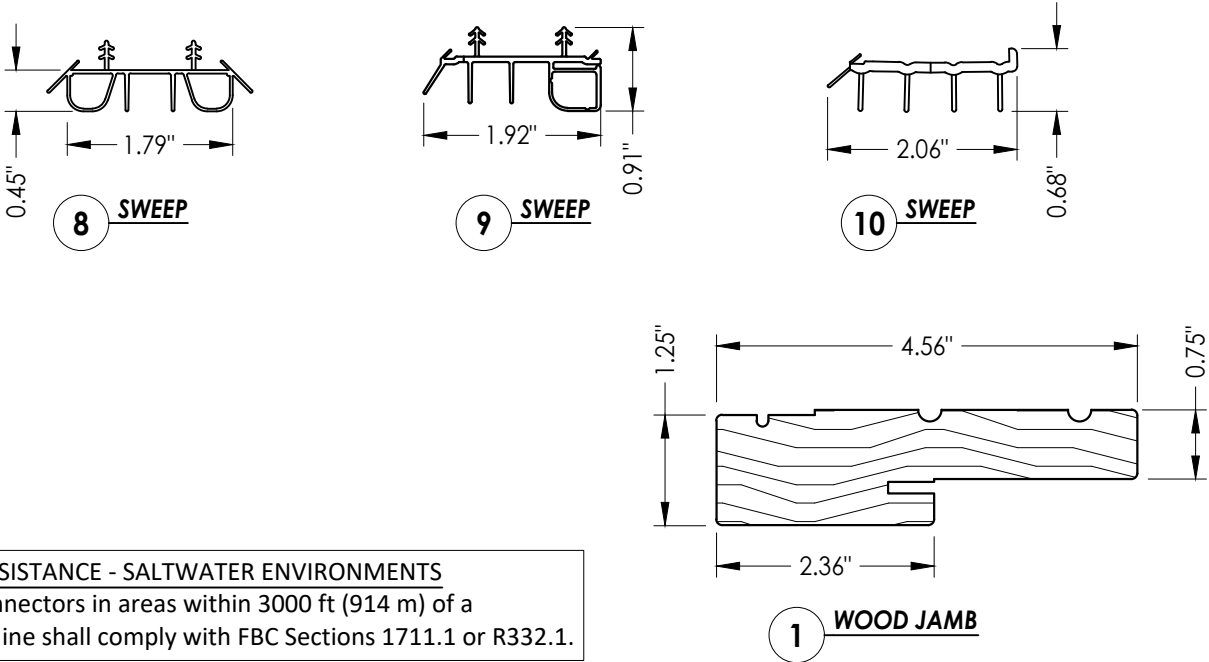
CONCRETE ANCHOR NOTES:

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.



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.

[illegible]