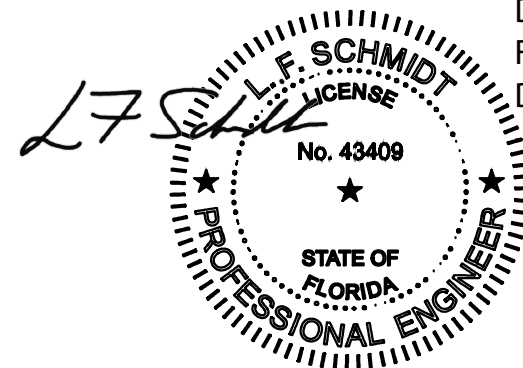




GENERAL NOTES

1. This product evaluation drawing has been developed in compliance with the 9th Edition (2026) Florida Building Code (FBC) including 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 the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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 includes Wind Zone 4 as defined in ASTM E 1996.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets the water infiltration requirements for the "HVHZ".
8. Outswing configurations using Coastal Sill (item #19) & Composite Sill (item #16) under active doors meet water infiltration requirements for "HVHZ". All other configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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

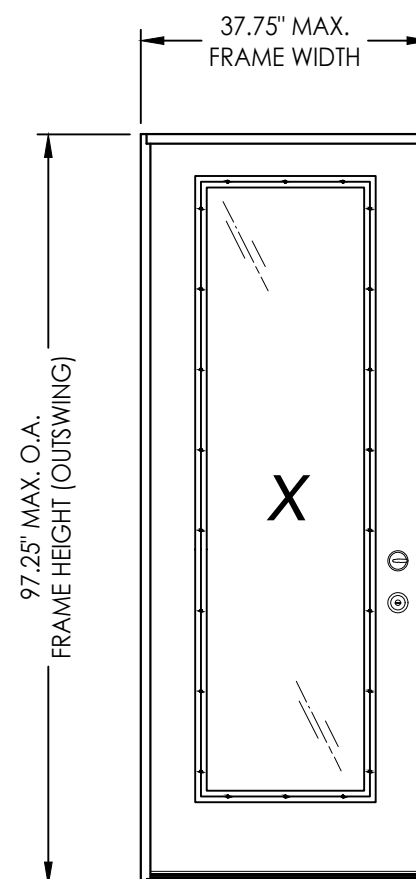


Digitally signed by Lyndon
F Schmidt
Date: 2026.08.10 08:21:10
+04'00'

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

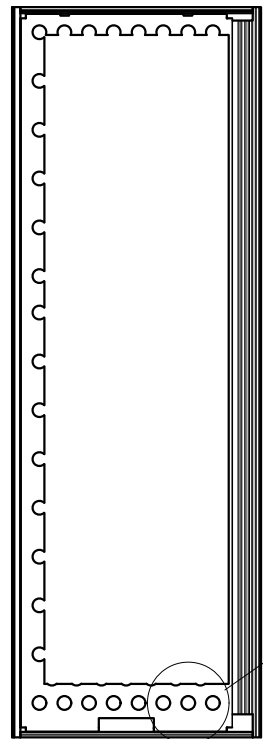


CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE
X	Latch & Deadbolt	+45.0	-45.0
X	Multipoint	+55.0	-55.0

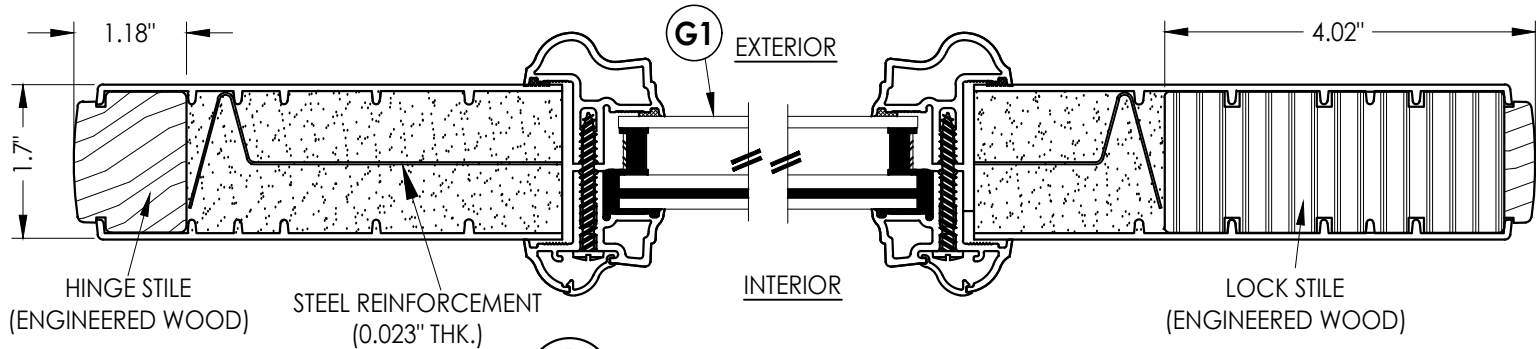
See Sheet 3 for Hardware Specifications

[illegible]

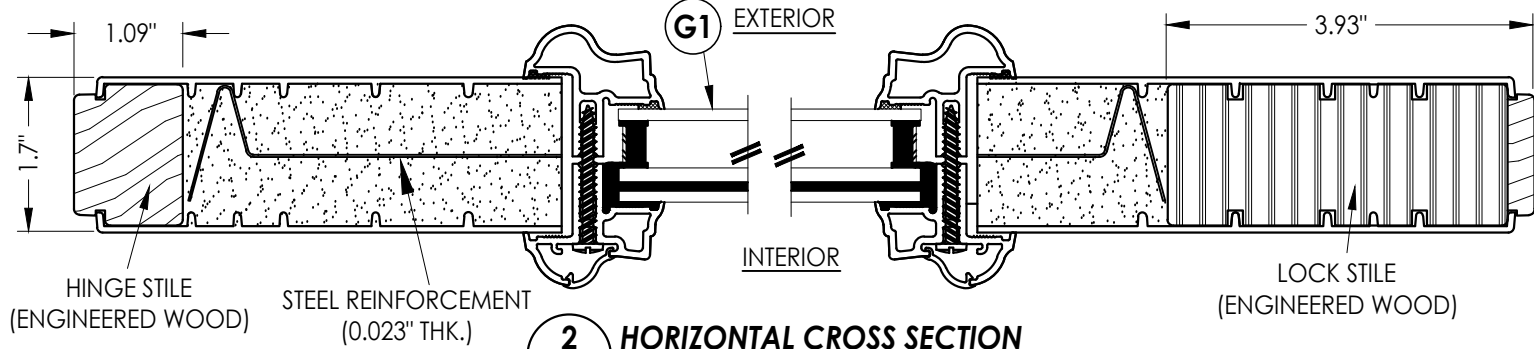
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DETAIL A-A
PANEL REINFORCEMENT
(0.023\"/>

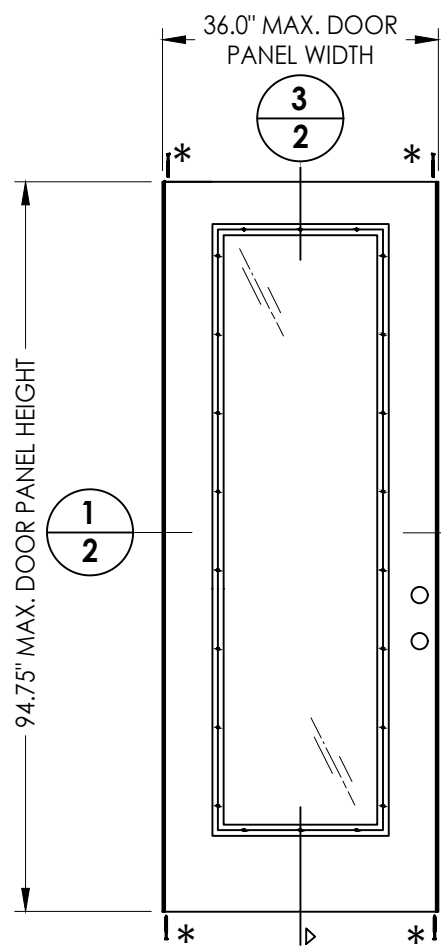


1 2 HORIZONTAL CROSS SECTION

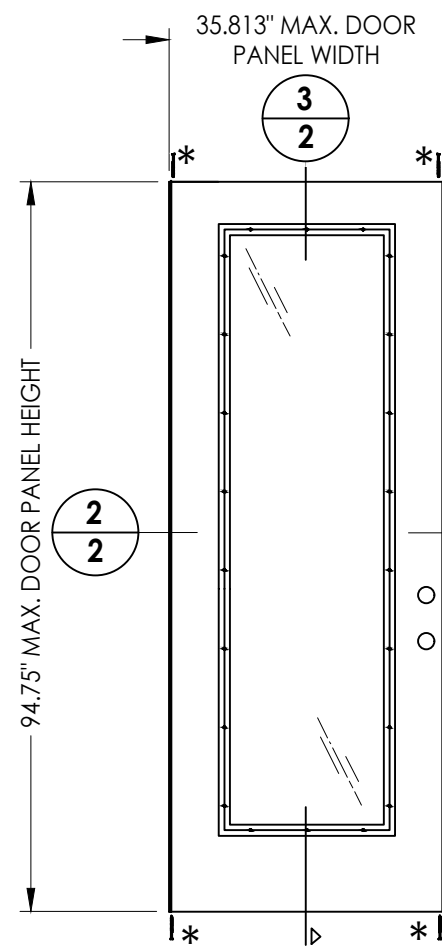


2 2 HORIZONTAL CROSS SECTION

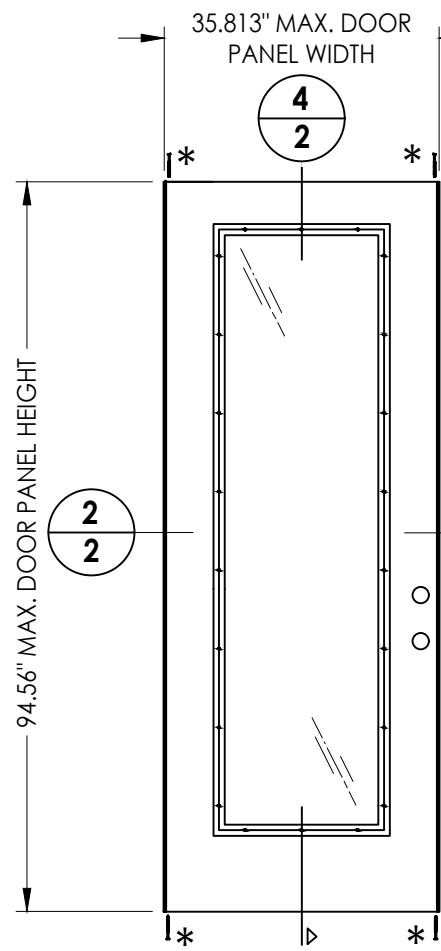
* #8 X 2.5\"/>



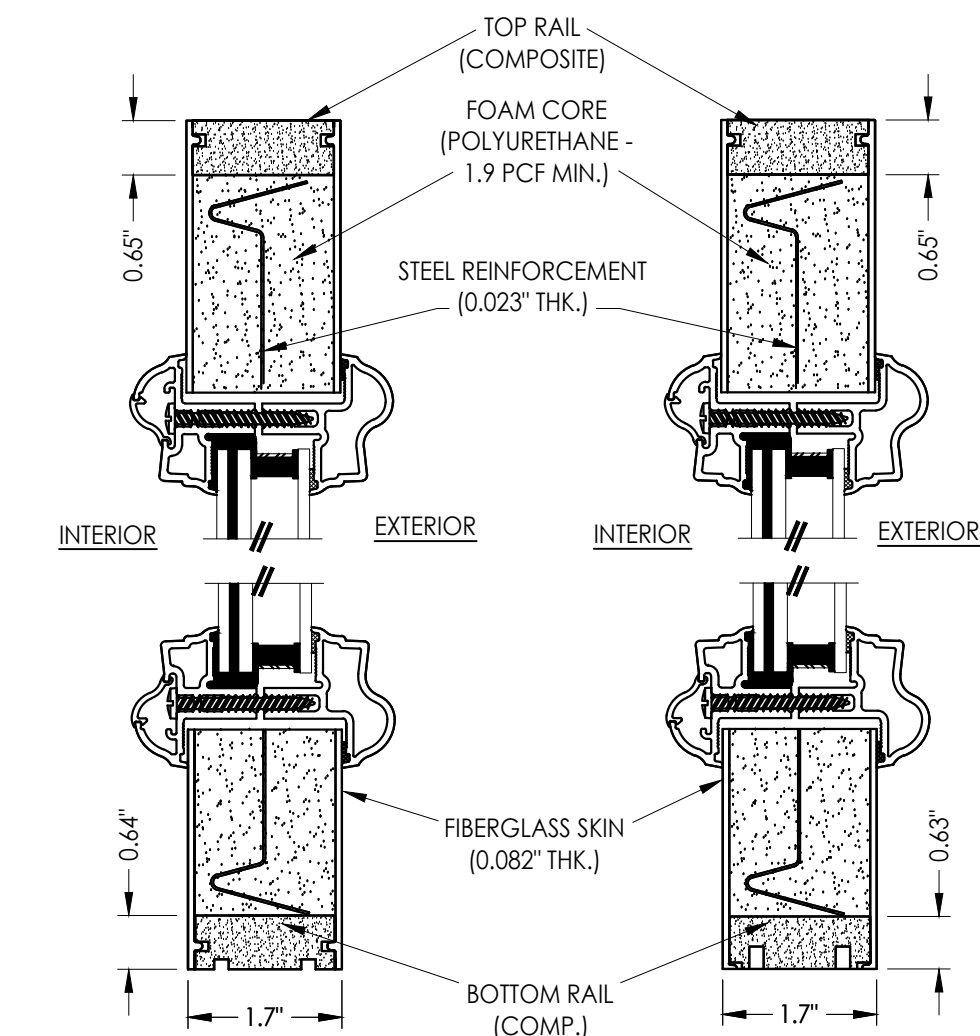
40 DOOR PANEL
BOOK



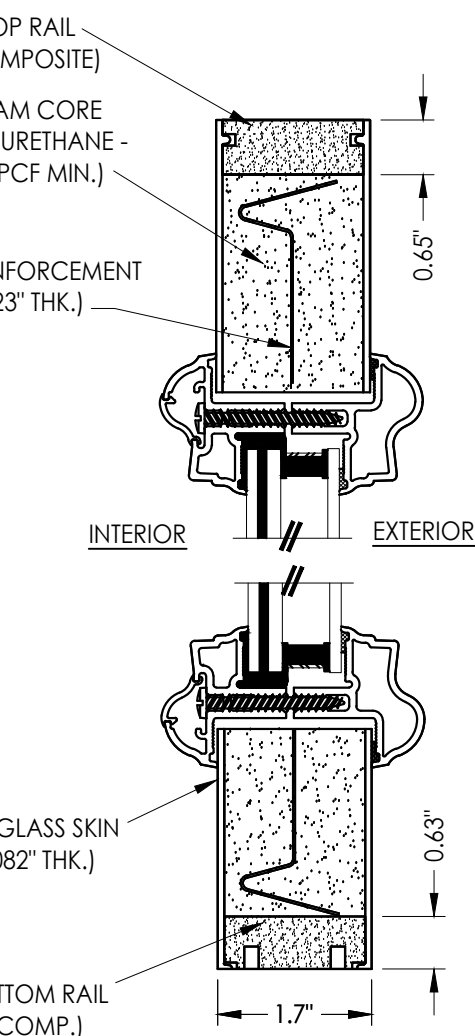
41 DOOR PANEL
Hybrid Door



42 DOOR PANEL
U1 Door



3 2 VERTICAL CROSS SECTION



4 2 VERTICAL CROSS SECTION

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 08/12/19

SCALE: N.T.S.

DWG. BY: JK

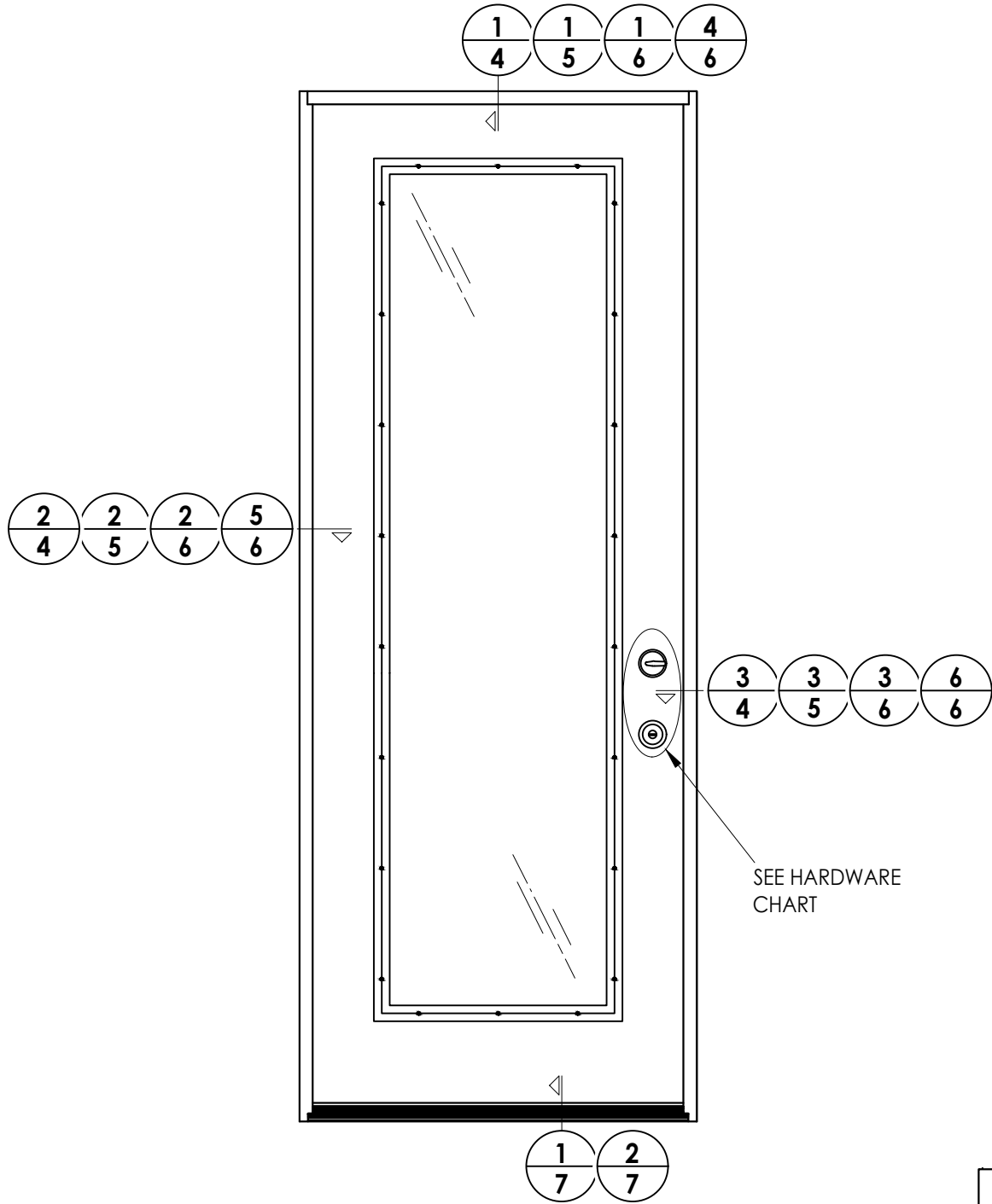
CHK. BY: LFS

DRAWING NO.: FL-30077.10

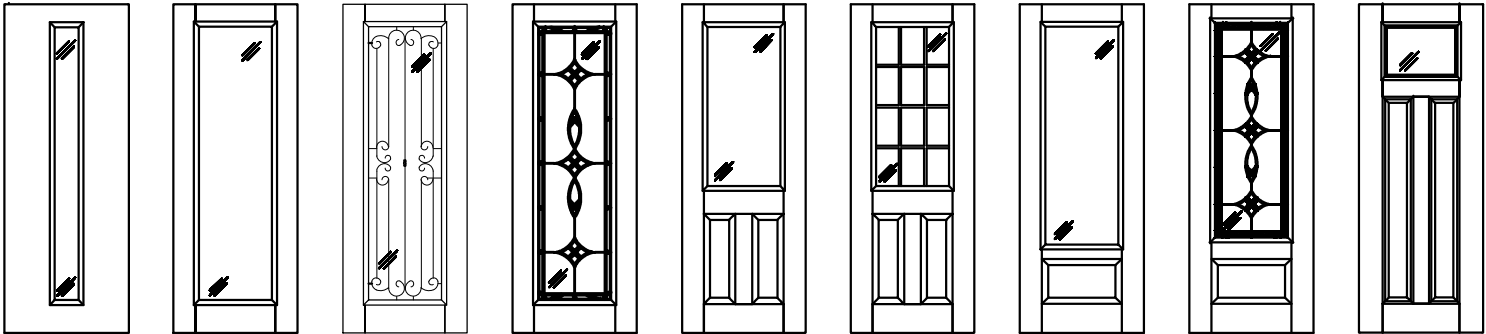
SHEET 2 OF 12

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Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Therma-Tru\FL-30077 R3\FL-30077.10-12.dwg



HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGART (3 pt. Manual Tongue)	



Fiber-Classic/Smooth-Star Door Panel Options

Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

DATE: 08/12/19

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-30077.10

SHEET 3 of 12

37/01/26UPDATE TO 9TH ED. (2026) FBC

28/17/23UPDATE TO 8TH ED. (2023) FBC

17/15/20UPDATE TO 7th ED (2020) FBC

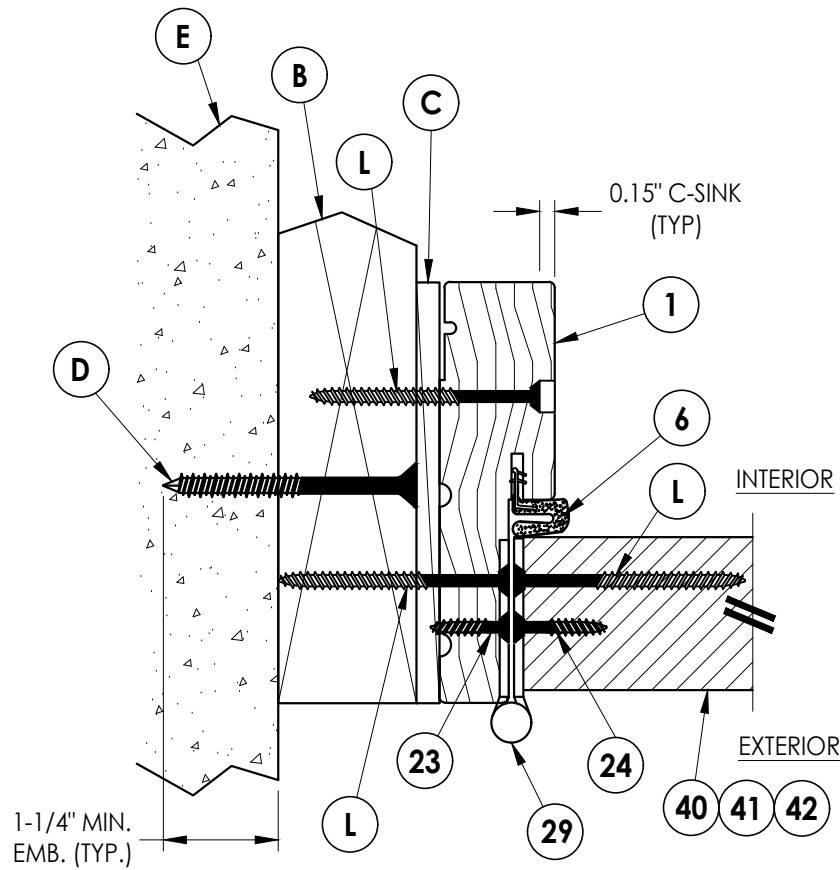
NO. DATE

REVISIONS

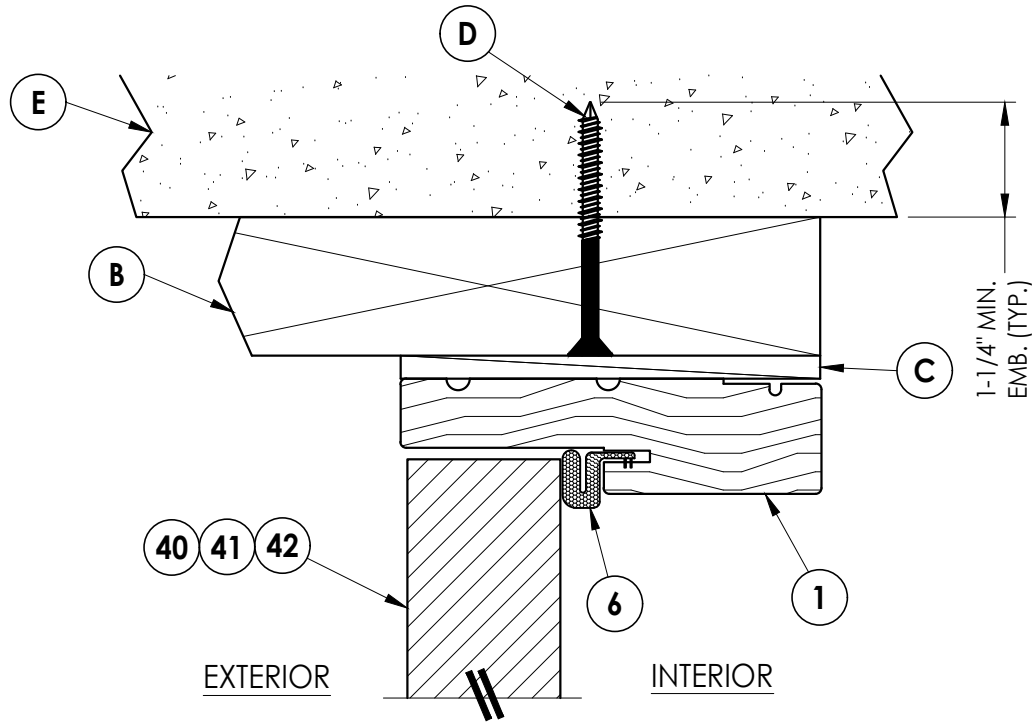
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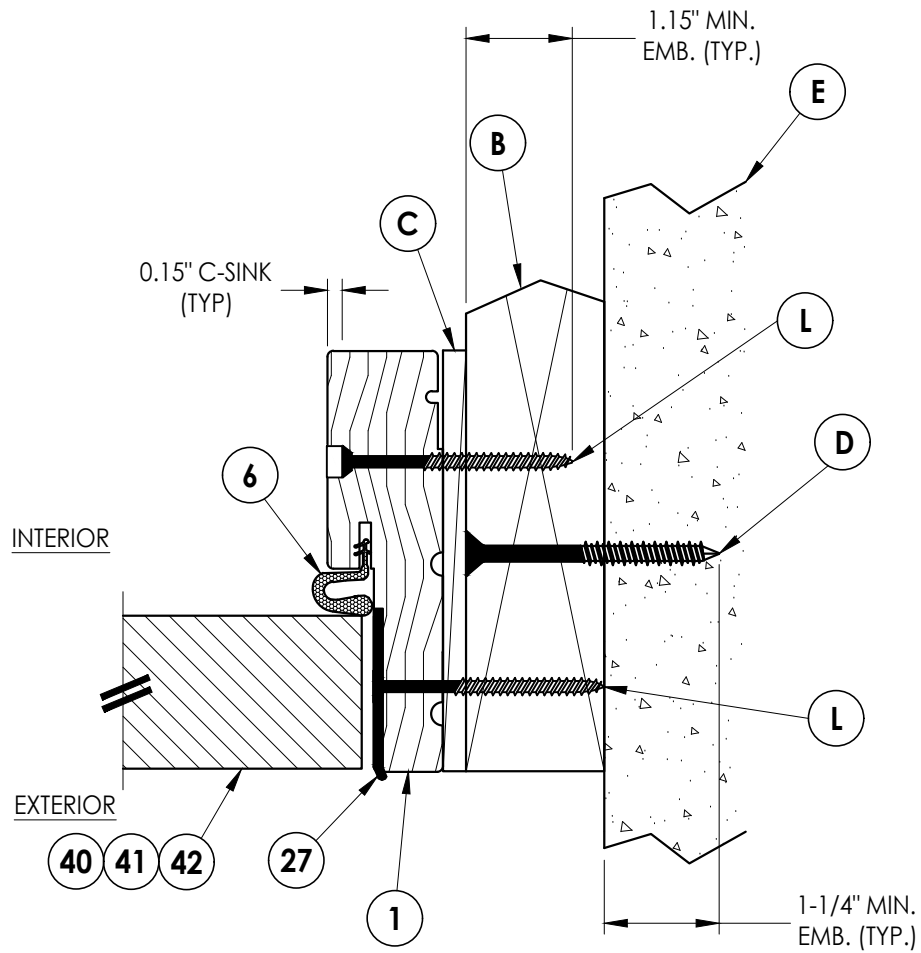
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2 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck



1 VERTICAL CROSS SECTION
4 Shown w/ 2X Buck



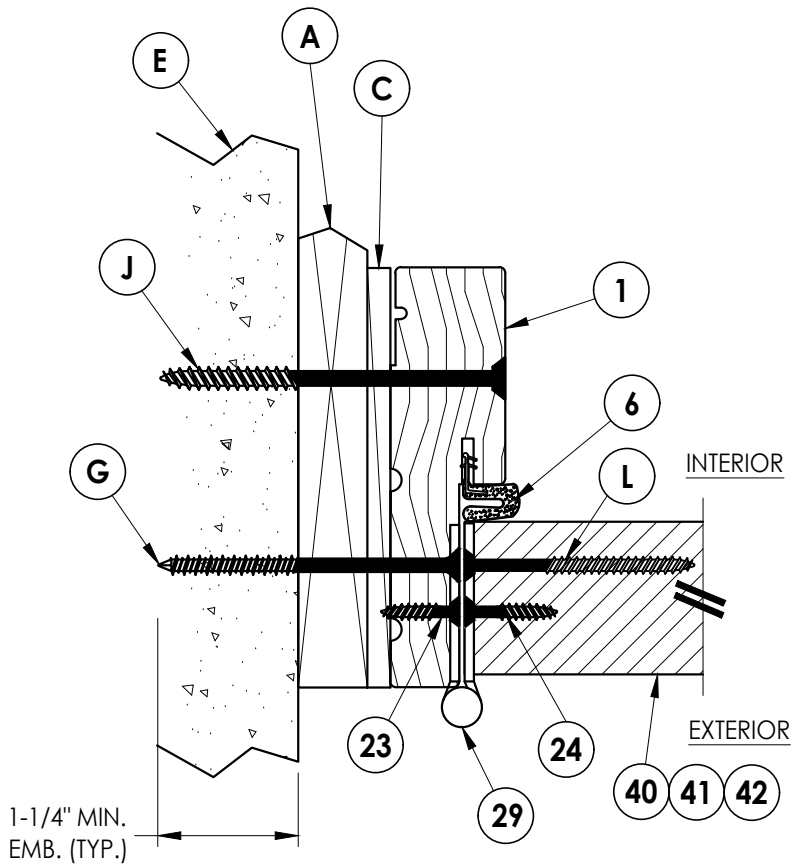
3 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC	PO
DATE: 08/12/19			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-30077.10			
SHEET 4 OF 12			

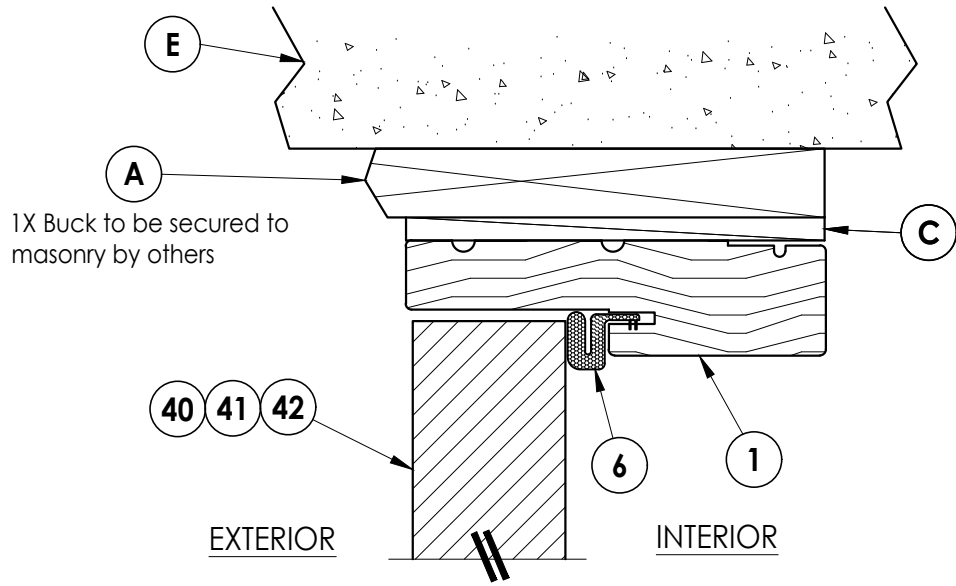
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

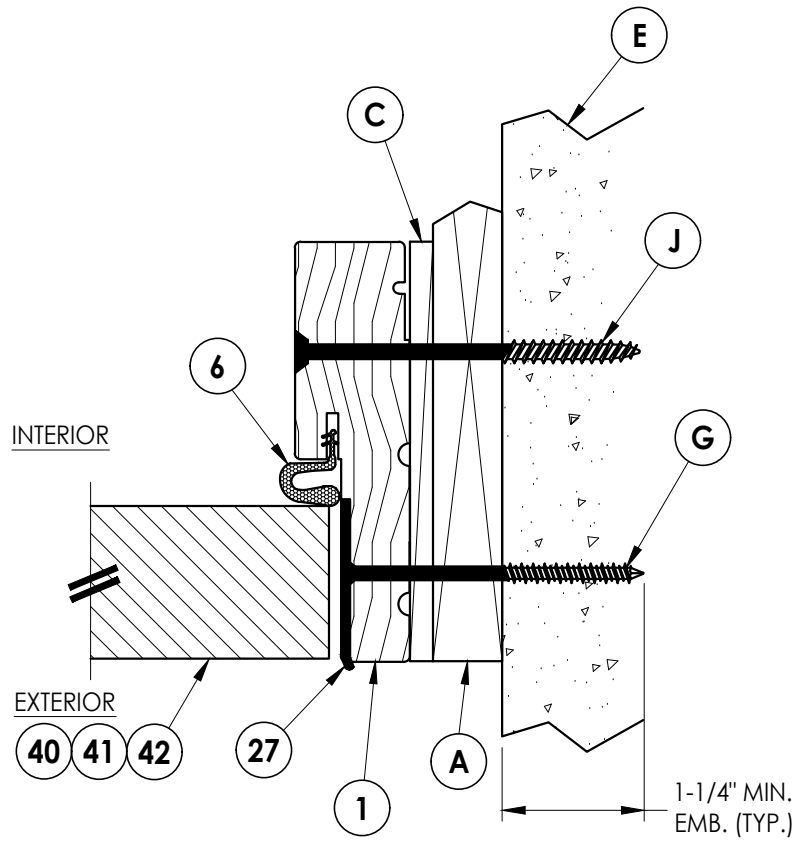
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2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 1X sub-buck



1 **VERTICAL CROSS SECTION**
5 Shown w/ 1X sub-buck



3 **HORIZONTAL CROSS SECTION**
5 Shown w/ 1X sub-buck

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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 (1X BUCK)

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 08/12/19

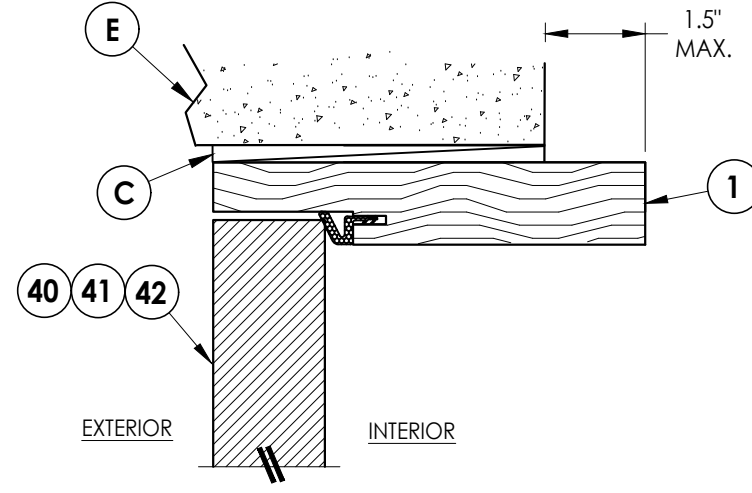
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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-30077.10

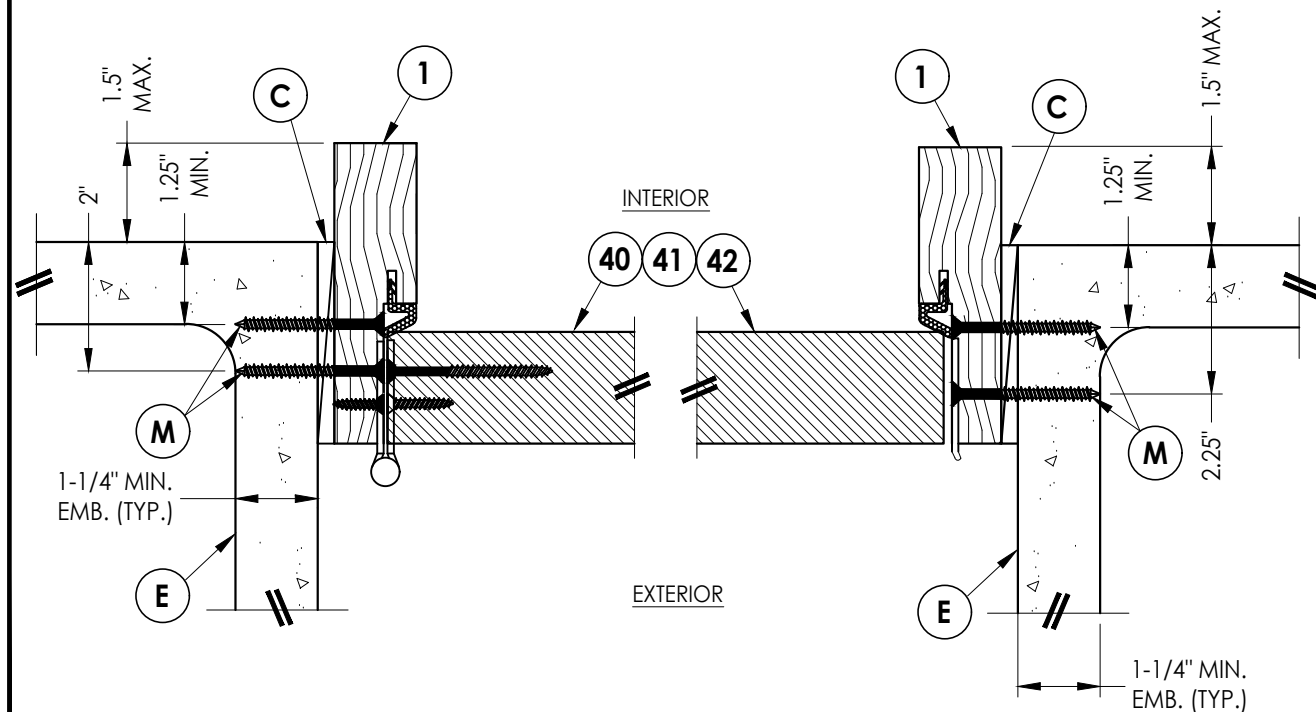
SHEET 5 OF 12



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

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

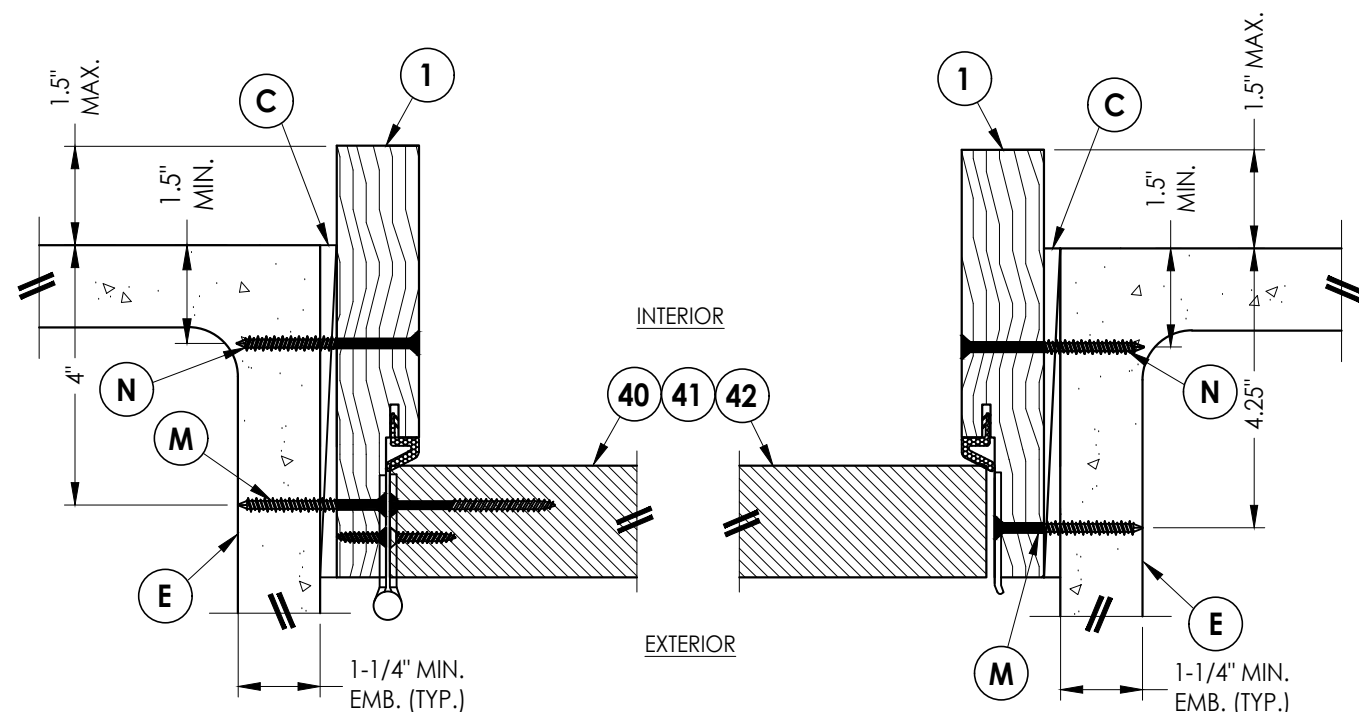
DIRECT TO MASONRY MAX. DESIGN PRESSURE:
w/ STANDARD STRIKE = ± 47 PSF
w/ SECURITY STRIKE = ± 55 PSF



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

3 6 **HORIZONTAL CROSS SECTION**

Shown Direct to Masonry
w/ 4-9/16" jamb



5 **HORIZONTAL CROSS SECTION**

6 Shown Direct to Masonry
w/ 6-9/16" jamb

6 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
w/ 6-9/16" jamb

[illegible]

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

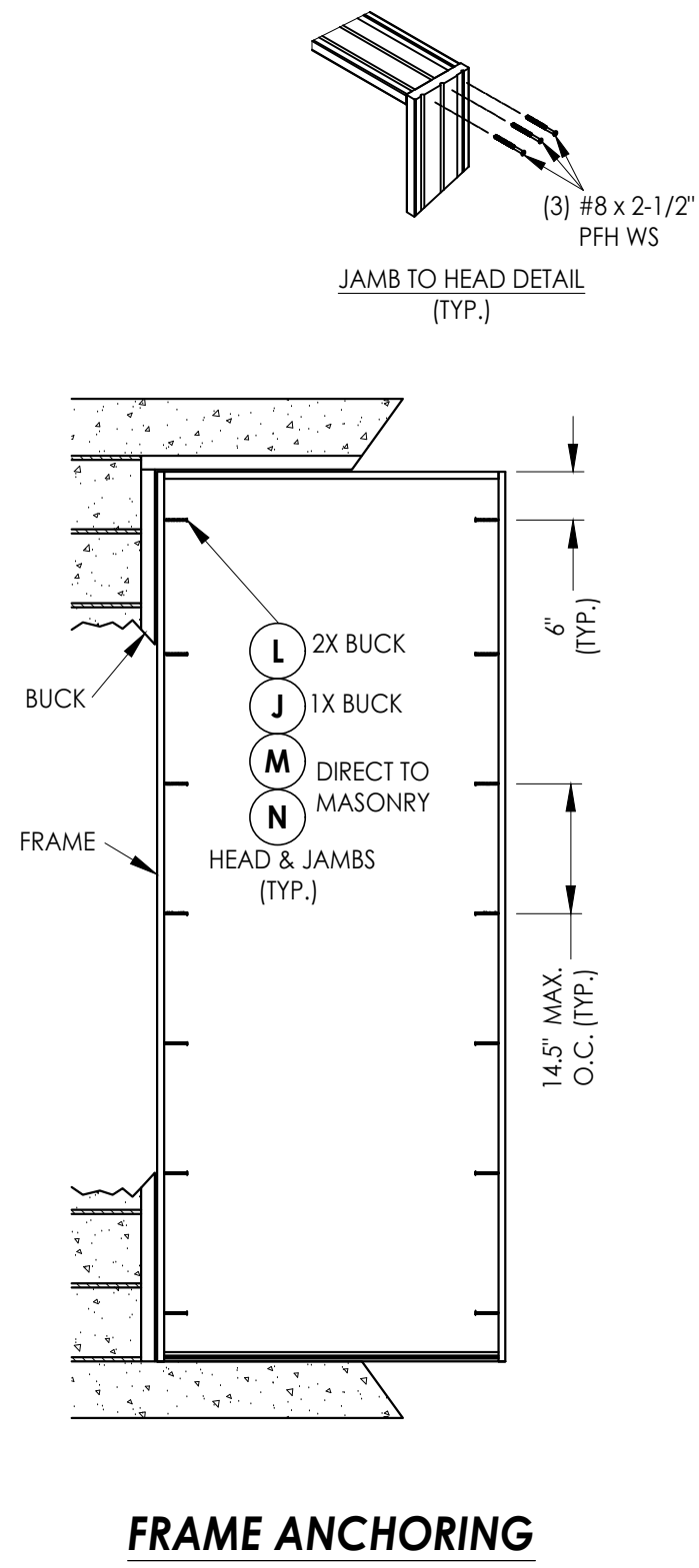
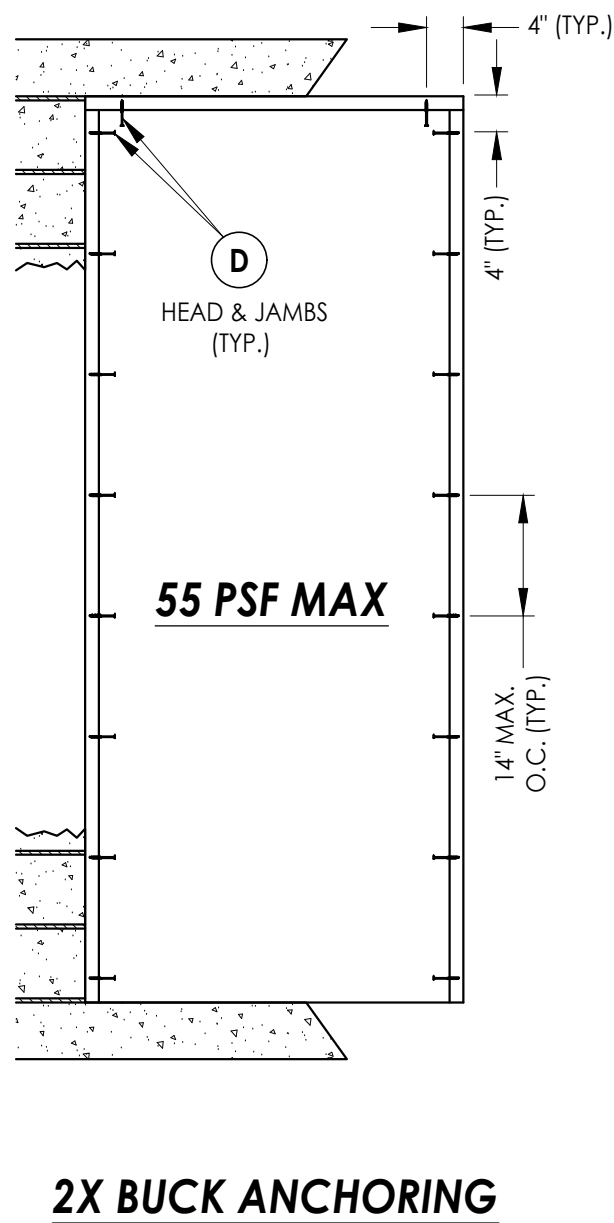
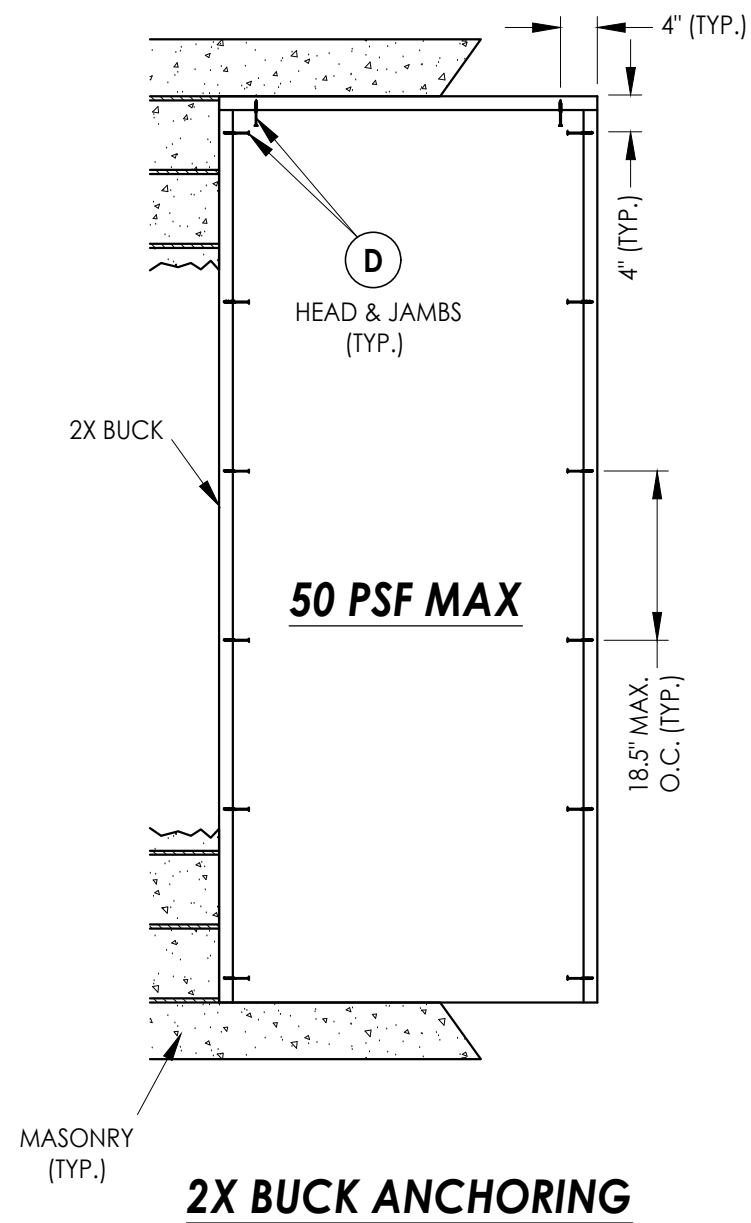


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2	8/17/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS				
1	7/15/20	UPDATE TO 7th ED	(2020)	FBC	PO				
NO.	DATE				BY				
					REVISIONS				
DATE: 08/12/19									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-30077.10									
SHEET 7 OF 12									

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

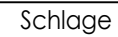
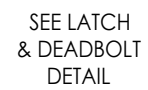
PRODUCT: THERMA-TRU FIBERGLASS DOOR	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)
--	---



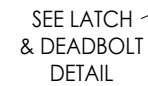
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CHK. BY:	<u>LFS</u>
DRAWING NO.:	<u>FL-30077.10</u>
SHEET	<u>8</u> OF <u>12</u>

Documents Prepared By:
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P.E. No. 43409

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



DEADBOLT STRIKE DETAILS (Security Deadbolt Strike Plate)



MULTIPOINT LOCK STRIKE DETAILS

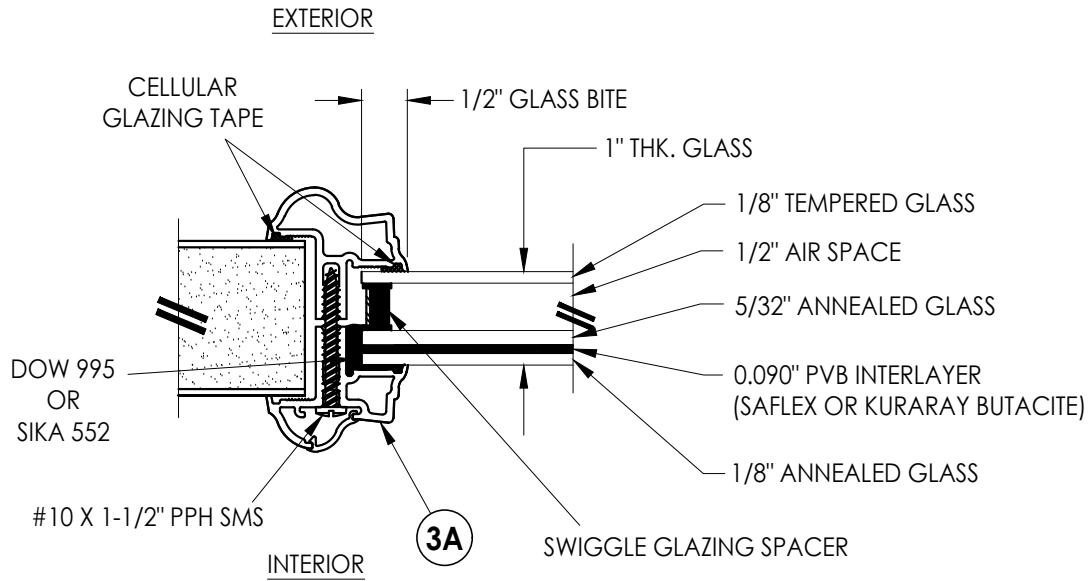
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CHK. BY:	LFS
DRAWING NO.:	FL-30077.10
SHEET	9 OF 12

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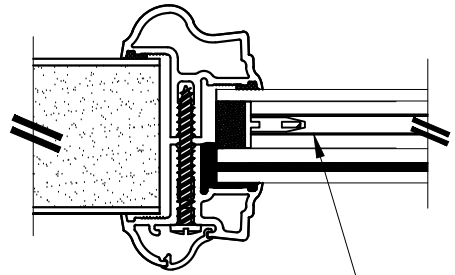
Documents Prepared By:
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P.E. No. 43409

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

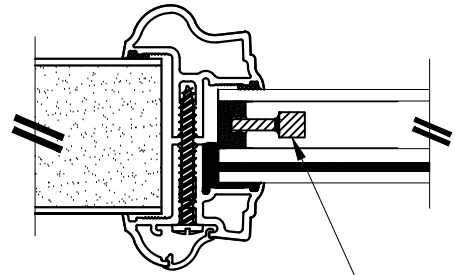
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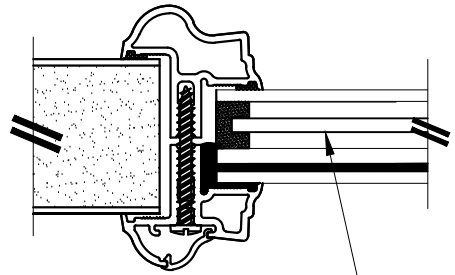
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



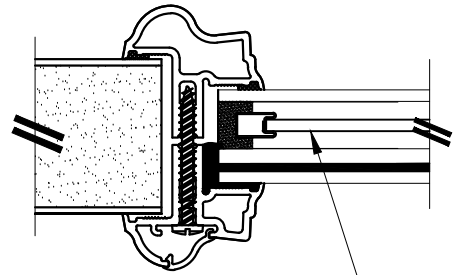
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

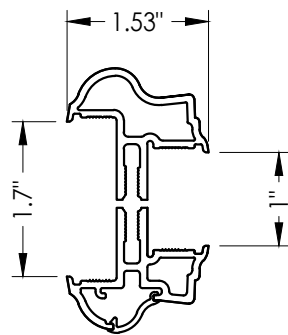


PRIVACY INSERT

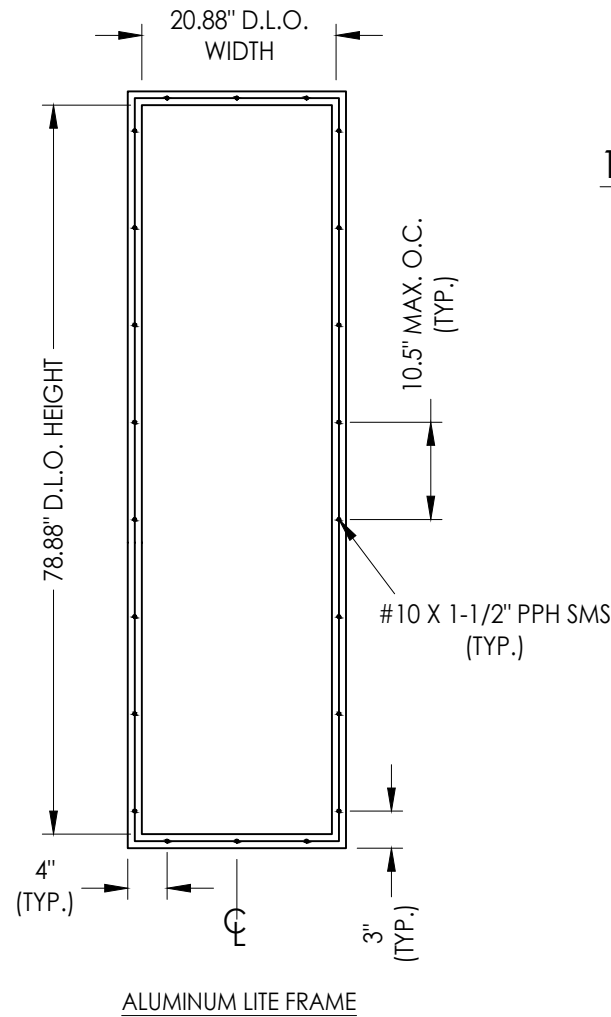


DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels & Sidelites



Documents Prepared By:
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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:
GLAZING DETAILS

NO.	DATE	REVISIONS			
		DESCRIPTION	DATE	BY	CHK.
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	PO	

DATE: 08/12/19

SCALE: N.T.S.

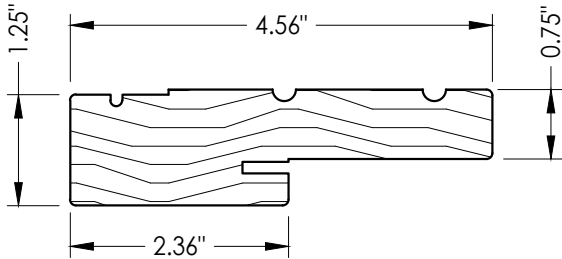
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CHK. BY: LFS

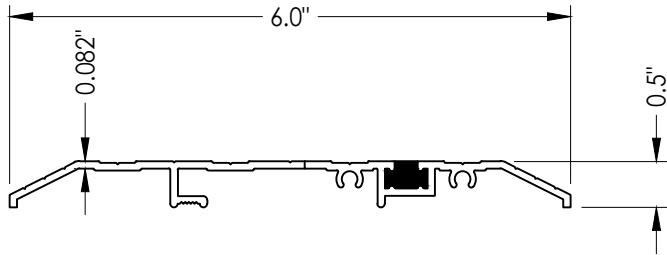
DRAWING NO.:
FL-30077.10

SHEET 10 OF 12

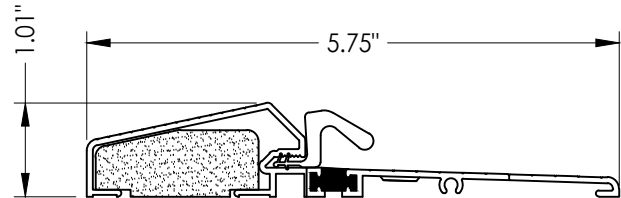
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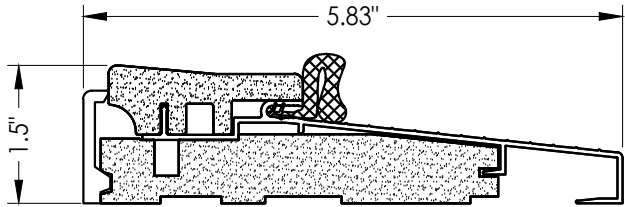
1 WOOD JAMB



15 PUBLIC ACCESS THRESHOLD

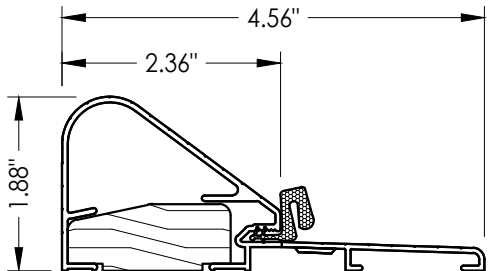


18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)

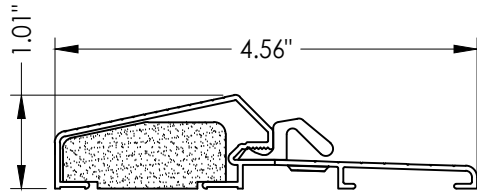


16 OUTSWING THRESHOLD
Composite Sill

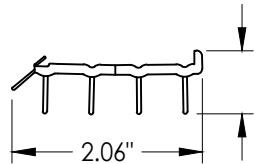
MAX. +55 PSF
(where water infiltration is required)



19 COASTAL OUTSWING THRESHOLD
Wood / Aluminum Sill



17 OUTSWING THRESHOLD
Composite / Aluminum Sill



10 SWEEP

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC PO

DATE:	08/12/19
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-30077.10
SHEET	11 OF 12

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	COMPONENTS

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
---	--

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 SUB 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	30	LATCH & DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	31	MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)	STEEL
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)	-
6	WEATHERSTRIP (MEDIUM REACH)	FOAM			
7	WEATHERSTRIP (LONG REACH)	FOAM			
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	COASTAL OUTSWING THRESHOLD	ALUM/WOOD			
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.

DATE: 08/12/19		PRODUCT:		THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY:		BILL OF MATERIALS		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK		NO.		DATE		REVISIONS	
CHK. BY: LFS		3		7/01/26		UPDATE TO 9TH ED. (2026) FBC LFS	
DRAWING NO.: FL-30077.10		2		8/17/23		UPDATE TO 8TH ED. (2023) FBC LFS	
SHEET 12 OF 12		1		7/15/20		UPDATE TO 7th ED (2020) FBC PO	
						BY	