



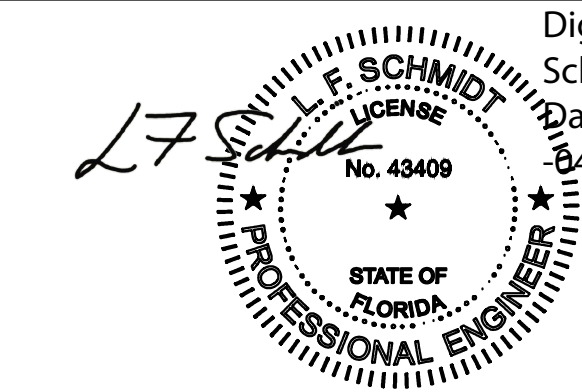
Fiber-Classic® & Smooth-Star®

WOOD OR COMPOSITE EDGE
MULTI-LITE GLAZED FIBERGLASS SINGLE DOOR
INSWING/OUTSWING
"IMPACT"

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 #36) 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.

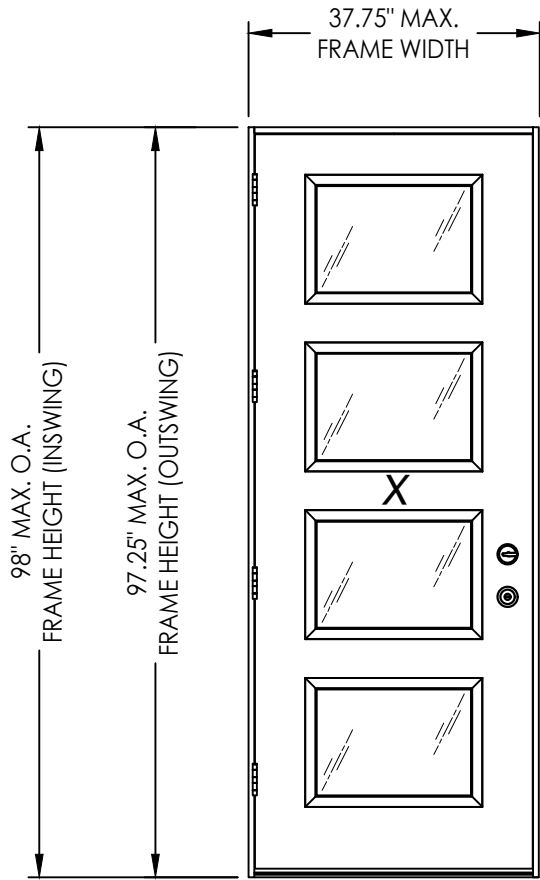
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET#	
1	Typical Elevations, Design Pressures & General Notes	7	Vertical Cross Sections (Thresholds)
2	Door Panel Details	8	Buck & Frame Anchoring
3	Elevations	9	Hardware Details
4	Horizontal & Vertical Cross Sections (2X Buck)	10	Glazing Details
5	Horizontal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



Digitally signed by Lyndon F Schmidt
Date: 2026.08.10 09:41:13
-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) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Latch & Deadbolt	+50.0	-55.0	+55.0	-55.0
X	Multi-point	+55.0	-55.0	+55.0	-55.0

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

THERMA-TRU
FIBERGLASS DOOR

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

4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
3	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS	LFS
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS
NO.	DATE			BY

REVISIONS

DATE: 5/19/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-30482.7

SHEET 1 OF 11

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

A cross-sectional diagram of a hinge stile and steel reinforcement. The diagram shows a horizontal section of a door or window frame. On the left, a vertical section labeled "HINGE STILE (ENGINEERED WOOD)" is shown with a width of 1.2" and a height of 1.7". To the right of the hinge stile is a section of "STEEL REINFORCEMENT (0.023" THK.)" which is a horizontal bar with a wavy profile. The reinforcement is embedded in a material represented by a stippled pattern. Arrows point from the labels to their respective parts in the diagram.

EXTERIOR

INTERIOR

4.1"

LOCK STILE
(ENGINEERED WOOD)

A detailed cross-section diagram of a composite cap and hinge stile assembly. The diagram shows a hinge stile (engineered wood) with a composite cap. The cap has a total thickness of 1.7 inches. The hinge stile is 0.4 inches thick. The cap is 0.7 inches wide. The cap is made of composite material with steel reinforcement (0.023 inches thick). The hinge stile is made of engineered wood. The diagram is labeled with dimensions and material names.

WOOD EDGE

0.4"

0.7"

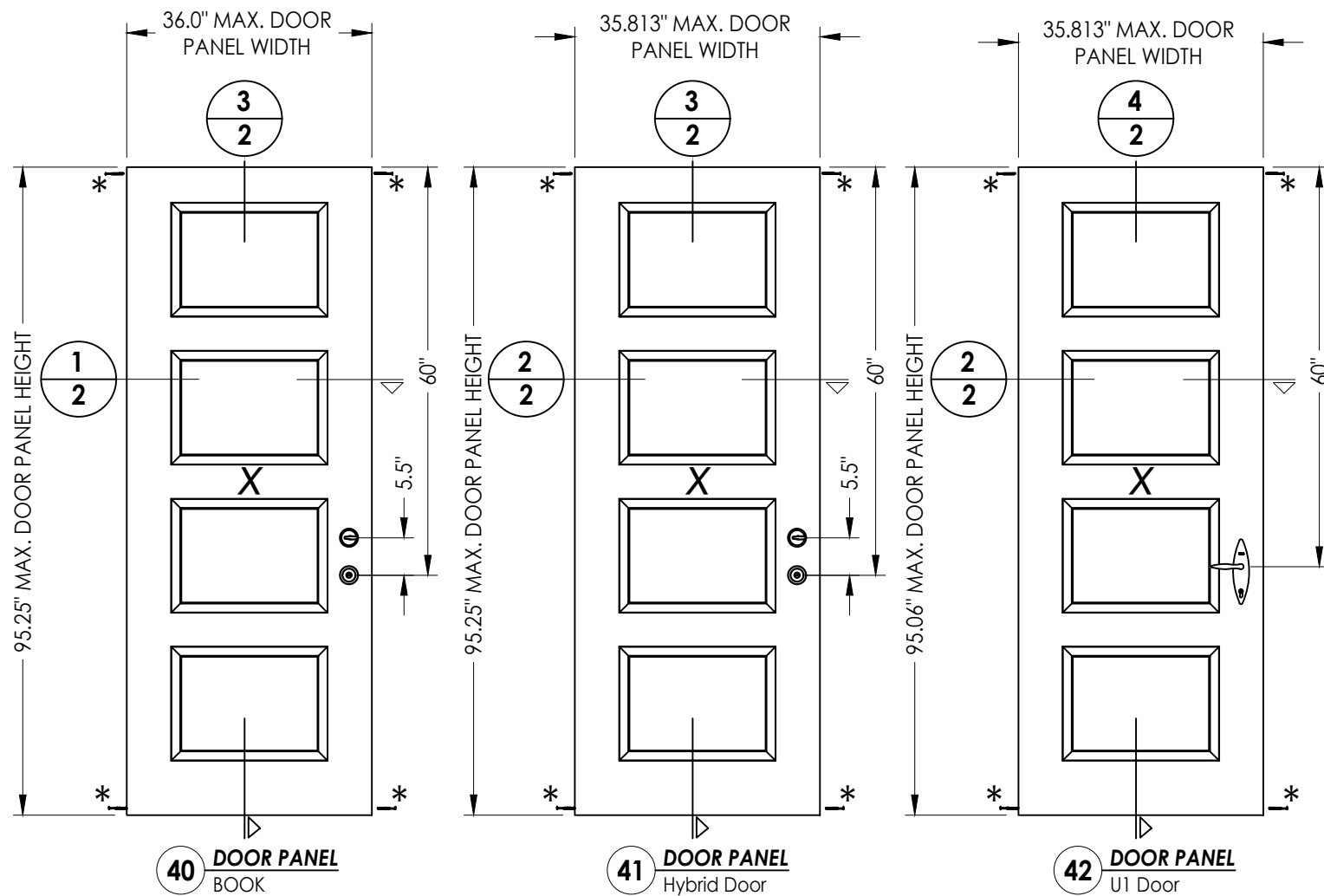
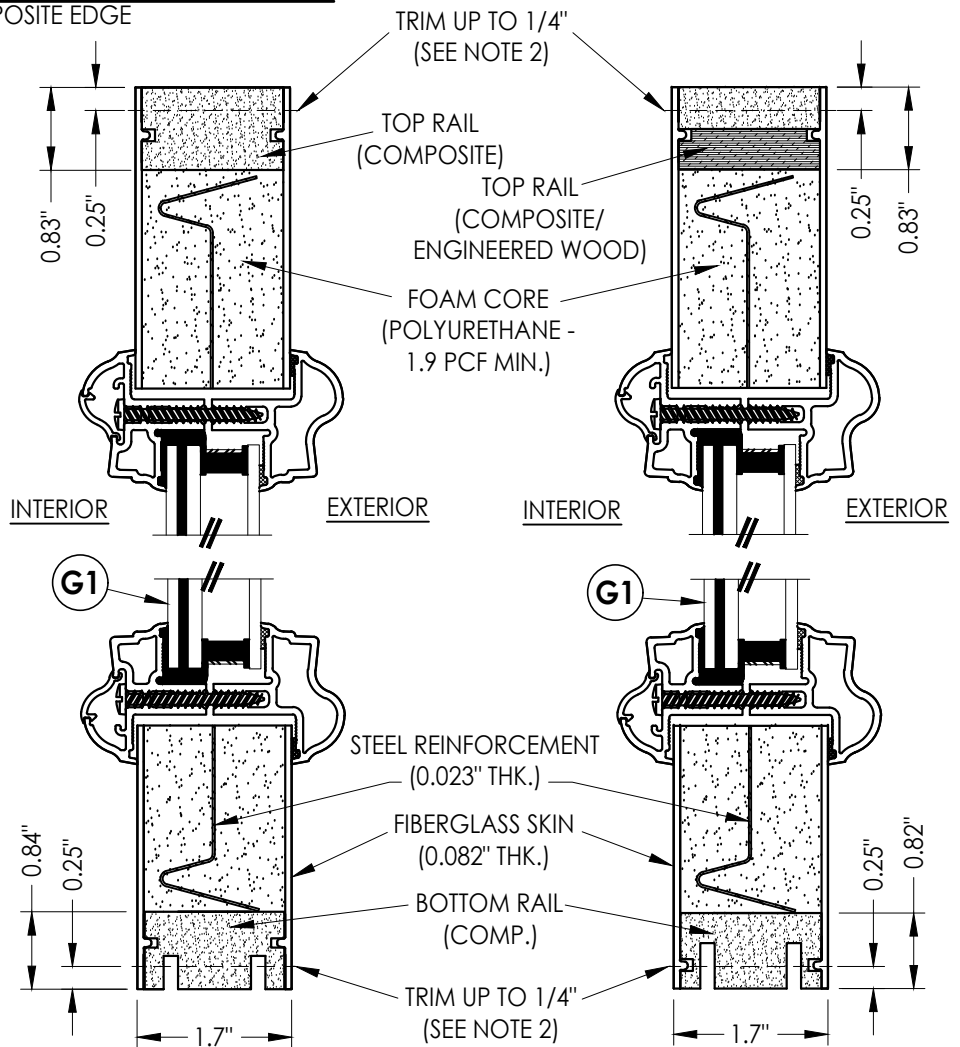
1.7"

COMPOSITE CAP

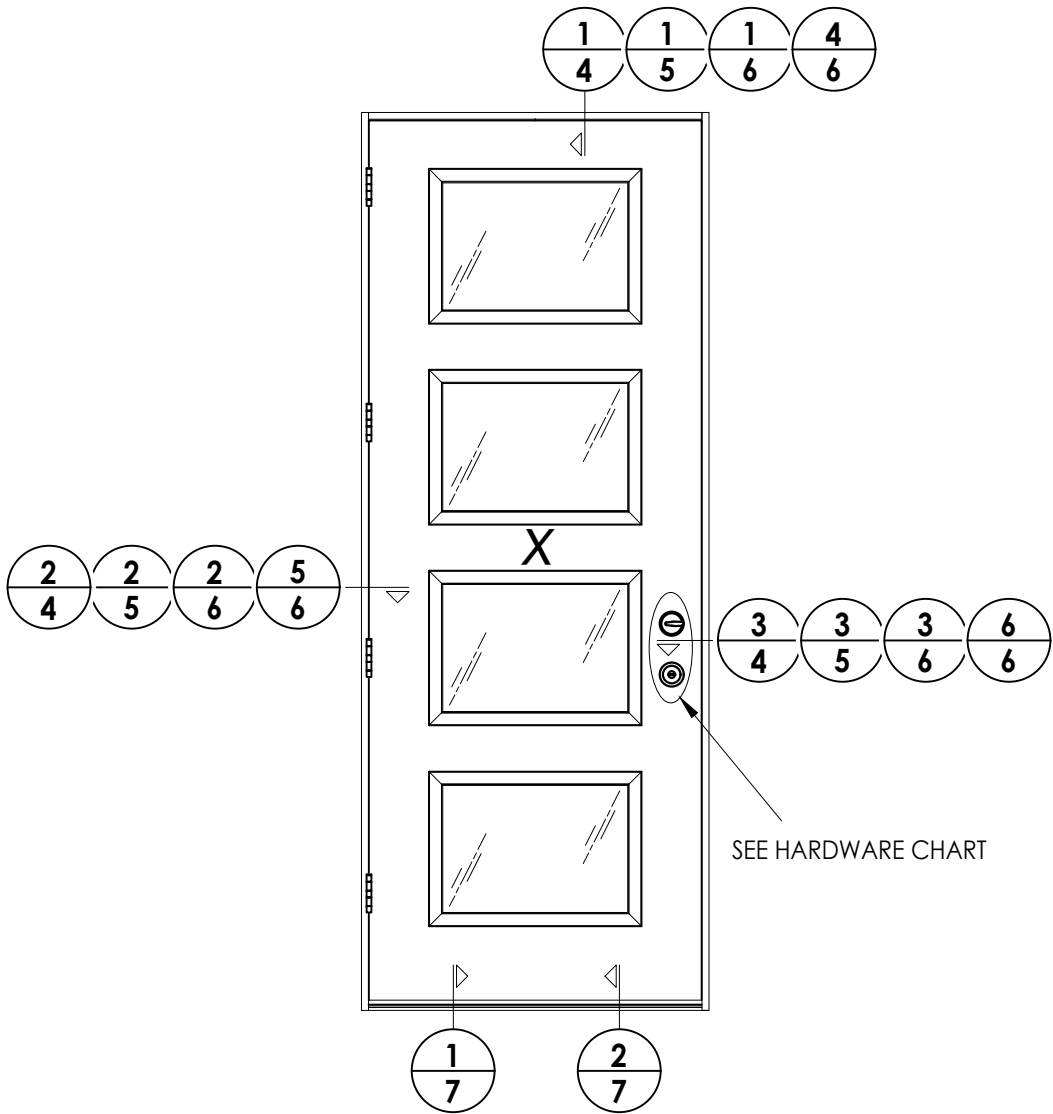
HINGE STILE (ENGINEERED WOOD)

STEEL REINFORCEMENT (0.023" THK.)

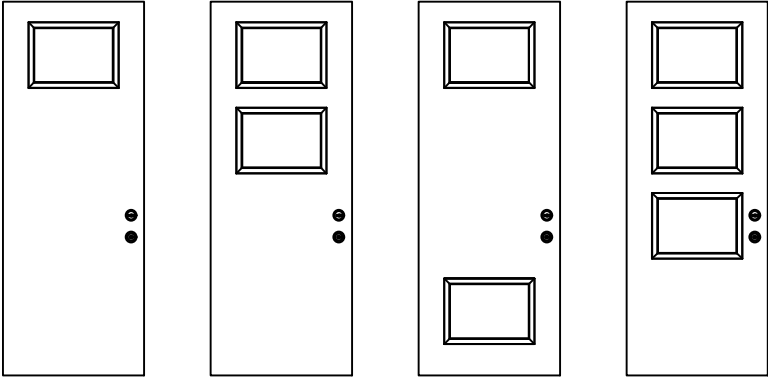
4 **VERTICAL CROSS SECTION**
2 COMPOSITE EDGE

[illegible]

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



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

DATE: 5/19/20

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SHEET 3 OF 11

47/01/26UPDATE TO 9TH ED. (2026) FBC

36/16/25REVISE DIRECT TO MASONRY INST. LFS

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

17/23/20UPDATE TO 7TH ED (2020) FBC

NO. DATE

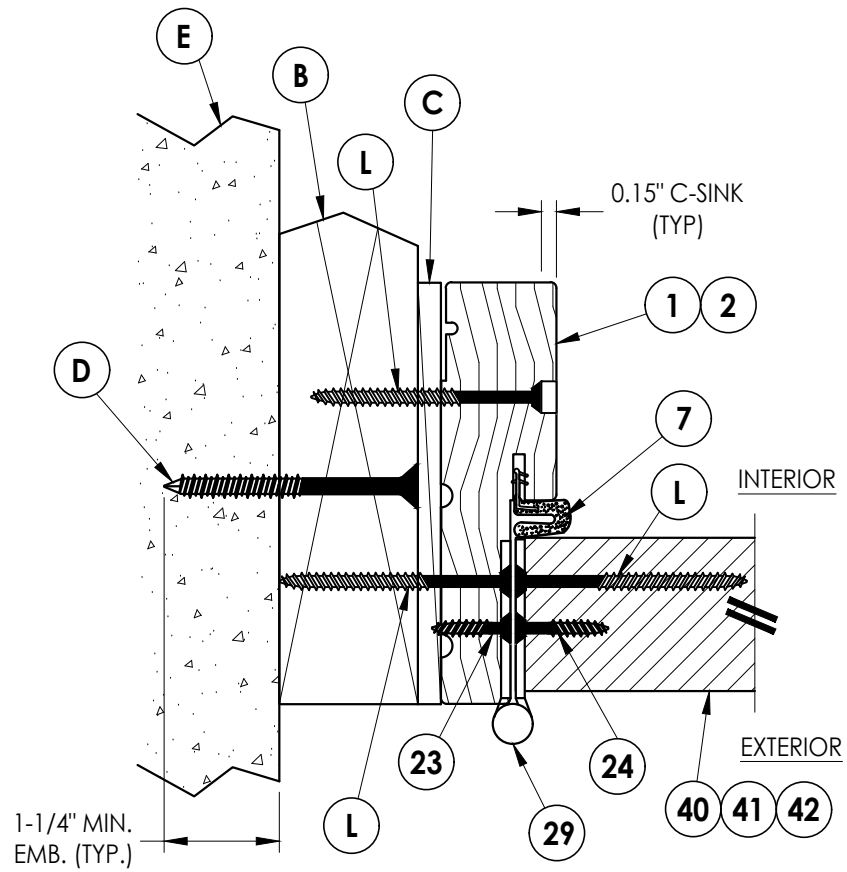
REVISIONS

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

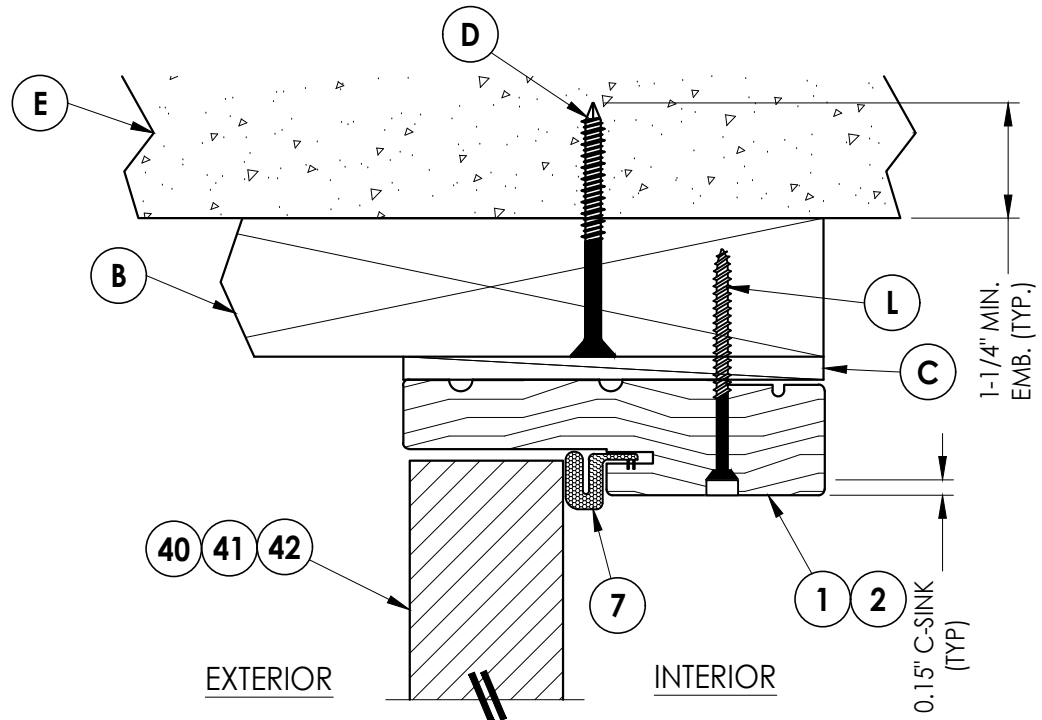
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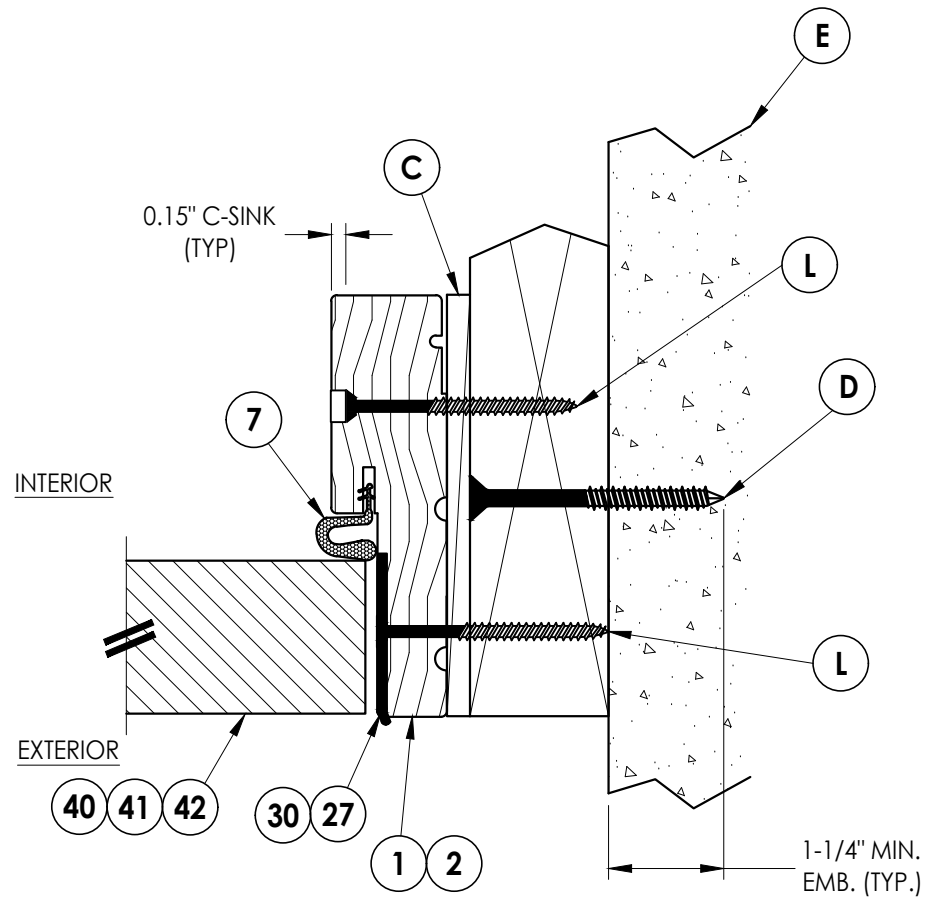


2 HORIZONTAL CROSS SECTION

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**

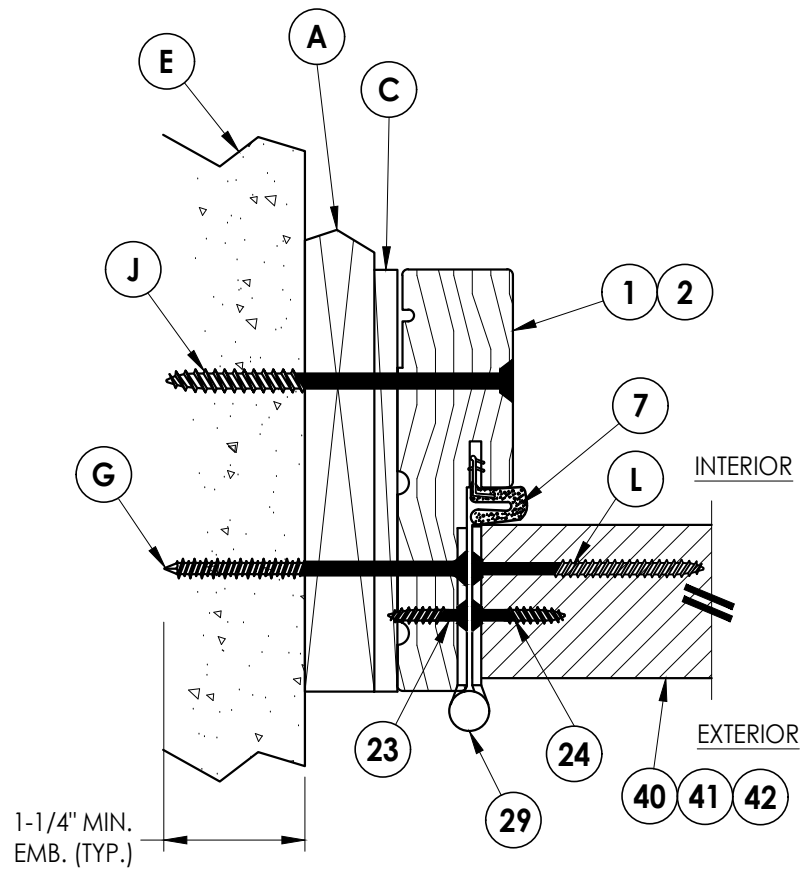
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)

4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS		
3	6/16/25	REVISE DIRECT TO MASONRY INST.		LFS		
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS		
NO.	DATE					
				REVISIONS		
DATE: 5/19/20						
SCALE: N.T.S.						
DWG. BY: RW						
CHK. BY: LFS						
DRAWING NO.: FL-30482.7						
SHEET 4 OF 11						

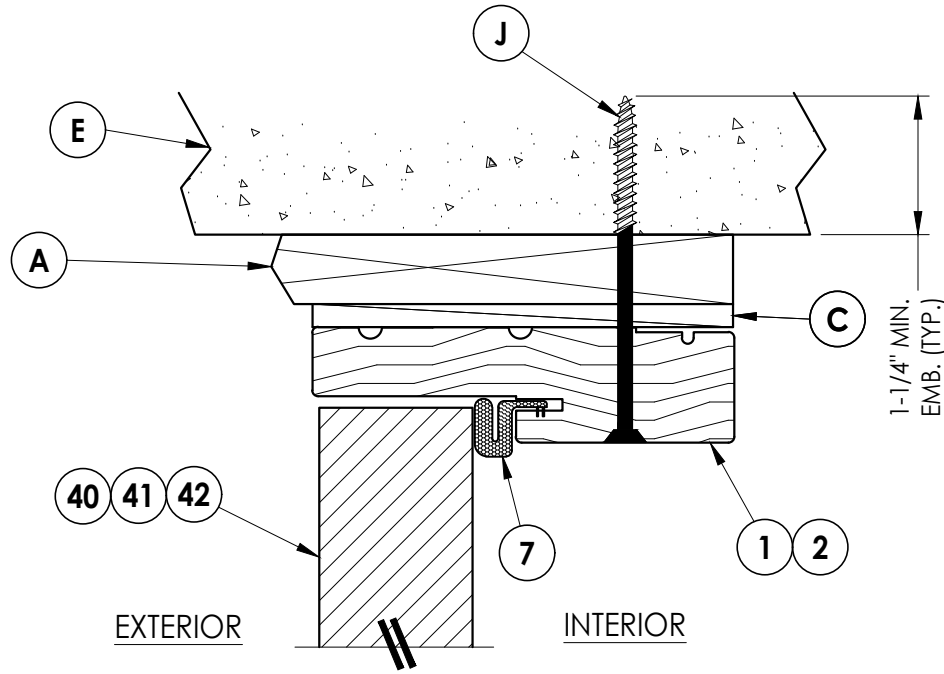
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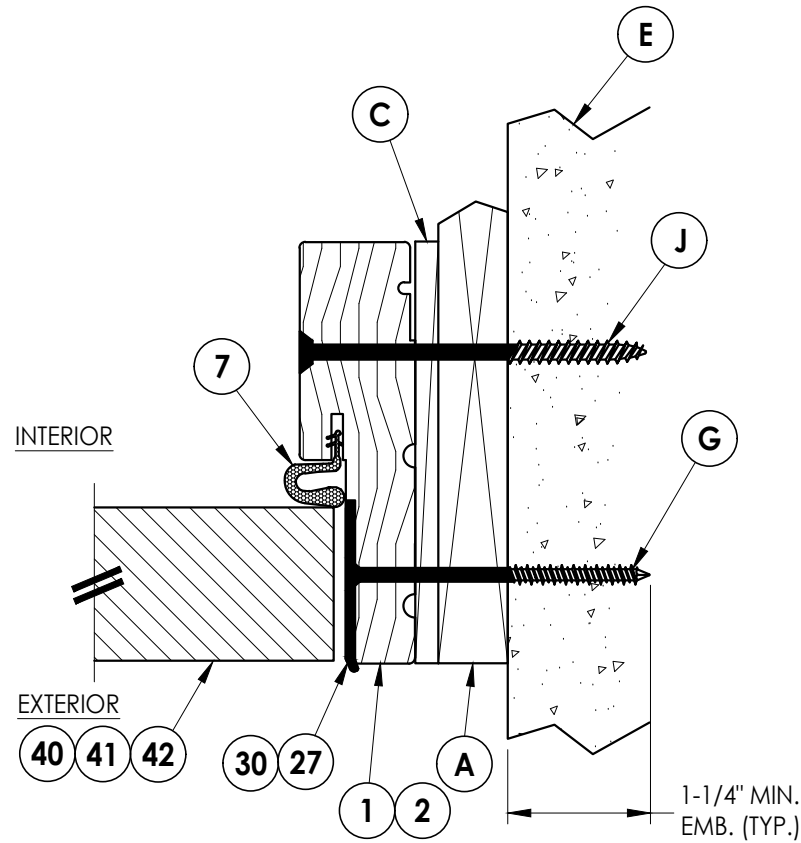
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2 HORIZONTAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	6/16/25	REVISE DIRECT TO MASONRY INST. LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 5/19/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-30482.7

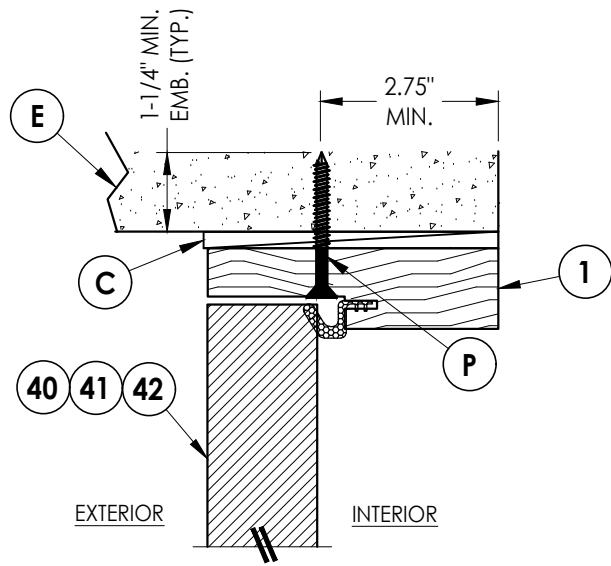
SHEET 5 OF 11

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

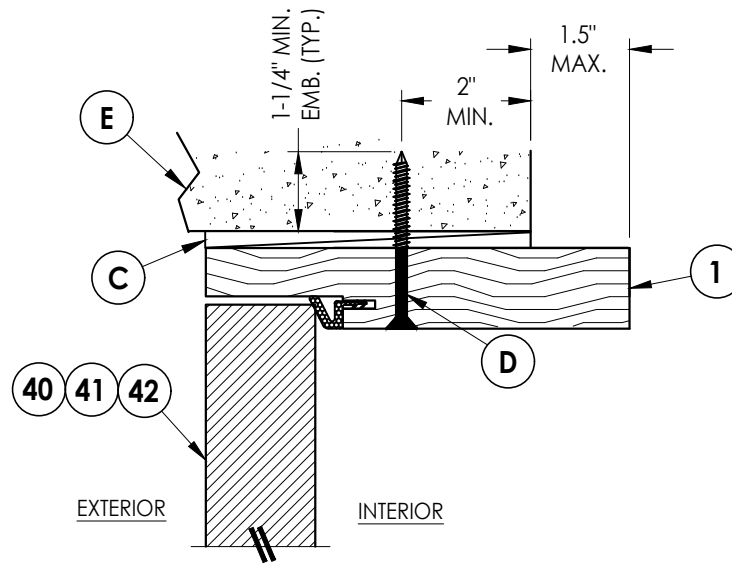
Documents Prepared By:
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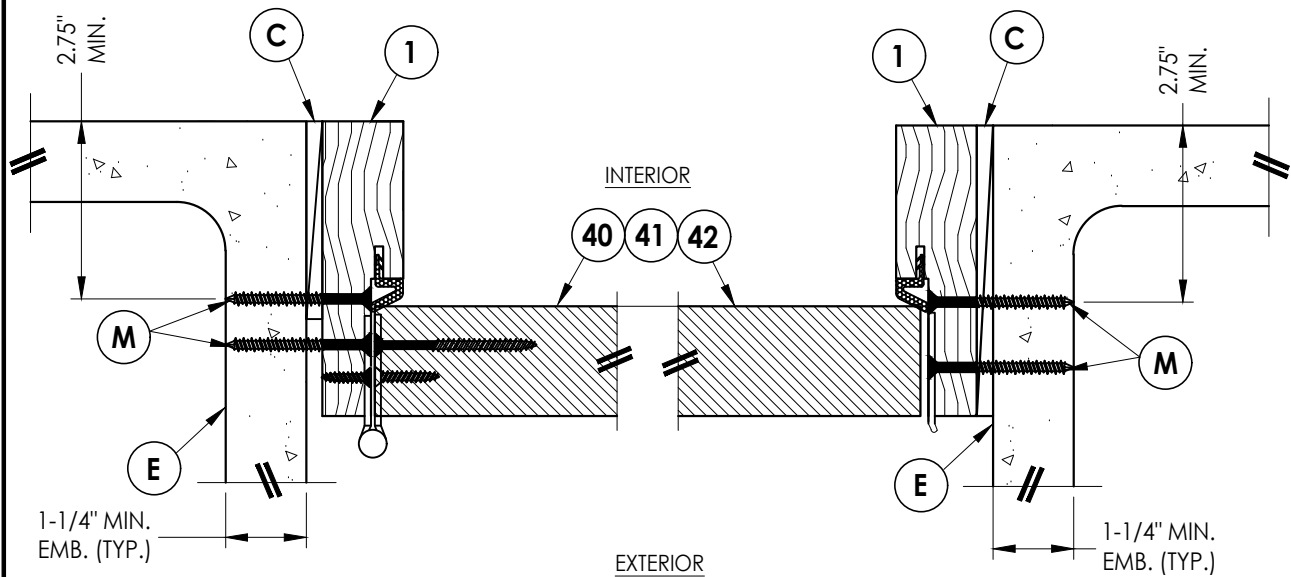


1
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



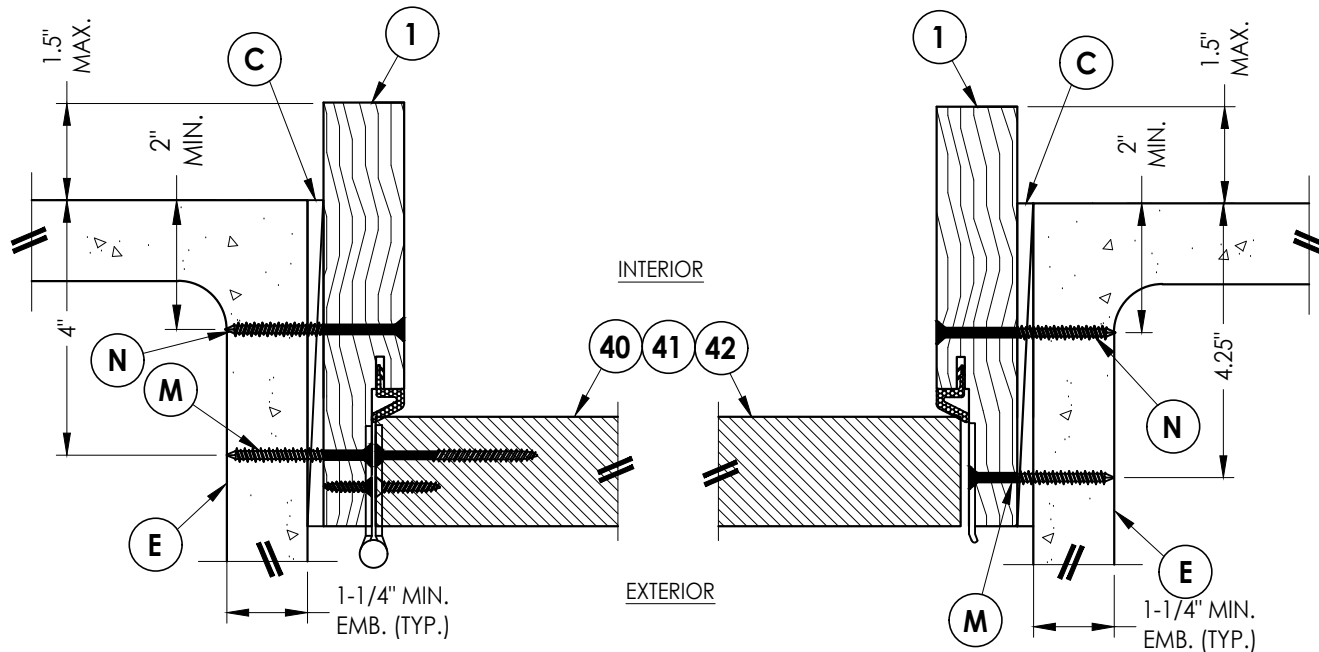
4
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 47 PSF



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
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS			
		BY	DATE	DESCRIPTION	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS	LFS	
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS	

DATE: 5/19/20

SCALE: N.T.S.

DWG. BY: RW

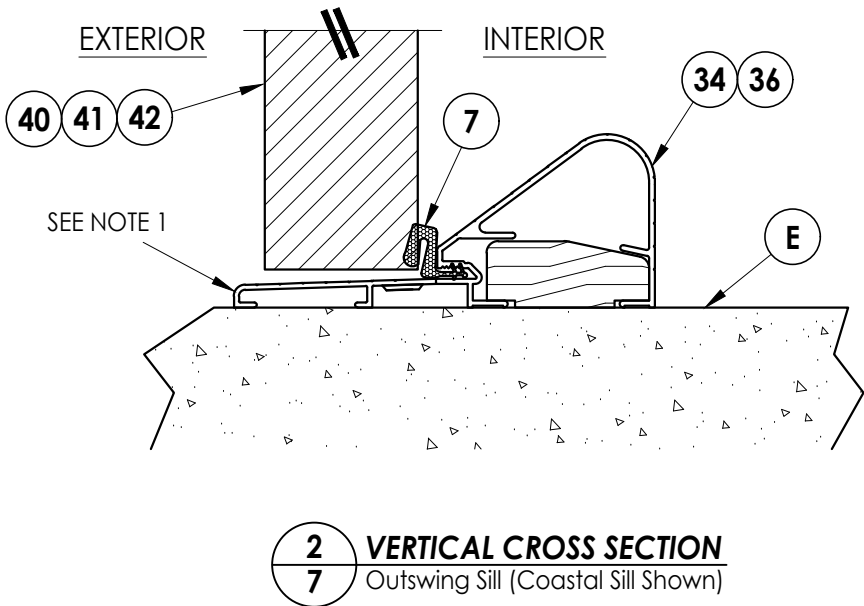
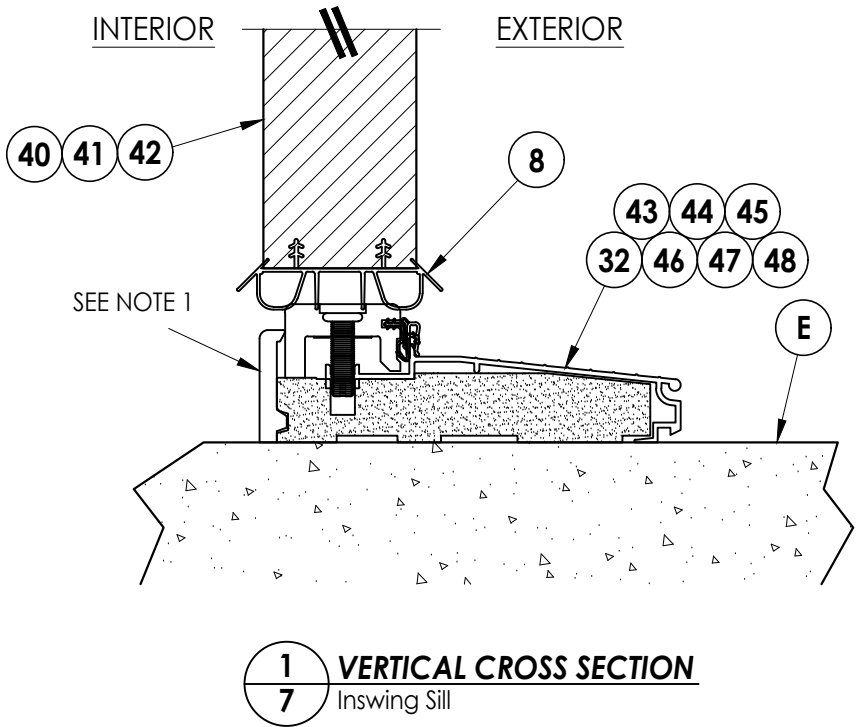
CHK. BY: LFS

DRAWING NO.:

FL-30482.7

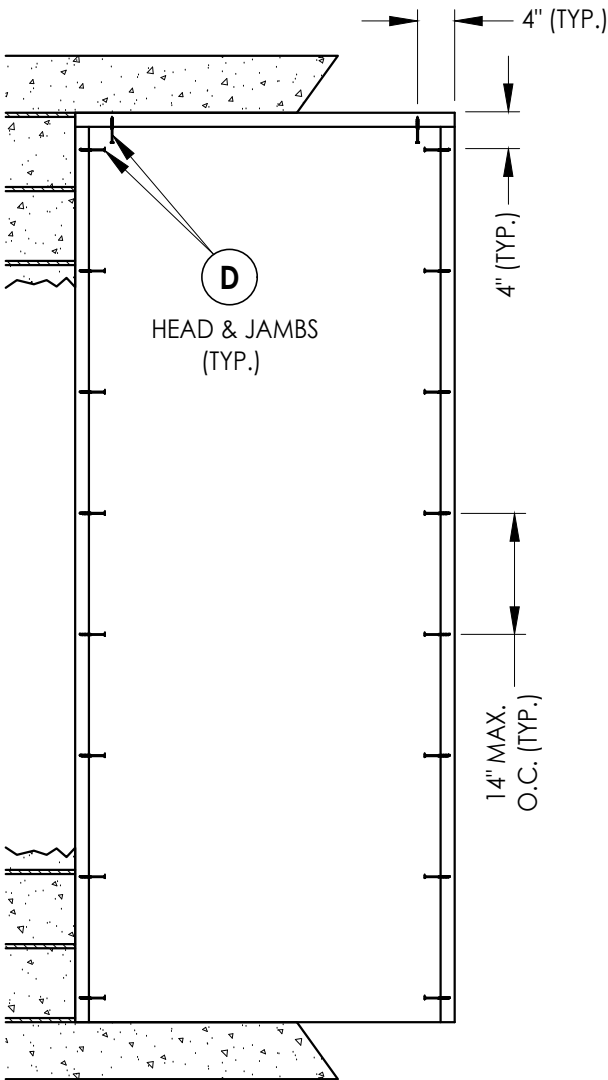
SHEET 6 OF 11

Note:
1. Sill Item #'s 32, 34, 43-48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 36 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.

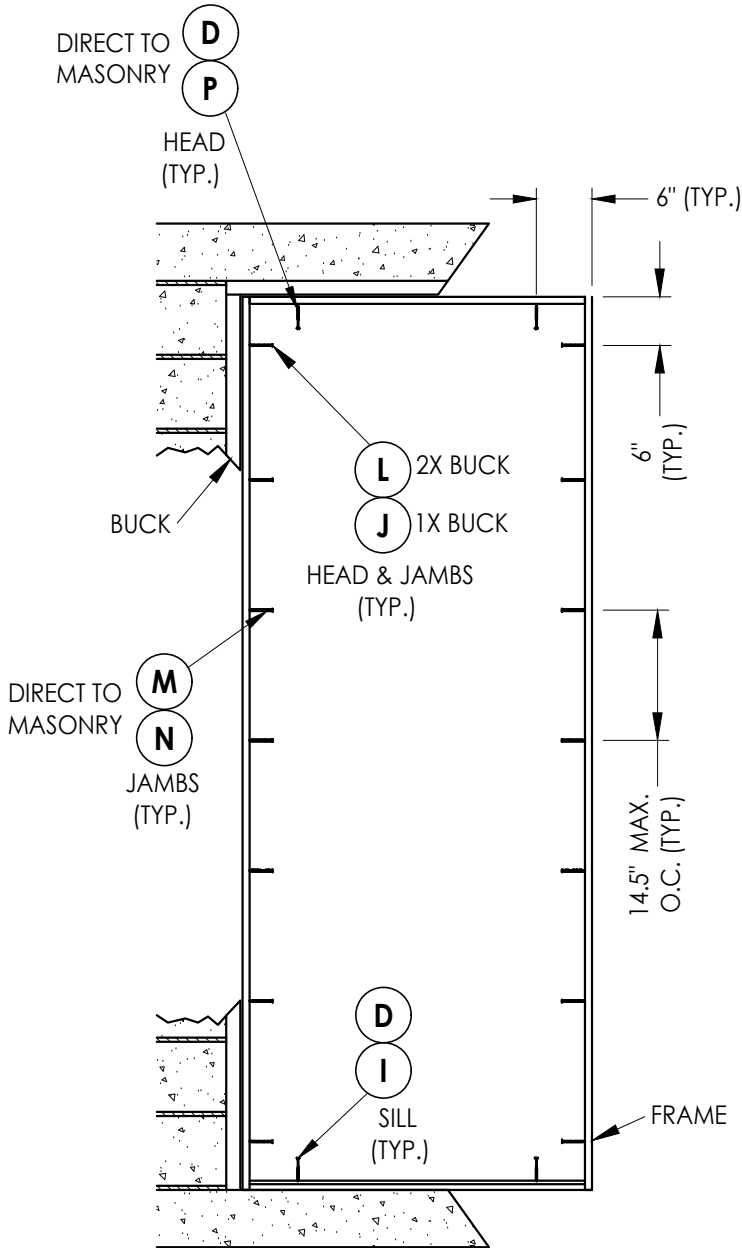


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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	
4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
3	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC LFS
NO.	DATE	BY	
REVISIONS			
DATE: 5/19/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-30482.7			
SHEET 7 OF 11			

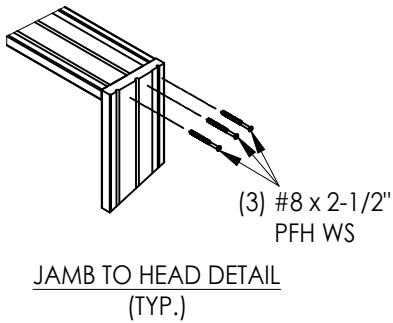
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2X BUCK ANCHORING



FRAME ANCHORING



PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		BUCK & FRAME ANCHORING	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
3	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

DATE: 5/19/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

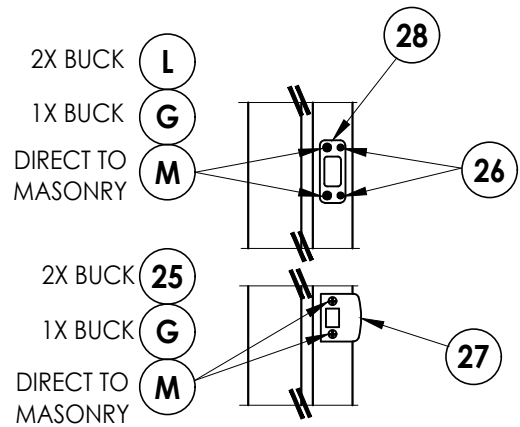
DRAWING NO.:
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SHEET 8 OF 11

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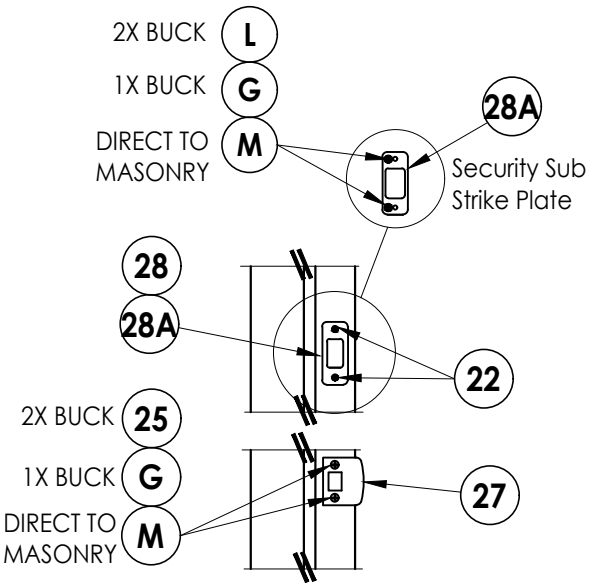
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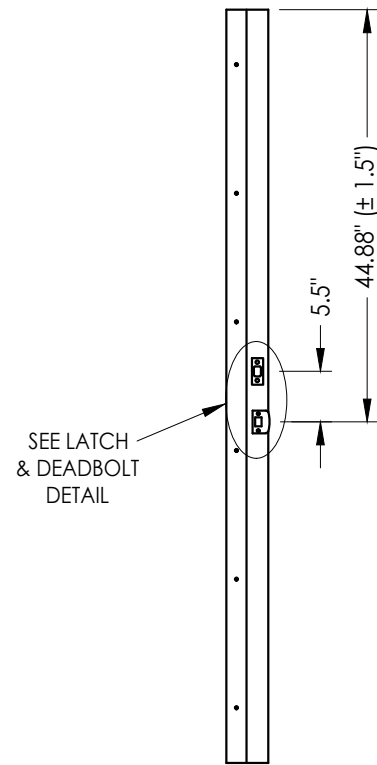
LATCH & DEADBOLT DETAIL

Kwikset



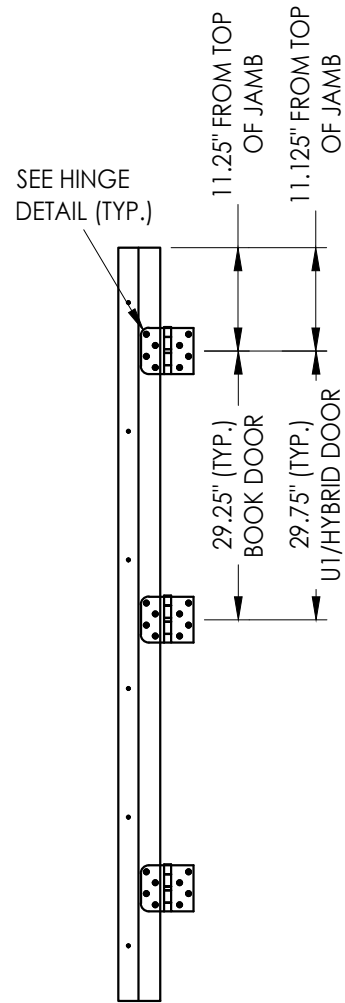
LATCH & DEADBOLT DETAIL

Schlage

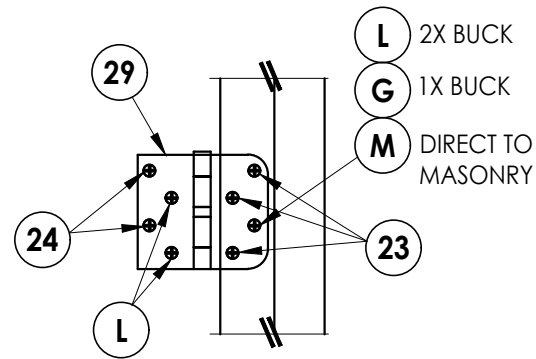


STRIKE JAMB

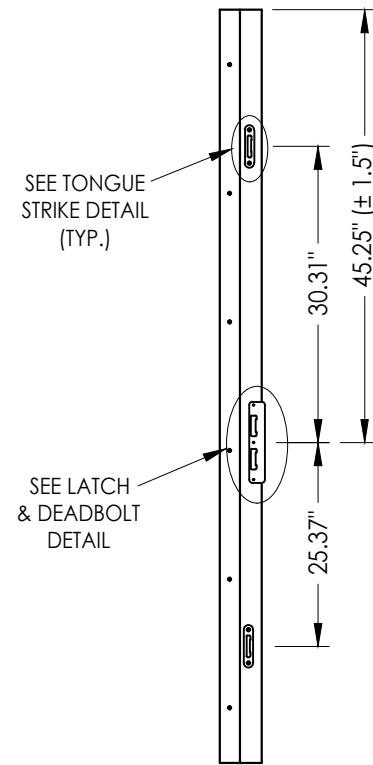
Latch & Deadbolt



HINGE JAMB

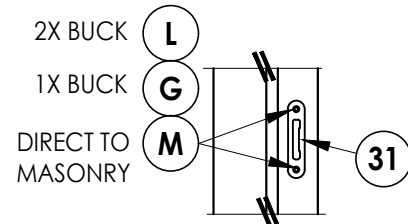


HINGE DETAIL



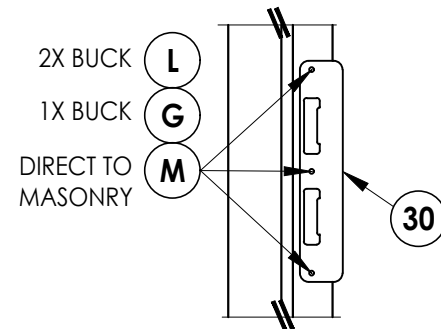
STRIKE JAMB

Multi-point Lock



TONGUE STRIKE DETAIL

MULTI-POINT Lock



LATCH & DEADBOLT DETAIL

MULTI-POINT Lock

LATCH & DEADBOLT STRIKE DETAILS

MULTI-POINT LOCK STRIKE DETAILS

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P.E. No. 43409

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HARDWARE DETAILS

NO.	DATE	REVISIONS			
		DATE	BY	LFS	FBC
4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	6/16/25	REVISE DIRECT TO MASONRY INST.		LFS	
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS	

DATE: 5/19/20

SCALE: N.T.S.

DWG. BY: RW

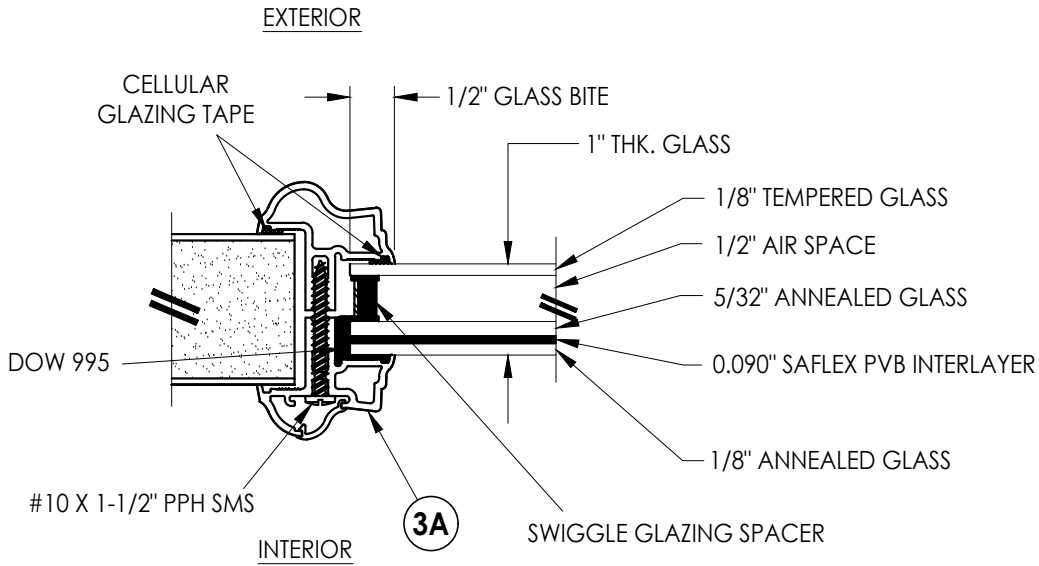
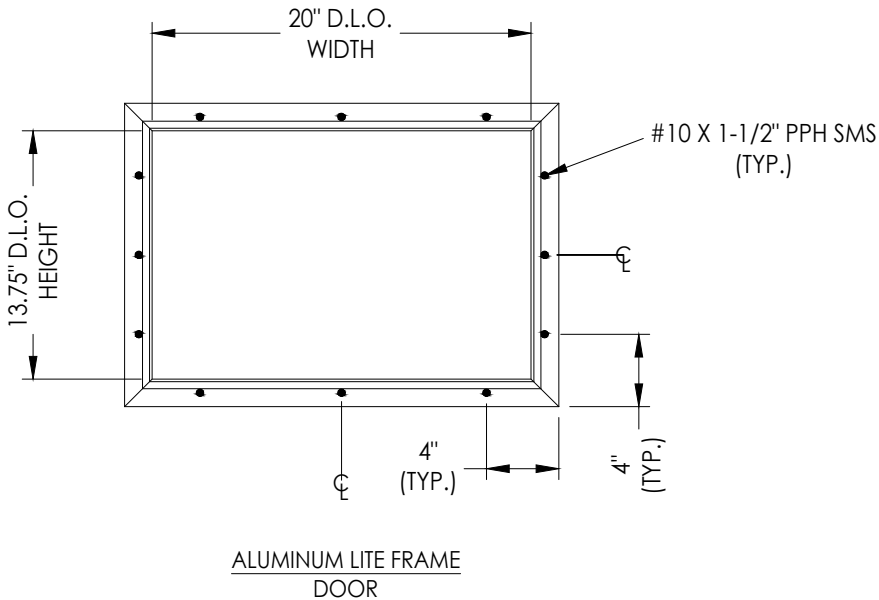
CHK. BY: LFS

DRAWING NO.:

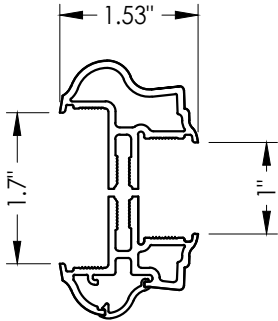
FL-30482.7

SHEET 9 OF 11

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G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels



3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels

DATE: 5/19/20	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-30482.7	
SHEET 10	OF 11

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	6/16/25	REVISE DIRECT TO MASONRY INST. LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

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

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