



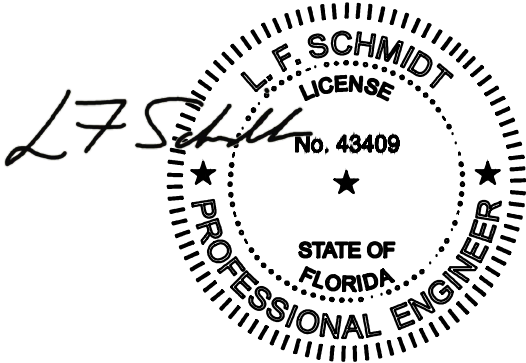
Fiber-Classic® & Smooth-Star®

"SHAKER"
COMPOSITE EDGE
FLUSH GLAZED FIBERGLASS
DOUBLE DOOR
INSWING/OUTSWING
"NON-IMPACT"

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. Fiber-Classic & Smooth-Star Door and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.

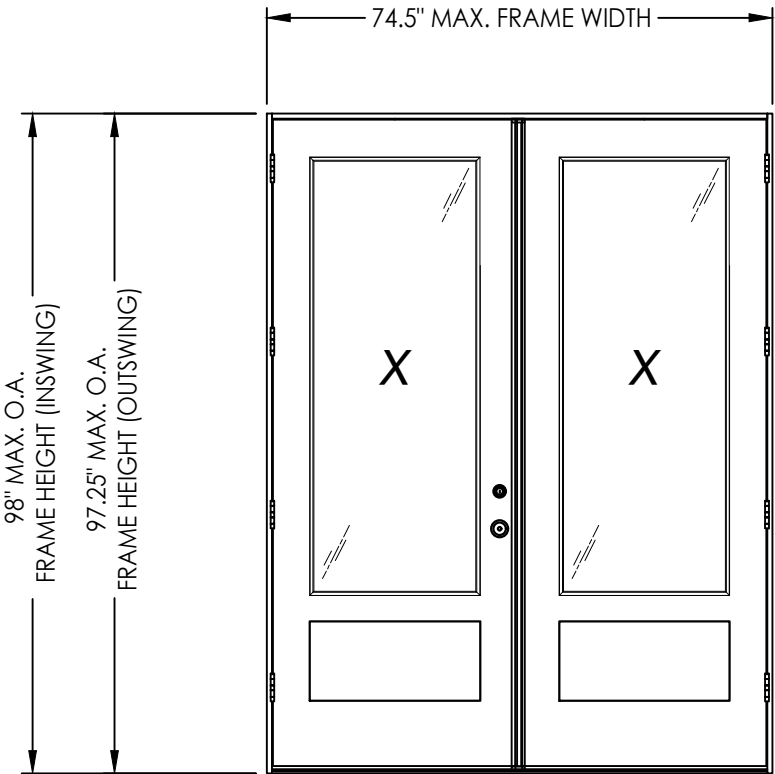
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel & Glazing Details
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5	Horizontal & Vertical Cross Sections (1X Buck)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross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



Digitally signed by
Lyndon F Schmidt
Date: 2026.08.17
10:25:53 -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
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must be verified on any electronic copies.

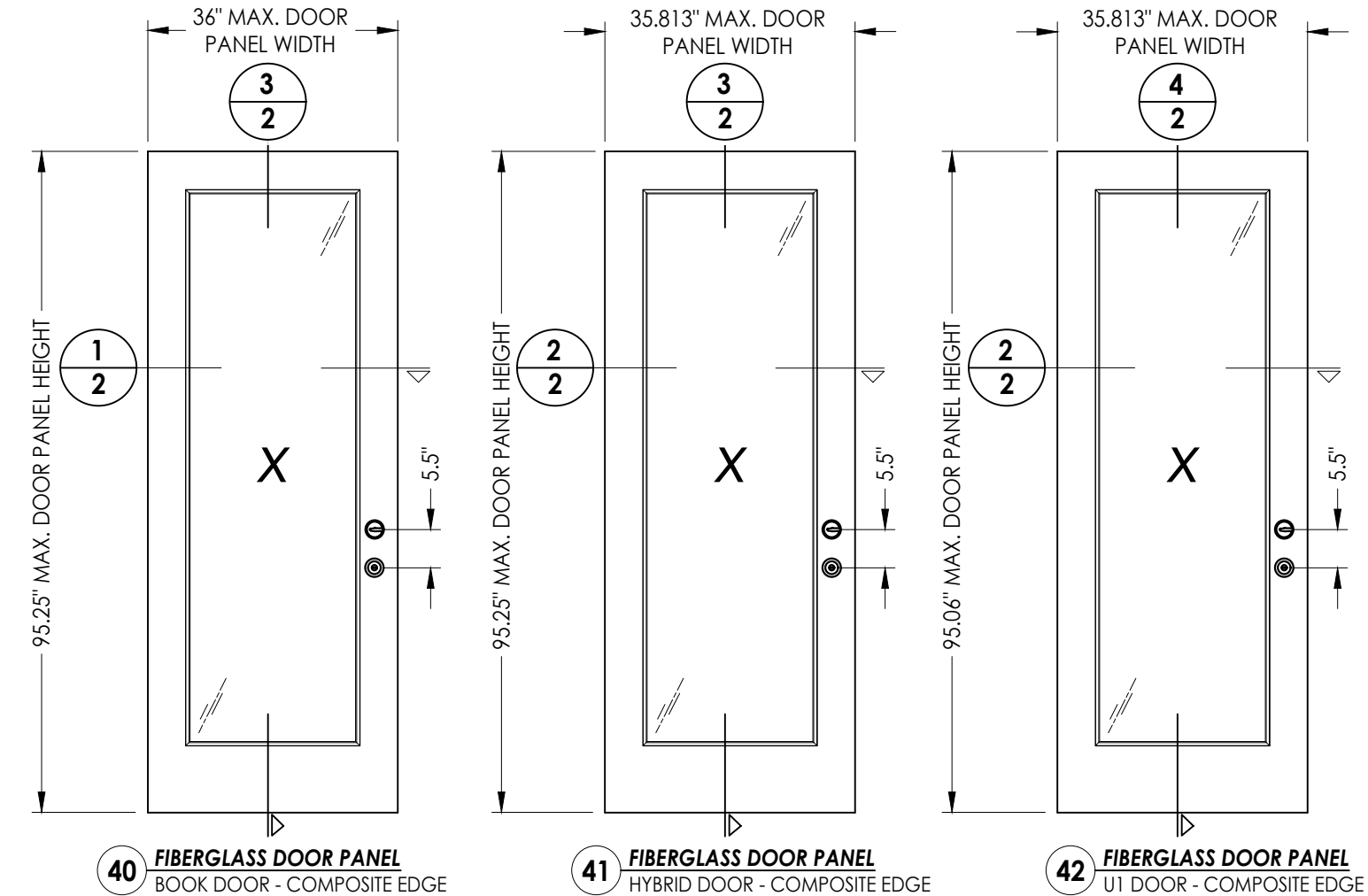
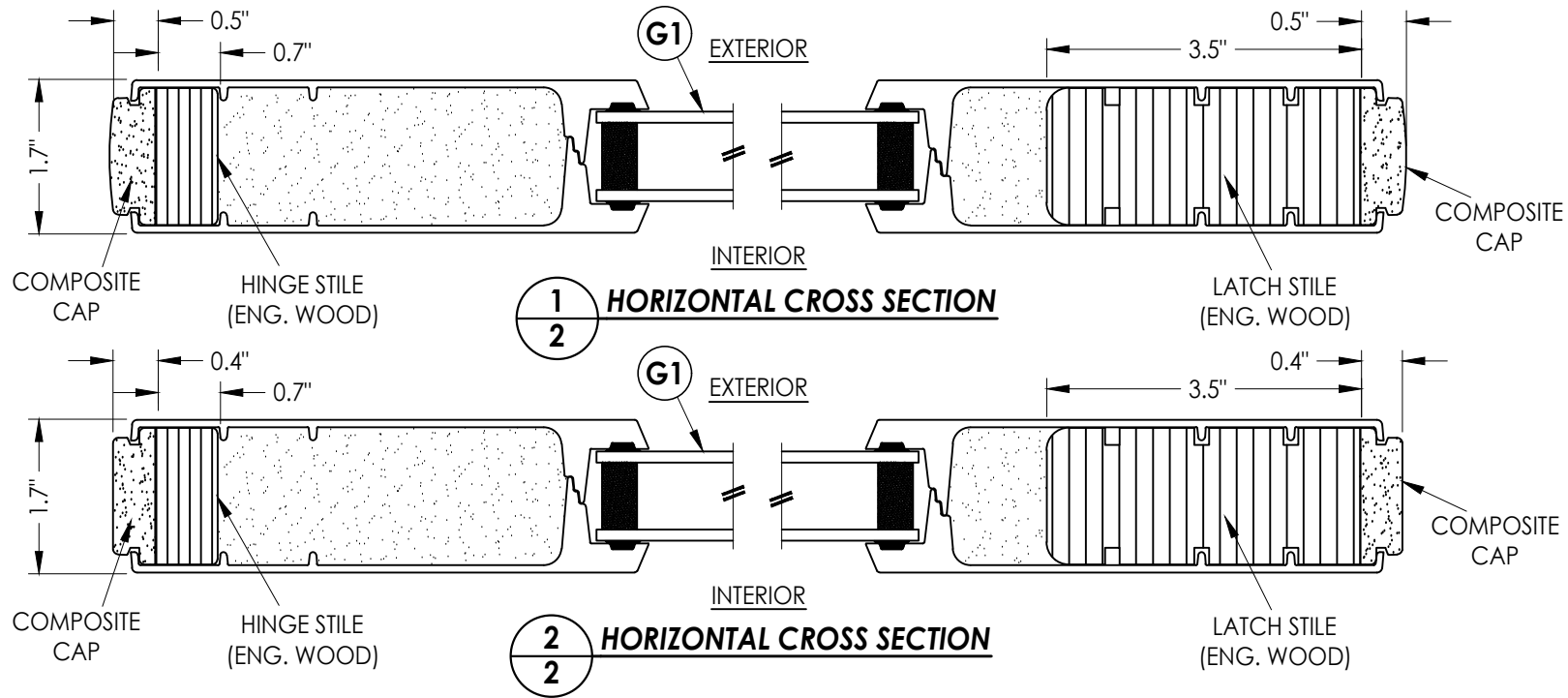
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



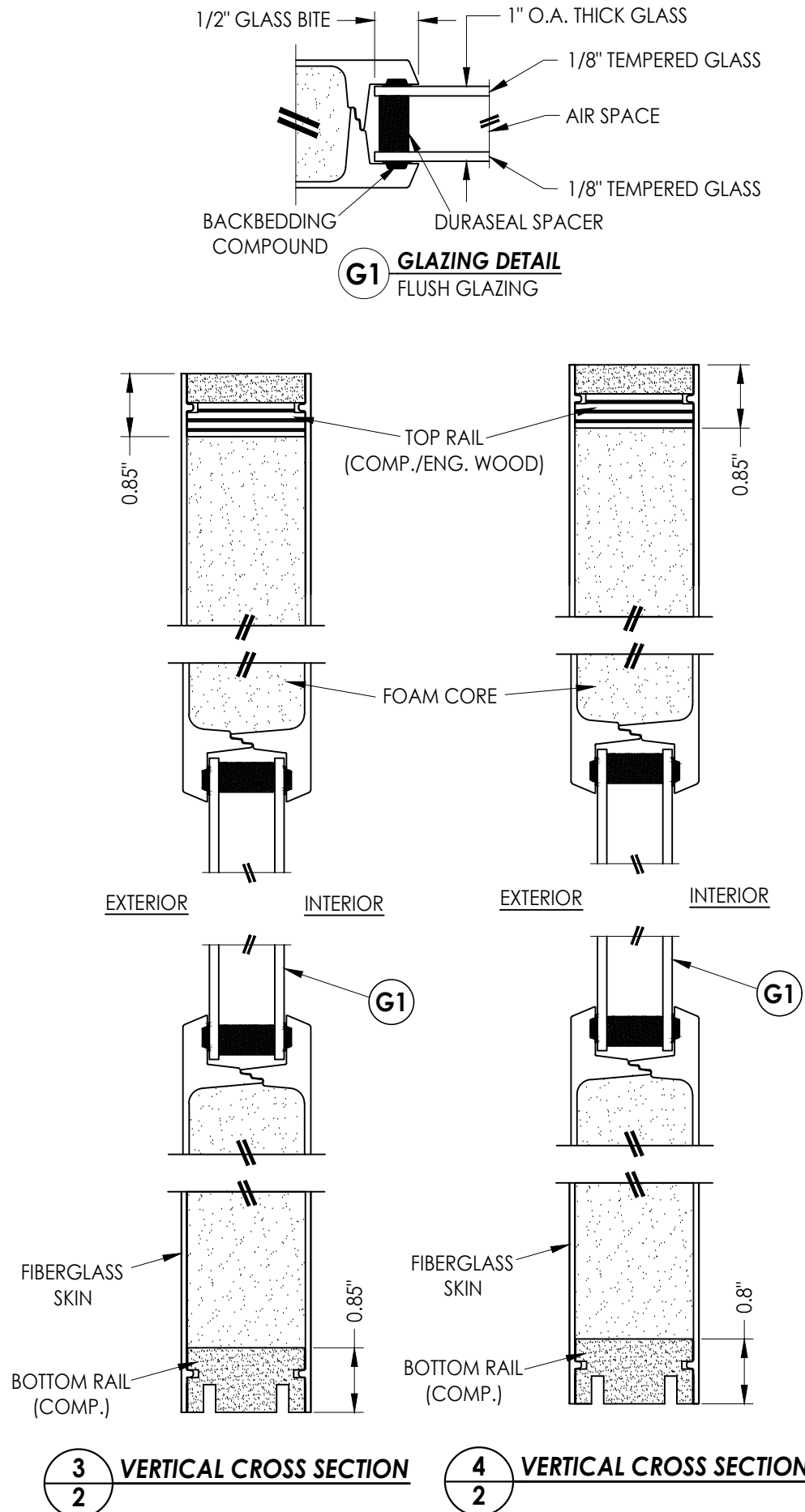
CONFIGURATION	ASTRAGAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	STANDARD	+40.0	-45.0	+40.0	-40.0
	COASTAL	+50.0	-55.0	+50.0	-50.0

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FIBERGLASS SKIN: 0.070" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL
& GLAZING DETAILS

NO.	DATE	REVISIONS
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

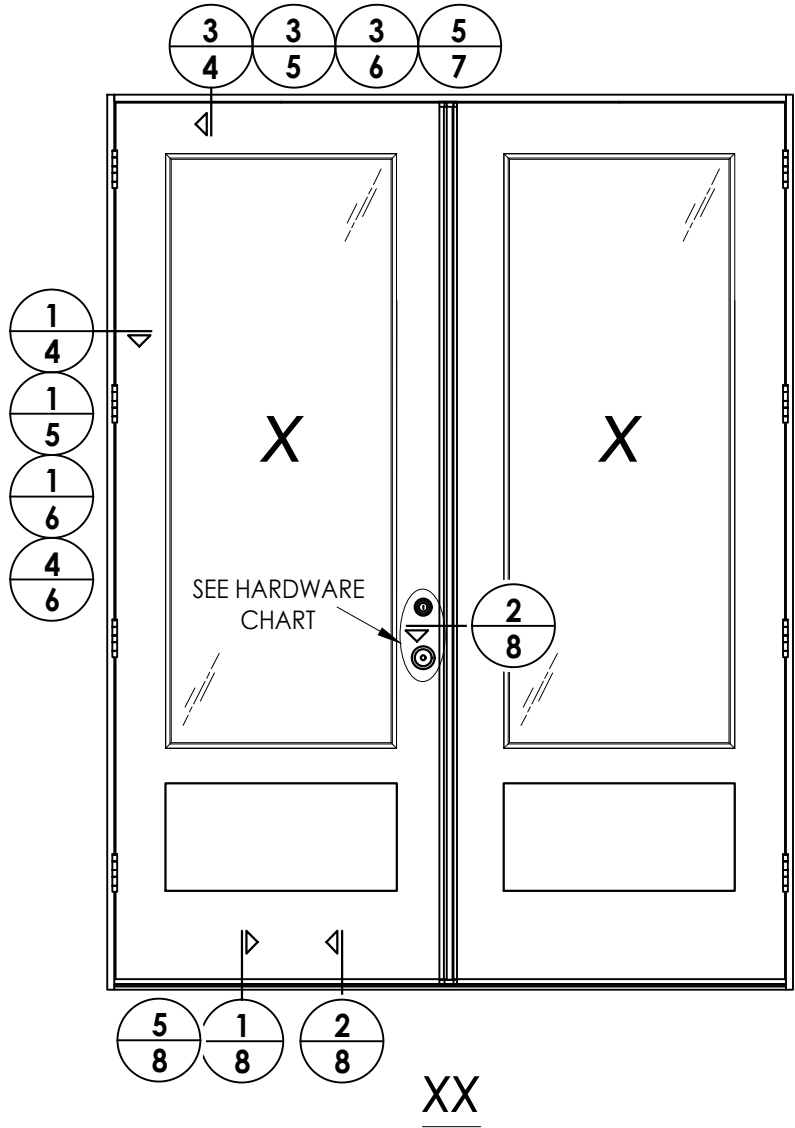
DRAWING NO.:

FL-48194.8

SHEET 2 OF 10

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

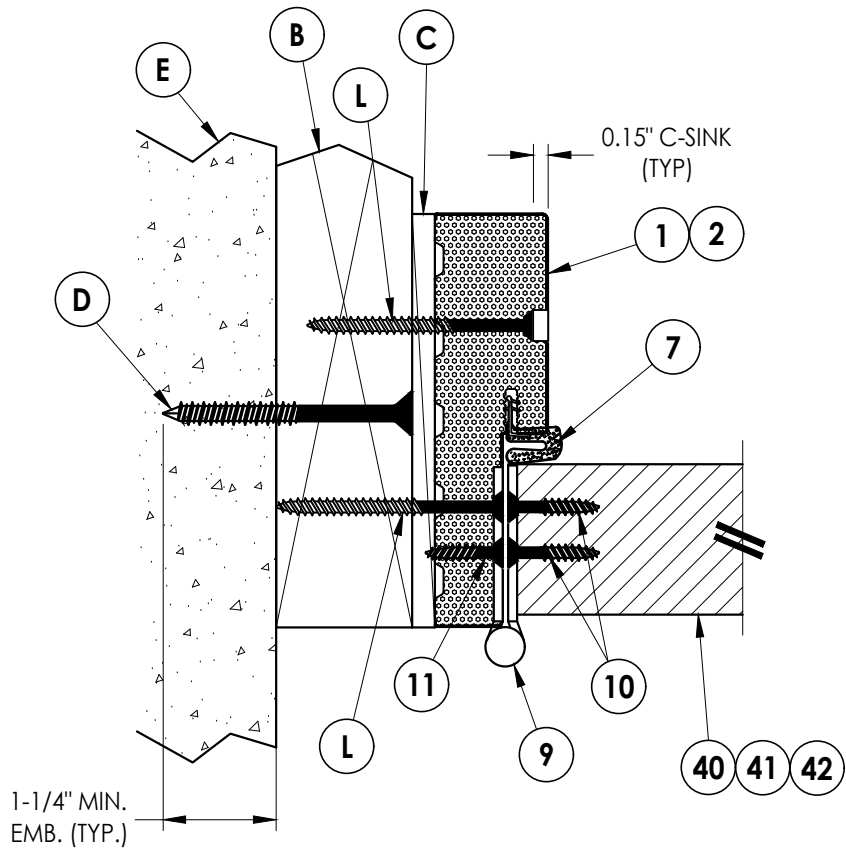
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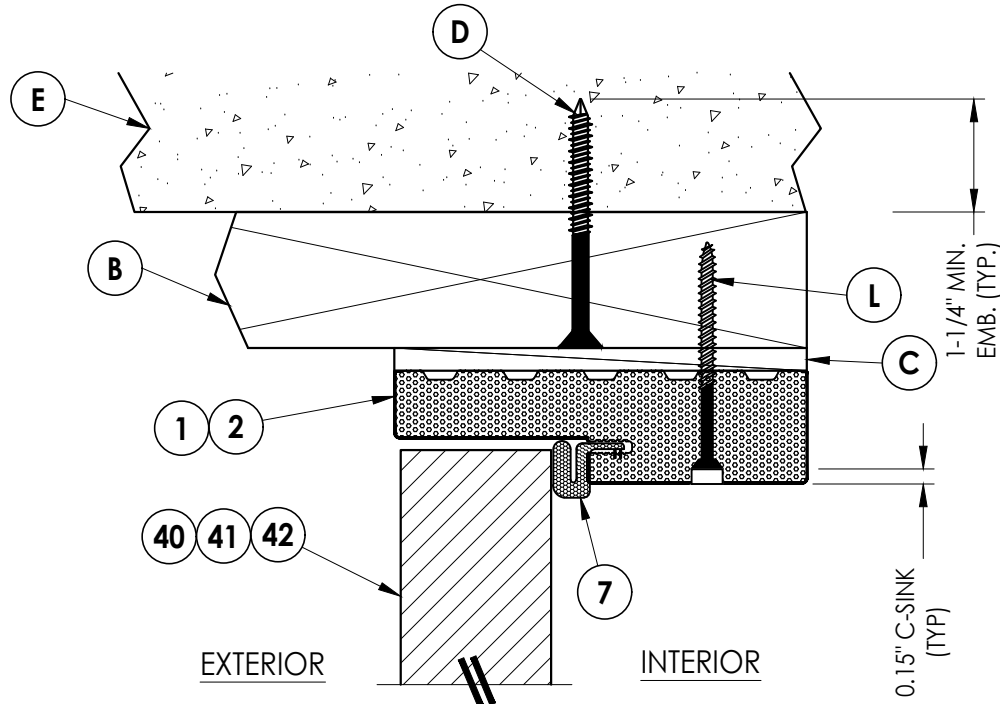
HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: F51 DEADBOLT: B60
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGSB (3 pt. Manual Shootbolt)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		THERMA-TRU FIBERGLASS DOOR		DATE: 5/06/26	
RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		PART OR ASSEMBLY: ELEVATIONS		SCALE: N.T.S.	
				DWG. BY: LFS	
				CHK. BY: RW	
				DRAWING NO.: FL-48194.8	
				SHEET 3 OF 10	

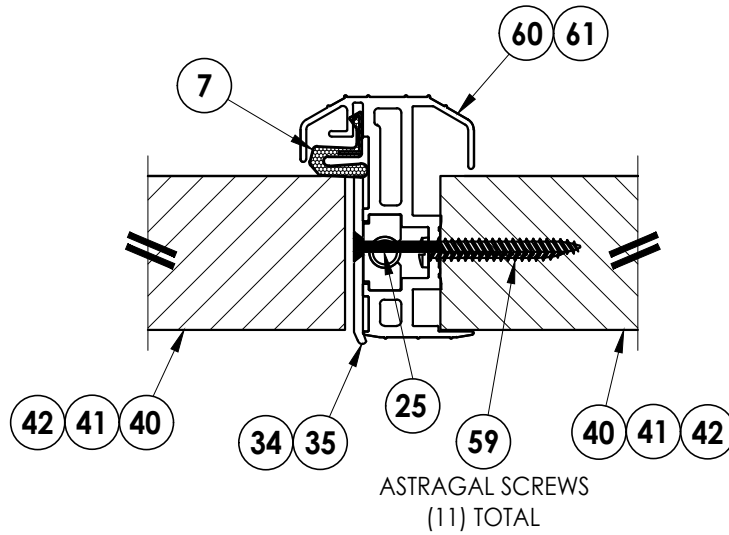
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1
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



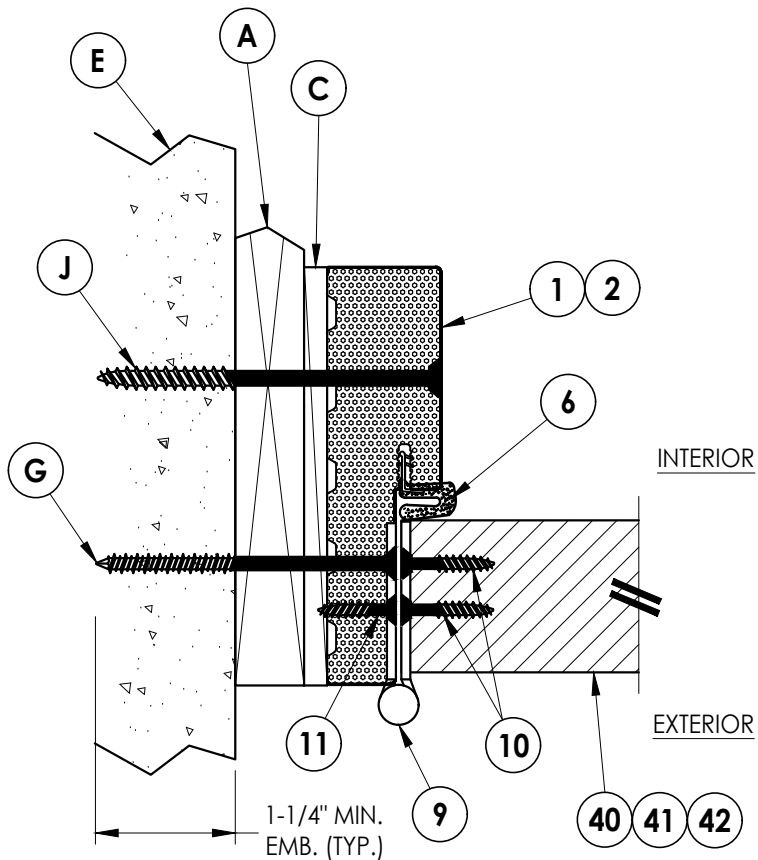
2
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



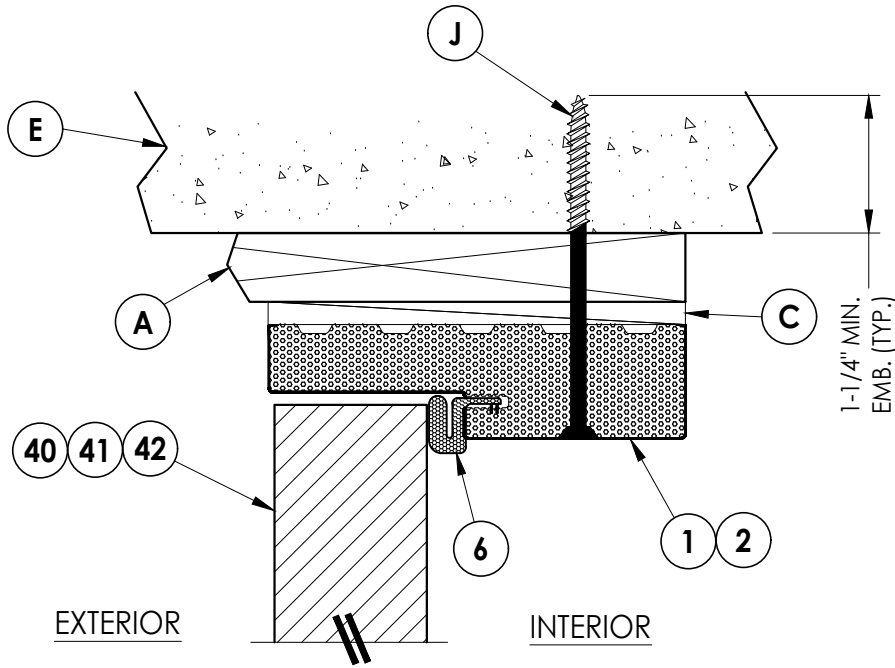
3
4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X 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	
DATE: 5/06/26		UPDATE TO 9TH ED. (2026) FBC	
SCALE: N.T.S.		NO. DATE	
DWG. BY: RW		REVISIONS	
CHK. BY: LFS		LFS BY	
DRAWING NO.: FL-48194.8			
SHEET 4 OF 10			

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



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

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-48194.8

SHEET 5 OF 10

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

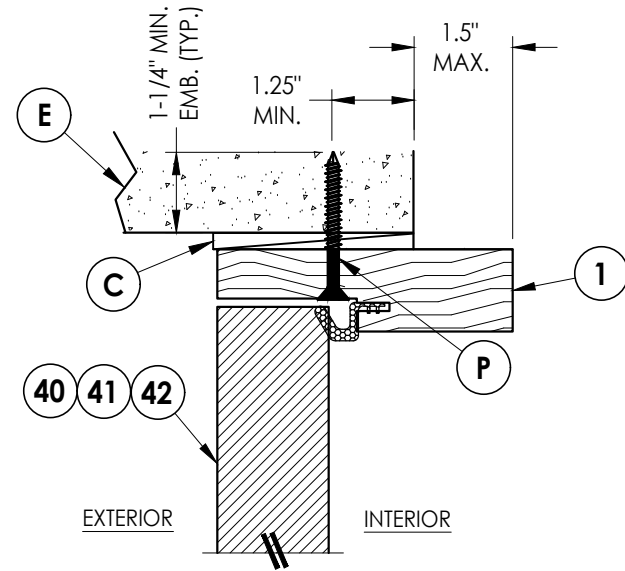
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

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

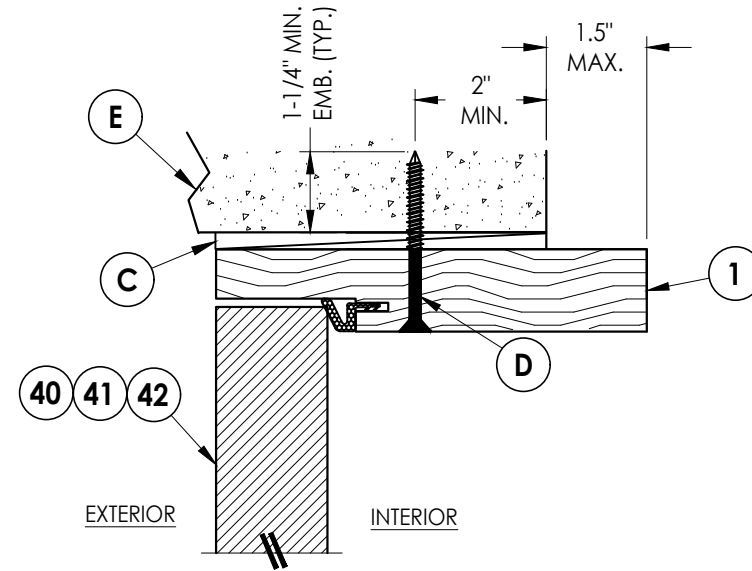
RW BUILDING CONSULTANTS, INC.

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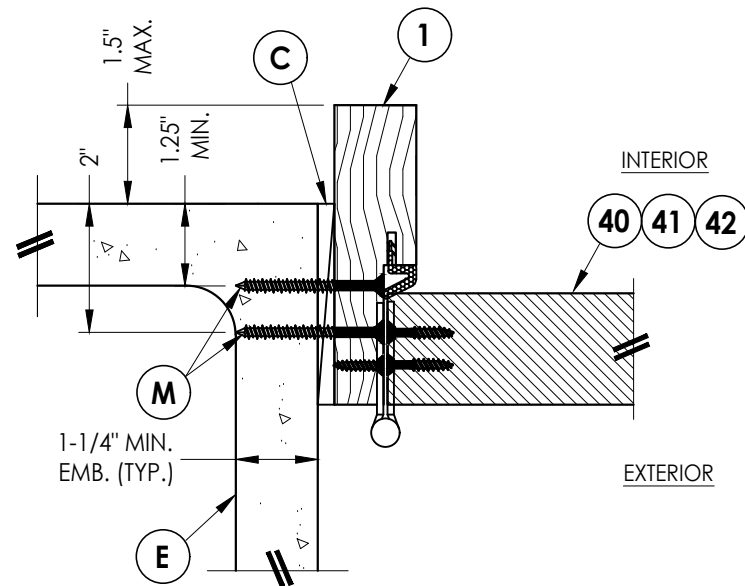
REVISIONS
NO. DATE
1 8/17/26 UPDATE TO 9TH ED. (2026) FBC LFS BY



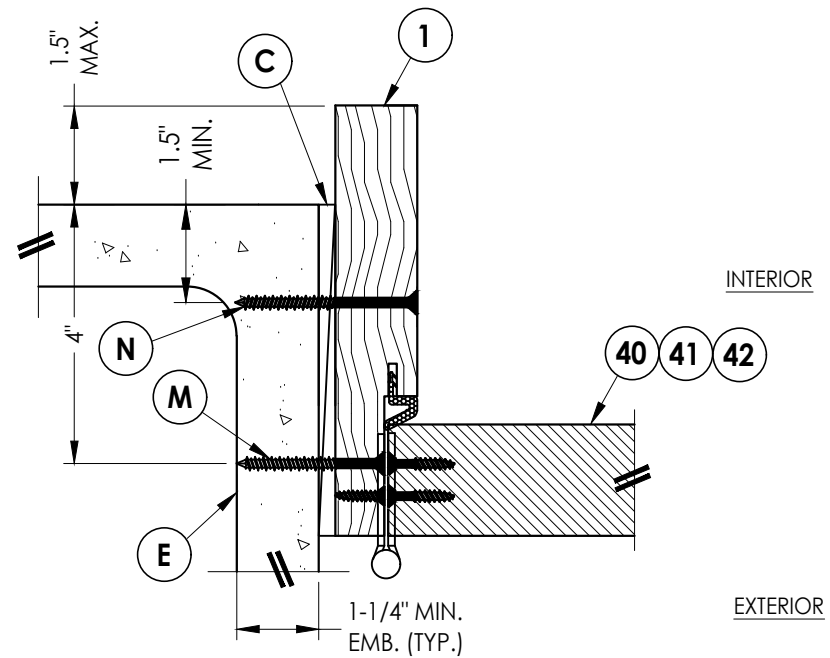
2 **VERTICAL CROSS SECTION**
6 Shown Direct to Masonry
 Outswing only w/ 4-9/16" jamb
 Double Door Only (N/A w/ Sidelites)



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

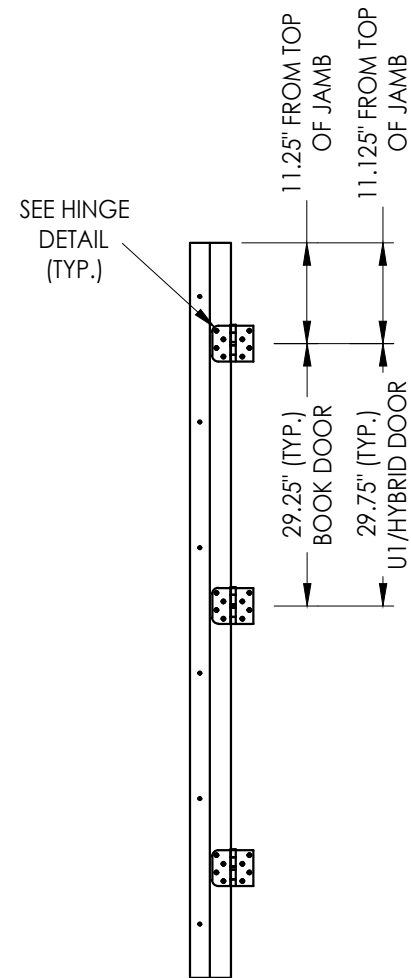


1 **HORIZONTAL CROSS SECTION**
6 Shown Direct to Masonry
 Outswing only w/ 4-9/16" jamb
 Double Door Only (N/A w/ Sidelites)

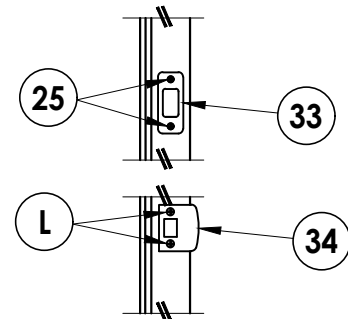
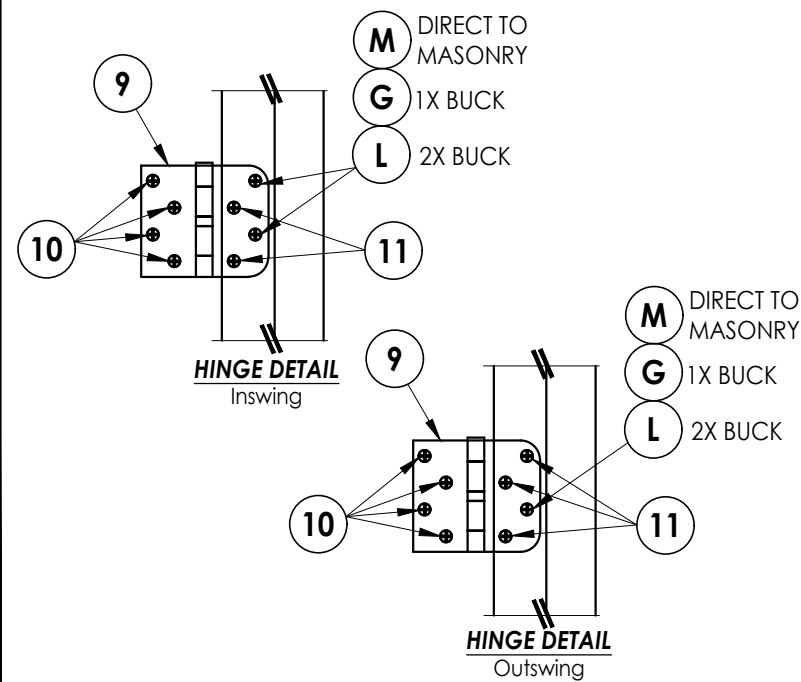


4 HORIZONTAL CROSS SECTION
6 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

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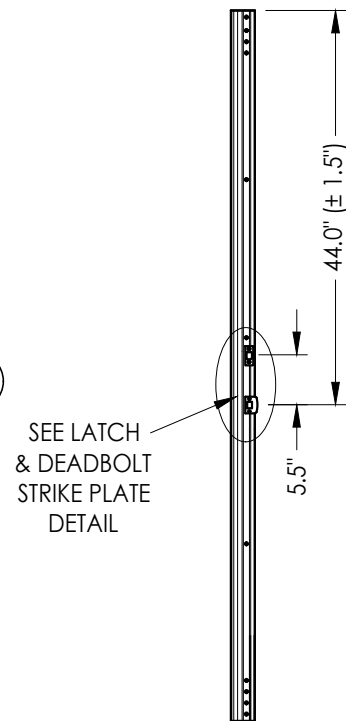


HINGE JAMB

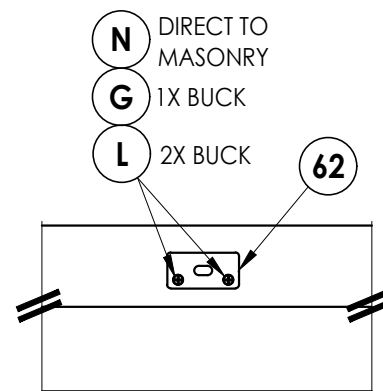


LATCH & DEADBOLT DETAIL

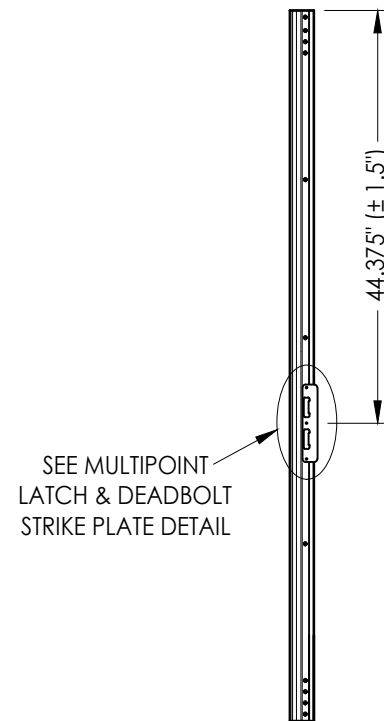
Schlage / Kwikset



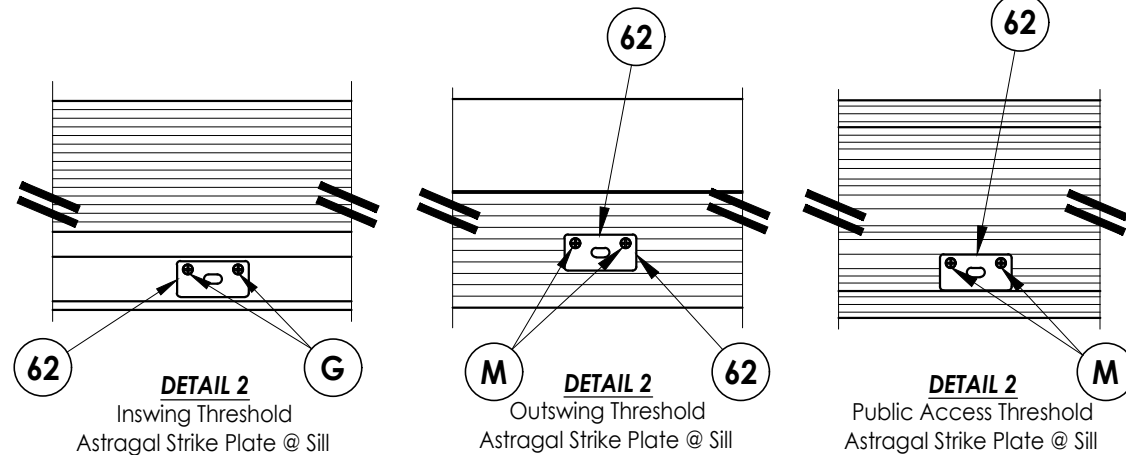
ASTRAGAL
Latch & Deadbolt



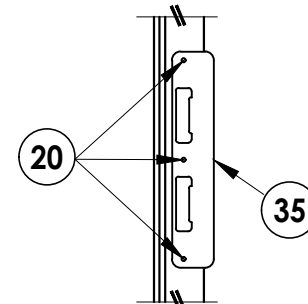
DETAIL 1
Astragal Strike Plate @ Head



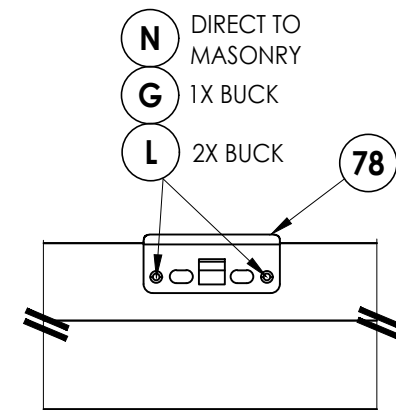
ASTRAL
Multipoint Lock



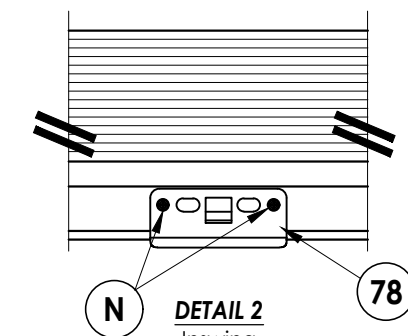
LATCH & DEADBOLT STRIKE DETAILS



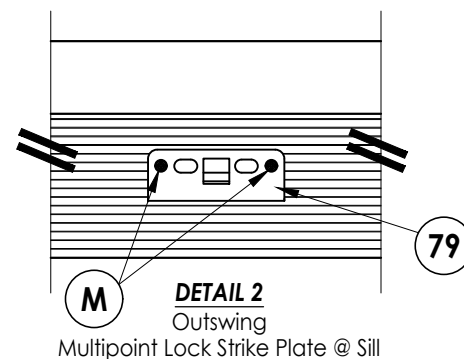
MULTIPOINT LATCH & DEADBOLT STRIKE PLATE DETAIL



DETAIL 1
Multipoint Lock Strike Plate @ Head



N **DETAIL 2** **78**
Inswing
Multipoint Lock Strike Plate @ Sill



M **DETAIL 2**
Outswing
Multipoint Lock Strike Plate @ Sill

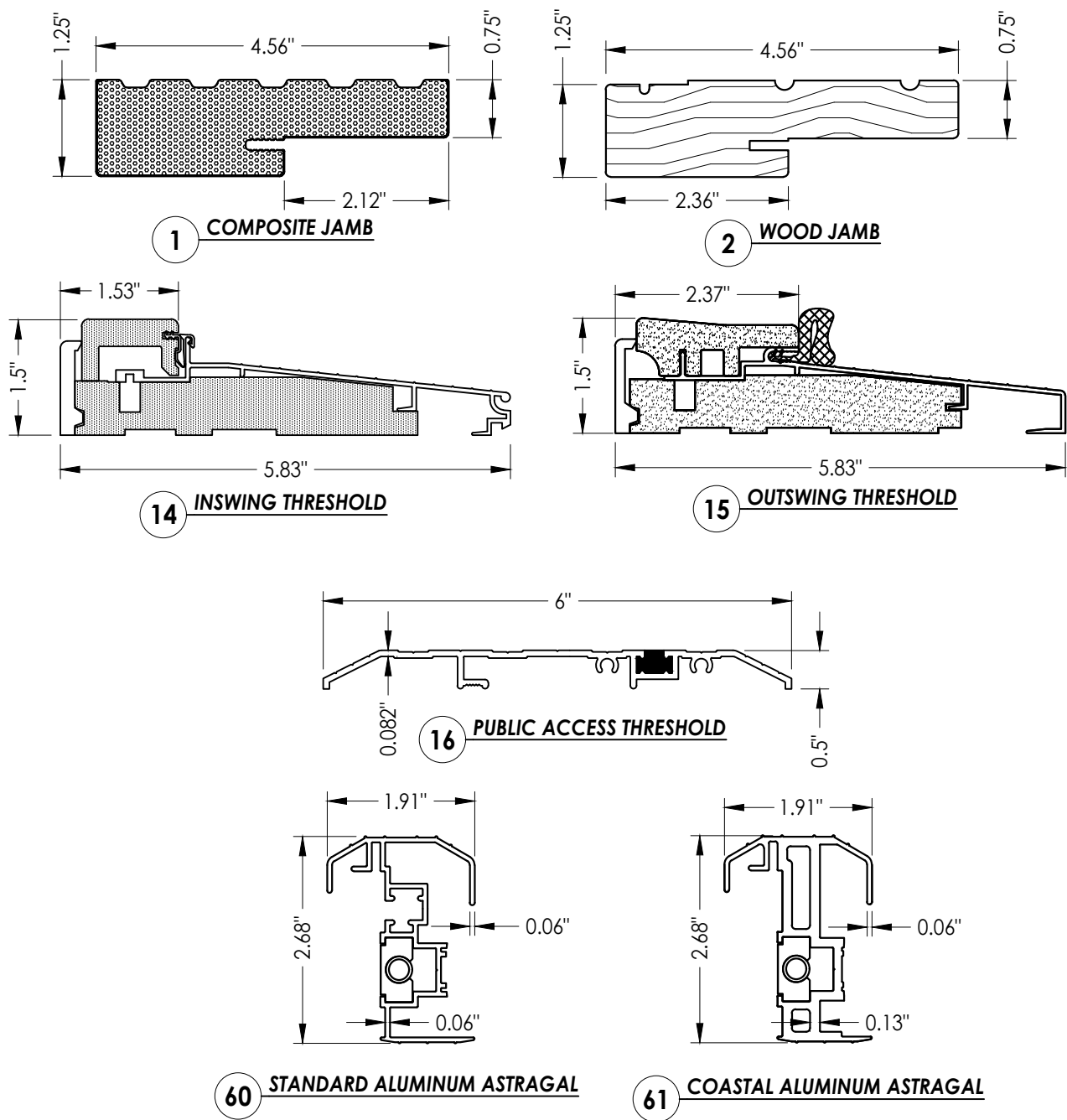
MULTIPOINT LOCK STRIKE DETAILS

DATE: 5/06/26 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: FL-48194.8 SHEET 9 OF 10		REVISIONS	
NO.	DATE	UPDATE TO 9TH ED. (2026) FBC	LFS
1	8/17/26		BY
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HARDWARE DETAILS	
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	

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
P	1/4" X 2-3/4" PFH ELCO CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	WOOD JAMB (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#10 X 1" PFH WOOD SCREW	STEEL
11	#10 X 3/4" PFH WOOD SCREW	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
16	PUBLIC ACCESS THRESHOLD	ALUM
19	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
31	#8 X 3/4" PFH WOOD SCREW	STEEL
33	DEADBOLT STRIKE PLATE	STEEL
34	LATCH STRIKE PLATE	STEEL
35	MULTIPOINT LATCH STRIKE PLATE	STEEL
37	MULTIPOINT TONGUE STRIKE PLATE	STEEL
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
59	#10 X 1-1/2" PPH SMS	STEEL
60	STANDARD ALUMINUM ASTRAGAL	ALUM
61	COASTAL ALUMINUM ASTRAGAL	ALUM
62	ASTRAGAL STRIKE PLATE	STEEL
78	MULTIPOINT LOCK STRIKE PLATE	STEEL
79	MULTIPOINT LOCK STRIKE PLATE	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:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- 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	AS SHOWN

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

Documents Prepared By:
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P.E. No. 43409

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS
1	8/17/26	LFS	UPDATE TO 9TH ED. (2026) FBC

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

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SHEET 10 OF 10