

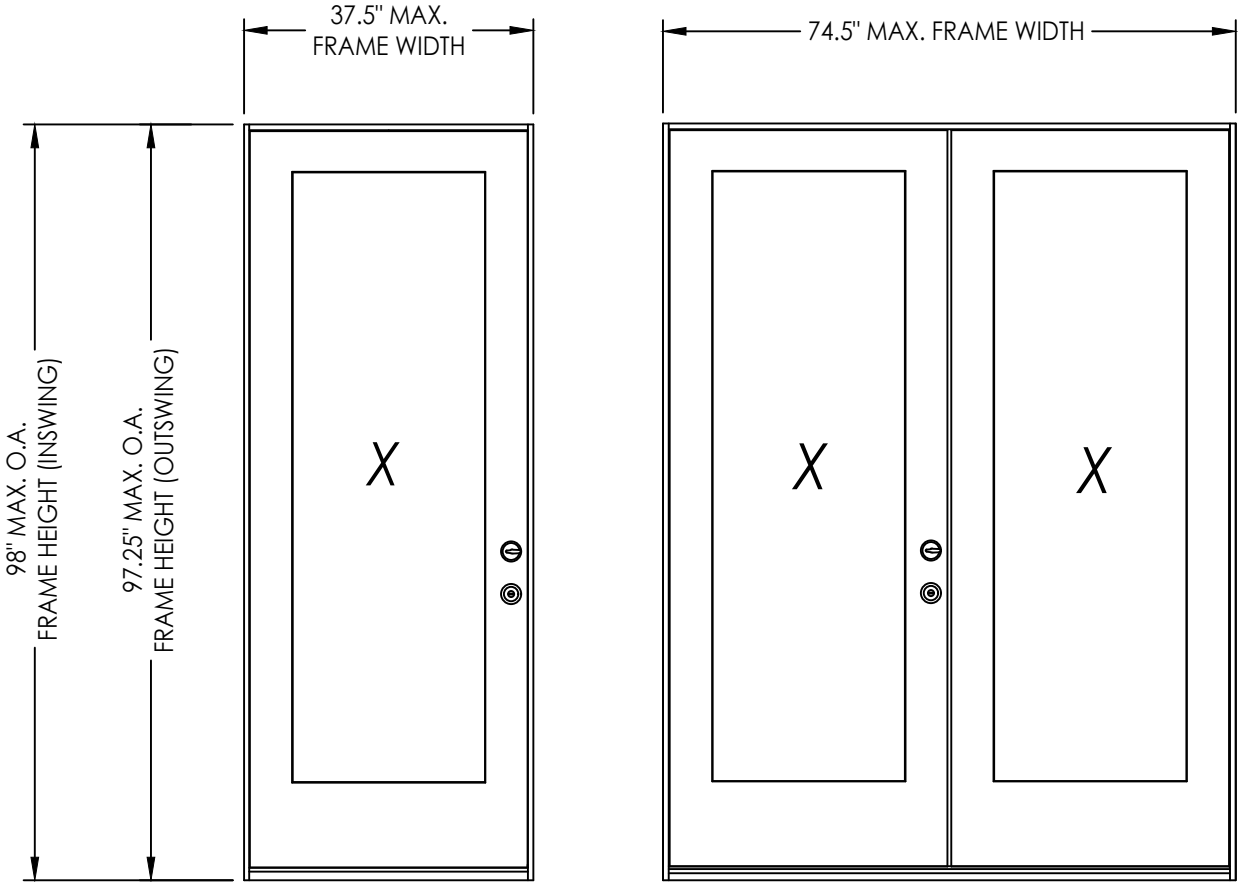


"SHAKER"
OPAQUE FIBERGLASS
SINGLE or DOUBLE DOOR
INSWING/OUTSWING
"IMPACT"

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 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 E1996.
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.

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SHEET #	DESCRIPTION
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6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck Anchoring
9	Frame Anchoring
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11	Hardware Details (XX)
12	Bill of Materials and components



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X, XX	+50.0	-50.0	+50.0	-50.0

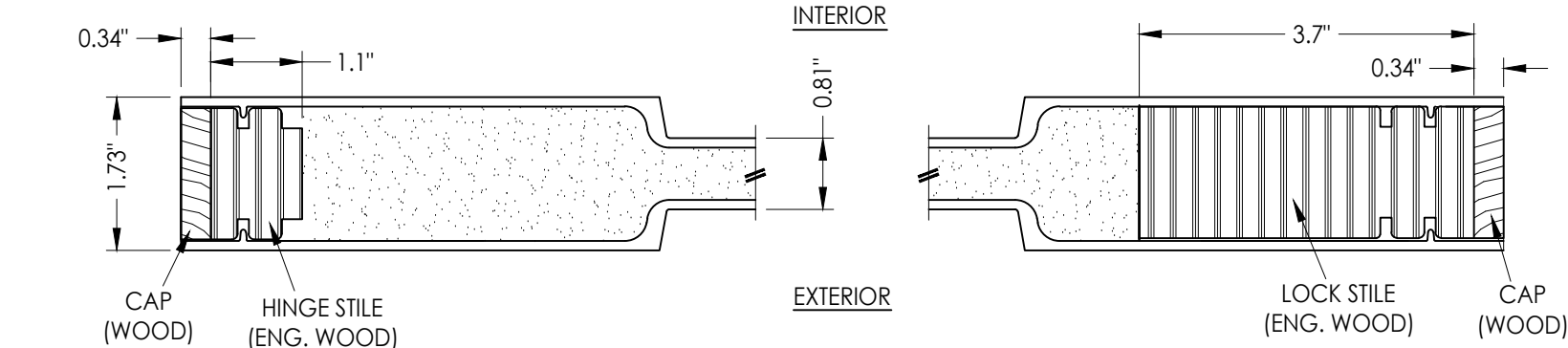
Digitally signed by Lyndon F
Schmidt
Date: 2026.08.08 15:51:32 -04'00'

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.

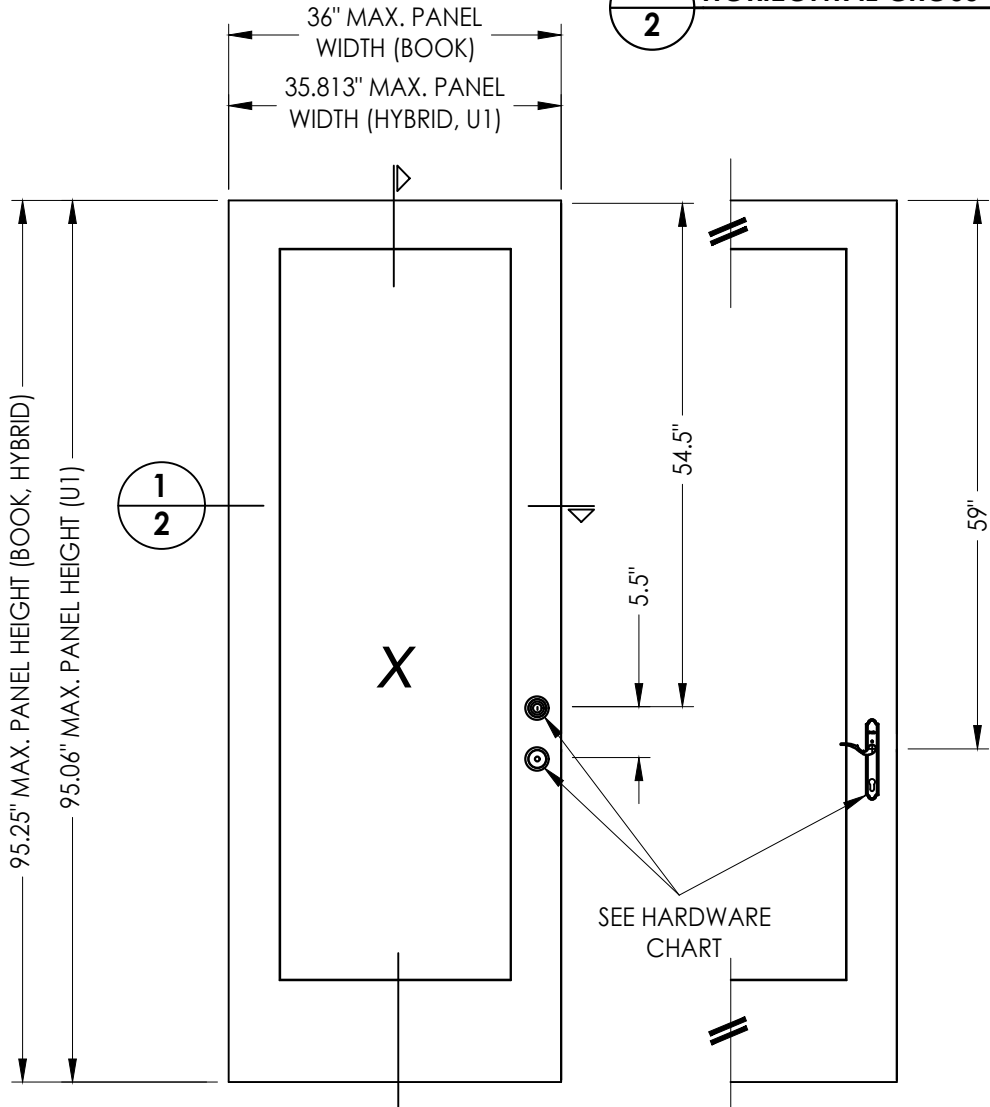
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

DATE: 2/21/19		PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: MT		3 7/01/26 UPDATE TO 9TH ED. (2026) FBC LFS			
CHK. BY: LFS		2 7/27/23 UPDATE TO 8TH ED. (2023) FBC LFS			
DRAWING NO.: FL-28897.14		1 7/15/20 UPDATE TO 7th ED (2020) FBC LFS			
SHEET 1 OF 12		NO. DATE BY			
		REVISIONS			

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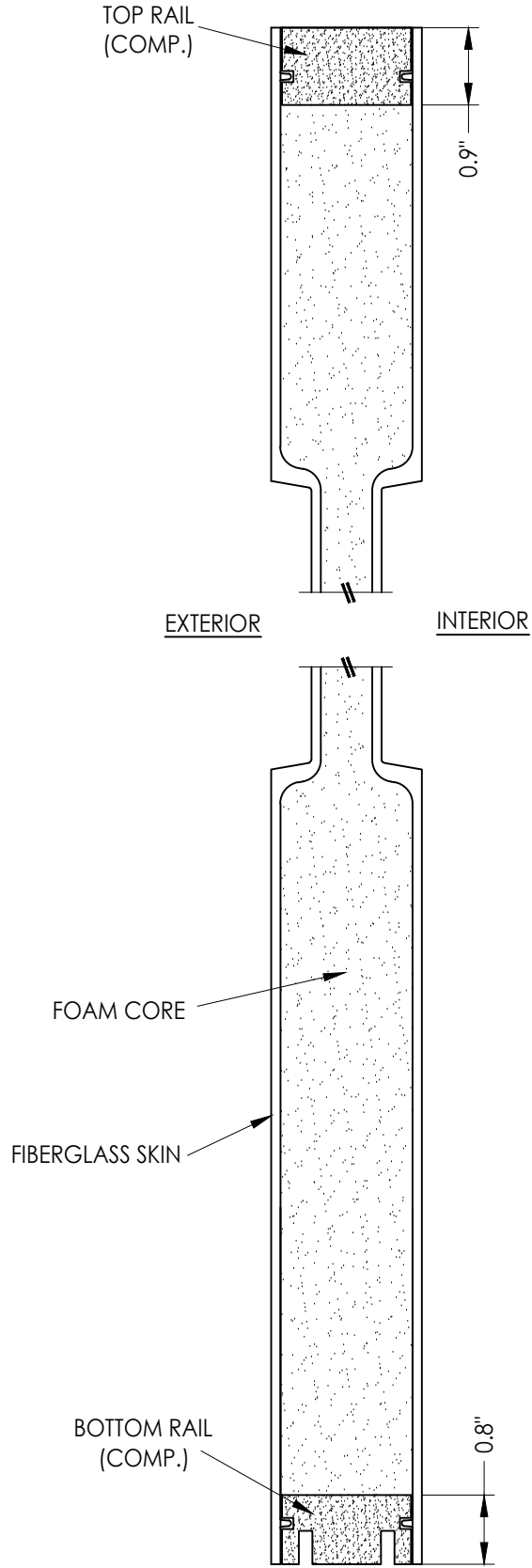
1
2 **HORIZONTAL CROSS SECTION**



2
2 **DOOR PANEL**
Classic-Craft Shaker

FIBERGLASS SKIN: 0.140" MIN. THICKNESS
FOAM CORE: POLYURETHANE (1.9 PCF)

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	KNOB:	F SERIES (F10)
	DEADBOLT:	B SERIES (B60)
HOPPE (Therma-Tru)	MULTIPOINT LOCK: MPDGSB (3 pt. Manual Shootbolt)	



2
2 **VERTICAL CROSS SECTION**

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

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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DATE: 2/21/19

SCALE: N.T.S.

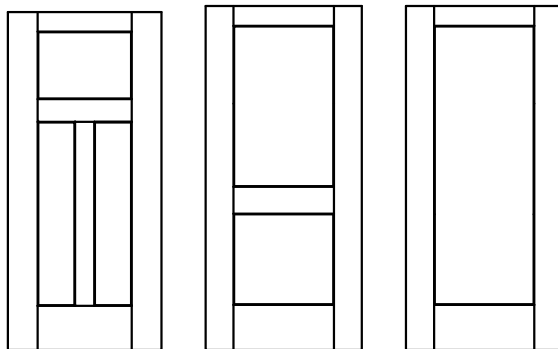
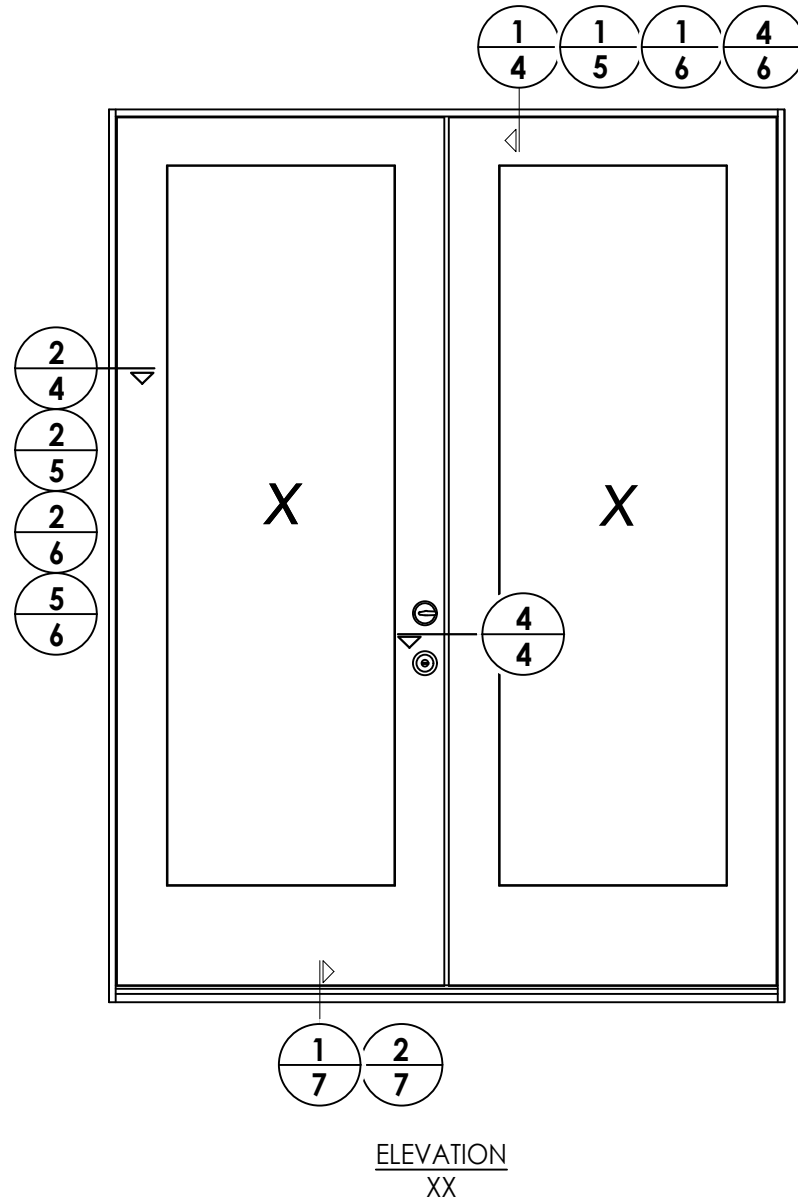
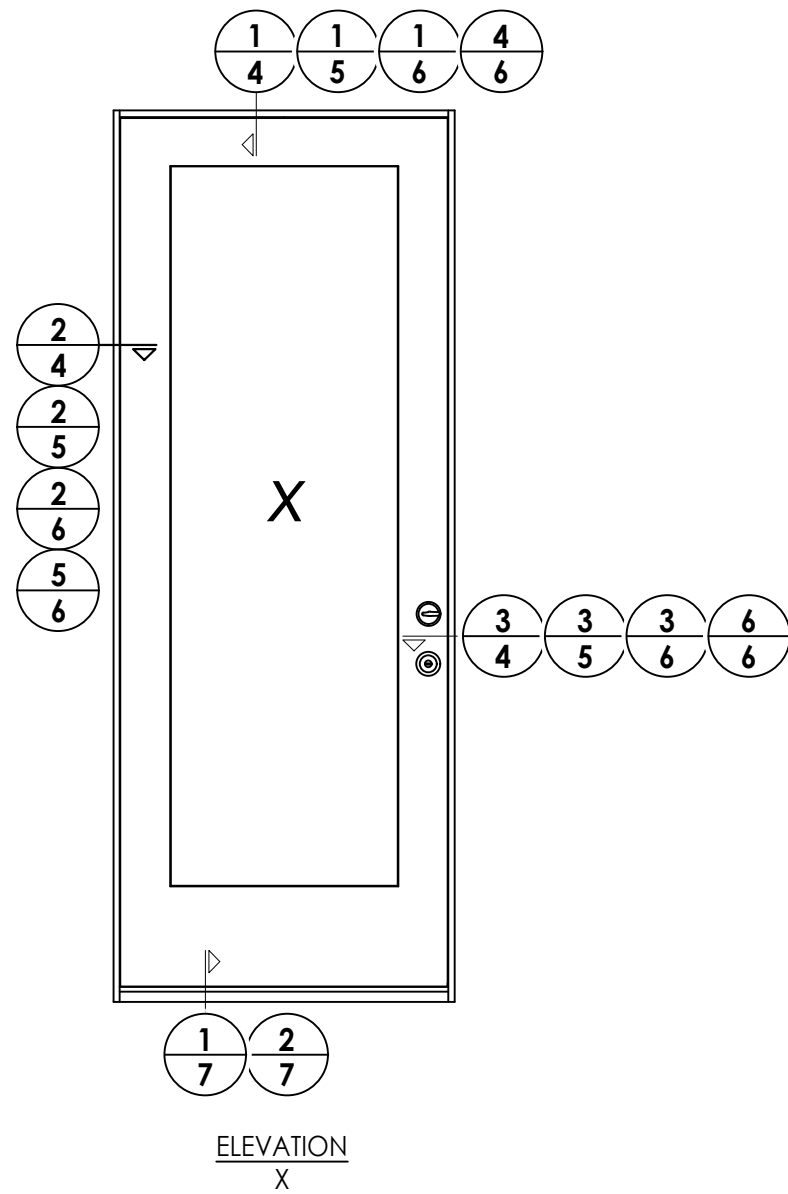
DWG. BY: MT

CHK. BY: LFS

DRAWING NO.:

FL-28897.14

SHEET 2 OF 12



Classic-Craft Shaker Door Panel Options

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

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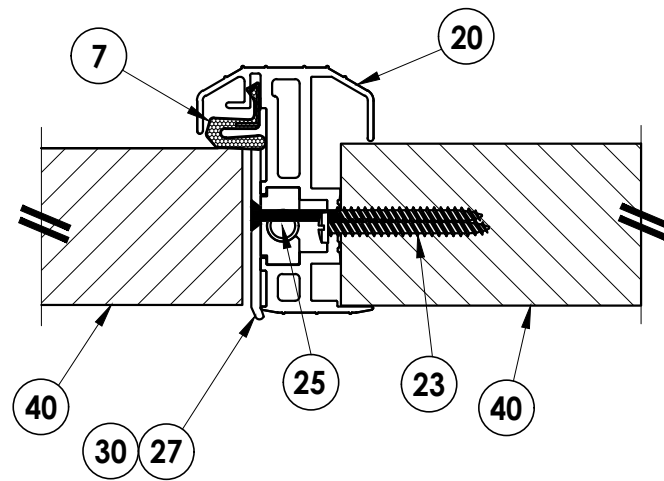
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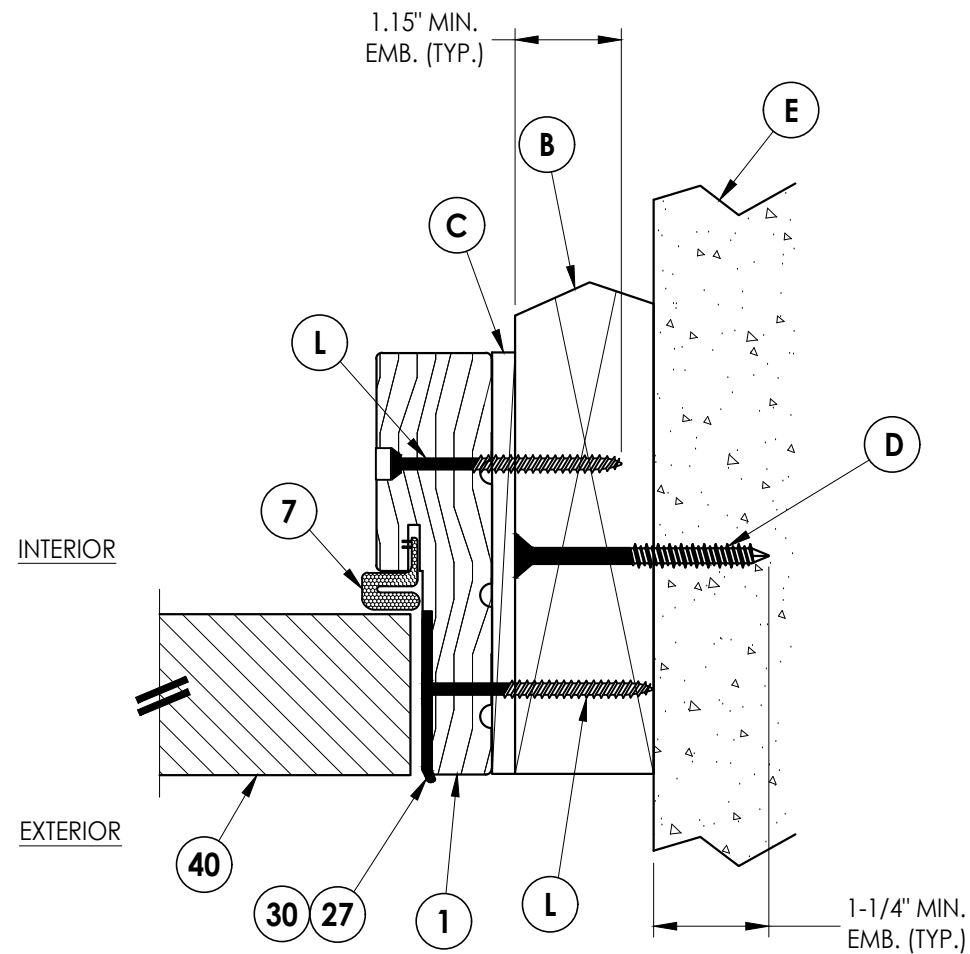
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Technical drawing of a window frame cross-section. The drawing shows the exterior and interior components. The exterior side (left) is labeled "EXTERIOR" and the interior side (right) is labeled "INTERIOR". The exterior wall is labeled "E" and the interior wall is labeled "L". The window frame is labeled "B" and "C". The sill is labeled "40" and "1". A vertical dimension line indicates a minimum height of 1-1/4 inches for the exterior wall. A break symbol is shown at the bottom center.

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



4 HORIZONTAL CROSS SECTION
4 Outswing shown (Inswing similar)



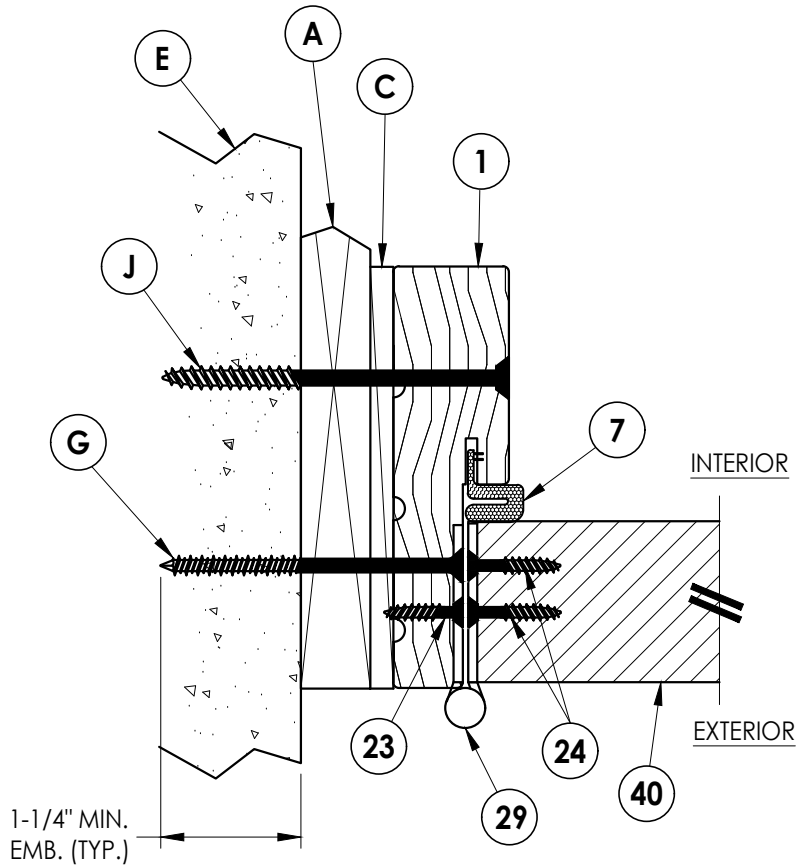
3 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck
 Outswing shown (Inswing similar)

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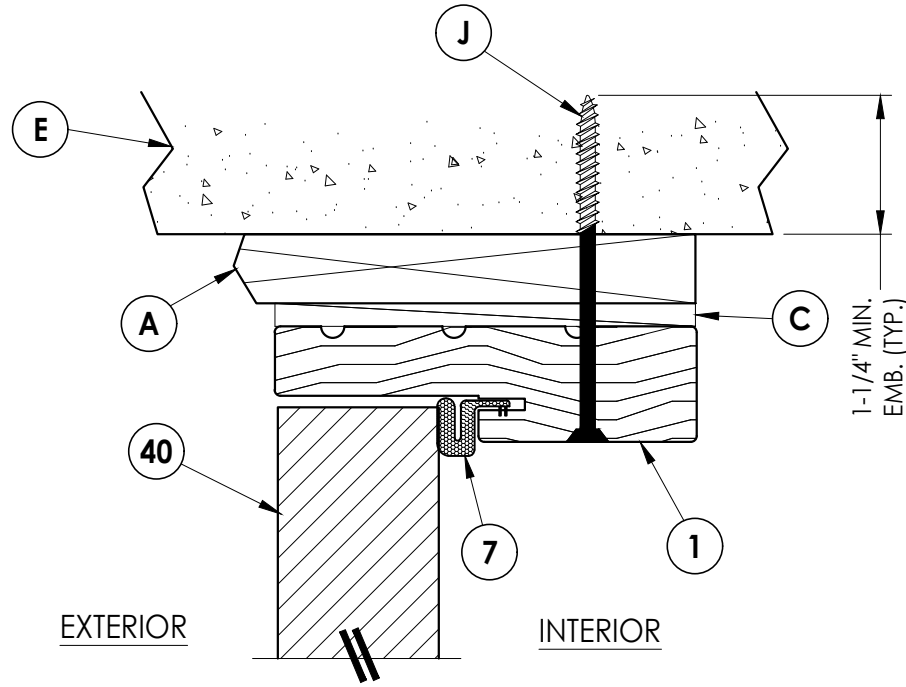
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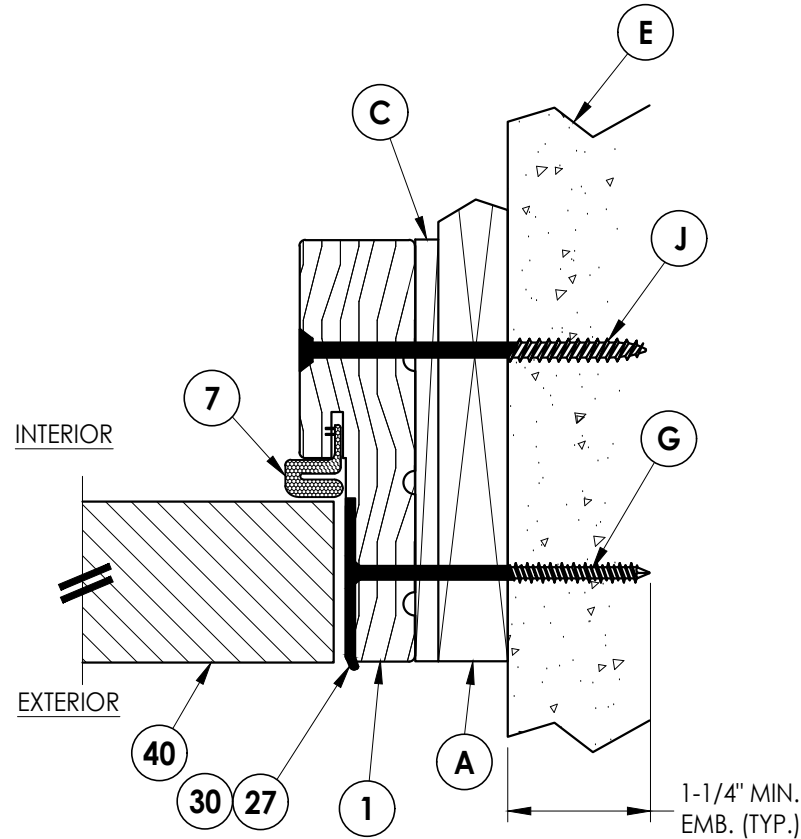
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2 HORIZONTAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

PRODUCT:			
THERMA-TRU FIBERGLASS DOOR			
PART OR ASSEMBLY:			
HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			
REVISIONS			
NO.	DATE	BY	
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
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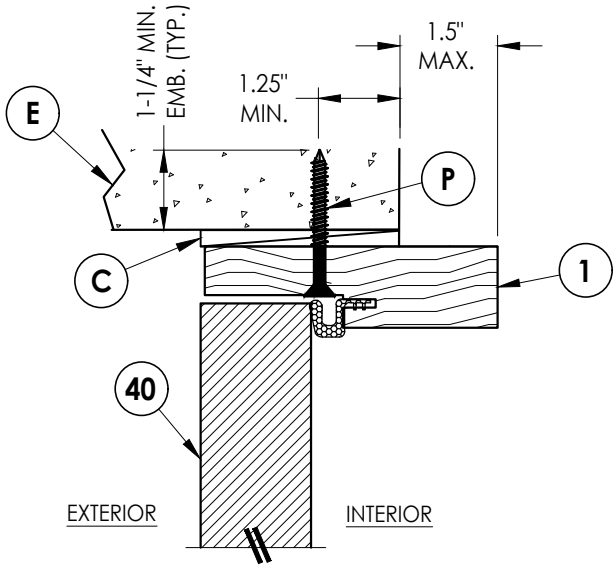
FL-28897.14

SHEET 5 OF 12

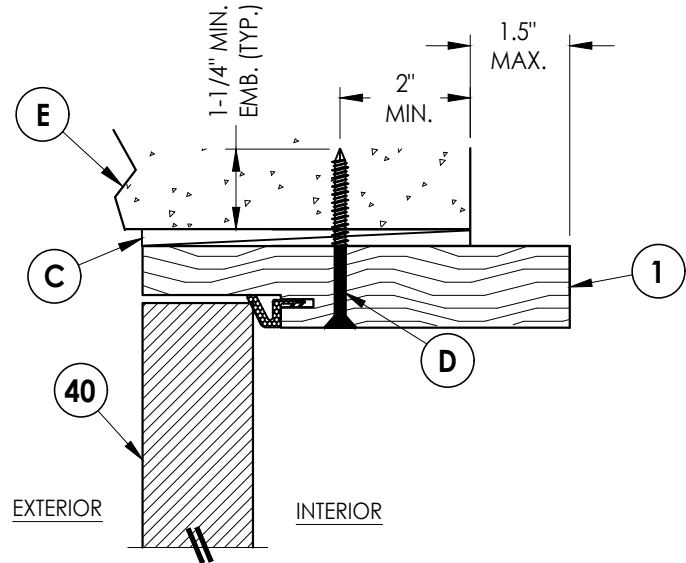
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Phone No.: 813.659.9197
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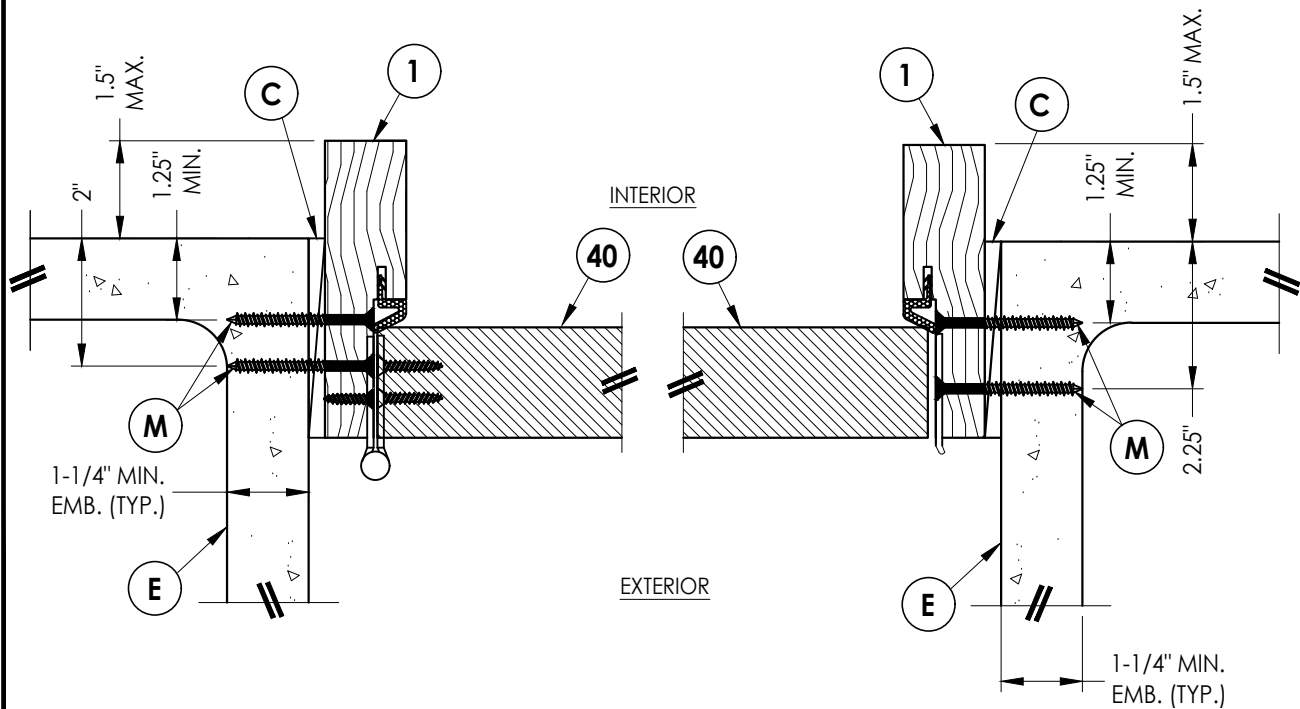
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1/6 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

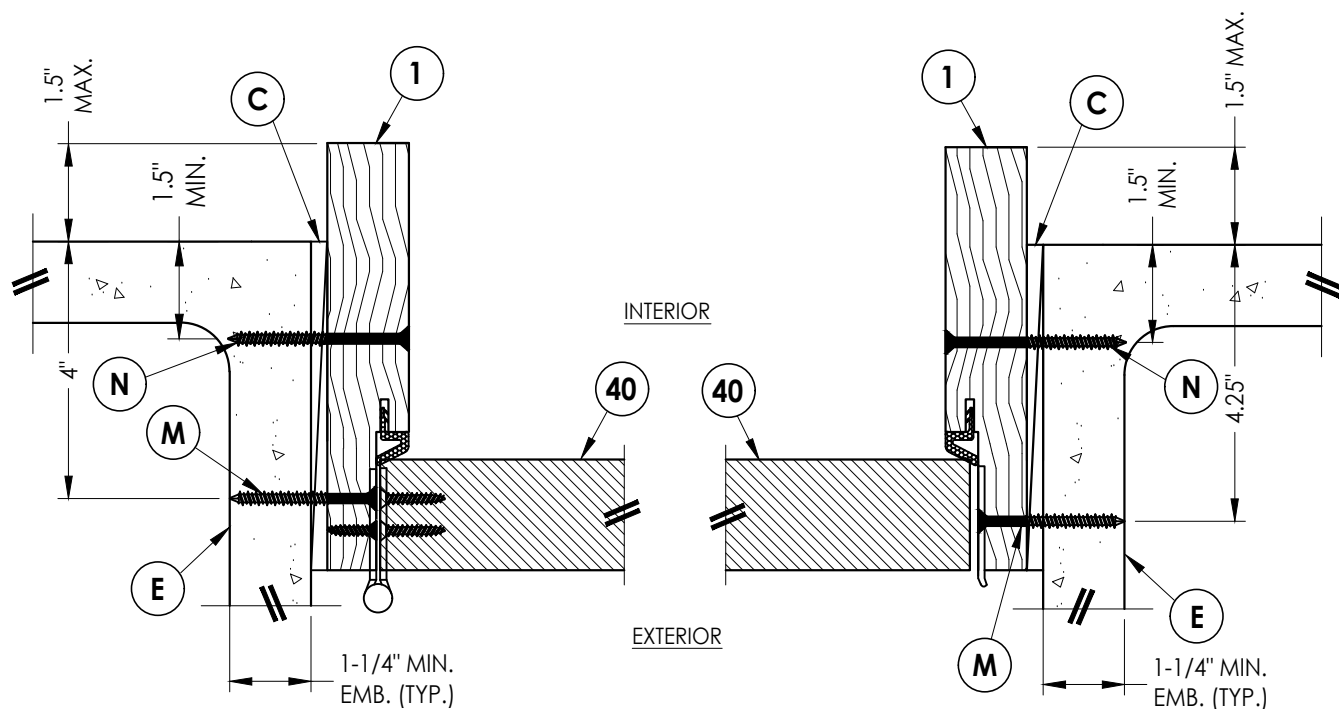


4/6 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



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)

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

DATE: 2/21/19

SCALE: N.T.S.

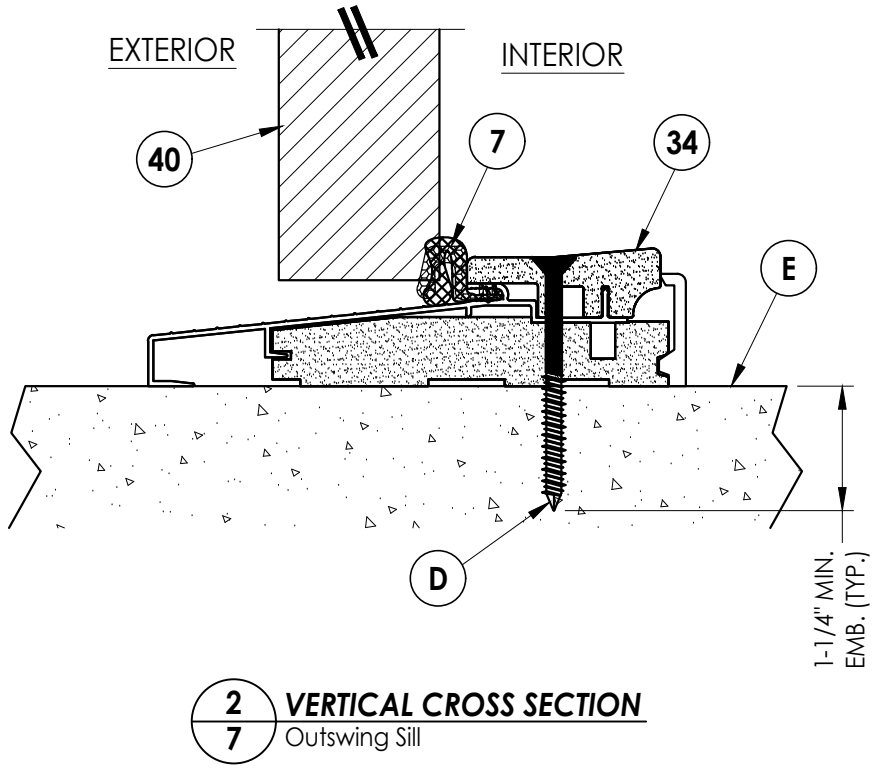
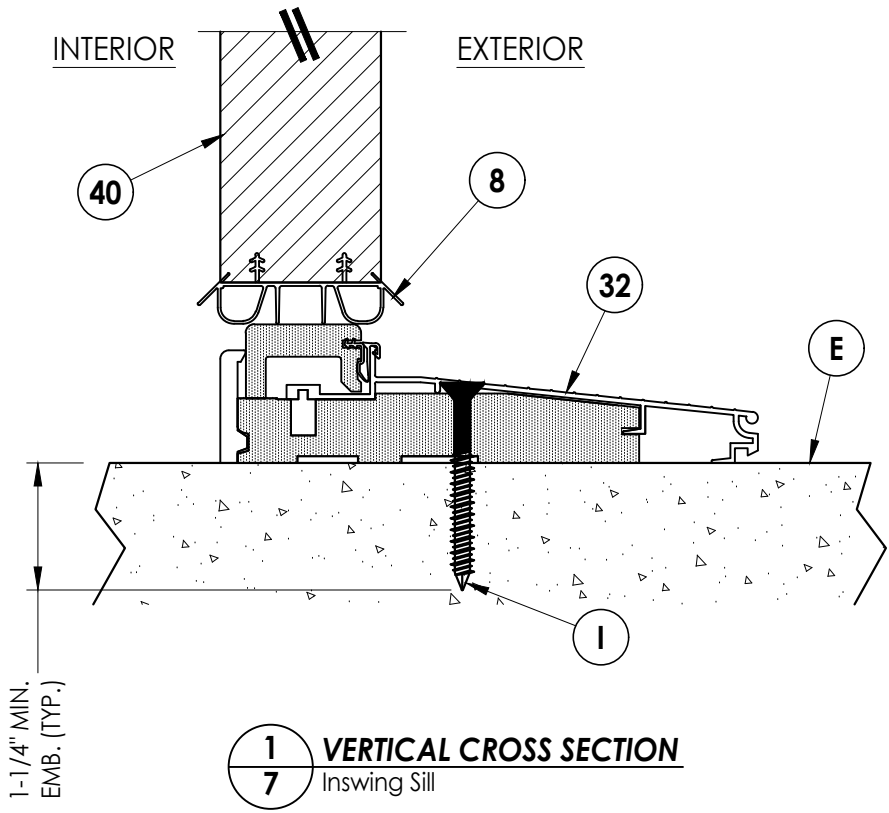
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CHK. BY: LFS

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FL-28897.14

SHEET 6 OF 12

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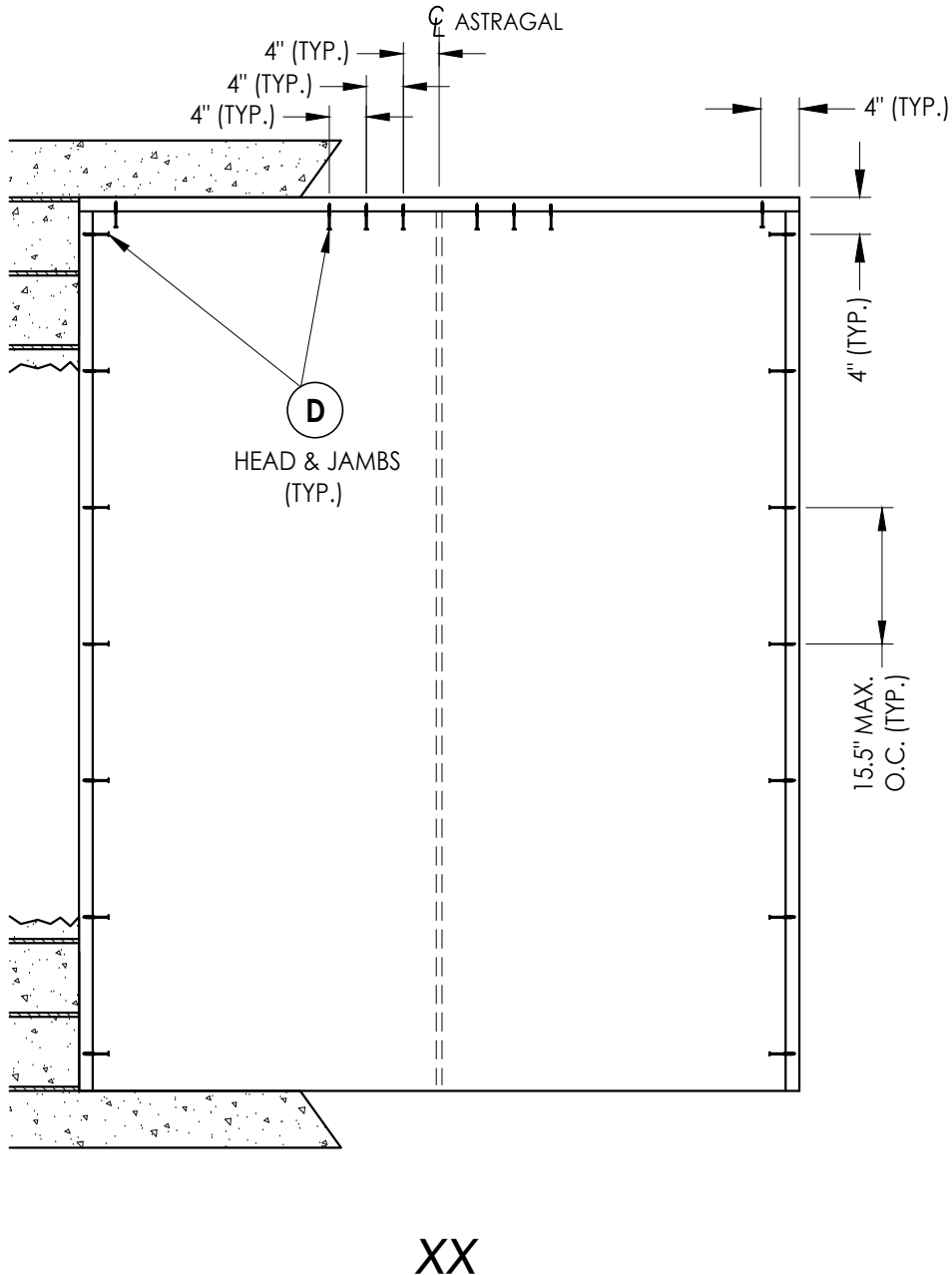
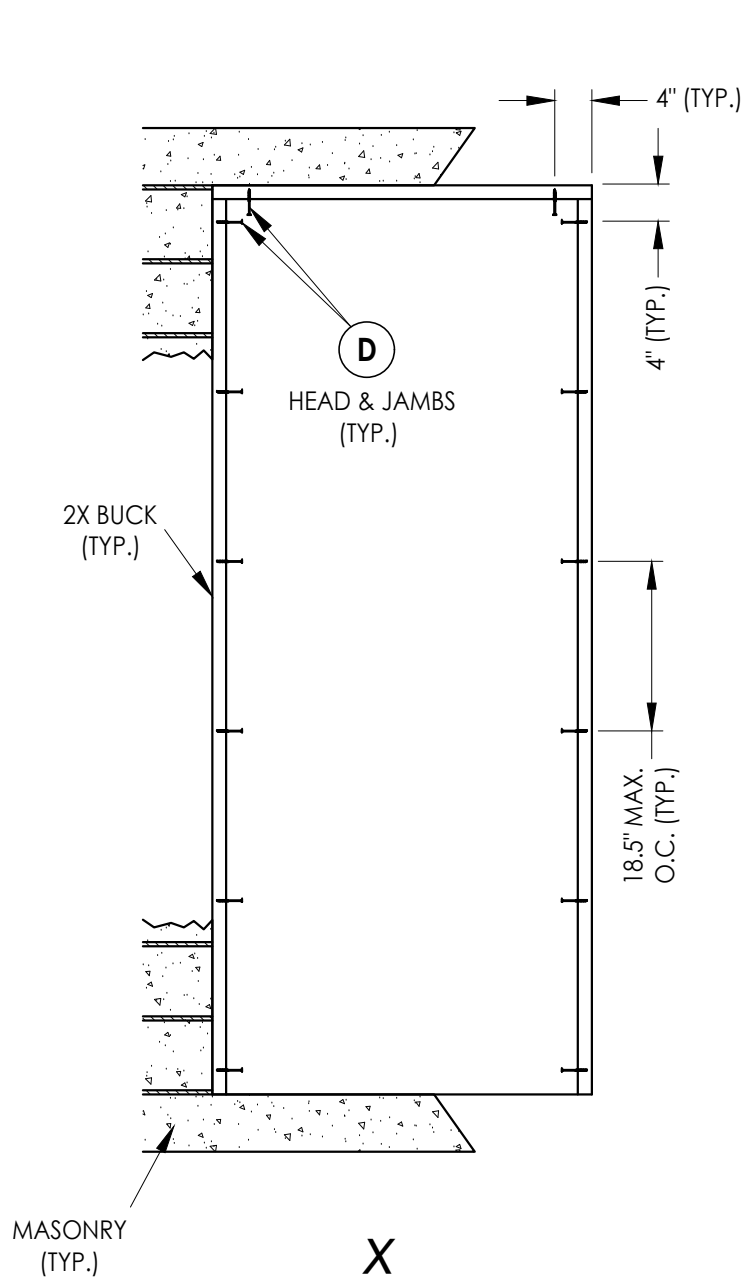
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CHK. BY:	LFS
DRAWING NO.:	FL-28897.14
SHEET	7 OF 12

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC LFS
		BY

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

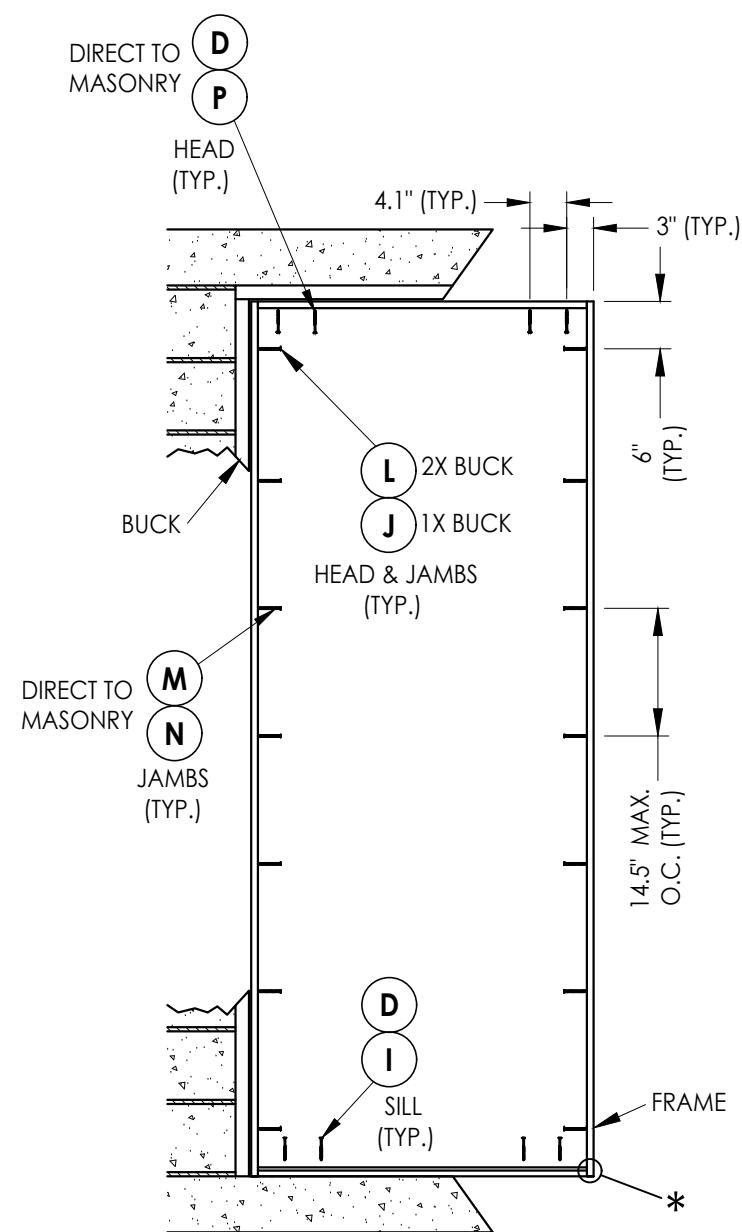
Documents Prepared By:
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P.E. No. 43409

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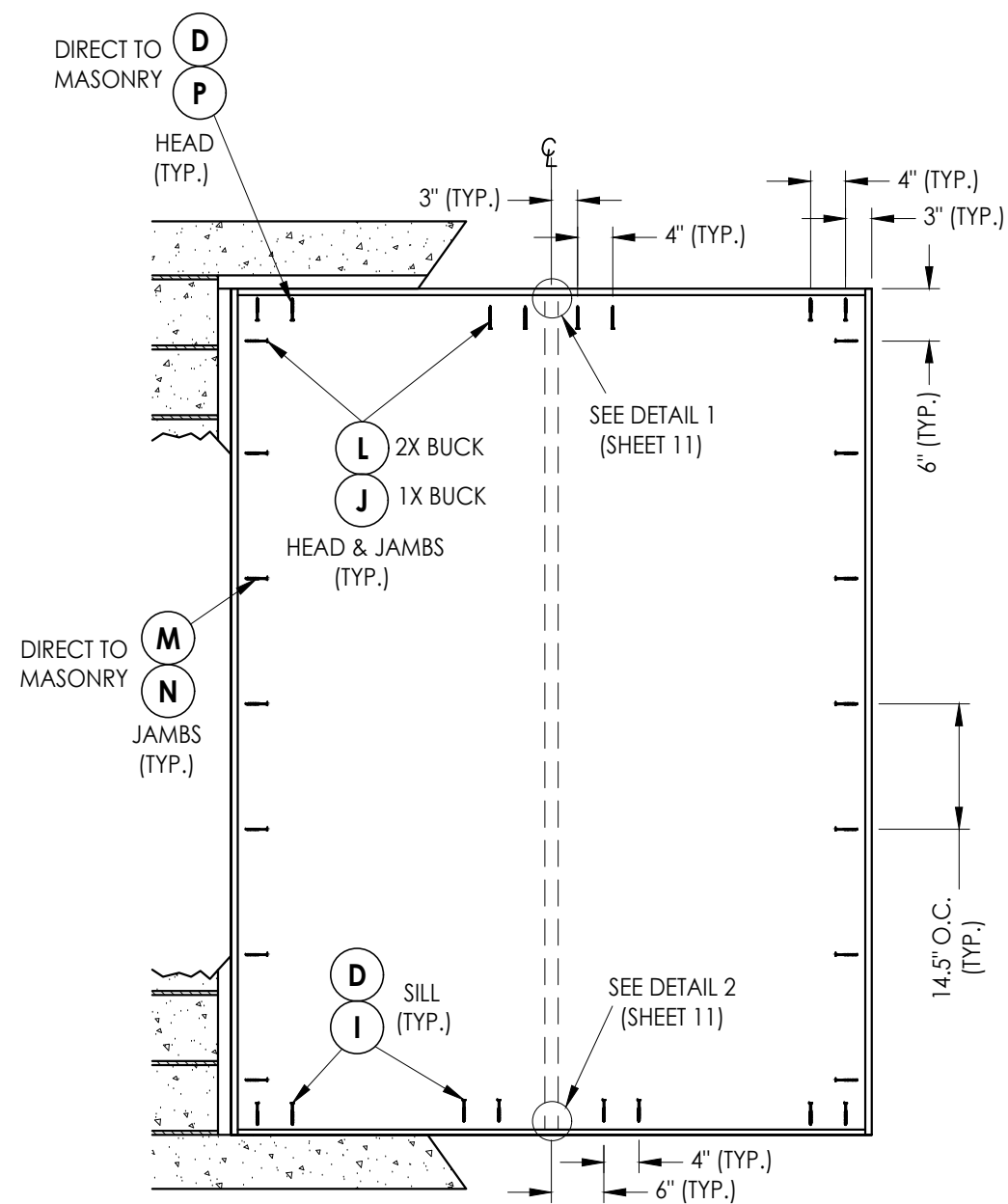


2X BUCK ANCHORING

DATE: 2/21/19				PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.				THERMA-TRU FIBERGLASS DOOR		Lyndon F. Schmidt P.E. No. 43409	
DWG. BY: MT				PART OR ASSEMBLY:		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
CHK. BY: LFS				BUCK ANCHORING			
DRAWING NO.: FL-28897.14							
SHEET 8 OF 12							
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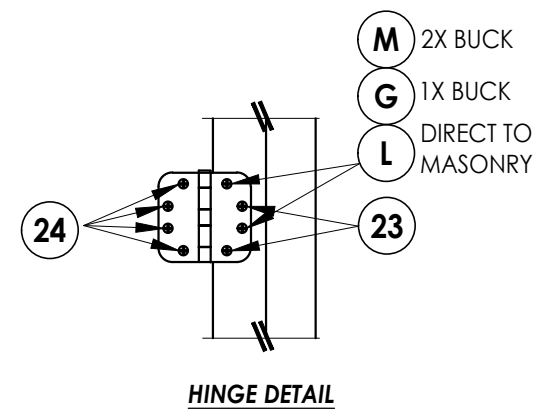
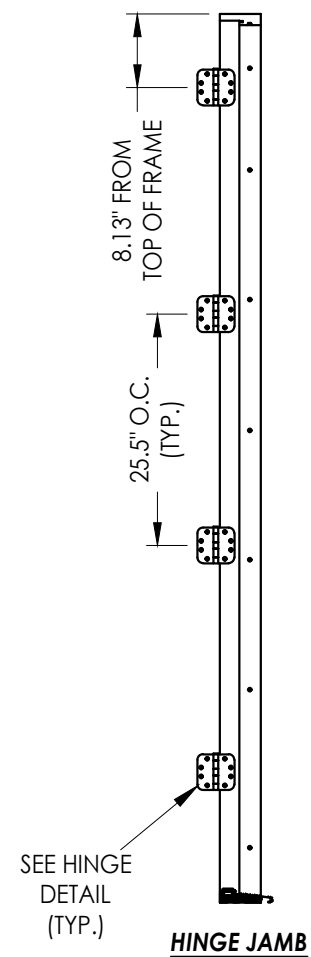


X



XX

FRAME ANCHORING



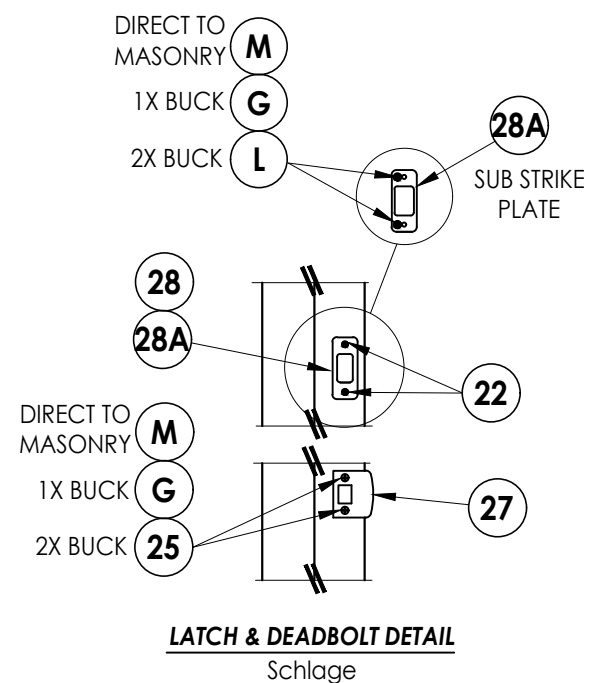
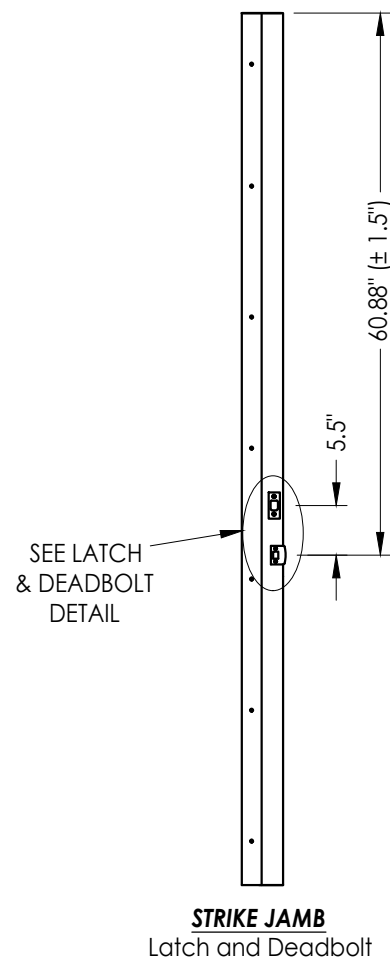
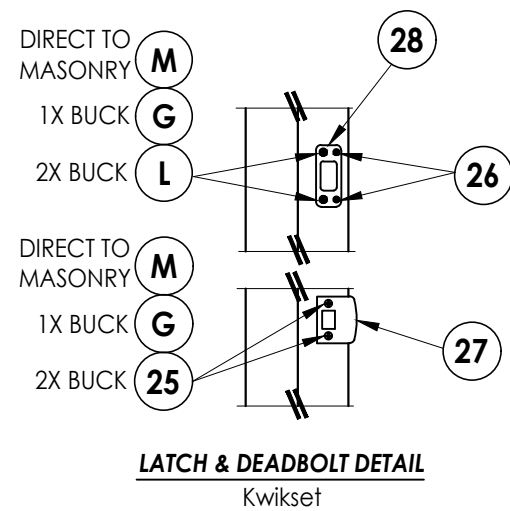
* FRAME CORNERS ATTACHED w/ (3) #8 X 2-1/2"
FH DEEP THREAD WOOD SCREWS (TYP.)

[illegible]

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Lyndon F. Schmidt
P.E. No. 43409

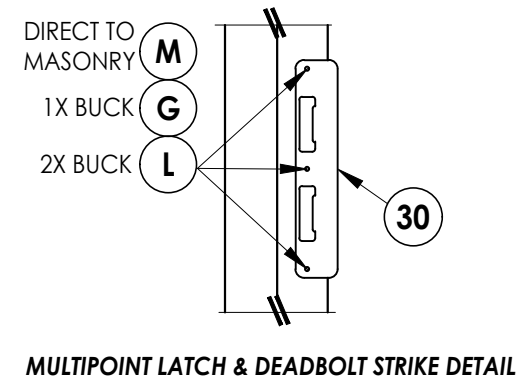
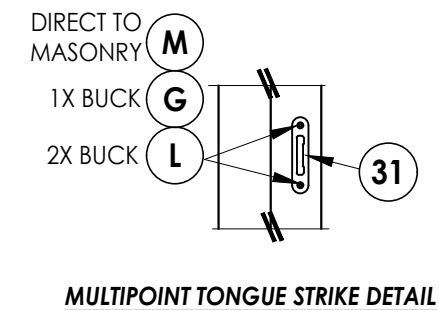
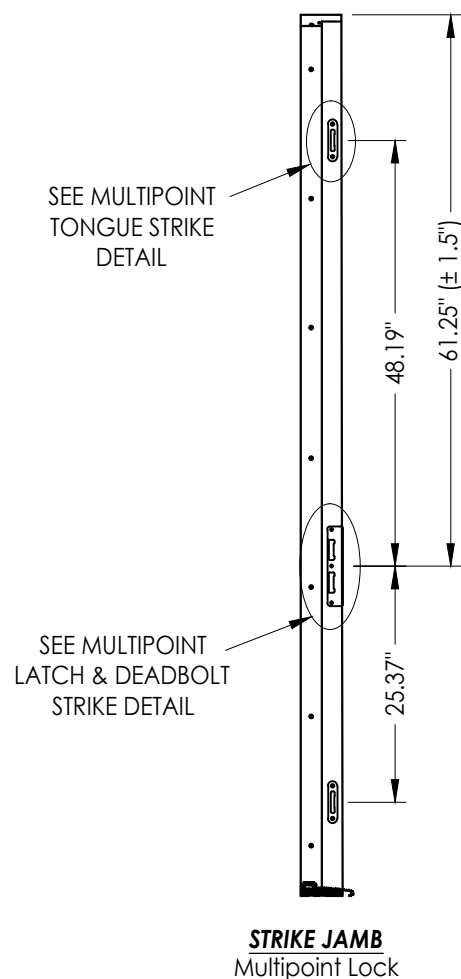
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LATCH & DEADBOLT STRIKE DETAILS

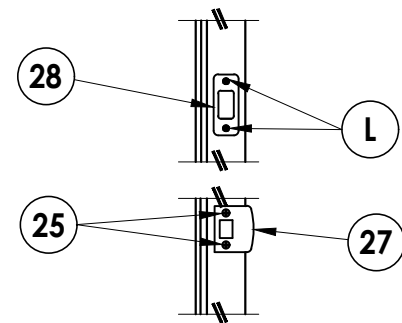
(Standard Deadbolt Strike Plate)



MULTIPOINT LOCK STRIKE DETAILS

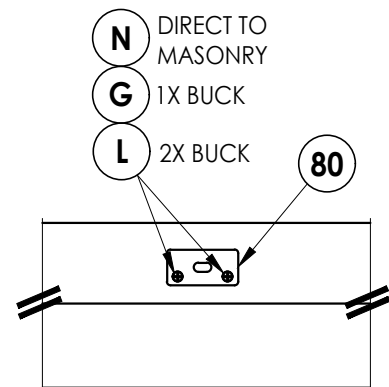
HARDWARE DETAILS

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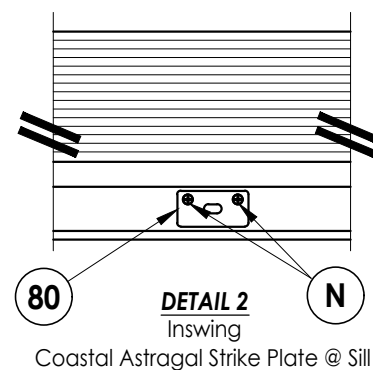


LATCH & DEADBOLT DETAIL

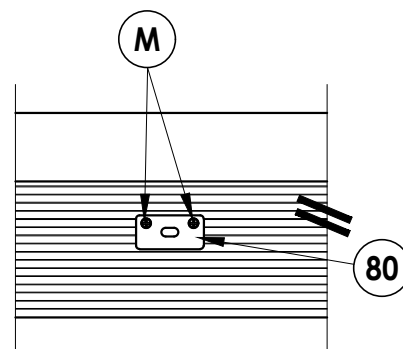
Schlage / Kwikset



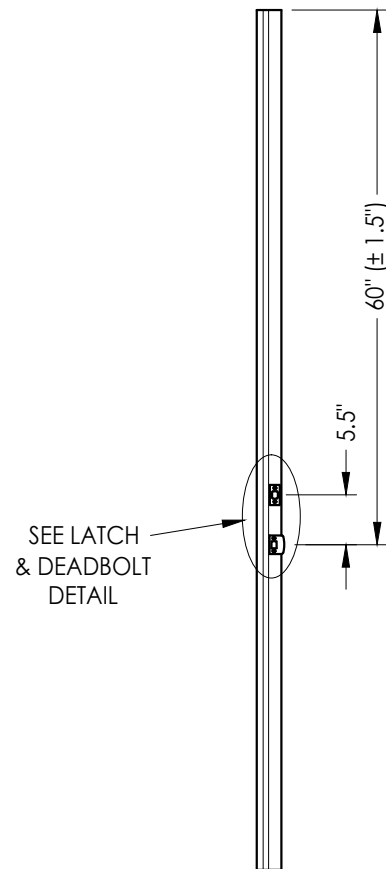
DETAIL 1
Coastal Astragal Strike Plate @ Head



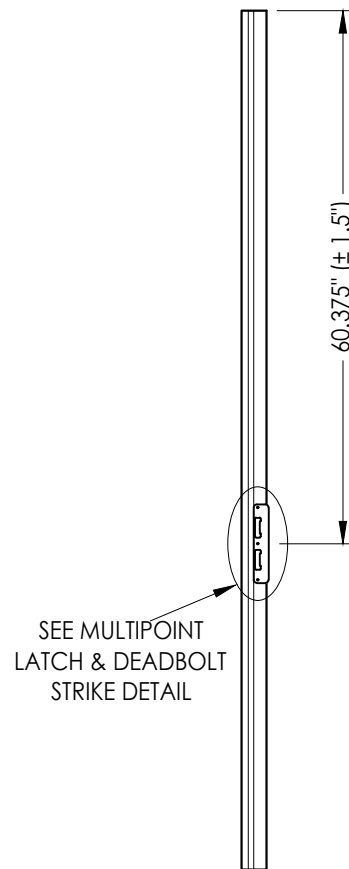
Coastal Astragal Strike Plate @ Sill



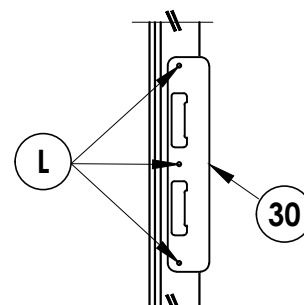
DETAIL 2
Outswing
Coastal Astragal Strike Plate @ Sill



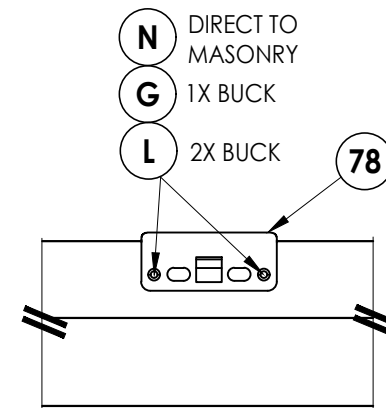
ASTRAGAL
Latch and Deadbolt



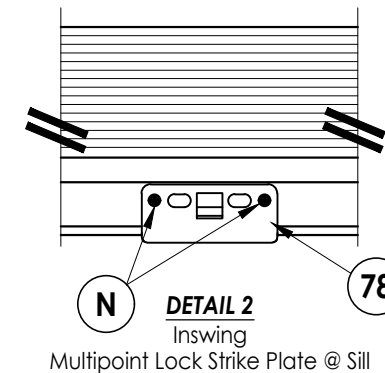
ASTRAGAL Multipoint Lock



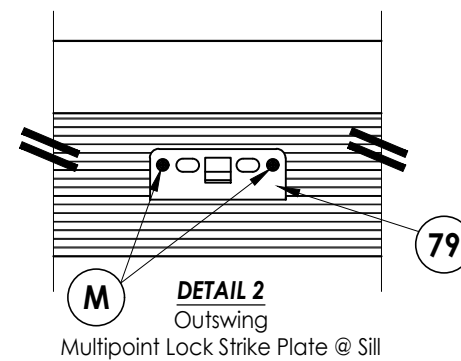
MULTIPOINT LATCH & DEADBOLT STRIKE DETAIL



DETAIL 1
Multipoint Lock Strike Plate @ Head



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



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

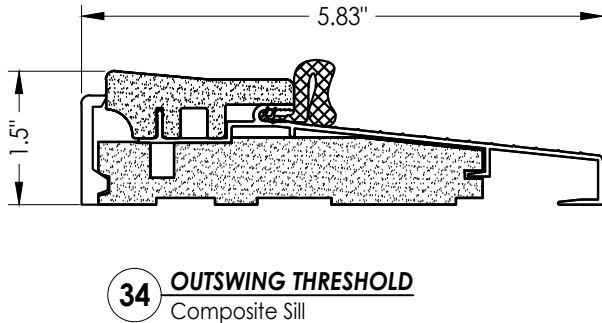
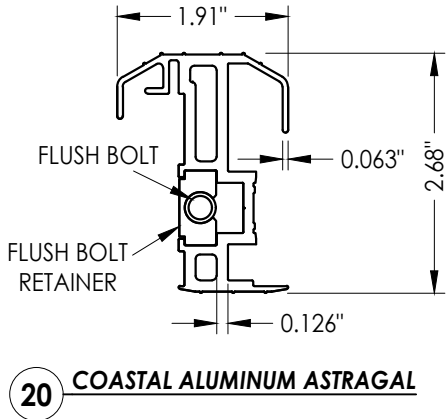
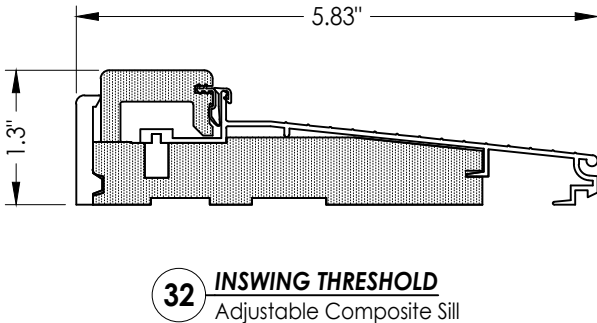
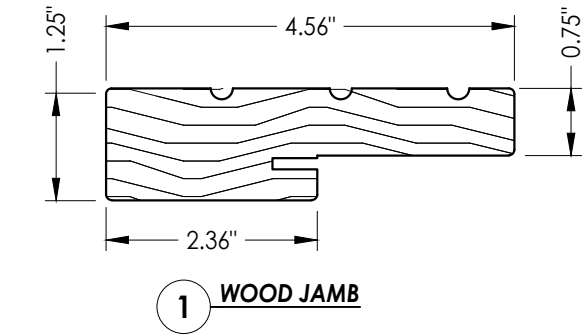
MULTIPOINT LOCK STRIKE DETAILS

DATE: 02/21/19				REVIEWS <table><tr><td>NO.</td><td>DATE</td><td></td></tr><tr><td>3</td><td>7/01/26</td><td>UPDATE TO 9TH ED. (2026) FBC</td></tr><tr><td>2</td><td>7/27/23</td><td>UPDATE TO 8TH ED. (2023) FBC</td></tr><tr><td>1</td><td>7/15/20</td><td>UPDATE TO 7th ED (2020) FBC</td></tr><tr><td></td><td></td><td></td></tr></table>				NO.	DATE		3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	2	7/27/23	UPDATE TO 8TH ED. (2023) FBC	1	7/15/20	UPDATE TO 7th ED (2020) FBC			
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SCALE: N.T.S.																						
DWG. BY: MT																						
CHK. BY: LFS																						
DRAWING NO.: FL-28897.14																						
SHEET 11 OF 12																						
PRODUCT: THERMA-TRU FIBERGLASS DOOR																						
PART OR ASSEMBLY: HARDWARE DETAILS (XX)																						
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 ELCO 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
I	1/4" X 2-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO 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	JAMB (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
20	COASTAL ALUMINUM ASTRAGAL	ALUM
22	#8 X 3/4" PFH WOOD SCREW	STEEL
23	#10 X 3/4" PPH WOOD SCREW	STEEL
24	#10 X 1" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
28A	DEADBOLT SUB STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	MULTIPOINT LOCK STRIKE PLATE	STEEL
31	MULTIPOINT LOCK TONGUE STRIKE PLATE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
34	OUTSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL	-
78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL



CORROSION RESISTANCE - SALTWATER ENVIRONMENT
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"
ELCO 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.

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RWBUILDING 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: BILL OF MATERIALS AND COMPONENTS	
		LFS	BY
		3	DATE
		7/01/26	DATE
		2	DATE
		7/27/23	DATE
		1	DATE
		7/15/20	DATE
		NO.	DATE
REVISIONS			
DATE: 2/21/19			
SCALE: N.T.S.			
DWG. BY: MT			
CHK. BY: LFS			
DRAWING NO.: FL-28897.14			
SHEET 12 OF 12			