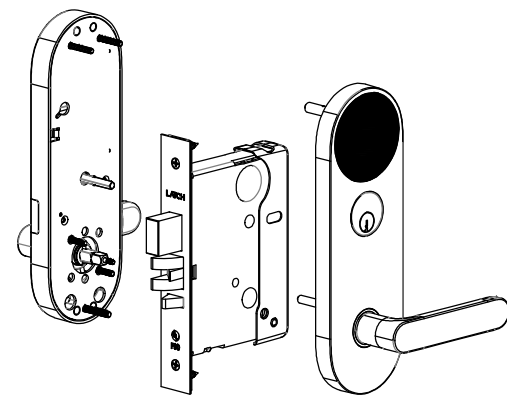
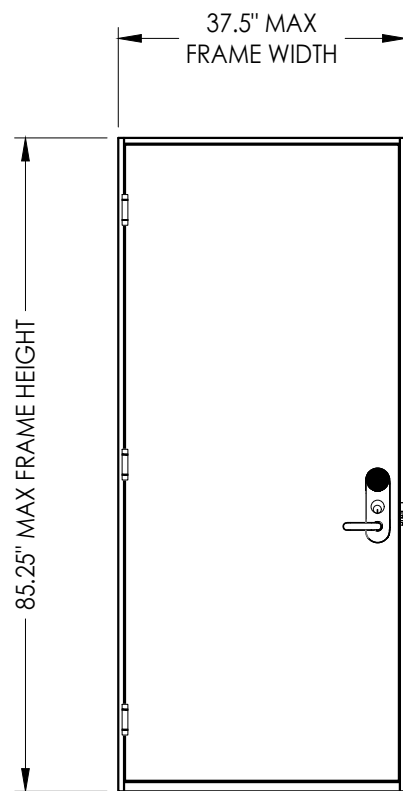


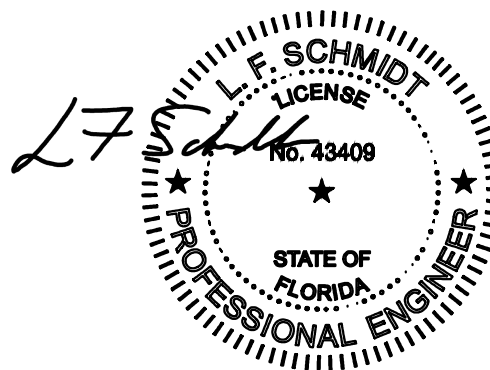
GENERAL NOTES

- | TABLE OF CONTENTS | |
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| 2 | Lock details |
| 3 | Door panel details |
| 4 | Horizontal and vertical cross sections (2x buck) |
| 5 | Horizontal and vertical cross sections (1x buck) |
| 6 | Vertical cross sections (Thresholds) |
| 7 | Buck and frame anchoring |
| 8 | Bill of materials and components |

MAX FRAME DIMENSION	LOCK TYPE	DOOR MATERIAL	JAMB MATERIAL	DESIGN PRESSURE (PSF)			
				INSWING		OUTSWING	
				POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
37.75" x 85.25"	"M" SERIES SMART LOCK	STEEL (WOOD EDGE)	COMPOSITE	+65.0	-70.0	+65.0	-70.0
			FINGER JOINT PINE	+50.0	-70.0	+65.0	-70.0



"M" Series *Electronic Lock*



Digitally signed by Lyndon F Schmidt
Date: 2023.09.13 11:22:35 -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

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: LATCH
"M" SERIES ELECTRONIC LOCK
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

							LFS
							LFS
							BY
							REVISIONS
NO.	DATE						
2	9/13/23	UPDATE TO	8TH ED.	(2023)	FBC		LFS
1	8/03/20	UPDATE TO	7th ED	(2020)	FBC		LFS

DATE: 02/12/18

SCALE: *N.T.S.*

DWG. BY: JK

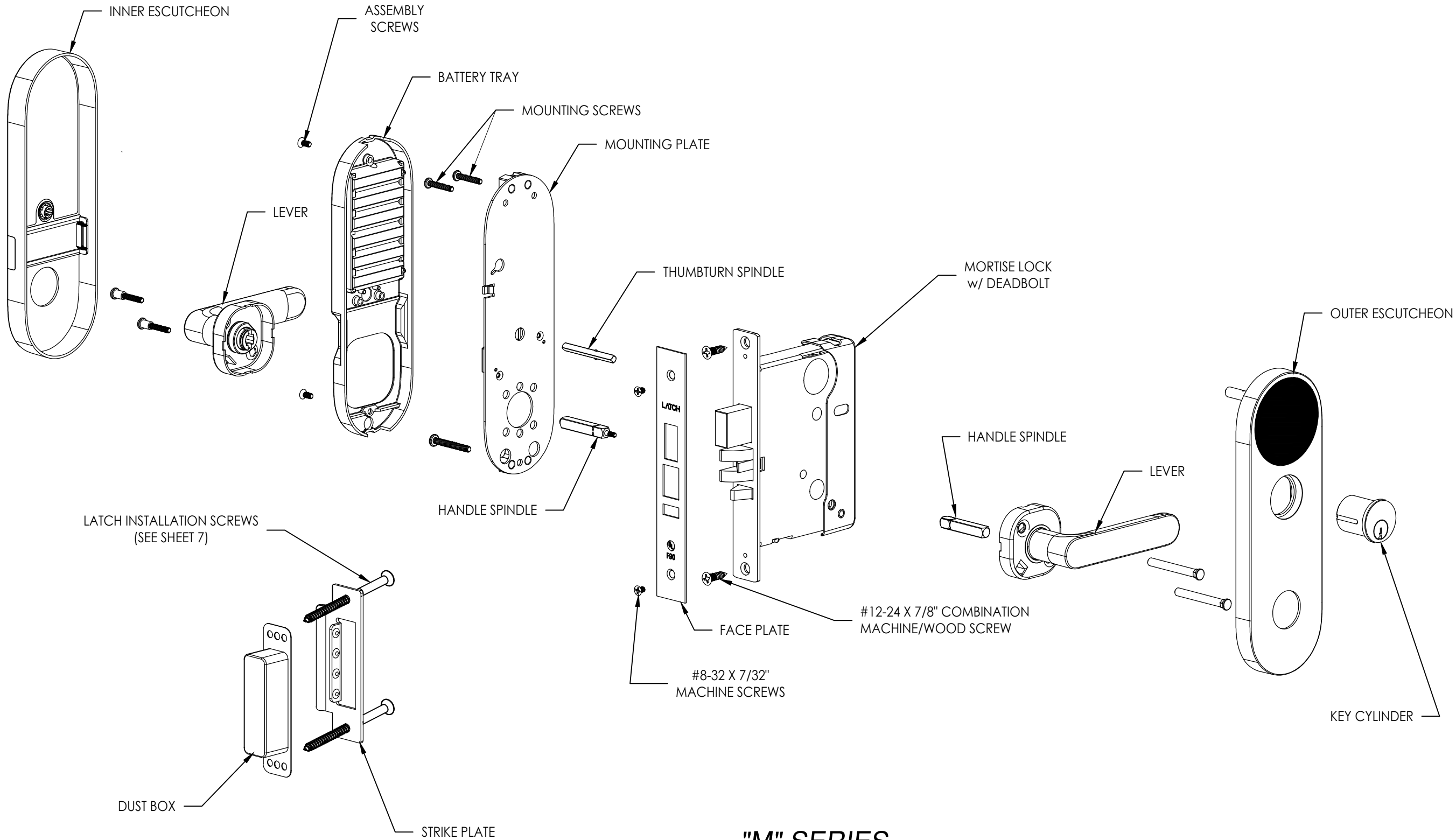
CHK. BY: LFS

DRAWING NO.:

FL-26347.1

SHEET 1 OF 8

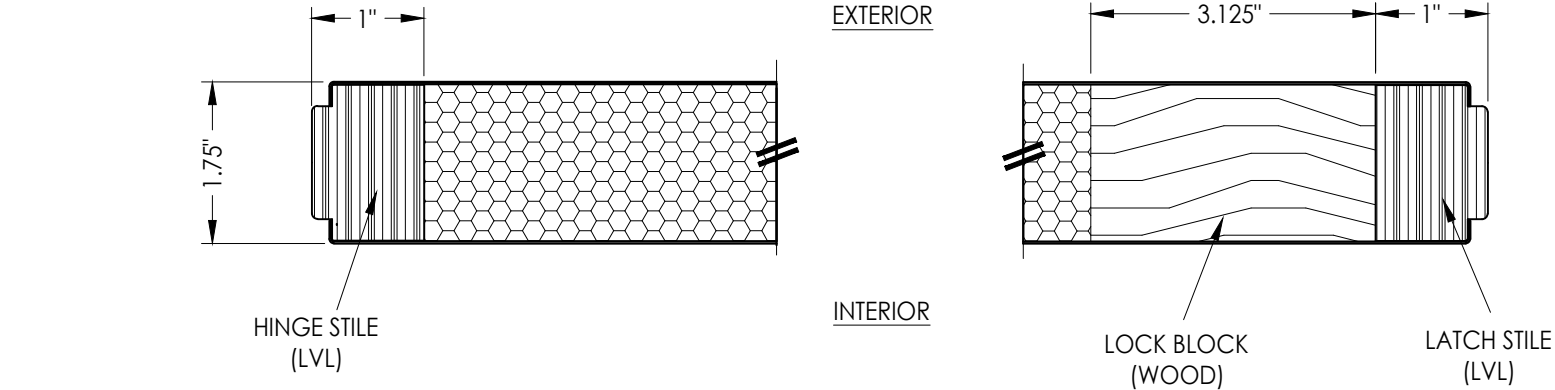
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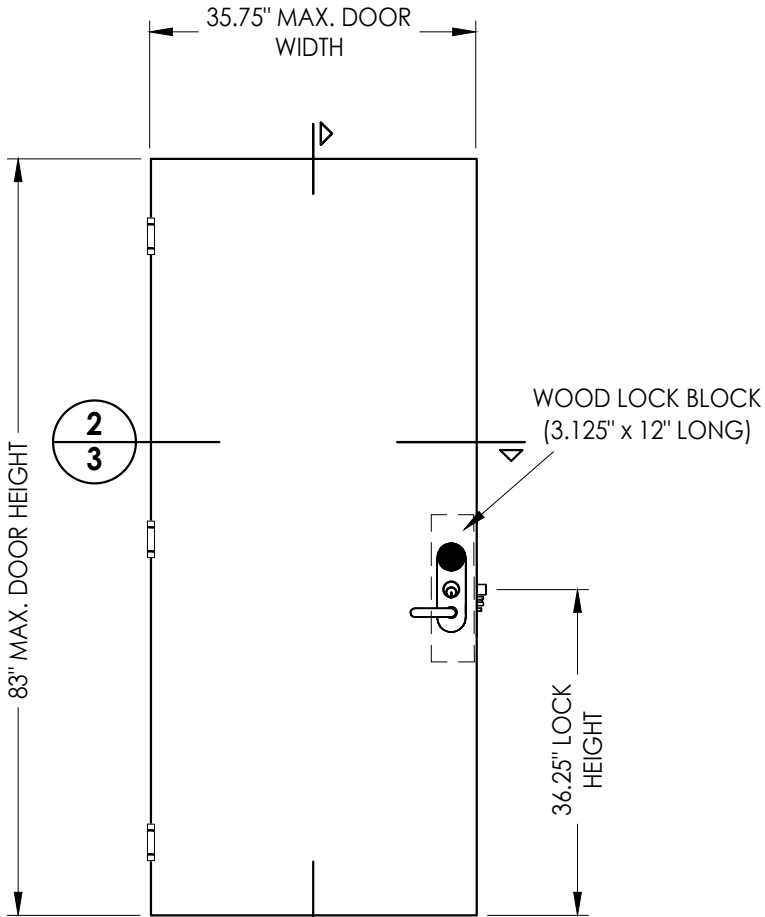
"M" SERIES
SMART LOCK

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			
PRODUCT:		LATCH		"M" SERIES ELECTRONIC LOCK		PART OR ASSEMBLY:	
						LOCK DETAILS	
				LFS	FBC	LFS	BY
		2	9/13/23	UPDATE TO 8TH ED. (2023)	FBC		
		1	8/03/20	UPDATE TO 7th ED (2020)	FBC		
		NO.	DATE				
REVISIONS							
DATE: 02/12/18							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-26347.1							
SHEET 2 OF 8							

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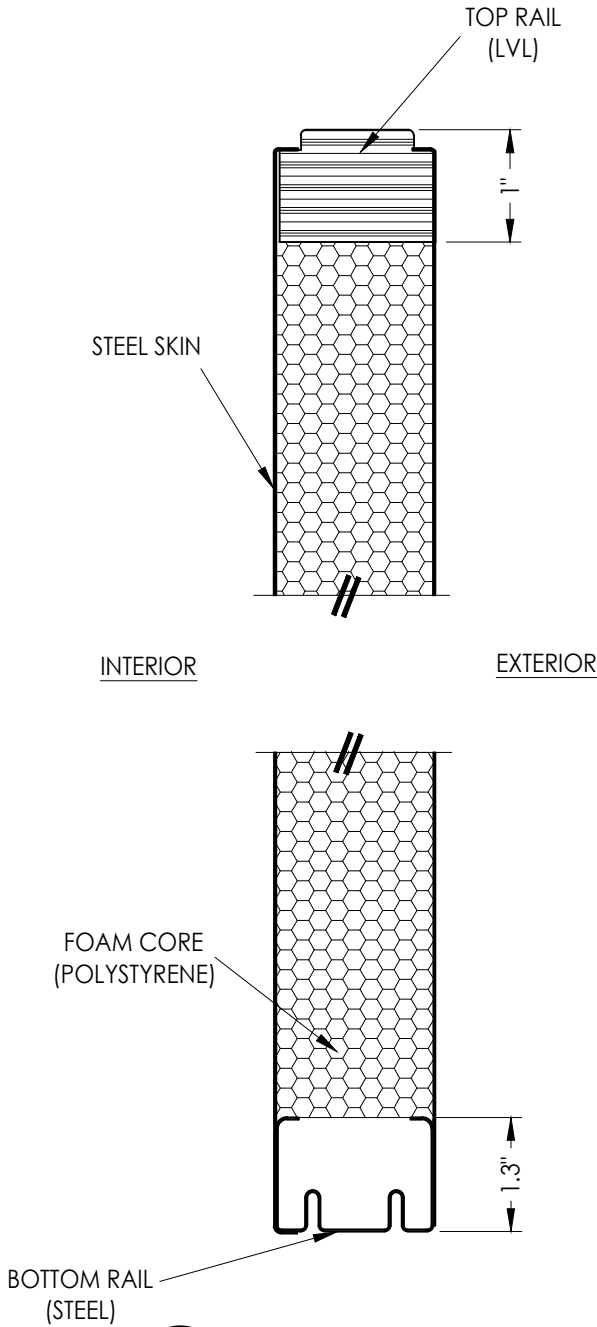


2
3 **HORIZONTAL CROSS SECTION**



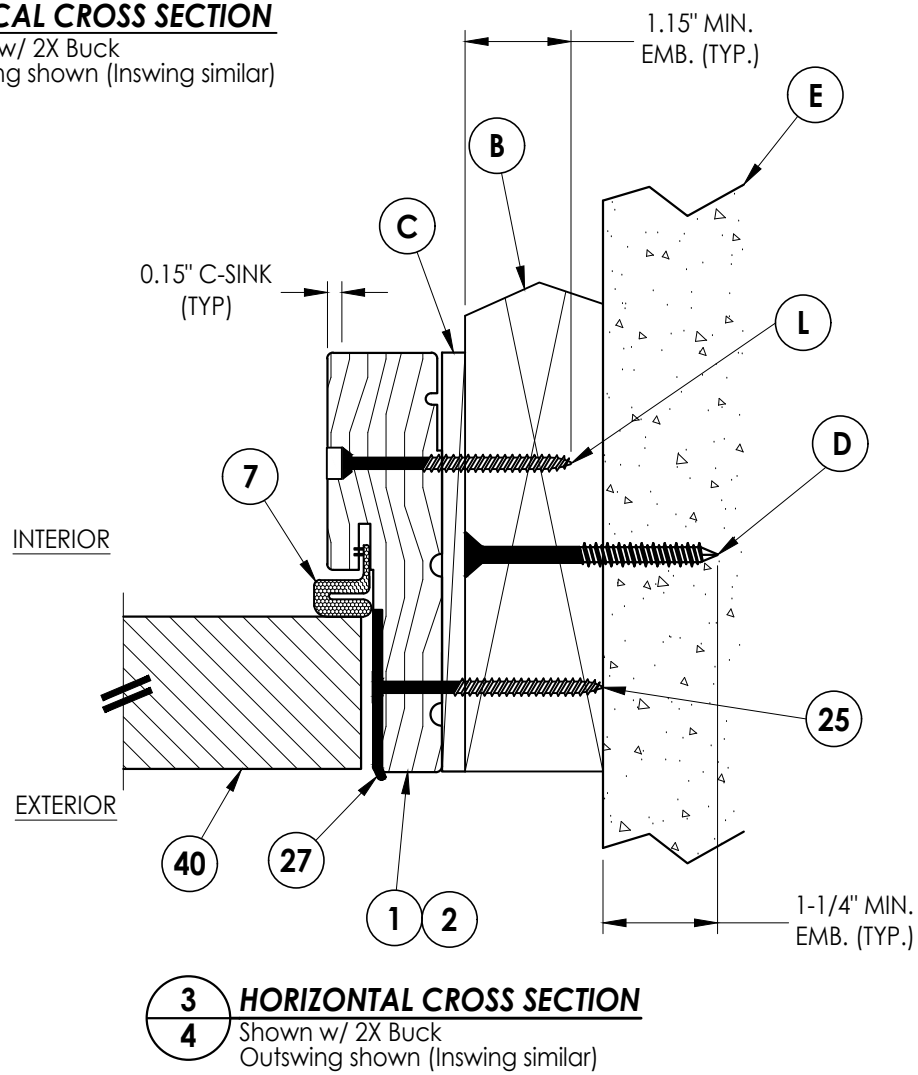
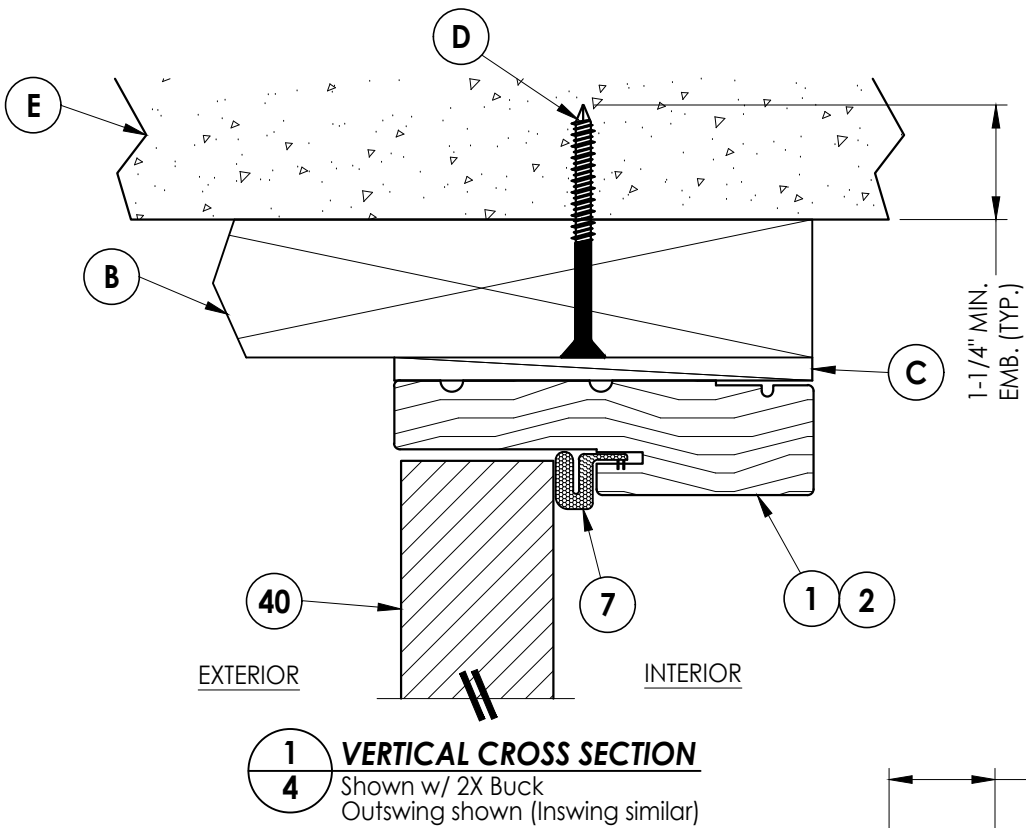
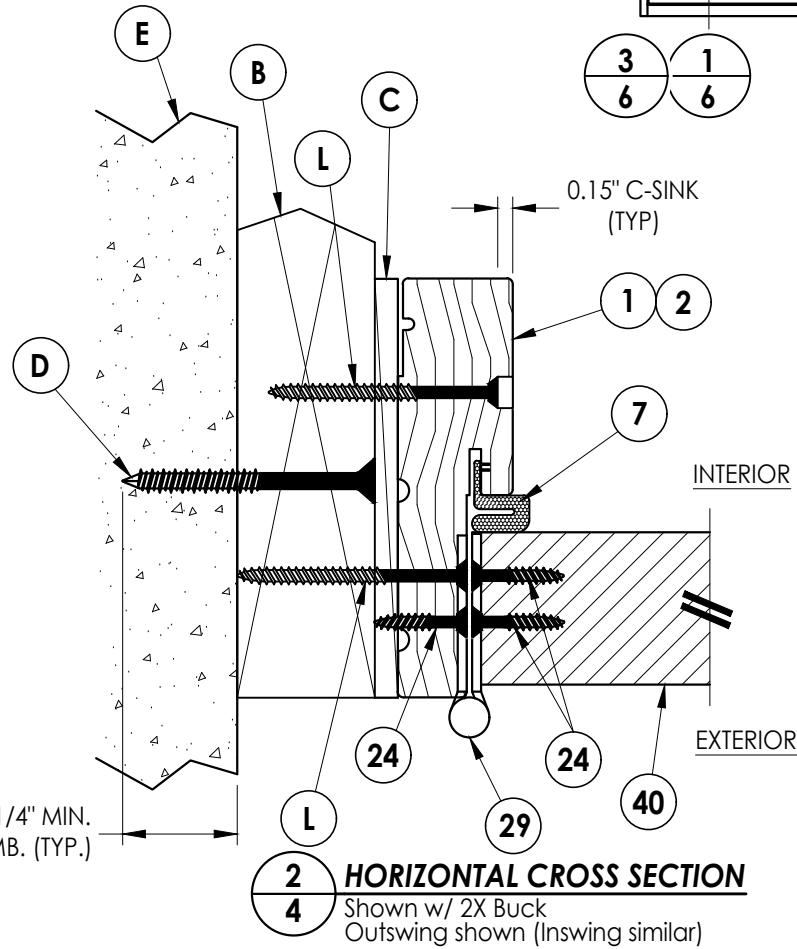
40 **7' 0" STEEL DOOR PANEL**
JELD-WEN (WOOD EDGE)

DOOR SKIN: 0.021" MIN. THICK GALV. STEEL
(Fy = 51,500 PSI MIN.)



1
3 **VERTICAL CROSS SECTION**

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PRODUCT: LATCH "M" SERIES ELECTRONIC LOCK		PART OR ASSEMBLY: DOOR PANELS DETAILS					
				LFS	FBC	DATE	BY
2	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	FBC		
1	8/03/20	UPDATE TO 7th ED (2020)	FBC	LFS	FBC		
REVISIONS							
DATE: 02/12/18							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-26347.1							
SHEET 3 OF 8							

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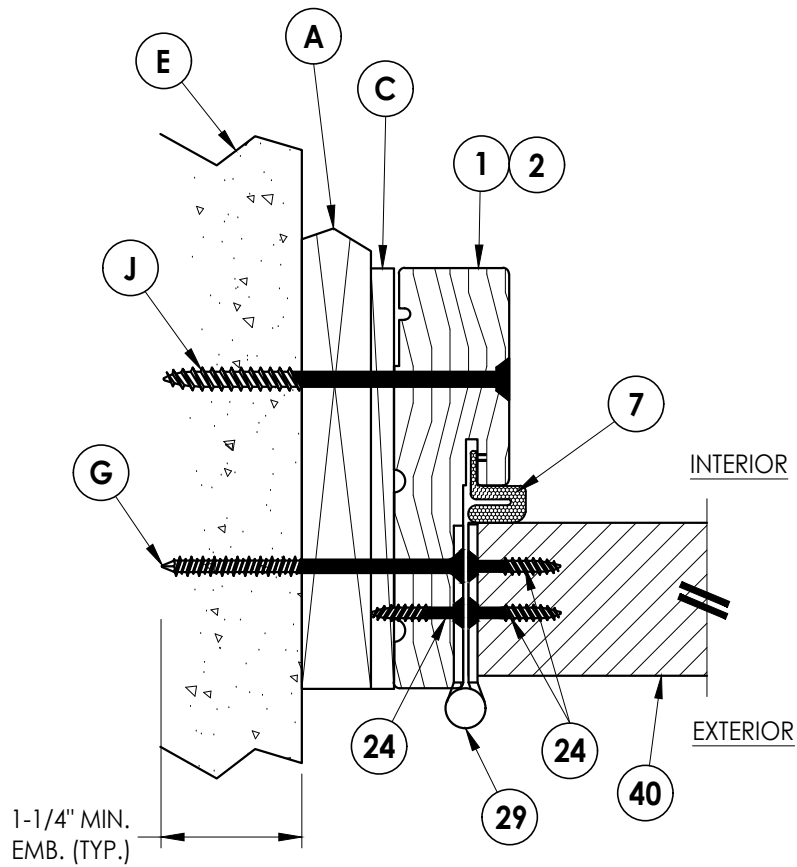
PRODUCT: LATCH "M" SERIES ELECTRONIC LOCK

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)

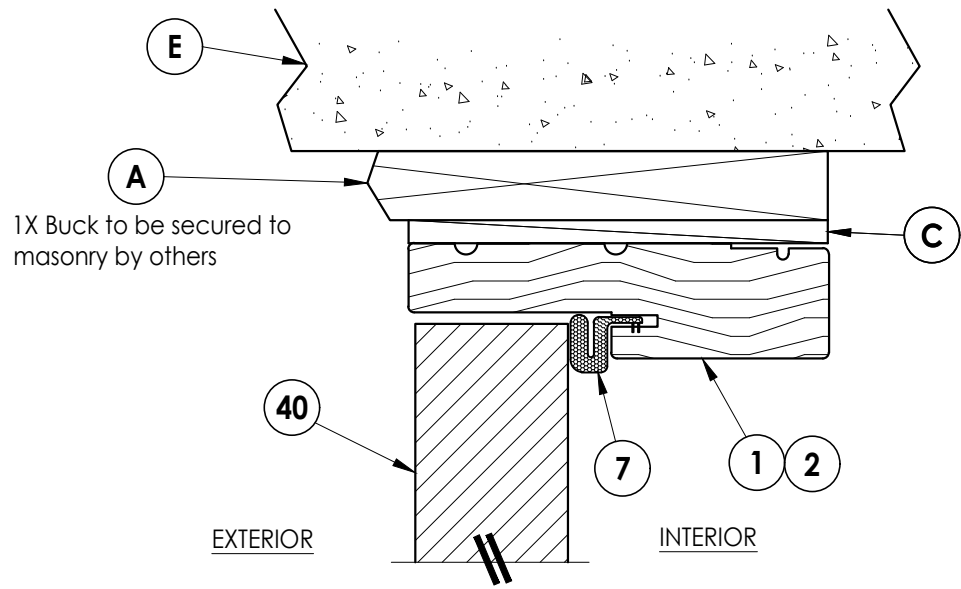
Documents Prepared By:
Lyndon F. Schmidt
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

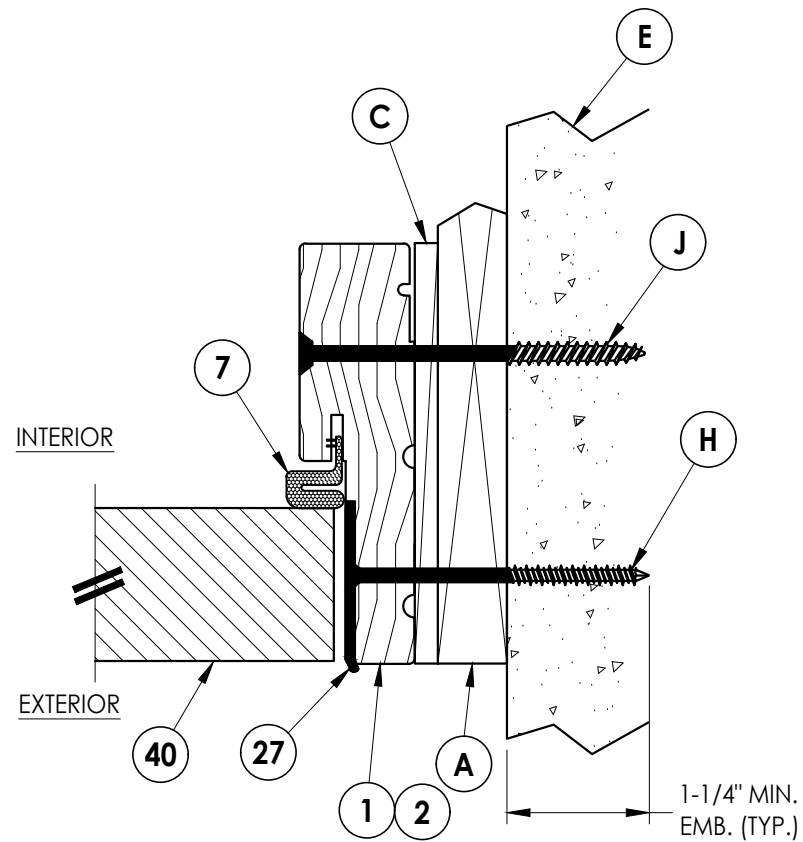
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2 HORIZONTAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



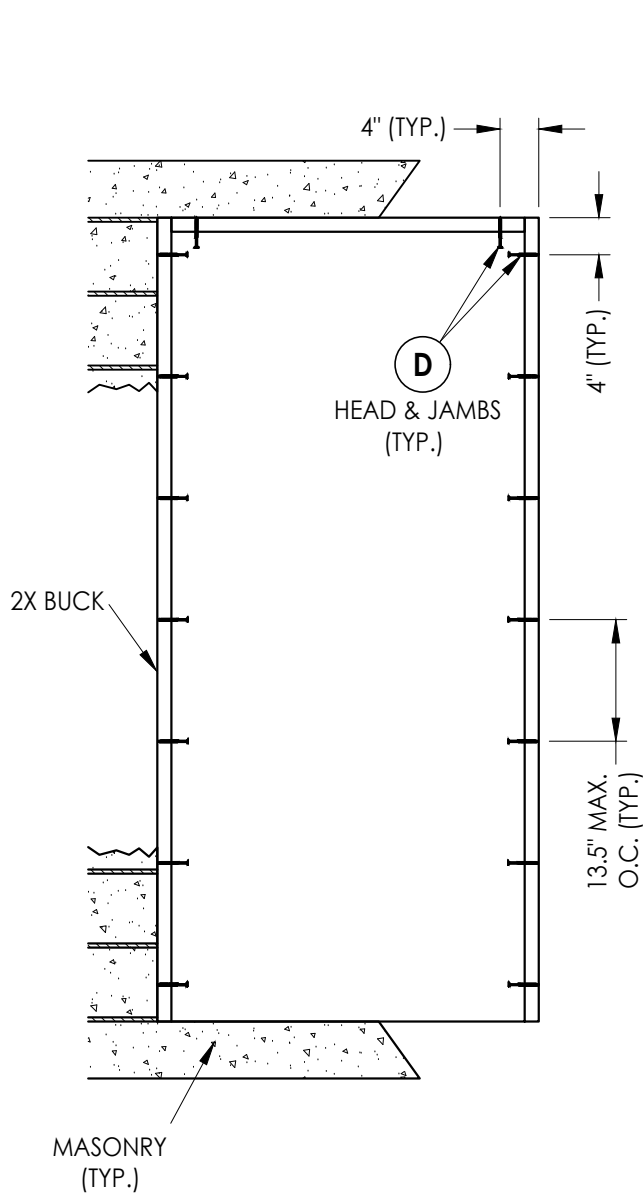
3 HORIZONTAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

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			
PRODUCT: LATCH "M" SERIES ELECTRONIC LOCK				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			
				LFS			
				FBC			
2	9/13/23	UPDATE TO 8TH ED. (2023)		LFS			
1	8/03/20	UPDATE TO 7th ED (2020)		FBC			
NO.	DATE			BY			
REVISIONS							
DATE: 02/12/18							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-26347.1							
SHEET 5 OF 8							

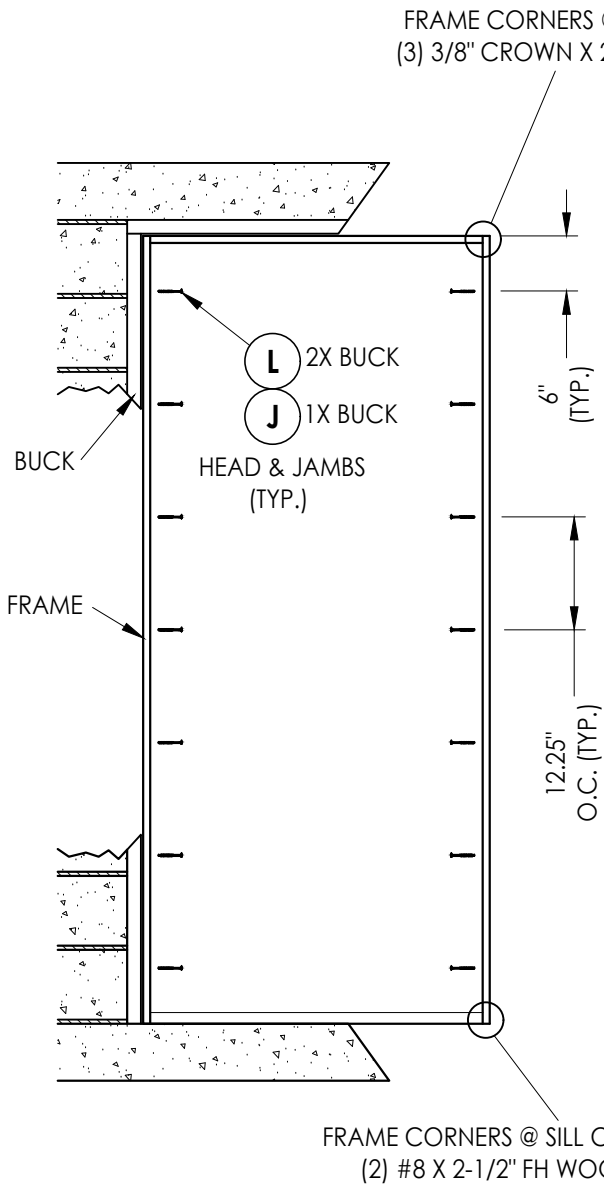
Technical drawing of a roof detail showing a vertical wall (40) meeting a sloped roof (8) over a concrete slab (15). The roof is covered with a waterproofing membrane (E) and insulation. The wall is labeled 'INTERIOR' and the roof area is labeled 'EXTERIOR'.

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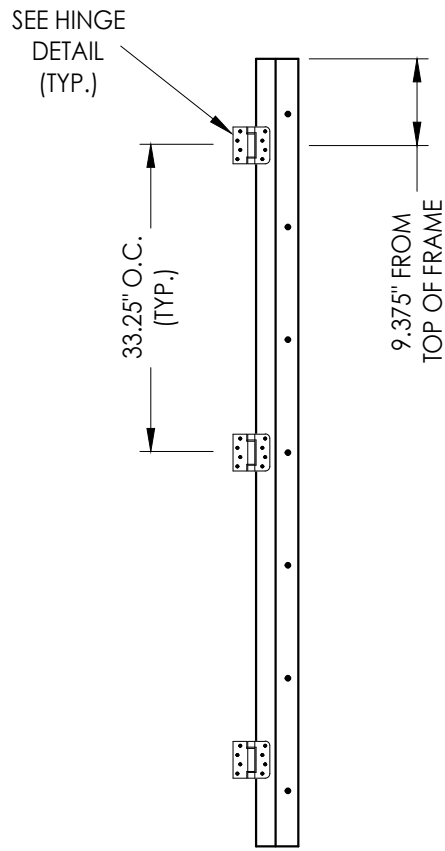
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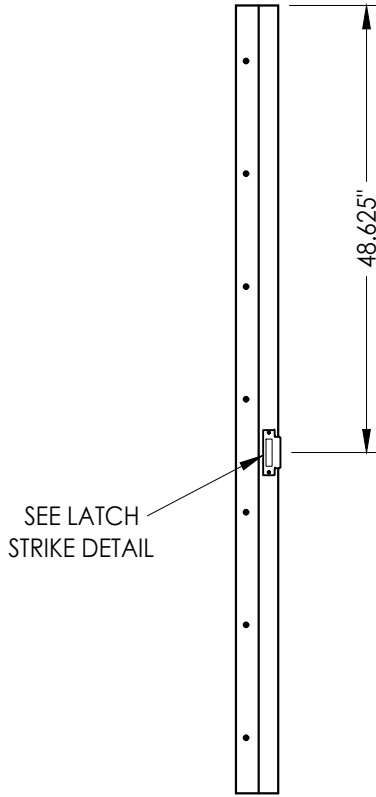
2X BUCK ANCHORING



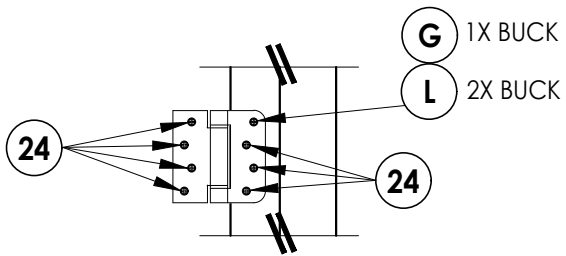
FRAME ANCHORING



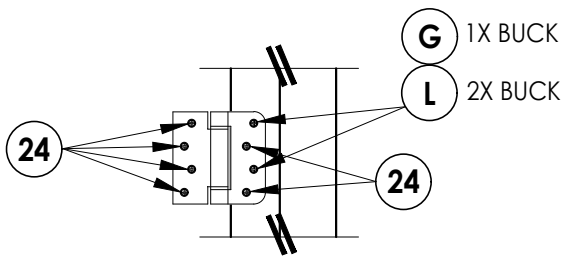
HINGE JAMB



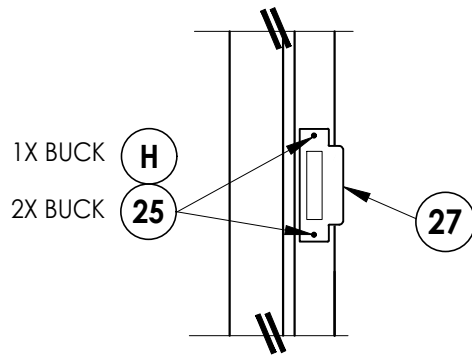
STRIKE JAMB



HINGE DETAIL
Outswing



HINGE DETAIL
Inswing



LATCH STRIKE DETAIL

NO.	DATE	REVISIONS
2	9/13/23	UPDATE TO 8TH ED. (2023) FBC
1	8/03/20	UPDATE TO 7th ED (2020) FBC

DATE:	02/12/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-26347.1
SHEET	7 OF 8

PRODUCT:	LATCH "M" SERIES ELECTRONIC LOCK
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING

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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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	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" ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" 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
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB (WORLDWIDE)	COMP
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
15	PUBLIC ACCESS THRESHOLD	ALUM
16	OUTSWING THRESHOLD	ALUM/WOOD
17	INSWING THRESHOLD	ALUM/WOOD
24	#10 X 1" PFH WOOD SCREW	STEEL
25	#12 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
40	DOOR PANEL	-

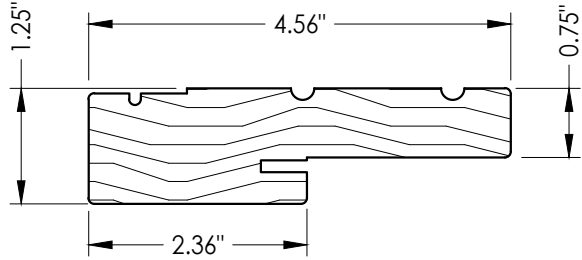
CONCRETE ANCHOR NOTES:

- 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:

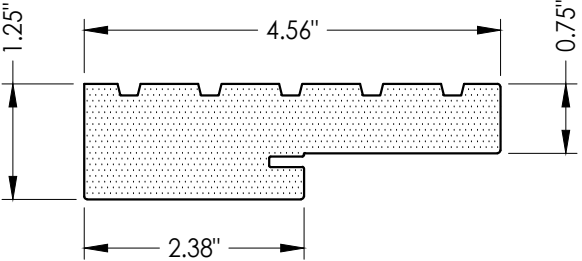
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

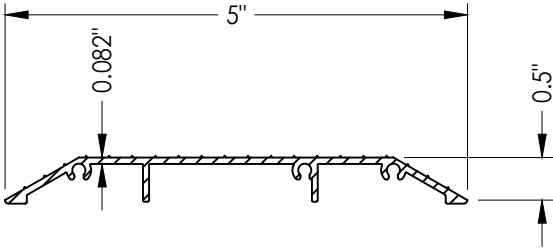
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



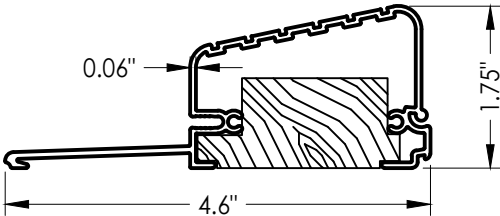
1 WOOD JAMB



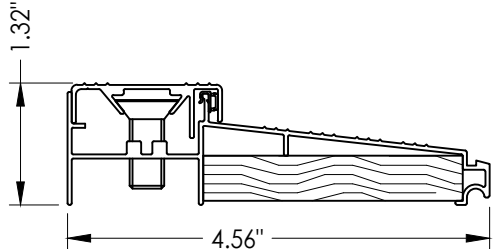
2 COMPOSITE JAMB



15 PUBLIC ACCESS THRESHOLD



16 OUTSWING THRESHOLD
High Dam (Columbia)



17 INSWING THRESHOLD
DLP

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FBPE Registry No. 9813

PRODUCT: LATCH
"M" SERIES ELECTRONIC LOCK

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
2	9/13/23	UPDATE TO 8TH ED. (2023) FBC
1	8/03/20	UPDATE TO 7th ED (2020) FBC
LFS	BY	

DATE: 02/12/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-26347.1

SHEET 8 OF 8