

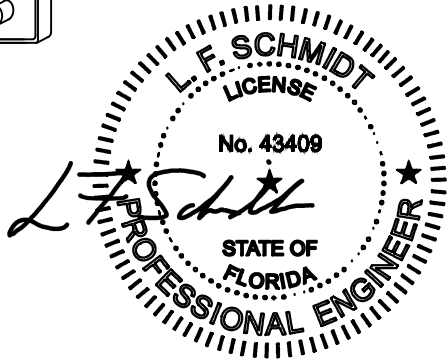
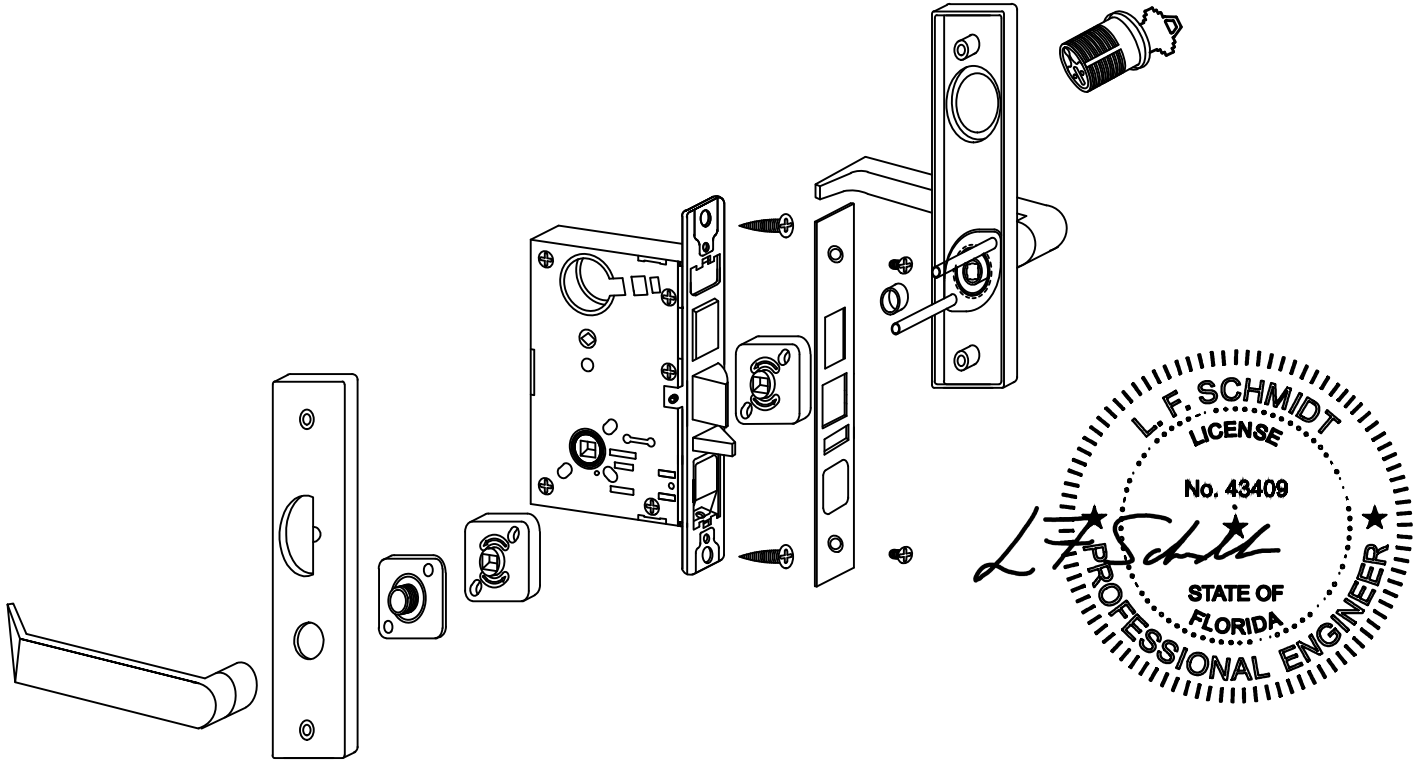
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6605 Flotilla Street
City of Commerce
CA 90040

"M SERIES" MORTISE LOCK
in a
STEEL COMMERCIAL DOOR

INSWING / OUTSWING
"IMPACT"



This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

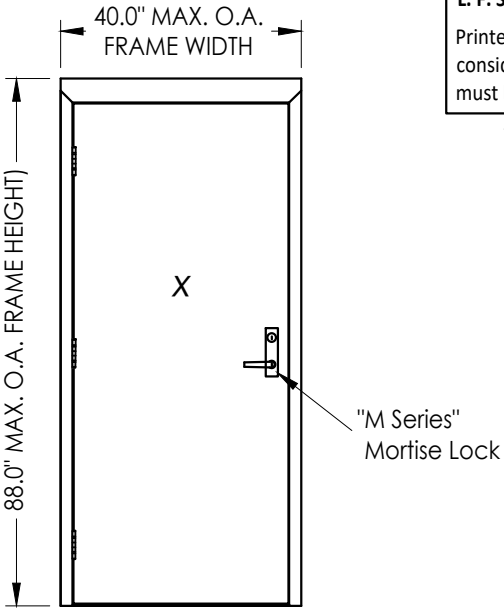
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

- GENERAL NOTES**
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements 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 Florida Building Code and does not require an impact resistant covering.
 4. This product has been tested in the door panels as specified in this approval. Substitution into a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the steel door used must possess a comparable current Florida Statewide product approval. The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the steel side hinged swing door approval being used.
 5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
 6. This product does 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.
 7. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

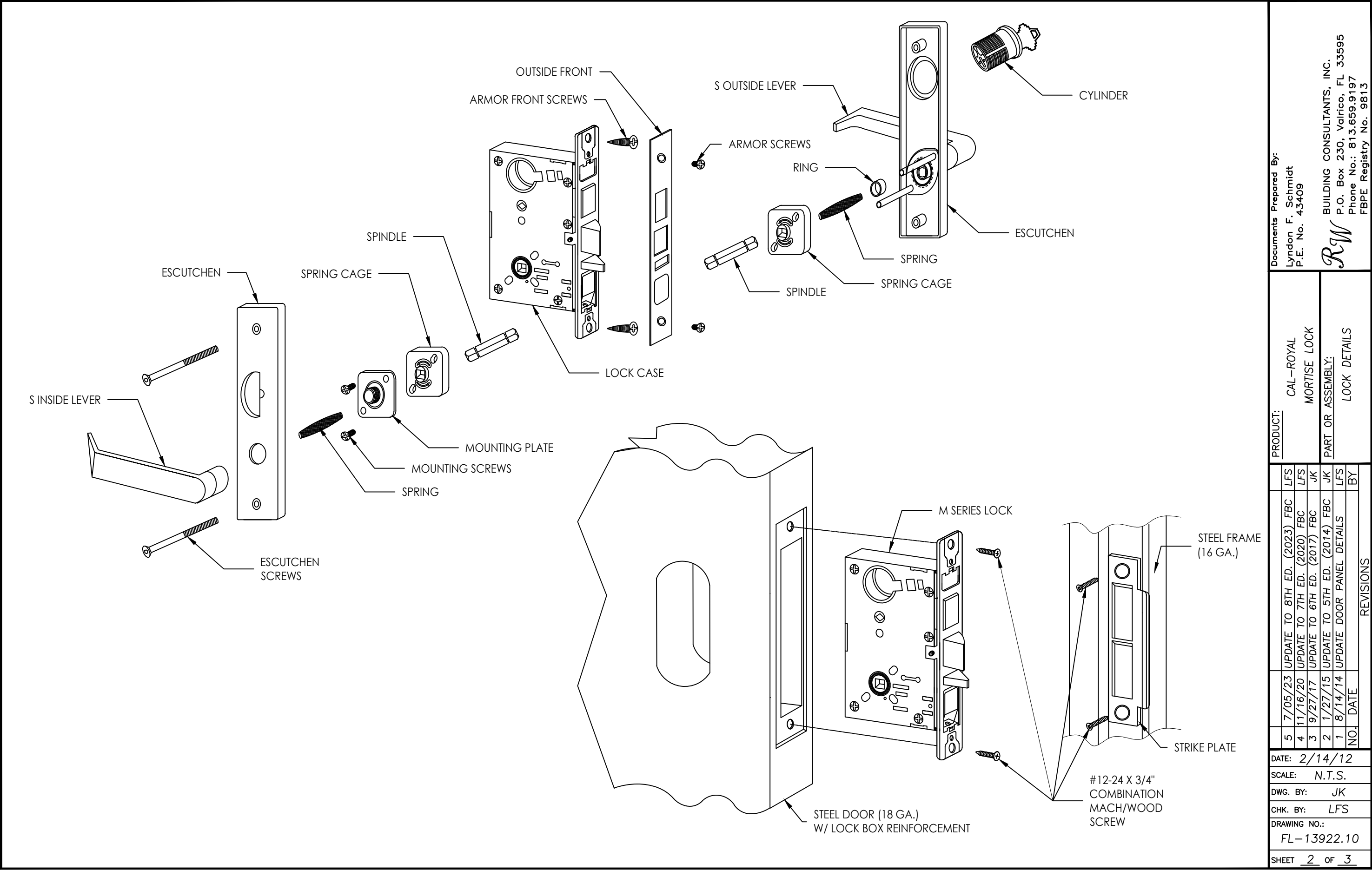
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
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CONFIGURATION	MAX FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF) INSWING / OUTSWING	
			POSITIVE	NEGATIVE
SINGLE	40.00" x 88.00"	"M Series" MORTISE LOCK	+80.0	-80.0



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: CAL-ROYAL MORTISE LOCK		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
5	7/05/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	11/16/20	UPDATE TO 7TH ED. (2020) FBC	LFS
3	9/27/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	1/27/15	UPDATE TO 5TH ED. (2014) FBC	JK
1	8/14/14	UPDATE DOOR PANEL DETAILS	LFS
NO.	DATE		BY
REVISIONS			
DATE: 2/14/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-13922.10			
SHEET 1 OF 3			

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Documents Prepared By:		CAL-ROYAL		R ^W BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt		MORTISE LOCK		P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409		PART OR ASSEMBLY:		Phone No.: 813.659.9197	
		LOCK DETAILS		FBPE Registry No. 9813	
PRODUCT:					

STEEL SKIN

5

FOAM CORE

1 75"

The drawing shows a cross-section of a composite beam. On the left, a 'STEEL SKIN' is shown as a rectangular frame with a central vertical divider. This is connected to a 'FOAM CORE' which is a rectangular block filled with a cross-hatched pattern. A dimension line on the right indicates the height of the foam core is '1 75"'. A circled number '5' is located below the steel skin section.

Technical drawing of a mechanical part. The part is a rectangular block with a central hole. The dimensions are as follows:

- Overall width: 5"
- Overall height: 8"
- Overall thickness: 1"
- Central hole diameter: $\varnothing 1.75"$

Technical drawing of a mechanical part, showing a side view. The drawing includes a dimension line indicating a length of 35.5 inches. The part features a complex profile with a central vertical section and a horizontal section on the right.

Diagram of a C-channel cross-section with dimensions: 1.2" width, 1.65" height, and 0.07" wall thickness.

STEEL SKIN

FOAM CORE

7

34.25"

0.07"

1.57"

1.2"

7 DOOR BOTTOM CHANNEL

DATE:	2/14/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-13922.10
SHEET	3 OF 3

BUILDING CONSULTANTS, INC.
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