



6605 Flotilla Street
City of Commerce
CA 90040

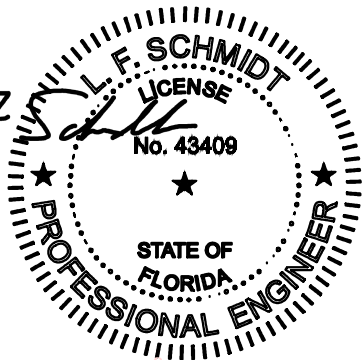
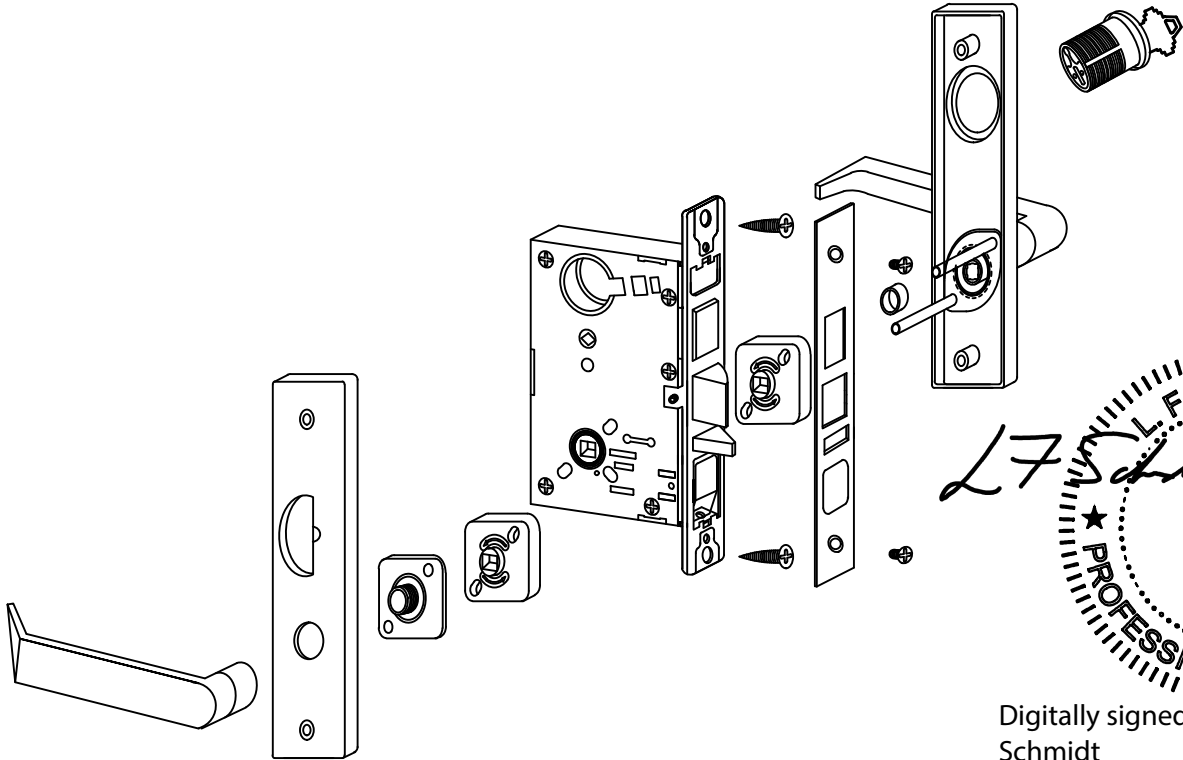
"M SERIES" MORTISE LOCK
in a
STEEL COMMERCIAL DOOR

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 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.

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SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Lock details
3	Door panel details

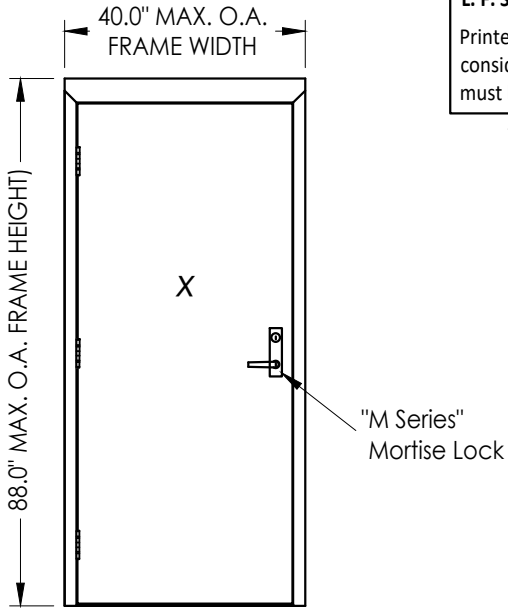


Digitally signed by Lyndon F Schmidt
Date: 2026.07.07 07:45:59 -04'00'

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.

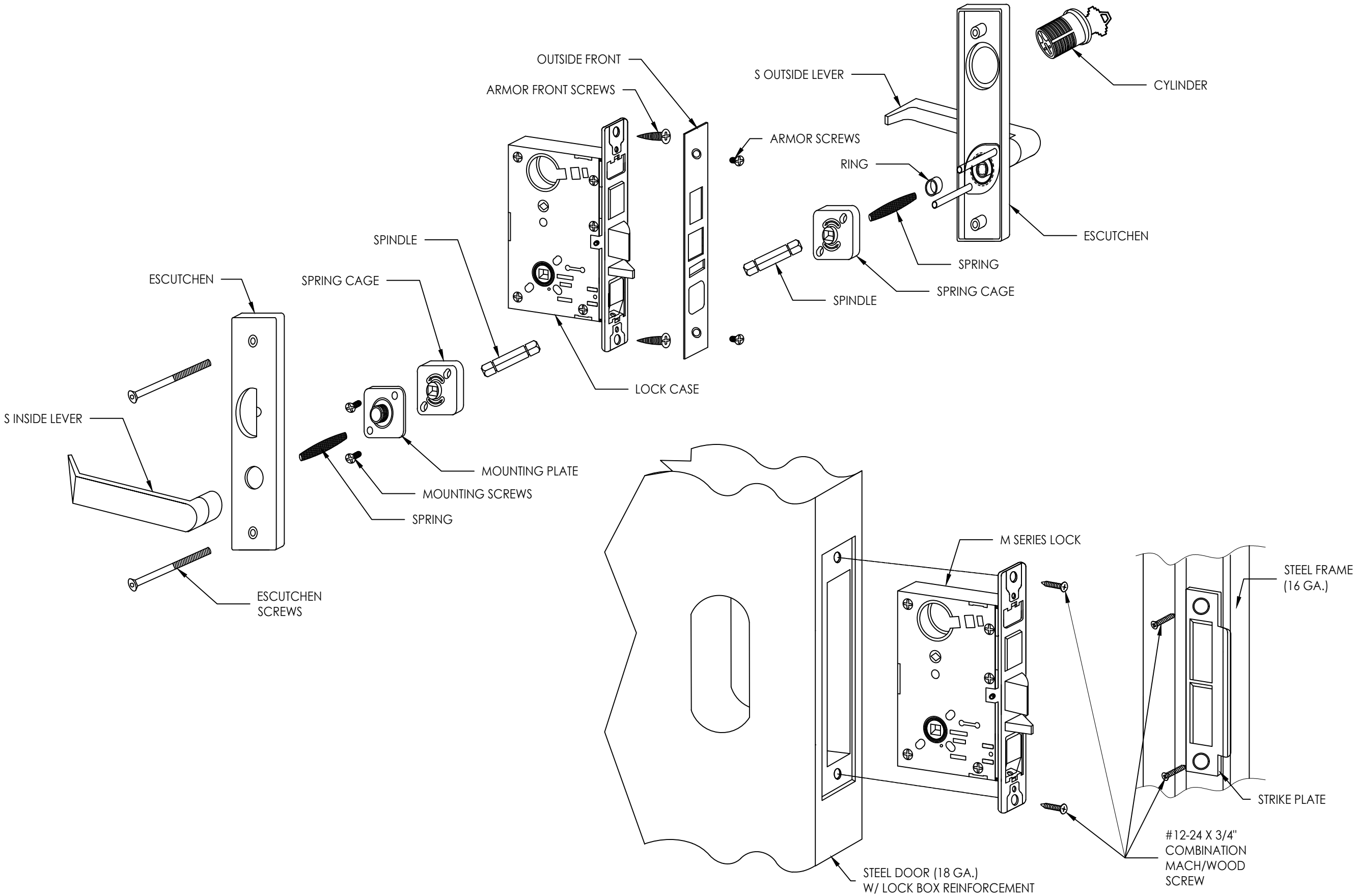
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



CONFIGURATION	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

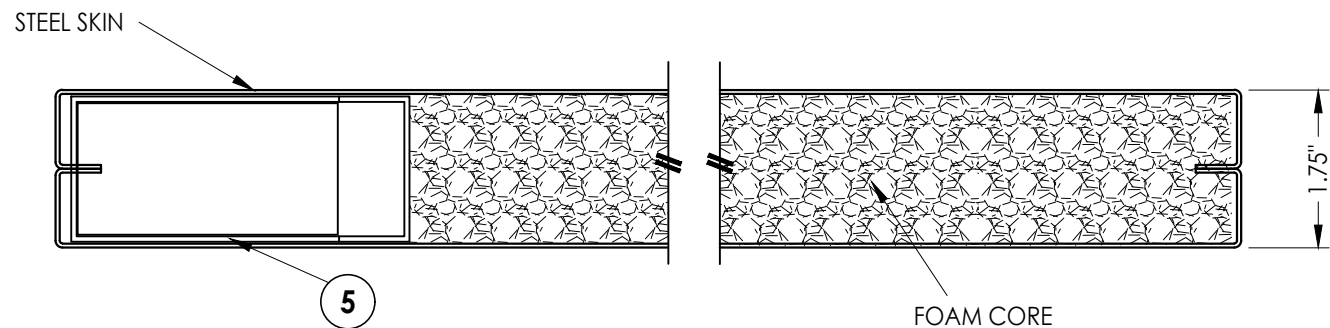
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: CAL-ROYAL MORTISE LOCK		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS	BY
		FBC	
6	7/02/26	UPDATE TO 9TH ED. (2026)	
5	7/05/23	UPDATE TO 8TH ED. (2023)	
4	11/16/20	UPDATE TO 7TH ED. (2020)	
	NO.	DATE	
REVISIONS			
DATE: 2/14/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-13922.10			
SHEET 1 OF 3			

Z:\2023 FBC Drawings\CAL-ROYAL\FL-13922 R9\FL-13922.9-10.dwg



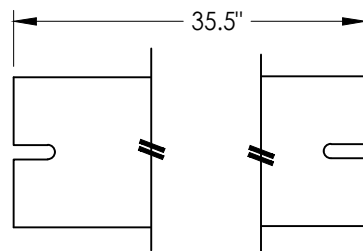
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT:				CAL-ROYAL MORTISE LOCK			
PART OR ASSEMBLY:				LOCK DETAILS			
				LFS	FBC	BY	
		6	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
		5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
		4	11/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
		NO.	DATE				REVISIONS
DATE: 2/14/12							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-13922.10							
SHEET 2 OF 3							

STEEL DOOR SKIN (18 GA.): MIN. 0.045" THK.
STEEL GRADE: ASTM A1008 GALV. STEEL (Fy = 33,000 PSI MIN.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)

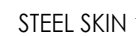
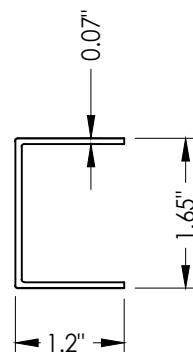


Technical drawing of a mechanical part. The drawing shows a side view of a component with a rectangular base and a vertical flange on the right. The base has a width of 5 inches and a height of 8 inches. The flange has a thickness of 1 inch and a total height of 9.75 inches. A vertical slot is cut into the base, with a rounded bottom. The diameter of the slot is indicated as $\varnothing 1.75$ inches. A center mark is shown in the slot. The drawing is labeled with dimensions: 5", 1", 8", 9.75", and $\varnothing 1.75$ ".

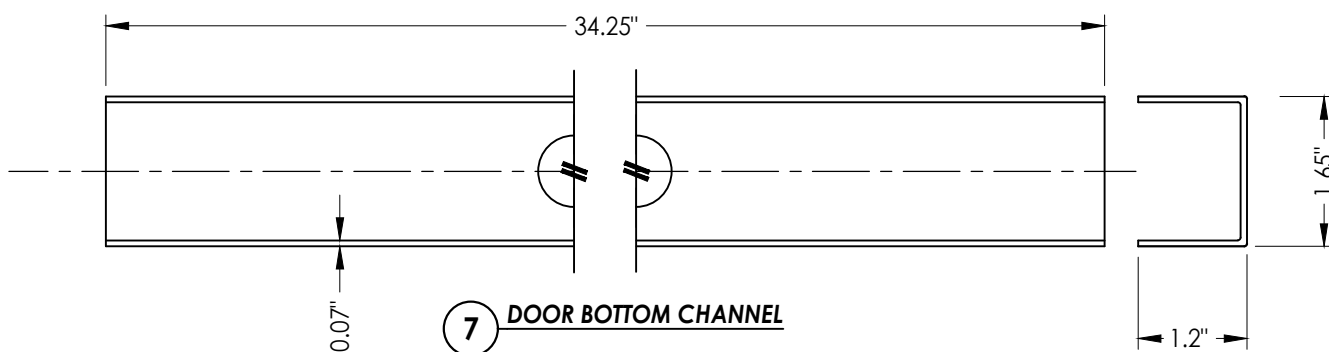
5 LOCK BOX REINFORCEMENT



4 DOOR TOP CHANNEL



2 VERTICAL CROSS SECTION



7 DOOR BOTTOM CHANNEL

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

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