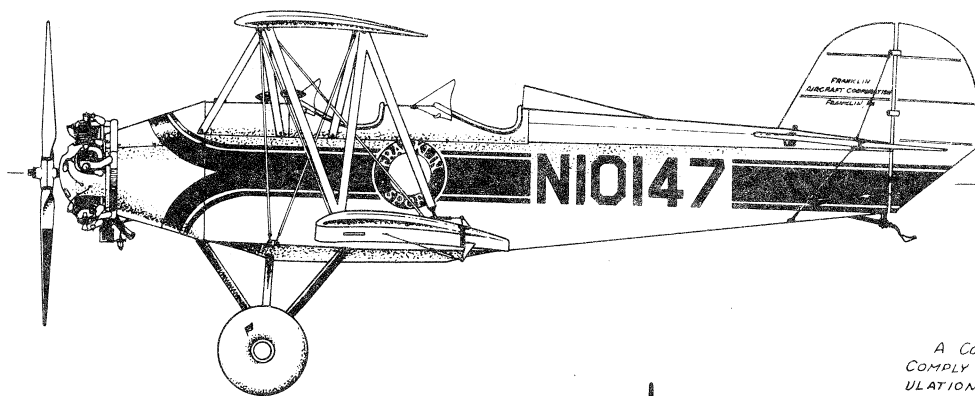


1930 FRANKLIN SPORT "A" BIPLANE by Richard Anderson—Three plates of



THESE DRAWINGS WERE PREPARED FROM A FRANKLIN SPORT MODEL "A" RECENTLY RESTORED, OWNED AND FLOWN BY ROBERT L. MORRIS OF SPRINGFIELD, OHIO. THIS AIRCRAFT IS VERY ORIGINAL AND STILL FEATURES A TAILSKID, NO BRAKES OR SHOCK ABSORBERS AND A STRUT MOUNTED WIND ACTUATED AIR SPEED INDICATOR.

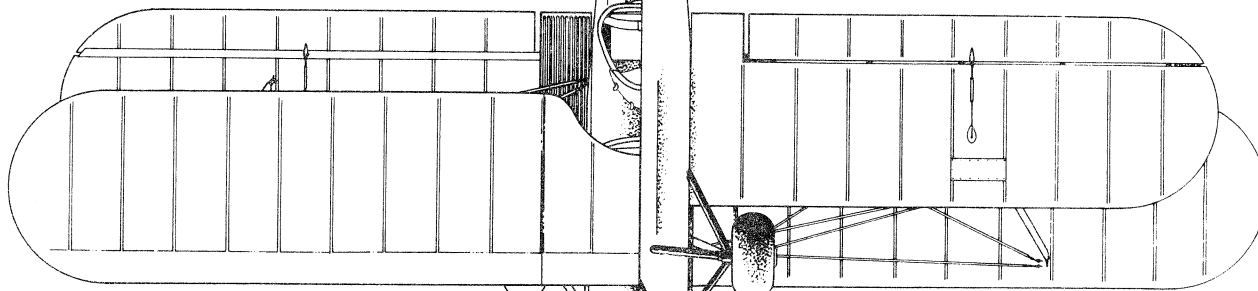
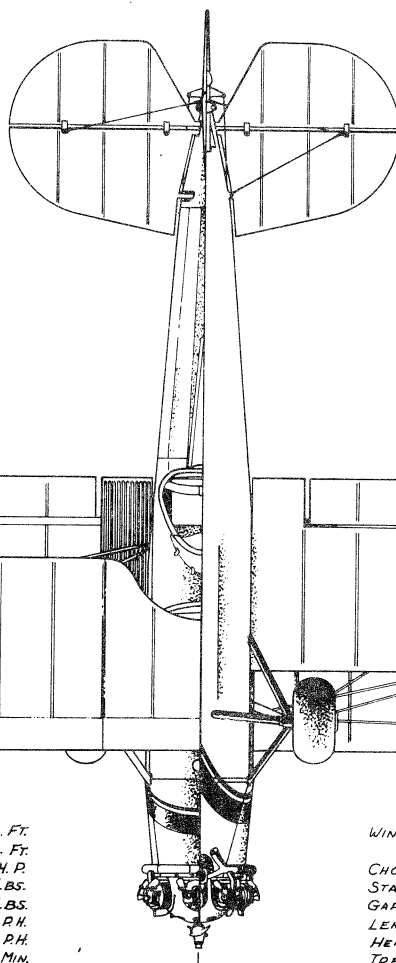
A COMPASS HAS BEEN ADDED TO COMPLY WITH CURRENT F.A.A. REGULATIONS. SEVENTEEN FRANKLIN AIRPLANES IN ALL WERE MANUFACTURED IN 1930-31. TWELVE WERE OF THE SPORT "A" TYPE AND FIVE OF THE "90" OR LATE CONFIGURATION.

THE "90" HAD A SUPERIOR PERFORMANCE WITH ITS 90 H.P. LAMBERT ENGINE AND WAS ALMOST IDENTICAL WITH THE EXCEPTION OF ITS GREAT LAKES TYPE OF LANDING GEAR.

THIS PARTICULAR MACHINE WAS TURNED OUT IN JUNE 1930 AND BEARS SER. NO. 8. THE ORIGINAL IDENTIFICATION NO. WAS NC-10419.

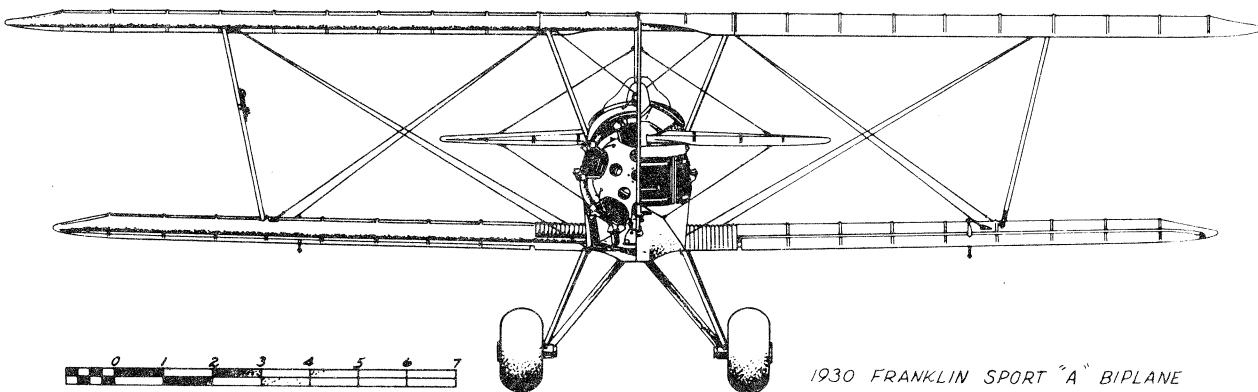
COLOR SCHEME PRIOR TO BEING RESTORED AND WHEN LAST FLOWN IN 1941 WAS ORANGE WINGS AND BLACK FUSELAGE. THE PRESENT COLORS ARE AS FOLLOWS. ALL HORIZONTAL FLIGHT SURFACES ARE WHITE. FUSELAGE FIN, AND RUDDER ARE LOEWING YELLOW WITH BLACK TRIM.

THIS AIRCRAFT IS POWERED WITH A VELIE M-5 ENGINE OF 55/70 H.P. CONSTRUCTION IS VERY TYPICAL OF THE 1930 ERA. FUSELAGE AND TAIL ASSY. ARE OF 1025 S.A.E. TUBING. WINGS HAVE BUILT-UP RIBS AND SOLID SPARS OF SITKA SPRUCE. 22x10x4 GOODYEAR AIRWHEELS PROVIDE THE ONLY BUT AMPLE SHOCK ABSORBING ACTION. OPTIONAL EQUIPMENT NOT ON THIS PARTICULAR MACHINE ARE GOODYEAR BRAKES AND A HEYWOOD AIR STARTER.



WING AREA (INCLUDING AILERONS)	185 SQ. FT.
WING LOADING	7.08 LBS. PER SQ. FT.
POWER LOADING	21 LBS. PER H.P.
EMPTY WT.	845 LBS.
GROSS WT.	1312 LBS.
CRUISING SPEED	85 M.P.H.
LANDING SPEED	30 M.P.H.
RATE OF CLIMB	550 FT. PER MIN.

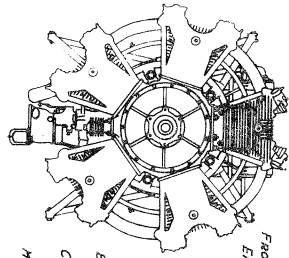
WINGSPAN (UPPER)	26 FT.-0 IN.
" (LOWER)	24 FT.-0 IN.
CHORD	4 FT.-0 IN.
STAGGER	1 FT.-8 IN.
GAP (AT FUSELAGE)	4 FT.-6 IN.
LENGTH	19 FT.-6 IN.
HEIGHT	7 FT.-9 IN.
TREAD	4 FT.-8 IN.



SCALE $\frac{1}{4}'' = 1'-0''$

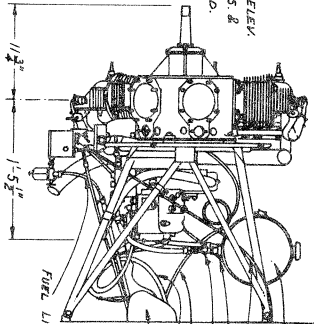
1930 FRANKLIN SPORT "A" BIPLANE
RESEARCHED AND DRAWN BY
R. Anderson

L-63
PLATE 3



FRONT ELEV. ENG. & MOUNT

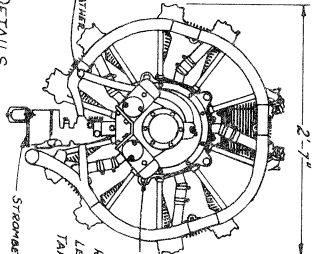
ENG. SPECS.
BORE 4.125" STROKE 3.150"
DISP. 250.6 CU. IN.
COMPRESSION RATIO 3.4:1
DRY WT. 234 LBS.
MAX. CONT. H.P. 65 AT 1900



SIDE ELEV. #4.85 CYS. & EXH. RING REMOVED.

FUEL LINE

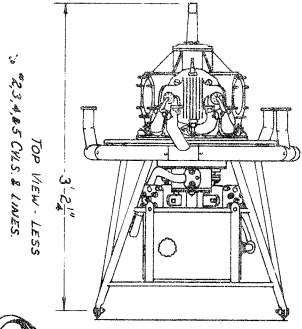
VELIE M-5 ENG. DETAILS



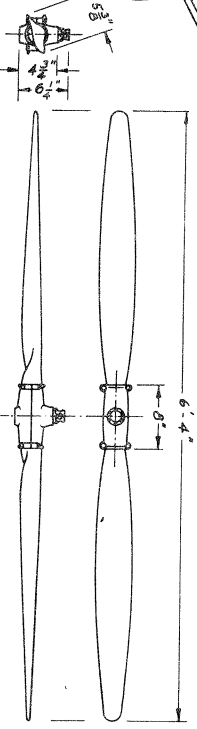
REAR ELEV. LESS ENG. MOUNT, TANK & LINES. SCIMITALA SB-5 MAGS. STROMBERG M-R3 CARB.



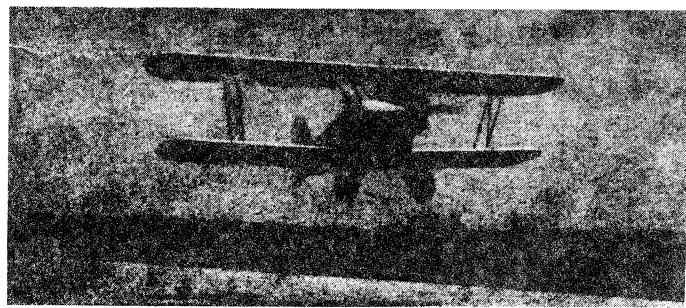
DETAIL DWGS. ON THIS PLATE - SCALE 1/2" = 1'-0"



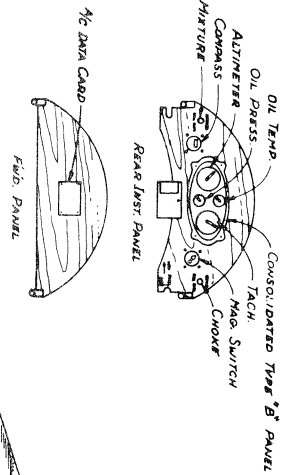
TOP VIEW - LESS #2.3, 4.85 CYS. & LINES. 3'-2 1/2"



HAMILTON STANDARD GROUND ADJUSTABLE METAL PROPELLER (WOOD, OPTIONAL)



1930 FRANKLIN SPORT A
DRAWN & RESEARCHED BY
E. Qualtrough



REAR INSTR. PANEL

1/2 DATA CABIN FWD. PANEL

