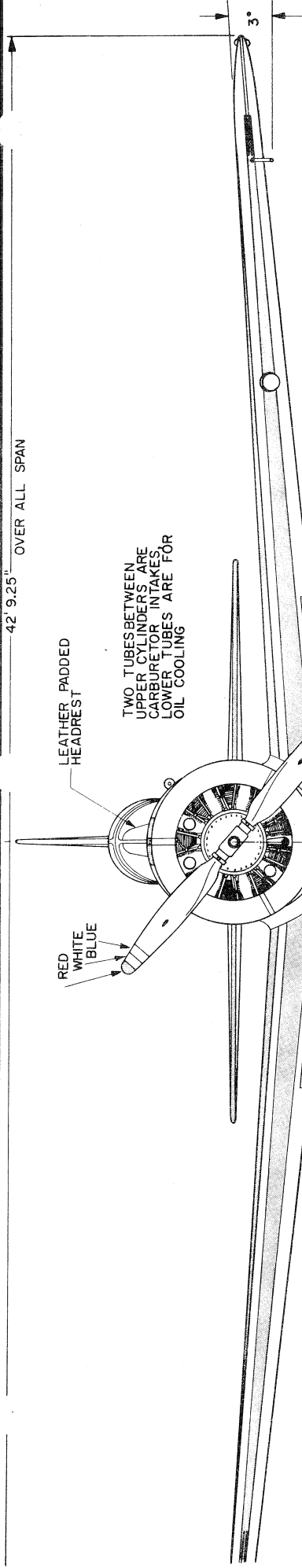


42' 9.25" OVER ALL SPAN



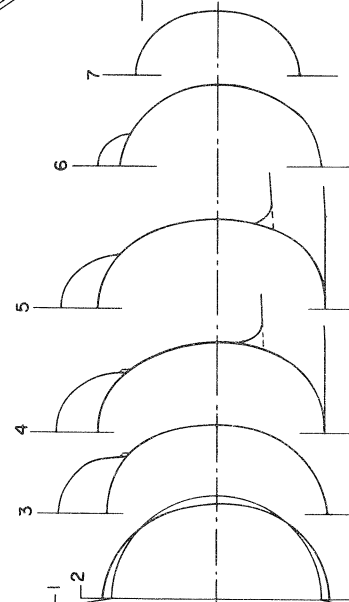
NOTE: THIS DRAWING PORTRAYS VARNEY SPEED LANES "NORTH WIND" MODEL 9 "ORION", OTHER VARNEY ORIONS DIFFERED ONLY SLIGHTLY WHILE OTHER ORIONS IN PARTICULAR THE LATE VERSIONS & SPECIAL MODELS, HAD MANY MODIFICATIONS.

VARNEY'S SIX "ORIONS"
 NC 12223 "WEST WIND"
 NC 12224 "SOUTH WIND"
 NC 12225 "NORTH WIND"
 NC 12226 "EAST WIND"
 NC 12227 "WINTER WIND"
 NC 12228 "SPRING WIND"

VARNEY "ORION" COLOR SCHEME

ENTIRE AIRCRAFT, HIGH GLOSS INSIGNIA WHITE-ALL TRIM & ALL LETTERING, INCLUDING NUMBERS, VERMILLION OUTLINED WITH A BLACK PIN STRIPE ONLY TWO BASIC COLORS USED.

"NORTH WIND" WAS THE ONLY VARNEY ORION NOT TO HAVE FIN LEADING EDGE TRIM PAINT.



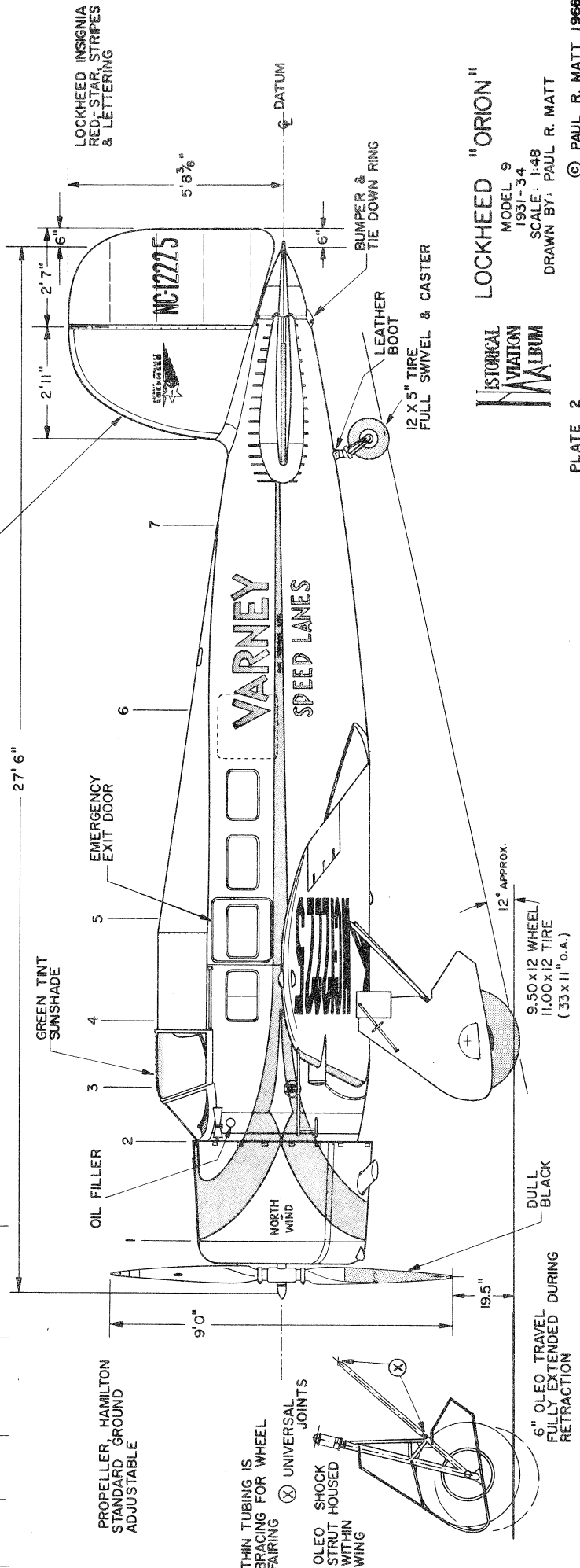
PROPELLER, HAMILTON STANDARD GROUND ADJUSTABLE

THIN TUBING IS BRACING FOR WHEEL FAIRING

UNIVERSAL JOINTS

OLEO SHOCK STRUT HOUSED WITHIN WING

6" OLEO TRAVEL DURING FULLY EXTENDED RETRACTION



HISTORICAL AVIATION MUSEUM

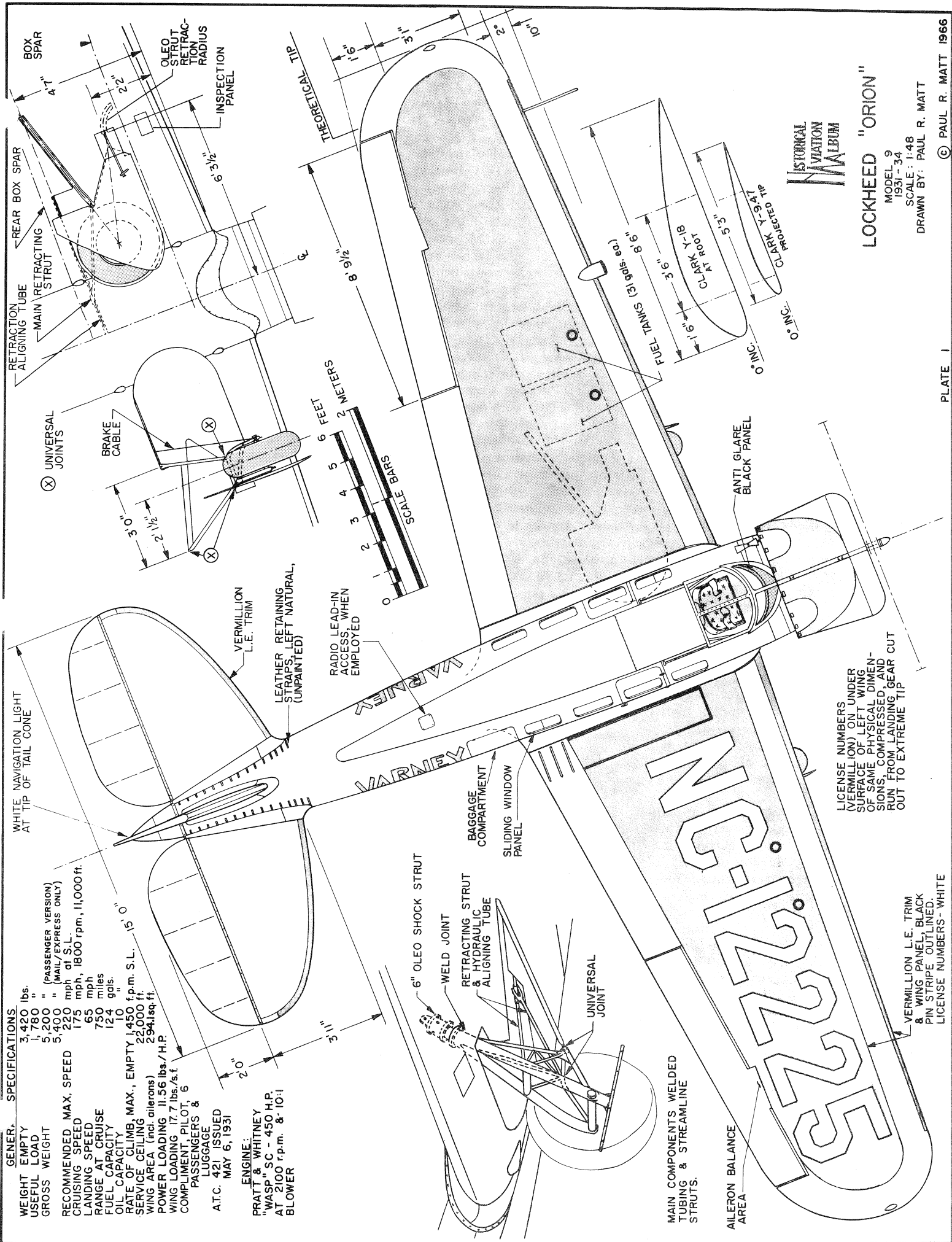
LOCKHEED "ORION"

MODEL 9
1931-34

SCALE: 1:48
DRAWN BY: PAUL R. MATT

PLATE 2

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GENERAL SPECIFICATIONS:

WEIGHT EMPTY 3,420 lbs.
 USEFUL LOAD 1,780 "
 GROSS WEIGHT 5,200 " (PASSENGER VERSION)
 5,400 " (MAIL/EXPRESS ONLY)
 RECOMMENDED MAX. SPEED 220 mph at S.L.
 CRUISING SPEED 175 mph, 1800 r.p.m., 11,000 ft.
 LANDING SPEED 65 mph
 RANGE AT CRUISE 750 miles
 FUEL CAPACITY 124 gals.
 OIL CAPACITY 12.4 gals.
 RATE OF CLIMB, MAX., EMPTY 1,450 f.p.m. S.L., 15,000 ft.
 SERVICE CEILING 22,000 ft.
 WING AREA (incl. ailerons) 294.1 sq. ft.
 POWER LOADING 11.56 lbs./H.P.
 WING LOADING 17.7 lbs./sq. ft.
 COMPLIMENT, PILOT, 6
 PASSENGERS & LUGGAGE
 A.T.C. 421 ISSUED
 MAY 6, 1931

ENGINE:
 PRATT & WHITNEY
 "WASP" SC - 450 H.P.
 AT 2100 r.p.m. & 10:1
 BLOWER

LICENSE NUMBERS (VERMILLION) ON UNDER SURFACE OF LEFT WING OF SAME PHYSICAL DIMENSIONS, COMPRESSED, AND RUN FROM LANDING GEAR CUT OUT TO EXTREME TIP

VERMILLION L.E. TRIM & WING PANEL, BLACK PIN STRIPE OUTLINED. LICENSE NUMBERS - WHITE



LOCKHEED "ORION"

MODEL 9
 1931-34
 SCALE: 1:48
 DRAWN BY: PAUL R. MATT