

GENERAL SPECIFICATIONS
R-3 IN FINAL CONFIGURATION

WEIGHT EMPTY 2032 lbs. WITH WATER 2032 lbs. INCLUDING 27 lbs. OF USEFUL LOAD 471 lbs. DISPOSABLE WEIGHT 2503 lbs.
 GROSS WEIGHT 219 m.p.h. I.A.S. at 2400 r.p.m. OVER MEASURED TRIANGLE COURSE (T.A.S. 235 mph)
 MAXIMUM SPEED 73.2 m.p.h.
 LANDING SPEED 78 m.p.h.
 STALLING SPEED 40 gals.
 FUEL CAPACITY 4 gals.
 OIL CAPACITY 146.5 sq. ft.
 WING AREA
 POWER - CURTISS D-12 500 h.p. at 2200 r.p.m.
 (NOT HIGH COMPRESSION ENGINE) 507 h.p. at 2380 r.p.m.

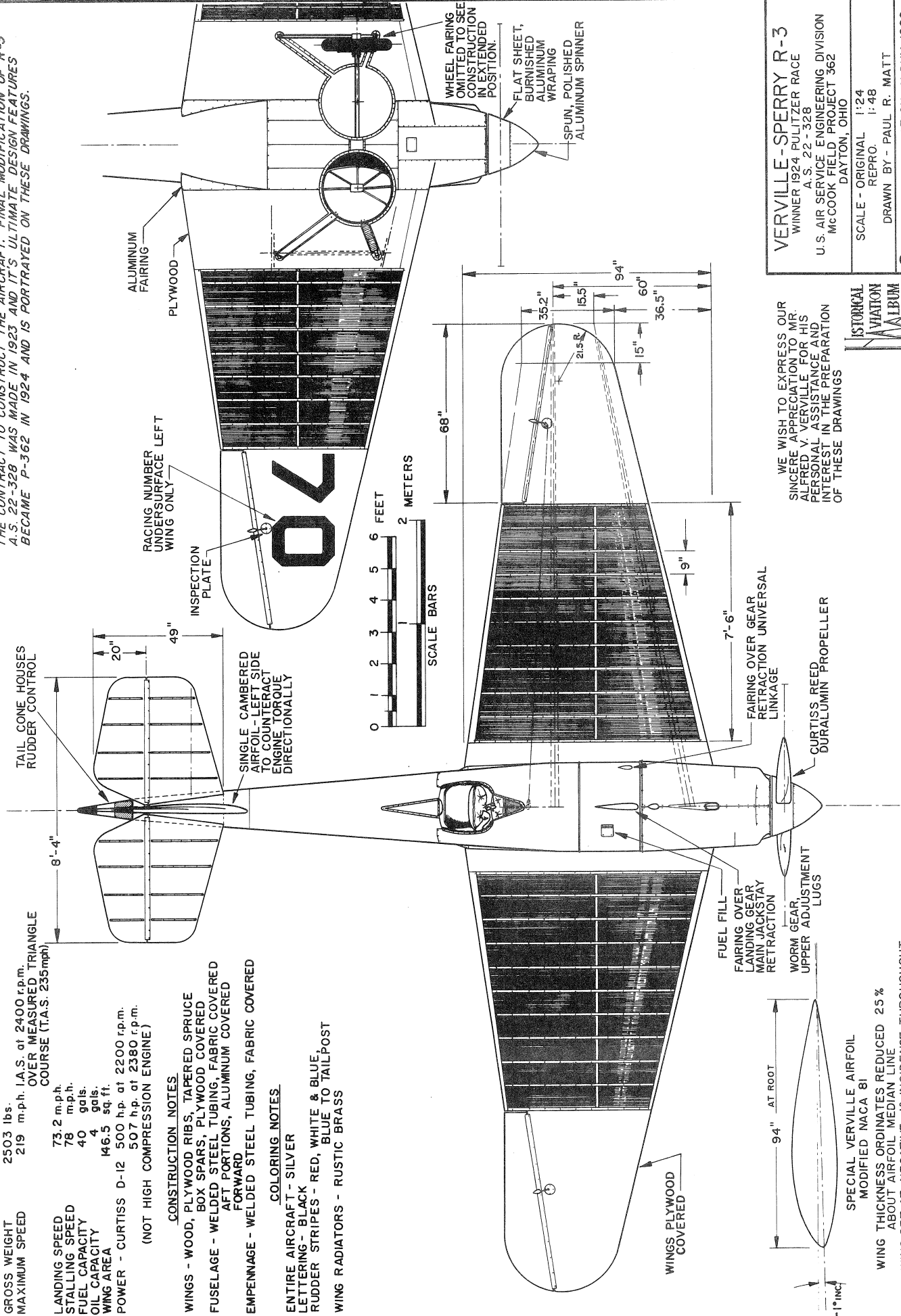
CONSTRUCTION NOTES

WINGS - WOOD, PLYWOOD RIBS, TAPERED SPRUCE BOX SPARS, PLYWOOD COVERED
 FUSELAGE - WELDED STEEL TUBING, FABRIC COVERED AFT PORTIONS, ALUMINUM COVERED FORWARD
 EMPENNAGE - WELDED STEEL TUBING, FABRIC COVERED

COLORING NOTES

ENTIRE AIRCRAFT - SILVER
 LETTERING - BLACK
 RUDDER STRIPES - RED, WHITE & BLUE, BLUE TO TAILPOST
 WING RADIATORS - RUSTIC BRASS

THREE R-3s WERE BUILT, A.S. 22-326, 22-327 AND 22-328 (1922). DESIGNED BY ALFRED V. VERVILLE, CHIEF OF PURSUIT AND RACING PLANE DESIGN PROJECTS, USAS ENGINEERING DIVISION, MCCOOK FIELD, DAYTON, OHIO BY DIRECTION OF BRIG. GEN. WILLIAM MITCHELL, ASST. CHIEF U.S. ARMY AIR SERVICE LAWRENCE SPERRY AIRCRAFT CO., FARMINGDALE, LONG ISLAND WAS AWARDED THE CONTRACT TO CONSTRUCT THE AIRCRAFT. FINAL MODIFICATION OF R-3 A.S. 22-328 WAS MADE IN 1923 AND IT'S ULTIMATE DESIGN FEATURES BECAME P-362 IN 1924 AND IS PORTRAYED ON THESE DRAWINGS.



WE WISH TO EXPRESS OUR SINCERE APPRECIATION TO MR. ALFRED V. VERVILLE FOR HIS PERSONAL ASSISTANCE AND INTEREST IN THE PREPARATION OF THESE DRAWINGS

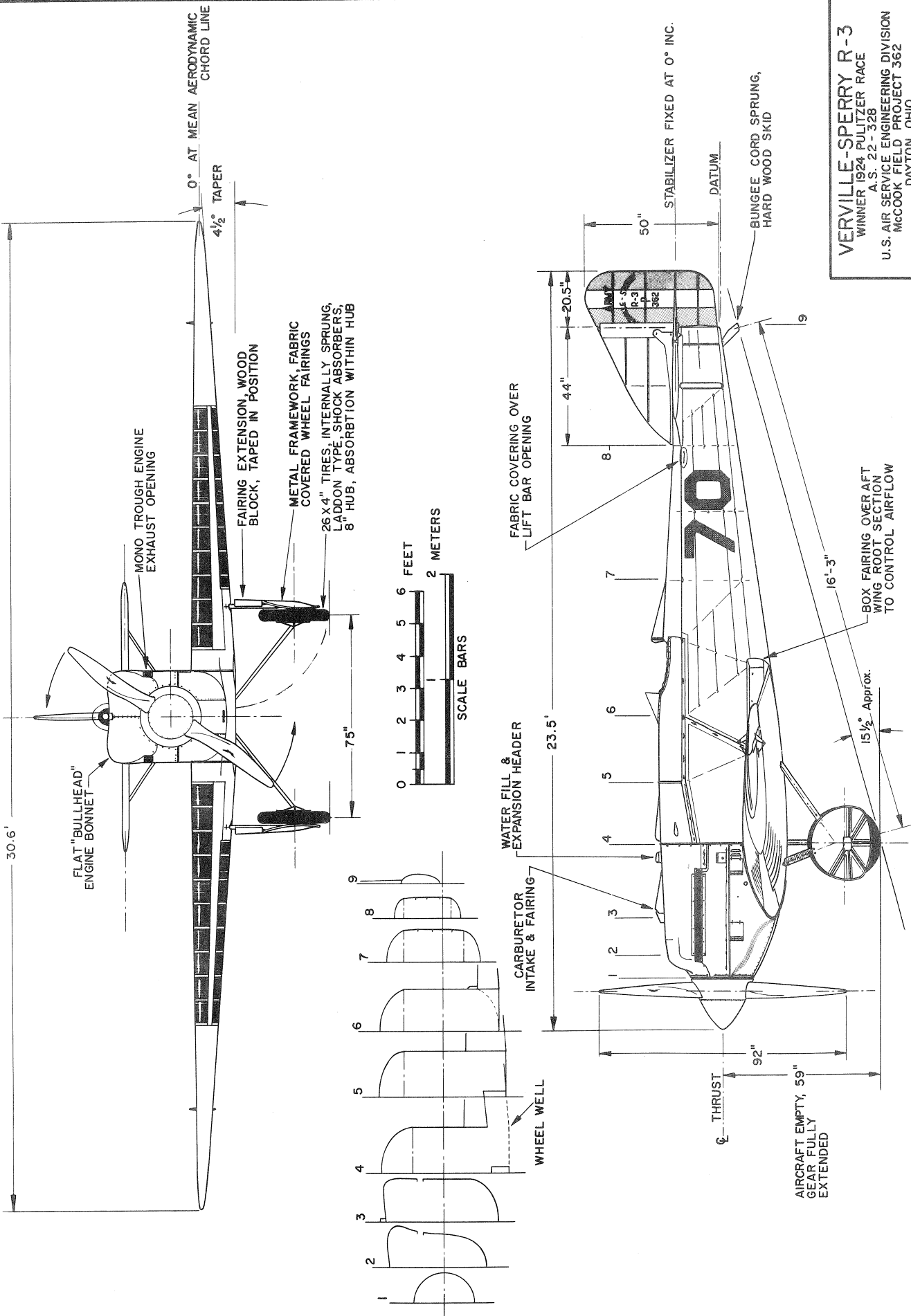


DRAWING No. 6-58-A PLATE 1 of 2

VERVILLE-SPERRY R-3
 WINNER 1924 PULITZER RACE
 A.S. 22-328
 U.S. AIR SERVICE ENGINEERING DIVISION
 MCCOOK FIELD PROJECT 362
 DAYTON, OHIO

SCALE - ORIGINAL 1:24
 REPRO. 1:48
 DRAWN BY - PAUL R. MATT

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