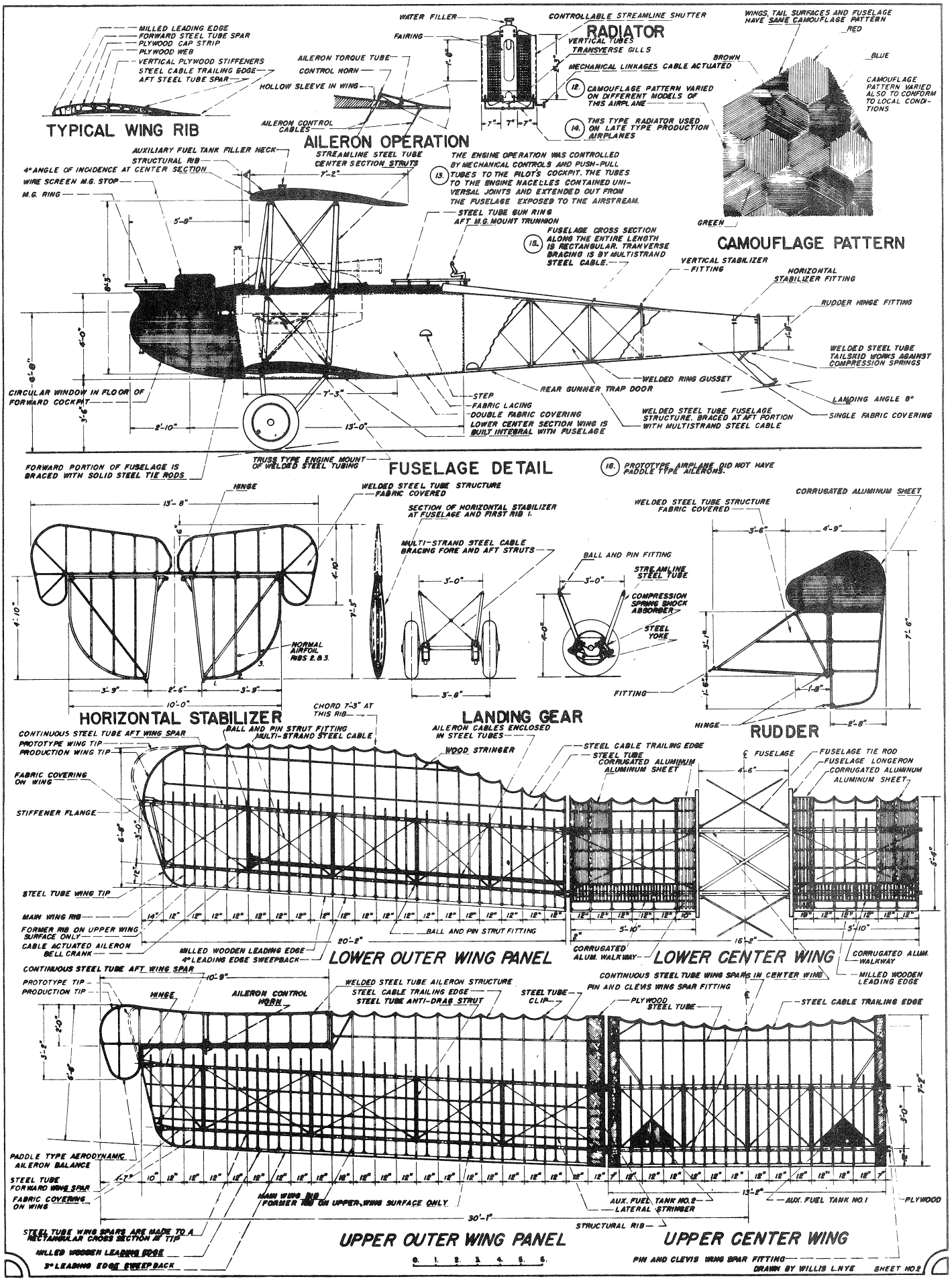
TYPICAL WING RIB
MILLED LEADING EDGE
FORWARD STEEL TUBE SPAR
PLYWOOD CAP STRIP
PLYWOOD WEB
VERTICAL PLYWOOD STIFFENERS
STEEL CABLE TRAILING EDGE
AFT STEEL TUBE SPAR
AILERON OPERATION
AILERON TORQUE TUBE
CONTROL HORN
HOLLOW SLEEVE IN WING
AILERON CONTROL CABLES
RADIATOR
WATER FILLER
FAIRING
CONTROLLABLE STREAMLINE SHUTTER
VERTICAL TUBES
TRANSVERSE GILLS
MECHANICAL LINKAGES CABLE ACTUATED
12. CAMOUFLAGE PATTERN VARIED ON DIFFERENT MODELS OF THIS AIRPLANE
14. THIS TYPE RADIATOR USED ON LATE TYPE PRODUCTION AIRPLANES
CAMOUFLAGE PATTERN
WINGS, TAIL SURFACES AND FUSELAGE HAVE SAME CAMOUFLAGE PATTERN
RED
BLUE
BROWN
GREEN
CAMOUFLAGE PATTERN VARIED ALSO TO CONFORM TO LOCAL CONDITIONS
FUSELAGE DETAIL
AUXILIARY FUEL TANK FILLER NECK
STRUCTURAL RIB
4° ANGLE OF INCIDENCE AT CENTER SECTION
WIRE SCREEN M.G. STOP
M.G. RING
STREAMLINE STEEL TUBE CENTER SECTION STRUTS
13. THE ENGINE OPERATION WAS CONTROLLED BY MECHANICAL CONTROLS AND PUSH-PULL TUBES TO THE PILOT'S COCKPIT. THE TUBES TO THE ENGINE NACELLES CONTAINED UNIVERSAL JOINTS AND EXTENDED OUT FROM THE FUSELAGE EXPOSED TO THE AIRSTREAM.
STEEL TUBE GUN RING
AFT M.G. MOUNT TRUNNION
15. FUSELAGE CROSS SECTION ALONG THE ENTIRE LENGTH IS RECTANGULAR. TRANVERSE BRACING IS BY MULTISTRAND STEEL CABLE.
VERTICAL STABILIZER FITTING
HORIZONTAL STABILIZER FITTING
RUDDER HINGE FITTING
WELDED STEEL TUBE TAILSKID WORKS AGAINST COMPRESSION SPRINGS
WELDED RING GUSSET
REAR GUNNER TRAP DOOR
LANDING ANGLE 8°
SINGLE FABRIC COVERING
WELDED STEEL TUBE FUSELAGE STRUCTURE. BRACED AT AFT PORTION WITH MULTISTRAND STEEL CABLE
CIRCULAR WINDOW IN FLOOR OF FORWARD COCKPIT
STEP
FABRIC LACING
DOUBLE FABRIC COVERING
LOWER CENTER SECTION WING IS BUILT INTEGRAL WITH FUSELAGE
TRUSS TYPE ENGINE MOUNT OF WELDED STEEL TUBING
FORWARD PORTION OF FUSELAGE IS BRACED WITH SOLID STEEL TIE RODS
16. PROTOTYPE AIRPLANE DID NOT HAVE PADDLE TYPE AILERONS.
HORIZONTAL STABILIZER
HINGE
WELDED STEEL TUBE STRUCTURE FABRIC COVERED
NORMAL AIRFOIL RIBS 2 & 3.
LANDING GEAR
SECTION OF HORIZONTAL STABILIZER AT FUSELAGE AND FIRST RIB 1.
MULTI-STRAND STEEL CABLE BRACING FORE AND AFT STRUTS
BALL AND PIN FITTING
STREAMLINE STEEL TUBE
COMPRESSION SPRING SHOCK ABSORBER
STEEL YOKE
RUDDER
WELDED STEEL TUBE STRUCTURE FABRIC COVERED
CORRUGATED ALUMINUM SHEET
FITTING
HINGE
LOWER OUTER WING PANEL
CONTINUOUS STEEL TUBE AFT WING SPAR
PROTOTYPE WING TIP
PRODUCTION WING TIP
BALL AND PIN STRUT FITTING
MULTI-STRAND STEEL CABLE
CHORD 7'-3" AT THIS RIB
AILERON CABLES ENCLOSED IN STEEL TUBES
WOOD STRINGER
FABRIC COVERING ON WING
STIFFENER FLANGE
STEEL TUBE WING TIP
MAIN WING RIB
FORMER RIB ON UPPER WING SURFACE ONLY
CABLE ACTUATED AILERON BELL CRANK
MILLED WOODEN LEADING EDGE
4° LEADING EDGE SWEEPBACK
LOWER CENTER WING
STEEL CABLE TRAILING EDGE
STEEL TUBE
CORRUGATED ALUMINUM
ALUMINUM SHEET
℄ FUSELAGE
FUSELAGE TIE ROD
FUSELAGE LONGERON
CORRUGATED ALUMINUM
ALUMINUM SHEET
CORRUGATED ALUM. WALKWAY
CORRUGATED ALUM. WALKWAY
MILLED WOODEN LEADING EDGE
UPPER OUTER WING PANEL
CONTINUOUS STEEL TUBE AFT WING SPAR
PROTOTYPE TIP
PRODUCTION TIP
HINGE
AILERON CONTROL HORN
WELDED STEEL TUBE AILERON STRUCTURE
STEEL CABLE TRAILING EDGE
STEEL TUBE ANTI-DRAG STRUT
PADDLE TYPE AERODYNAMIC AILERON BALANCE
STEEL TUBE FORWARD WING SPAR
FABRIC COVERING ON WING
MAIN WING RIB
FORMER RIB ON UPPER WING SURFACE ONLY
STEEL TUBE WING SPARS ARE MADE TO A RECTANGULAR CROSS SECTION AT TIP
MILLED WOODEN LEADING EDGE
3° LEADING EDGE SWEEPBACK
UPPER CENTER WING
CONTINUOUS STEEL TUBE WING SPARS IN CENTER WING
PIN AND CLEVIS WING SPAR FITTING
STEEL TUBE CLIP
PLYWOOD
STEEL TUBE
STEEL CABLE TRAILING EDGE
AUX. FUEL TANK NO. 2
LATERAL STRINGER
AUX. FUEL TANK NO. 1
PLYWOOD
STRUCTURAL RIB
PIN AND CLEVIS WING SPAR FITTING
DRAWN BY WILLIS L. NYE
SHEET NO. 2