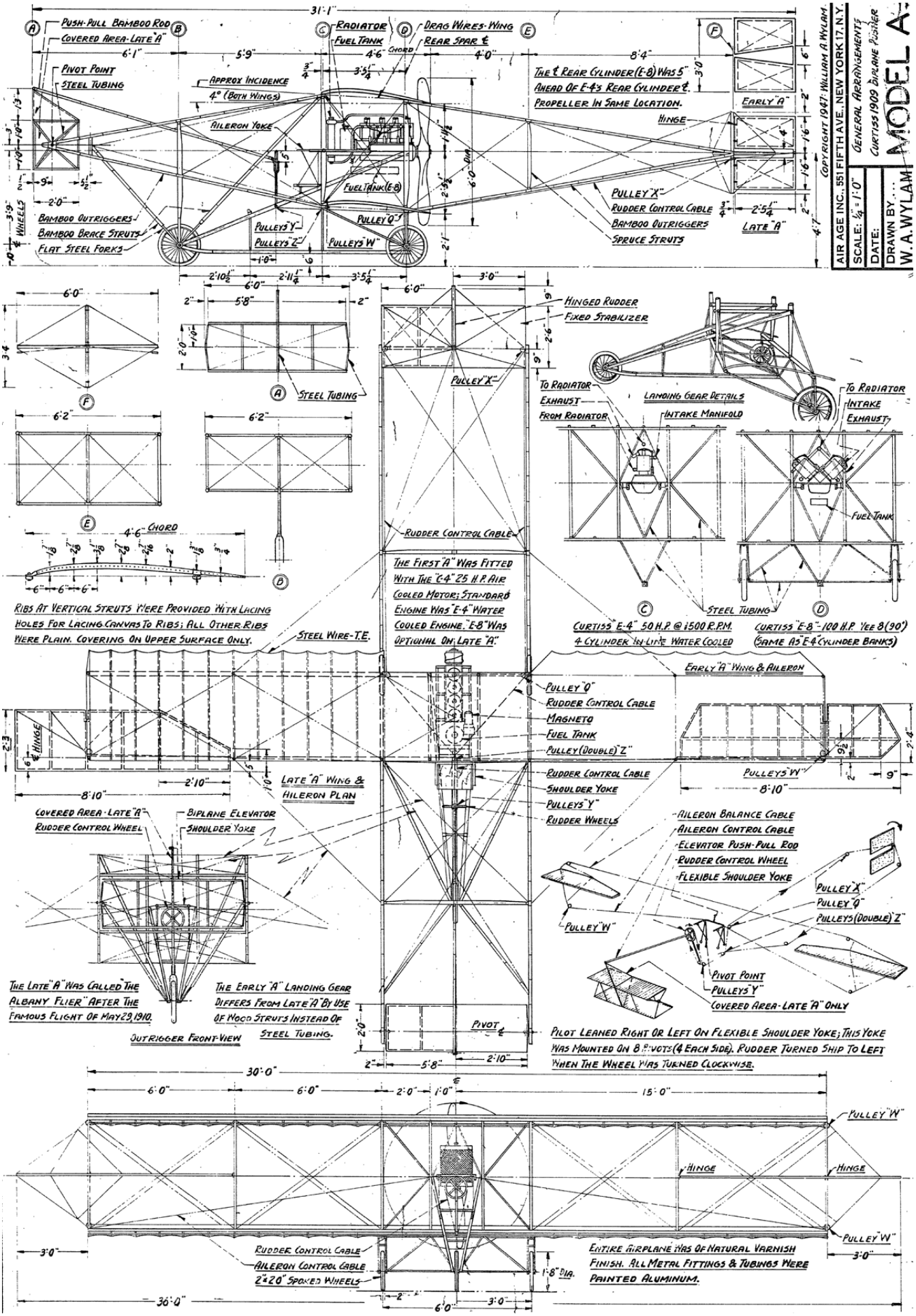
MODEL A
GENERAL ARRANGEMENTS
CURTISS 1909 BIPLANE PUSHER
AIR AGE INC., 551 FIFTH AVE., NEW YORK 17, N.Y.
SCALE: 1/4" = 1'-0"
DRAWN BY: W.A.WYLAM
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PUSH-PULL BAMBOO ROD
COVERED AREA-LATE "A"
PIVOT POINT STEEL TUBING
RADIATOR
FUEL TANK
DRAG WIRES-WING
REAR SPAR ℄
CHORD
APPROX INCIDENCE 4° (BOTH WINGS)
AILERON YOKE
THE ℄ REAR CYLINDER (E-8) WAS 5" AHEAD OF E-4'S REAR CYLINDER ℄. PROPELLER IN SAME LOCATION.
EARLY "A"
HINGE
FUEL TANK (E-8)
PULLEY "X"
RUDDER CONTROL CABLE
BAMBOO OUTRIGGERS
SPRUCE STRUTS
LATE "A"
PULLEYS "Y"
PULLEYS "Z"
PULLEY "Q"
PULLEYS "W"
BAMBOO OUTRIGGERS
BAMBOO BRACE STRUTS
FLAT STEEL FORKS
HINGED RUDDER
FIXED STABILIZER
STEEL TUBING
LANDING GEAR DETAILS
TO RADIATOR
EXHAUST
FROM RADIATOR
INTAKE MANIFOLD
INTAKE
FUEL TANK
RUDDER CONTROL CABLE
THE FIRST "A" WAS FITTED WITH THE "C-4" 25 H.P. AIR COOLED MOTOR; STANDARD ENGINE WAS "E-4" WATER COOLED ENGINE. "E-8" WAS OPTIONAL ON LATE "A".
RIBS AT VERTICAL STRUTS WERE PROVIDED WITH LACING HOLES FOR LACING CANVAS TO RIBS; ALL OTHER RIBS WERE PLAIN. COVERING ON UPPER SURFACE ONLY.
STEEL WIRE-T.E.
CURTISS E-4" 50 H.P. @ 1500 R.P.M. 4 CYLINDER IN-LINE WATER COOLED
CURTISS "E-8" 100 H.P. VEE 8 (90°) (SAME AS E-4 CYLINDER BANKS)
EARLY "A" WING & AILERON
PULLEY "Q"
RUDDER CONTROL CABLE
MAGNETO
FUEL TANK
PULLEY (DOUBLE) "Z"
SHOULDER YOKE
PULLEYS "Y"
RUDDER WHEELS
PULLEYS "W"
LATE "A" WING & AILERON PLAN
COVERED AREA-LATE "A"
RUDDER CONTROL WHEEL
BIPLANE ELEVATOR
SHOULDER YOKE
AILERON BALANCE CABLE
AILERON CONTROL CABLE
ELEVATOR PUSH-PULL ROD
RUDDER CONTROL WHEEL
FLEXIBLE SHOULDER YOKE
PULLEY "X"
PULLEY "Q"
PULLEYS (DOUBLE) "Z"
PULLEY "W"
PIVOT POINT
PULLEYS "Y"
COVERED AREA-LATE "A" ONLY
THE LATE "A" WAS CALLED "THE ALBANY FLIER" AFTER THE FAMOUS FLIGHT OF MAY 29, 1910.
THE EARLY "A" LANDING GEAR DIFFERS FROM LATE "A" BY USE OF WOOD STRUTS INSTEAD OF STEEL TUBING.
OUTRIGGER FRONT-VIEW
PIVOT ℄
PILOT LEANED RIGHT OR LEFT ON FLEXIBLE SHOULDER YOKE; THIS YOKE WAS MOUNTED ON 8 PIVOTS (4 EACH SIDE). RUDDER TURNED SHIP TO LEFT WHEN THE WHEEL WAS TURNED CLOCKWISE.
HINGE
RUDDER CONTROL CABLE
AILERON CONTROL CABLE
2'-20" SPOKED WHEELS
1'-8" DIA.
ENTIRE AIRPLANE WAS OF NATURAL VARNISH FINISH. ALL METAL FITTINGS & TUBINGS WERE PAINTED ALUMINUM.