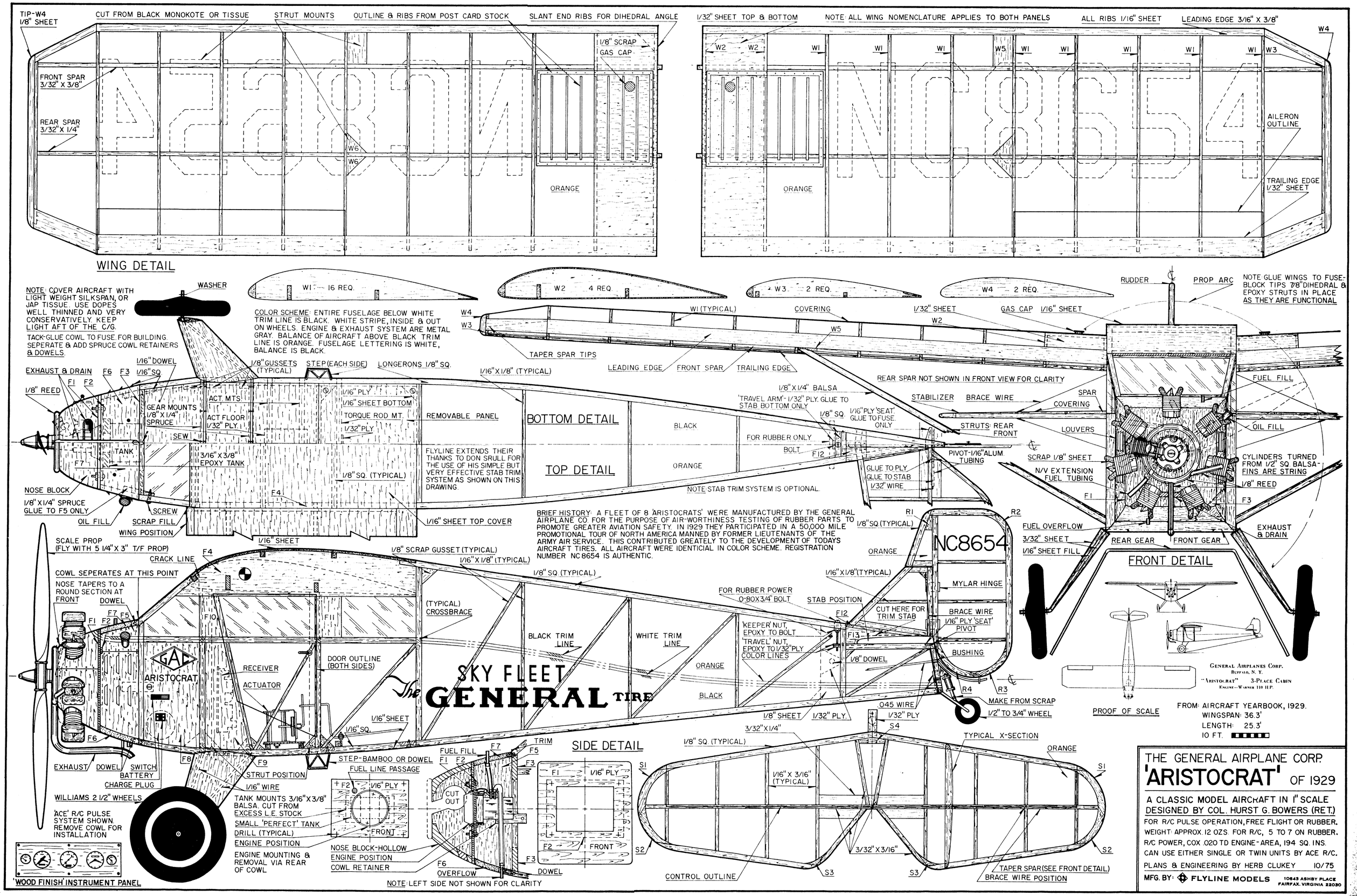
TIP-W4 1/8" SHEET
CUT FROM BLACK MONOKOTE OR TISSUE
STRUT MOUNTS
OUTLINE & RIBS FROM POST CARD STOCK
SLANT END RIBS FOR DIHEDRAL ANGLE
1/32" SHEET TOP & BOTTOM
NOTE: ALL WING NOMENCLATURE APPLIES TO BOTH PANELS
ALL RIBS 1/16" SHEET
LEADING EDGE 3/16" X 3/8"
W4
FRONT SPAR 3/32" X 3/8"
REAR SPAR 3/32" X 1/4"
1/8" SCRAP
GAS CAP
W6
ORANGE
W2
W1
W5
W3
AILERON OUTLINE
TRAILING EDGE 1/32" SHEET
WING DETAIL
NOTE: COVER AIRCRAFT WITH LIGHT WEIGHT SILKSPAN, OR JAP TISSUE. USE DOPES WELL THINNED AND VERY CONSERVATIVELY. KEEP LIGHT AFT OF THE C/G.
TACK-GLUE COWL TO FUSE. FOR BUILDING. SEPERATE & ADD SPRUCE COWL RETAINERS & DOWELS.
WASHER
W1 — 16 REQ.
W2 4 REQ.
W3 2 REQ.
W4 2 REQ.
COLOR SCHEME: ENTIRE FUSELAGE BELOW WHITE TRIM LINE IS BLACK. WHITE STRIPE, INSIDE & OUT ON WHEELS. ENGINE & EXHAUST SYSTEM ARE METAL GRAY. BALANCE OF AIRCRAFT ABOVE BLACK TRIM LINE IS ORANGE. FUSELAGE LETTERING IS WHITE, BALANCE IS BLACK.
W1 (TYPICAL)
COVERING
1/32" SHEET
GAS CAP
1/16" SHEET
RUDDER
PROP ARC
NOTE GLUE WINGS TO FUSE-BLOCK TIPS 7/8" DIHEDRAL & EPOXY STRUTS IN PLACE AS THEY ARE FUNCTIONAL
TAPER SPAR TIPS
LEADING EDGE
FRONT SPAR
TRAILING EDGE
EXHAUST & DRAIN
F6
F3
F1
F2
1/16" DOWEL
1/16" SQ.
1/8" REED
1/8" GUSSETS (TYPICAL)
STEP (EACH SIDE)
LONGERONS 1/8" SQ.
1/16" X 1/8" (TYPICAL)
GEAR MOUNTS 1/8" X 1/4" SPRUCE
ACT MTS
ACT FLOOR 1/32" PLY
SEW
TANK
F7
3/16" X 3/8" EPOXY TANK
1/16" PLY
1/16" SHEET BOTTOM
TORQUE ROD MT.
1/32" PLY
1/8" SQ. (TYPICAL)
REMOVABLE PANEL
BOTTOM DETAIL
TOP DETAIL
BLACK
ORANGE
FLYLINE EXTENDS THEIR THANKS TO DON SRULL FOR THE USE OF HIS SIMPLE BUT VERY EFFECTIVE STAB TRIM SYSTEM AS SHOWN ON THIS DRAWING.
NOTE: STAB TRIM SYSTEM IS OPTIONAL.
1/8" X 1/4" BALSA
'TRAVEL ARM' - 1/32" PLY. GLUE TO STAB BOTTOM ONLY
1/8" SQ.
1/16" PLY 'SEAT' GLUE TO FUSE. ONLY
FOR RUBBER ONLY
BOLT
F12
GLUE TO PLY
GLUE TO STAB
1/32" WIRE
REAR SPAR NOT SHOWN IN FRONT VIEW FOR CLARITY
STABILIZER
BRACE WIRE
SPAR
COVERING
STRUTS: REAR
FRONT
PIVOT-1/16" ALUM. TUBING
SCRAP 1/8" SHEET
N/V EXTENSION FUEL TUBING
FUEL FILL
LOUVERS
OIL FILL
CYLINDERS TURNED FROM 1/2" SQ. BALSA-FINS ARE STRING
1/8" REED
F1
F3
NOSE BLOCK
1/8" X 1/4" SPRUCE GLUE TO F5 ONLY
SCREW
OIL FILL
SCRAP FILL
WING POSITION
1/16" SHEET TOP COVER
1/16" SHEET
BRIEF HISTORY: A FLEET OF 8 'ARISTOCRATS' WERE MANUFACTURED BY THE GENERAL AIRPLANE CO. FOR THE PURPOSE OF AIR-WORTHINESS TESTING OF RUBBER PARTS TO PROMOTE GREATER AVIATION SAFETY. IN 1929 THEY PARTICIPATED IN A 50,000 MILE PROMOTIONAL TOUR OF NORTH AMERICA MANNED BY FORMER LIEUTENANTS OF THE ARMY AIR SERVICE. THIS CONTRIBUTED GREATELY TO THE DEVELOPMENT OF TODAYS AIRCRAFT TIRES. ALL AIRCRAFT WERE IDENTICIAL IN COLOR SCHEME. REGISTRATION NUMBER NC 8654 IS AUTHENTIC.
R1
R2
1/8" SQ. (TYPICAL)
NC8654
FUEL OVERFLOW
3/32" SHEET
1/16" SHEET FILL
REAR GEAR
FRONT GEAR
EXHAUST & DRAIN
FRONT DETAIL
SCALE PROP (FLY WITH 5 1/4" X 3" T/F PROP)
CRACK LINE
F4
1/8" SCRAP GUSSET (TYPICAL)
1/16" X 1/8" (TYPICAL)
COWL SEPERATES AT THIS POINT
NOSE TAPERS TO A ROUND SECTION AT FRONT
DOWEL
F7
F5
F1
F2
F10
F11
(TYPICAL) CROSSBRACE
1/8" SQ. (TYPICAL)
1/16" X 1/8" (TYPICAL)
ORANGE
MYLAR HINGE
FOR RUBBER POWER 0-80 X 3/4" BOLT
STAB POSITION
F12
CUT HERE FOR TRIM STAB
BRACE WIRE
1/16" PLY 'SEAT' PIVOT
BUSHING
BLACK TRIM LINE
WHITE TRIM LINE
'KEEPER' NUT, EPOXY TO BOLT
'TRAVEL' NUT, EPOXY TO 1/32" PLY
COLOR LINES
F13
1/8" DOWEL
ORANGE
BLACK
R4
R3
MAKE FROM SCRAP
1/2" TO 3/4" WHEEL
GAC
ARISTOCRAT
RECEIVER
ACTUATOR
DOOR OUTLINE (BOTH SIDES)
SKY FLEET
The GENERAL TIRE
1/16" SHEET
1/16" SQ.
F6
F8
F9
EXHAUST
DOWEL
SWITCH
BATTERY
CHARGE PLUG
STRUT POSITION
1/16" WIRE
WILLIAMS 2 1/2" WHEELS
'ACE' R/C PULSE SYSTEM SHOWN. REMOVE COWL FOR INSTALLATION
'WOOD FINISH' INSTRUMENT PANEL
STEP-BAMBOO OR DOWEL
FUEL LINE PASSAGE
TANK MOUNTS 3/16" X 3/8" BALSA. CUT FROM EXCESS L.E. STOCK
SMALL 'PERFECT' TANK
DRILL (TYPICAL)
ENGINE POSITION
ENGINE MOUNTING & REMOVAL VIA REAR OF COWL
1/16" PLY
FRONT
NOSE BLOCK-HOLLOW
ENGINE POSITION
COWL RETAINER
FUEL FILL
F1
F2
F7
TRIM
F5
F3
CUT OUT
F6
OVERFLOW
DOWEL
SIDE DETAIL
NOTE: LEFT SIDE NOT SHOWN FOR CLARITY
.045 WIRE
1/32" PLY
1/8" SHEET
1/32" PLY.
S4
3/32" X 1/4"
1/8" SQ. (TYPICAL)
TYPICAL X-SECTION
ORANGE
S1
S2
S3
1/16" X 3/16" (TYPICAL)
3/32" X 3/16"
CONTROL OUTLINE
TAPER SPAR (SEE FRONT DETAIL)
BRACE WIRE POSITION
GENERAL AIRPLANES CORP.
BUFFALO, N. Y.
"ARISTOCRAT" 3-PLACE CABIN
ENGINE — WARNER 110 H.P.
PROOF OF SCALE
FROM: AIRCRAFT YEARBOOK, 1929.
WINGSPAN: 36.3'
LENGTH: 25.3'
10 FT.
THE GENERAL AIRPLANE CORP.
'ARISTOCRAT' OF 1929
A CLASSIC MODEL AIRCRAFT IN 1" SCALE DESIGNED BY COL. HURST G. BOWERS (RET.)
FOR R/C PULSE OPERATION, FREE FLIGHT OR RUBBER.
WEIGHT: APPROX. 12 OZS. FOR R/C, 5 TO 7 ON RUBBER.
R/C POWER, COX .020 TD ENGINE - AREA, 194 SQ. INS.
CAN USE EITHER SINGLE OR TWIN UNITS BY ACE R/C.
PLANS & ENGINEERING BY HERB CLUKEY 10/75
MFG. BY: FLYLINE MODELS
10643 ASHBY PLACE
FAIRFAX, VIRGINIA 22030