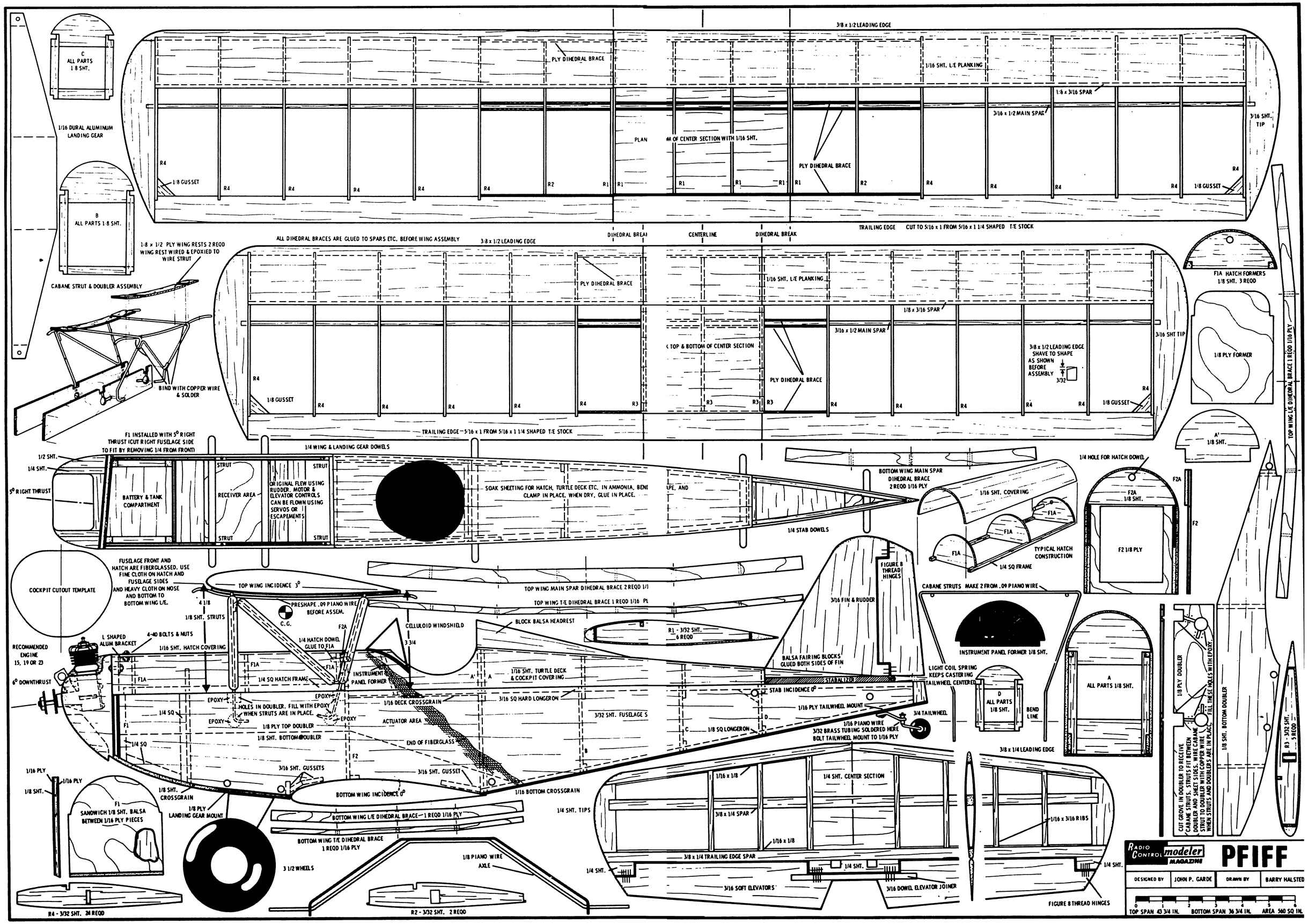
C
ALL PARTS
1/8 SHT.
1/16 DURAL ALUMINUM LANDING GEAR
B
ALL PARTS 1/8 SHT.
3/8 x 1/2 LEADING EDGE
PLY DIHEDRAL BRACE
1/16 SHT. L/E PLANKING
1/8 x 3/16 SPAR
3/16 x 1/2 MAIN SPAR
3/16 SHT. TIP
PLAN
OF CENTER SECTION WITH 1/16 SHT.
PLY DIHEDRAL BRACE
R4
1/8 GUSSET
R4
R4
R4
R4
R4
R2
R1
R1
R1
R1
R1
R1
R2
R4
R4
R4
R4
R4
1/8 GUSSET
TRAILING EDGE CUT TO 5/16 x 1 FROM 5/16 x 1 1/4 SHAPED T/E STOCK
ALL DIHEDRAL BRACES ARE GLUED TO SPARS ETC. BEFORE WING ASSEMBLY
3/8 x 1/2 LEADING EDGE
DIHEDRAL BREAK
CENTERLINE
DIHEDRAL BREAK
1/8 x 3/16 PLY WING RESTS 2 REQD
WING REST WIRED & EPOXIED TO WIRE STRUT
CABANE STRUT & DOUBLER ASSEMBLY
BIND WITH COPPER WIRE & SOLDER
PLY DIHEDRAL BRACE
1/16 SHT. L/E PLANKING
1/8 x 3/16 SPAR
3/16 x 1/2 MAIN SPAR
TOP & BOTTOM OF CENTER SECTION
3/8 x 1/2 LEADING EDGE SHAVE TO SHAPE AS SHOWN BEFORE ASSEMBLY
3/32
3/16 SHT TIP
PLY DIHEDRAL BRACE
R4
1/8 GUSSET
R4
R4
R4
R4
R4
R3
R3
R3
R3
R4
R4
R4
R4
R4
1/8 GUSSET
TRAILING EDGE 5/16 x 1 FROM 5/16 x 1 1/4 SHAPED T/E STOCK
F1A HATCH FORMERS
1/8 SHT. 3 REQD
1/8 PLY FORMER
TOP WING L/E DIHEDRAL BRACE 1 REQD 1/16 PLY
A'
1/8 SHT.
F1 INSTALLED WITH 5° RIGHT THRUST (CUT RIGHT FUSELAGE SIDE TO FIT BY REMOVING 1/4 FROM FRONT)
1/4 WING & LANDING GEAR DOWELS
1/2 SHT.
1/4 SHT.
5° RIGHT THRUST
BATTERY & TANK COMPARTMENT
STRUT
STRUT
RECEIVER AREA
STRUT
STRUT
ORIGINAL FLEW USING RUDDER, MOTOR & ELEVATOR CONTROLS CAN BE FLOWN USING SERVOS OR ESCAPEMENTS
SOAK SHEETING FOR HATCH, TURTLE DECK ETC. IN AMMONIA, BEND
PE, AND
CLAMP IN PLACE. WHEN DRY, GLUE IN PLACE.
1/4 STAB DOWELS
BOTTOM WING MAIN SPAR DIHEDRAL BRACE 2 REQD 1/16 PLY
1/4 HOLE FOR HATCH DOWEL
1/16 SHT. COVERING
F1A
F1A
F1A
F1A
TYPICAL HATCH CONSTRUCTION
1/4 SQ FRAME
F2A
1/8 SHT.
F2
F2 1/8 PLY
COCKPIT CUTOUT TEMPLATE
FUSELAGE FRONT AND HATCH ARE FIBERGLASSED. USE FINE CLOTH ON HATCH AND FUSELAGE SIDES AND HEAVY CLOTH ON NOSE AND BOTTOM TO BOTTOM WING L/E.
TOP WING INCIDENCE 3°
TOP WING MAIN SPAR DIHEDRAL BRACE 2 REQD 1/1
TOP WING T/E DIHEDRAL BRACE 1 REQD 1/16 PL
FIGURE 8 THREAD HINGES
3/16 FIN & RUDDER
CABANE STRUTS MAKE 2 FROM .09 PIANO WIRE
4 1/8
1/8 SHT. STRUTS
PRESHAPE .09 PIANO WIRE BEFORE ASSEM.
C.G.
F2A
CELLULOID WINDSHIELD
BLOCK BALSA HEADREST
R1 - 3/32 SHT. 6 REQD
3 3/4
RECOMMENDED ENGINE 15, 19 OR 23
L SHAPED ALUM BRACKET
4-40 BOLTS & NUTS
1/16 SHT. HATCH COVERING
1/4 HATCH DOWEL GLUE TO F1A
F1A
F1A
F1A
1/4 SQ HATCH FRAME
INSTRUMENT PANEL FORMER
A'
A
1/16 SHT. TURTLE DECK & COCKPIT COVERING
BALSA FAIRING BLOCKS GLUED BOTH SIDES OF FIN
STABILIZER
INSTRUMENT PANEL FORMER 1/8 SHT.
LIGHT COIL SPRING KEEPS CASTERING TAILWHEEL CENTERED
6° DOWNTHRUST
EPOXY
EPOXY
HOLES IN DOUBLER. FILL WITH EPOXY WHEN STRUTS ARE IN PLACE.
EPOXY
EPOXY
1/16 DECK CROSSGRAIN
3/16 SQ HARD LONGERON
STAB INCIDENCE 0°
1/16 PLY TAILWHEEL MOUNT
D
ALL PARTS 1/8 SHT.
BEND LINE
A
ALL PARTS 1/8 SHT.
1/8 PLY DOUBLER
1/4 SQ
1/8 PLY TOP DOUBLER
ACTUATOR AREA
3/32 SHT. FUSELAGE S
1/8 SQ LONGERON
1/16 PIANO WIRE
3/32 BRASS TUBING SOLDERED HERE
BOLT TAILWHEEL MOUNT TO 1/16 PLY
3/4 TAILWHEEL
1/8 SHT. BOTTOM DOUBLER
F1
1/4 SQ
END OF FIBERGLASS
F2
3/8 x 1/4 LEADING EDGE
CUT GROVE IN DOUBLER TO RECEIVE CABANE STRUTS. STRUTS FIT BETWEEN DOUBLER AND SHEET SIDES. WIRE CABANE STRUT TO DOUBLER WITH COPPER WIRE WHEN STRUTS AND DOUBLERS ARE IN PLACE.
FILL THESE HOLES WITH EPOXY.
1/8 SHT. BOTTOM DOUBLER
R3 - 3/32 SHT. 5 REQD
1/16 PLY
1/16 PLY
1/8 SHT.
F1
SANDWICH 1/8 SHT. BALSA BETWEEN 1/16 PLY PIECES
3/16 SHT. GUSSETS
1/8 SHT. CROSSGRAIN
1/8 PLY LANDING GEAR MOUNT
3/16 SHT. GUSSET
BOTTOM WING INCIDENCE 0°
1/16 BOTTOM CROSSGRAIN
1/4 SHT. TIPS
BOTTOM WING L/E DIHEDRAL BRACE 1 REQD 1/16 PLY
BOTTOM WING T/E DIHEDRAL BRACE 1 REQD 1/16 PLY
3 1/2 WHEELS
1/8 PIANO WIRE AXLE
R4 - 3/32 SHT. 24 REQD
R2 - 3/32 SHT. 2 REQD
1/16 x 1/8
1/4 SHT. CENTER SECTION
3/8 x 1/4 SPAR
1/16 x 1/8
3/8 x 1/4 TRAILING EDGE SPAR
1/4 SHT.
1/4 SHT.
3/16 SOFT ELEVATORS
3/16 DOWEL ELEVATOR JOINER
1/16 x 3/16 RIBS
1/4 SHT.
FIGURE 8 THREAD HINGES
RADIO CONTROL modeler MAGAZINE
PFIFF
DESIGNED BY
JOHN P. GARDE
DRAWN BY
BARRY HALSTED
0 1 2 3 4 5 6
TOP SPAN 43 3/4 IN.
BOTTOM SPAN 36 3/4 IN.
AREA 560 SQ IN.