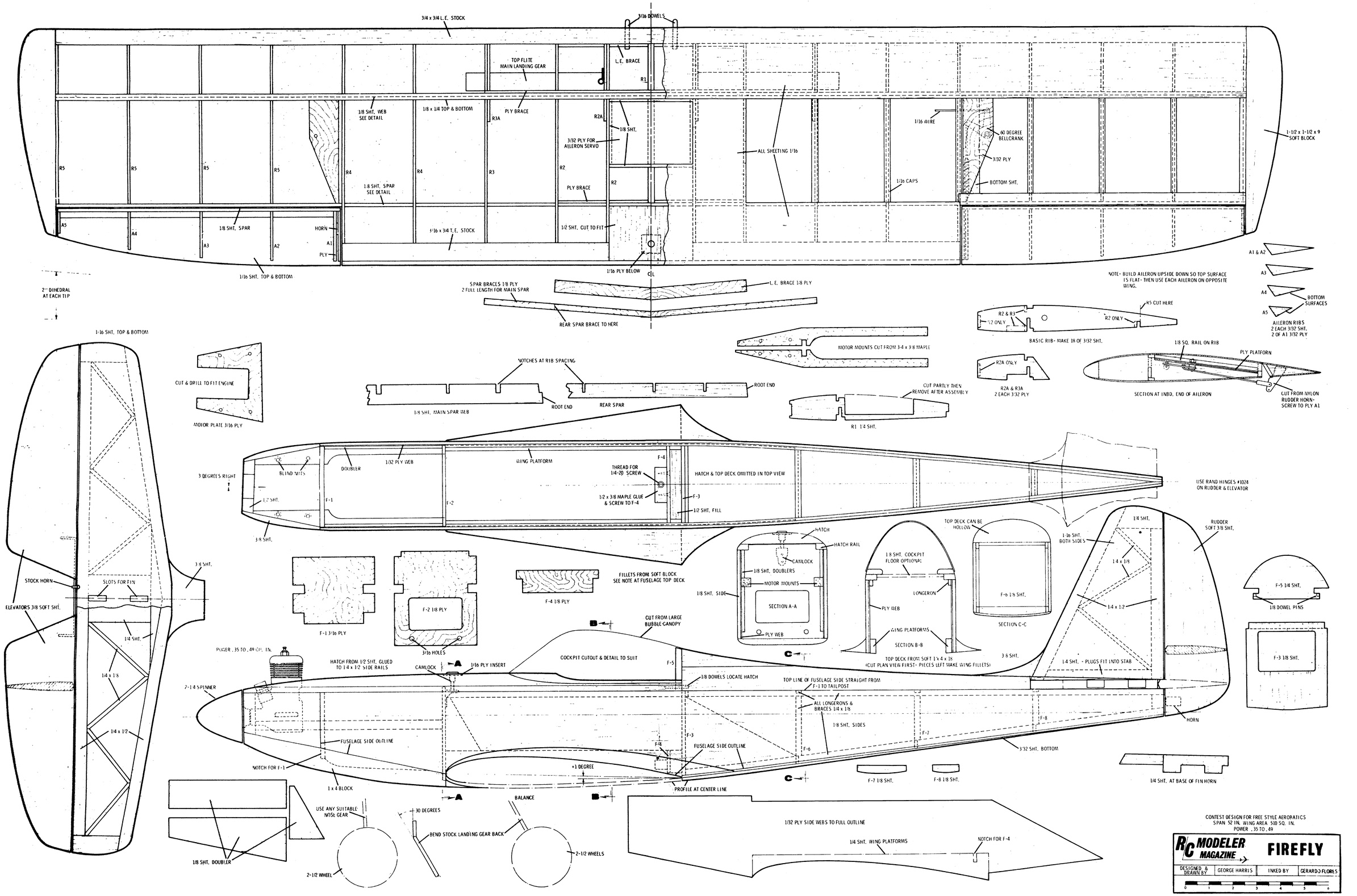
3/4 x 3/4 L.E. STOCK
3/16 DOWELS
TOP FLITE MAIN LANDING GEAR
L.E. BRACE
R1
1/8 SHT. WEB SEE DETAIL
1/8 x 1/4 TOP & BOTTOM
PLY BRACE
R3A
R2A
1/8 SHT.
3/32 PLY FOR AILERON SERVO
ALL SHEETING 1/16
1/16 WIRE
60 DEGREE BELLCRANK
3/32 PLY
BOTTOM SHT.
1/16 CAPS
1-1/2 x 1-1/2 x 9 SOFT BLOCK
R5
R4
R3
R2
1/8 SHT. SPAR SEE DETAIL
PLY BRACE
A5
A4
A3
A2
A1
HORN
PLY
1/8 SHT. SPAR
5/16 x 3/4 T.E. STOCK
1/2 SHT. CUT TO FIT
1/16 PLY BELOW
C/L
1/16 SHT. TOP & BOTTOM
2" DIHEDRAL AT EACH TIP
SPAR BRACES 1/8 PLY 2 FULL LENGTH FOR MAIN SPAR
L.E. BRACE 1/8 PLY
REAR SPAR BRACE TO HERE
NOTE- BUILD AILERON UPSIDE DOWN SO TOP SURFACE IS FLAT- THEN USE EACH AILERON ON OPPOSITE WING.
A1 & A2
A3
A4
A5
BOTTOM SURFACES
AILERON RIBS 2 EACH 3/32 SHT. 2 OF A1 3/32 PLY
R5 CUT HERE
R2 & R3
R2 ONLY
R2 ONLY
BASIC RIB- MAKE 18 OF 3/32 SHT.
MOTOR MOUNTS CUT FROM 3-4 x 3/8 MAPLE
1/8 SQ. RAIL ON RIB
PLY PLATFORM
R2A ONLY
R2A & R3A 2 EACH 3/32 PLY
SECTION AT INBD. END OF AILERON
CUT FROM NYLON RUDDER HORN- SCREW TO PLY A1
1/16 SHT. TOP & BOTTOM
CUT & DRILL TO FIT ENGINE
MOTOR PLATE 3/16 PLY
NOTCHES AT RIB SPACING
1/8 SHT. MAIN SPAR WEB
ROOT END
REAR SPAR
ROOT END
CUT PARTLY THEN REMOVE AFTER ASSEMBLY
R1 1/4 SHT.
3 DEGREES RIGHT
BLIND NUTS
DOUBLER
1/32 PLY WEB
WING PLATFORM
F-4
THREAD FOR 1/4-20 SCREW
HATCH & TOP DECK OMITTED IN TOP VIEW
1/2 x 3/8 MAPLE GLUE & SCREW TO F-4
F-3
1/2 SHT. FILL
1/2 SHT.
F-1
F-2
3/8 SHT.
USE RAND HINGES #1024 ON RUDDER & ELEVATOR
3/8 SHT.
STOCK HORN
SLOTS FOR FIN
ELEVATORS 3/8 SOFT SHT.
1/4 SHT.
1/4 x 1/8
1/4 x 1/2
F-1 3/16 PLY
F-2 1/8 PLY
3/16 HOLES
F-4 1/8 PLY
FILLETS FROM SOFT BLOCK SEE NOTE AT FUSELAGE TOP DECK
HATCH
HATCH RAIL
CAMLOCK
1/8 SHT. DOUBLERS
MOTOR MOUNTS
1/8 SHT. SIDE
SECTION A-A
PLY WEB
1/8 SHT. COCKPIT FLOOR OPTIONAL
LONGERON
PLY WEB
WING PLATFORMS
SECTION B-B
TOP DECK CAN BE HOLLOW
F-6 1/8 SHT.
SECTION C-C
TOP DECK FROM SOFT 1 x 4 x 16 (CUT PLAN VIEW FIRST- PIECES LEFT MAKE WING FILLETS)
3/8 SHT.
1/16 SHT. BOTH SIDES
1/4 SHT.
1/4 x 1/8
1/4 x 1/2
RUDDER SOFT 3/8 SHT.
F-5 1/4 SHT.
1/8 DOWEL PINS
F-3 1/8 SHT.
1/4 SHT. - PLUGS FIT INTO STAB
HORN
1/4 SHT. AT BASE OF FIN HORN
CUT FROM LARGE BUBBLE CANOPY
COCKPIT CUTOUT & DETAIL TO SUIT
F-5
PUSHER .35 TO .49 CU. IN.
HATCH FROM 1/2 SHT. GLUED TO 1/4 x 1/2 SIDE RAILS
CAMLOCK
1/16 PLY INSERT
1/8 DOWELS LOCATE HATCH
TOP LINE OF FUSELAGE SIDE STRAIGHT FROM F-1 TO TAILPOST
ALL LONGERONS & BRACES 1/4 x 1/8
1/8 SHT. SIDES
2-1/4 SPINNER
FUSELAGE SIDE OUTLINE
NOTCH FOR F-1
1 x 4 BLOCK
F-3
F-4
FUSELAGE SIDE OUTLINE
+1 DEGREE
PROFILE AT CENTER LINE
F-6
F-7
F-8
3/32 SHT. BOTTOM
F-7 1/8 SHT.
F-8 1/8 SHT.
1/8 SHT. DOUBLER
USE ANY SUITABLE NOSE GEAR
30 DEGREES
BEND STOCK LANDING GEAR BACK
BALANCE
2-1/2 WHEEL
2-1/2 WHEELS
1/32 PLY SIDE WEBS TO FULL OUTLINE
1/4 SHT. WING PLATFORMS
NOTCH FOR F-4
CONTEST DESIGN FOR FREE STYLE AEROBATICS
SPAN 52 IN. WING AREA 510 SQ. IN.
POWER .35 TO .49
RC MODELER MAGAZINE
FIREFLY
DESIGNED & DRAWN BY
GEORGE HARRIS
INKED BY
GERARDO FLORES
0 1 2 3 4 5 6