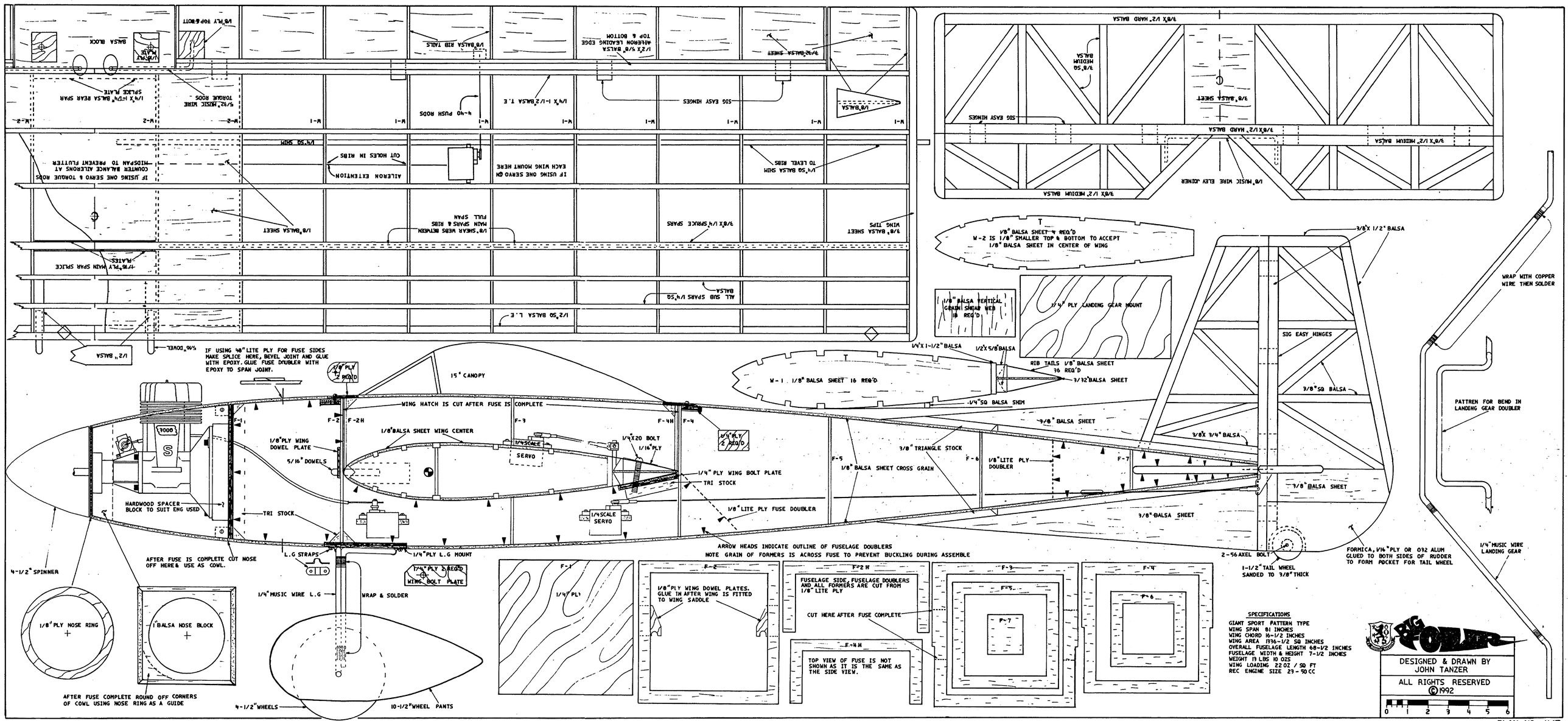
1/8" PLY TOP & BOTT
BALSA BLOCK
1/8" PLY MAIN
1/8" BALSA RIB TAILS
1/2"X 5/8" BALSA TOP & BOTTOM
3/32" BALSA SHEET
SIG EASY HINGES
1/4"X 1-1/2" BALSA T.E
4-40 PUSH RODS
5/32" MUSIC WIRE TORQUE RODS
1/4"X 1-1/2" BALSA REAR SPAR
SPLICE PLATE
1/8" BALSA
W-1
W-2
W-2
1/4"50 SHIM
IF USING ONE SERVO & TORQUE RODS COUNTER BALANCE ALLERONS AT MIDSPAN TO PREVENT FLUTTER
ALLERON EXTENTION
CUT HOLES IN RIBS
IF USING ONE SERVO ON EACH WING MOUNT HERE
1/4"50 BALSA SHIM TO LEVEL RIBS
1/8" BALSA SHEET
1/8" SHEAR WEBS BETWEEN MAIN SPARS & RIBS FULL SPAN
3/8"X 1/4" SPRUCE SPARS
3/8" BALSA SHEET WING TIPS
1/16" PLY MAIN SPAR SPLICE PLATES
ALL SUB SPARS 1/4"50 BALSA
1/2"50 BALSA L.E
1/2" BALSA
5/16" DOWEL
3/8"X 1/2" HARD BALSA
3/8"50 MEDIUM BALSA
3/8" BALSA SHEET
1/8" MUSIC WIRE ELEV JOINER
3/8"X 1/2" MEDIUM BALSA
1/8" BALSA SHEET - 4 REQ'D
W-2 IS 1/8" SMALLER TOP & BOTTOM TO ACCEPT 1/8" BALSA SHEET IN CENTER OF WING
1/8" BALSA VERTICAL GRAIN SHEAR WEB 16 REQ'D
1/4" PLY LANDING GEAR MOUNT
3/8"X 1/2" BALSA
WRAP WITH COPPER WIRE THEN SOLDER
SIG EASY HINGES
3/8"SQ BALSA
PATTREN FOR BEND IN LANDING GEAR DOUBLER
1/4"X 1-1/2" BALSA
1/2"X 5/8" BALSA
RIB TAILS 1/8" BALSA SHEET 96 REQ'D
3/32" BALSA SHEET
W-1 1/8" BALSA SHEET 16 REQ'D
1/4"SQ BALSA SHIM
3/8" BALSA SHEET
3/8"X 3/4" BALSA
3/8" BALSA SHEET
3/8" BALSA SHEET
IF USING 1/8" LITE PLY FOR FUSE SIDES MAKE SPLICE HERE, BEVEL JOINT AND GLUE WITH EPOXY. GLUE FUSE DOUBLER WITH EPOXY TO SPAN JOINT.
1/8" PLY 2 REQ'D
15" CANOPY
WING HATCH IS CUT AFTER FUSE IS COMPLETE
F-1
F-2
F-2H
F-3
F-4H
F-4
F-5
F-6
F-7
1/8" PLY WING DOWEL PLATE
5/16" DOWELS
1/8" BALSA SHEET WING CENTER
1/4 SCALE SERVO
1/4"X20 BOLT
1/16" PLY
1/4" PLY 2 REQ'D
1/4" PLY WING BOLT PLATE
TRI STOCK
3/8" TRIANGLE STOCK
1/8" BALSA SHEET CROSS GRAIN
1/8" LITE PLY DOUBLER
HARDWOOD SPACER BLOCK TO SUIT ENG USED
TRI STOCK
1/4 SCALE SERVO
1/8" LITE PLY FUSE DOUBLER
ARROW HEADS INDICATE OUTLINE OF FUSELAGE DOUBLERS
NOTE GRAIN OF FORMERS IS ACROSS FUSE TO PREVENT BUCKLING DURING ASSEMBLE
2-56 AXEL BOLT
1-1/2" TAIL WHEEL SANDED TO 3/8" THICK
FORMICA, 1/16" PLY OR .032 ALUM GLUED TO BOTH SIDES OF RUDDER TO FORM POCKET FOR TAIL WHEEL
1/4" MUSIC WIRE LANDING GEAR
4-1/2" SPINNER
AFTER FUSE IS COMPLETE CUT NOSE OFF HERE & USE AS COWL.
L.G STRAPS
1/4" PLY L.G MOUNT
1/4" PLY 2 REQ'D WING BOLT PLATE
1/4" MUSIC WIRE L.G
WRAP & SOLDER
1/8" PLY NOSE RING
1" BALSA NOSE BLOCK
AFTER FUSE COMPLETE ROUND OFF CORNERS OF COWL USING NOSE RING AS A GUIDE
4-1/2" WHEELS
10-1/2" WHEEL PANTS
F-1
1/4" PLY
F-2
1/8" PLY WING DOWEL PLATES. GLUE IN AFTER WING IS FITTED TO WING SADDLE
F-2H
FUSELAGE SIDE, FUSELAGE DOUBLERS AND ALL FORMERS ARE CUT FROM 1/8" LITE PLY
CUT HERE AFTER FUSE COMPLETE
F-4H
TOP VIEW OF FUSE IS NOT SHOWN AS IT IS THE SAME AS THE SIDE VIEW.
F-3
F-5
F-7
F-4
F-6
SPECIFICATIONS
GIANT SPORT PATTERN TYPE
WING SPAN 81 INCHES
WING CHORD 16-1/2 INCHES
WING AREA 1336-1/2 SQ INCHES
OVERALL FUSELAGE LENGTH 68-1/2 INCHES
FUSELAGE WIDTH & HEIGHT 7-1/2 INCHES
WEIGHT 13 LBS 10 OZS
WING LOADING 22 OZ / SQ FT
REC ENGINE SIZE 29 - 90 CC
BIG FOOLER
DESIGNED & DRAWN BY JOHN TANZER
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PLAN NO. 1147