TIP BLOCK 1/2"x1" BALSA
UPPER HINGE BRACKET 1/16" SH. MICARTA 1 REQ.
.045 MUWIRE PIN
1/8"x3/8" BALSA
ELEV. BRG. PLATE 1/16" SH. MICARTA 2 REQ.
UPPER HINGE BRACKET
1/4" BALSA GUSSET
ELEV. HINGE SUPP'T 3/32" SH. MICARTA 1 REQ.
FIN
1/8"x3/8" BALSA SPARS & RIBS
RUDDER
Note: Drill hinge pin holes with actual hinge pin wire.
1/4" SHEET BALSA
1/8"x3/16" BALSA
RUDDER BRG. PLATE 1/16" MICARTA 1 REQ.
COVER FIN WITH 1/16" SH. BALSA
.045 WIRE PIN
RUDDER BRG. PL.
1/8" SH. BALSA DOUBLER (2 EA.)
CUTOUTS
L. SIDE ONLY
1/8" SHEET BALSA
ELEV. HORN 3/32" SH. MICARTA MOUNT ON INB'D. END OF LEFT ELEV.

TRAILING EDGE 3/16"x1-1/2" BALSA
BEVEL BOTTOM
GUSSET (FLUSH ON TOP) 3/16" SH. BALSA
ELEV. BRG. PLATE CEMENT TO END OF ELEV. ASSEM.
ELEVATOR 'COVERS' 1/16" SH. BALSA TOP & BOTTOM
SPARS TOP & BOTTOM 3/16" SQ. BALSA
WING
TIP FORMER 3/16" SH. BALSA
WING RIBS 3/32" SH. BALSA RA-20 REQ. (SOLID LINES) RB-4 REQ. (DOTTED LINES)
ELEV. SPAR 3/8"x1/2" BALSA
ELEVATOR
HOLLOW OUT SPAR FOR 1/4" DIA. DOWEL AS SHOWN
3/16"x1/2" 'CAP'
10 REQ.
DFC
DFC-1 REQ.
.045 WIRE PIN
SPAR 1/8"x3/4" BALSA 1/8" SQ. CAPSTRIPS
1/4" SH. BALSA GUSSET
1/4" SH. BALSA
3 REQ.
3 REQ.
ELEV. HINGE SUPPORT
STABILIZER
RIBS 3/32" SH. BALSA
DFB-1 REQ.
DFB & DFC 3/16" SH. BALSA
1/16" SH. BALSA TOP & BOTTOM
1/32" SH. BALSA 'WEB' BETWEEN RIBS GRAIN VERTICAL
1/8" SH. RIB REINF.
TIP BLOCK 1" SQ. BALSA
1/8" SQ. BALSA TOP & BOTTOM
COVER TOP & BOTTOM 1/16" SH.
ENTIRE 2 SECTIONS
DFB
3/16" SQ. BALSA SPARS TOP & BOTTOM
ELEV. LEAD. EDGE 1/4" SQ. BALSA
RA RA RA RA RA RA RA RA RA RA RA RA RA DFA RB RB
LEADING EDGE 1/4"x1/2" BALSA

FUSEL. (BOTTOM)
3/8" DIA. DOWEL
'DOUBLER' LAYER 1/8" SH. BALSA
1/4" SH. BALSA 'RAIL' TAPER AS SHOWN
3/8" DIA. DOWEL
DFA 1/8" PLYWOOD 1 REQ.
HATCH FOR ESC'P. RUBBER
BALSA BLOCKS
1/4" PLYWOOD ENGINE MOUNT PLATE
1/2" SH. BALSA PADS
F1 F2 F3
1/4" SH. BALSA GRAIN VERTICAL
F2 1/4" SH. BALSA
F6
F7 1/4" SH. BALSA
CUTOUT FOR BABCOCK ESC'P. (SEE SHEET NO. 2)
1/4" SH. BALSA GUSSETS
F7 F8
FUSELAGE PLAN VIEW
1/8"x3/8" BALSA
1/8"x1/4" BALSA
GUSSET 1/4" SH. BALSA
FIN
TYPICAL FIN SECTION
ENGINE
FOX, VECO or TORP '35' (HOLES SHOWN FOR FOX)
BRAMCO THROTTLE
1"x2" BALSA BLOCKS
1/2" SH. BALSA REMOVEABLE HATCH
C.G.
WING SECTION THRU CENTER
PAINT ON WINDOWS AFT OF F3b
1/4" SH. BALSA 'RAIL'
TOP COVERING 1/8"x3" SH. BALSA
GUSSET 3/16" SH. BALSA
DORSAL
3/16" SH. BALSA
1/8"x1/4" BALSA LEADING EDGE
F3b F3c F6 F7 F8
1/8"x3" SH. BALSA
1/8"x3/8" BALSA
PLYWOOD ENG. MT. PLATE
.045 M.W. HOOK
1/8"x4" SH. BALSA
FUSELAGE SIDE VIEW
1/8" SH. BALSA DOUBLERS
STAB. SECTION AT CENTER
F2 F3a
1" LONG HEAVY COIL SPRING
1/8" SH. BALSA FLOOR GRAIN ACROSS CABIN
1/4" SQ. BALSA EA. SIDE
1/8" SH. BALSA DOUBLER
ENG. MT. DOUBLER 1/4" PLYWOOD
DRAIN HOLE
F4 F5 1/4"x1" SH. BALSA
1/8"x3" SH. BALSA ACROSS BOTTOM
F9
1-3/4" DIA. TAILWHEEL
2 BLOCKS (SOFT BALSA) SHAPE ON FUSEL. REMOVE CUTOUT AS SHOWN, INSTALL LAND. GEAR ON F-4, CEMENT BLOCKS IN PLACE.

2 STRUTS 1/8" MUSIC WIRE
F9 1/8" PLYWOOD
WOOD SCREWS
.062 MUSIC WIRE
BIND & SOLDER
LANDING GEAR
0 1 2 3 4 5 6 7 8 9 10 11 12
FLATTEN & MAKE OVAL 1/4" I.D. BRASS TUBE 3-1/8" LONG, SLIDE OVER BOTH LEGS BEFORE BENDING WHEEL PORTION
F4 1/8" PLYWOOD
'U' BOLTS

F6 3/16" SH. BALSA
3/16" SH. BALSA
F3c 1/8" SH. BALSA
1/8"x1/4" STRIP

'ARISTO' 3-1/2" AIRWHEELS

F3b 1/4" SH. BALSA
HOLE FOR BATT. SOCKET
HOOK FOR L.G. SPRING
F3a 1/4" SH. BALSA

F8 3/16" SH. BALSA
F-1 1/8" PLYWOOD
HOLE IN F8
1/8" SH. BALSA AFT SIDE OF F-1

AIRFOIL	N.A.C.A. 2412
WINGSPAN	72 ins.
WING AREA	6.5 sq. ft. 945 sq. ins.
WEIGHT	7.5 lbs. 120 ozs.
WING LOADING	18.5 ozs/s.f.
POWER LOADING	342 ozs/c.i.

Drawings by: Ed Yurkew