A 51-1/2" WINGSPAN FLYING BOAT

AQUARIUS

Designed by
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The Aeromodeller Plans Service
THE AERODROME, STANBRIDGE, NR. LEIGHTON BUZZARD, BEDS.

ALL WOODS BALSA UNLESS OTHERWISE STATED

F2A 1/8" SHT
F1B 1/16" SHT
F2 1/8" SHEET
F1A 1/8" SHT
F1 1/8" SHEET
F2B 1/16" SHEET

ARRANGEMENT OF CUT OUT MECHANISM ENGINE COWL SIDES TO BE RECESSED TO CLEAR TIMER ARM
TOP OF COWL PLUGGED ON BY MEANS OF 1/8" DOWELS AND PAPER TUBES
ED COMPETITION SPECIAL SHOWN
3/32" SHEET BRIDGE PIECE LET IN
ELMIC TIMER
BLOCK BALSA SPACER
1/2" SHEET COWL SIDES CARVE AND SAND TO SNAPE
COVER CENTRE SECTION WITH 1/32" SHEET
F8 1/8" SHT
F9 1/8" SHT
F10 1/8" SHT
CABIN BACKBONE PIECE
1/8" SHEET BALSA
SKETCH SHOWING GENERAL SHAPE OF ENGINE COWLING ENGINE OMITTED
COWL JOIN
DOPE PORT HOLES ON IN BLACK
1-1/2" SCREW ON SPINNER
10" DIA 8" PITCH PROP USED
F6 1/8" SHT
F7 1/8" SHT
CUT OUT TWO HULL SIDES TO CHAIN DOTTED LINES FROM MED.1/8" BALSA SHEET
TAIL BOOM BACKBONE CUT FROM 1/16" SHEET
BAMBOO PEGS
1/8" SQ. STRINGERS
CELLULOID WINDSHIELD
COVER WITH 1/32" SHEET
1/8" SQ STRINGERS
FILL THIS PANEL WITH BLOCK BALSA - SEE SECTION
GRAIN
1MM PLY PLATE
COVER TAIL BOOM WITH 1/32" SHEET WITH SEPARATE PANELS BETWEEN FORMERS DIRECTION OF GRAIN SHOWN
1/32" HARD BALSA DECKING
LIGHTENING HOLES
L.W.L.
STIFF CARD TRIM TAB, ONE PIECE EACH SIDE
FORMERS F15 - F20 ALL 1/16" SHEET
SOLID WOOD BOW
1/8" BALSA STIFFENER
1/8" BALSA KEEL TO ASSIST DIRECTIONAL STABILITY ON WATER
20 SWG RETAINING HOOKS CEMENTED ON
3"
1-1/8"
3/8"

FINISH

GIVE THE HULL SIX COATS OF DOPE WORKING WELL INTO ALL JOINTS AND SANDING BETWEEN EACH COAT. FINALLY GIVE TWO COATS OF BANANA OIL.
COVER WING, TAIL AND FIN WITH JAP TISSUE
GIVE THREE COATS OF DOPE AND TWO OF BANANA OIL

BALLSAT HOLE ADD LEAD SHOT IF REQUIRED AND SEAL WITH MODELLING CLAY
PAPER TUBES TO FIT 1/4" x 1/16" BAMBOO CEMENTED TO SUB-SPARS AND BOUND WITH TISSUE
ENGINE COWL
CABIN BACKBONE
BEARERS
1MM PLY FACING
1/8" HOLE
S1
S2
S3
NICK WITH KNIFE, CRACK AND CEMENT
CUT SPONSON STUBS FROM BLOCK BALSA
PAPER TUBE TO FIT 1/8" DIA DOWEL, DOPED TO RESIST WATER
CEMENT IN
HARD BALSA FACING RIB
COVER TOP ONLY WITH 1/32" SHEET
PAPER TUBES CEMENTED ON AND BOUND WITH TISSUE
3/4" x 1/4" SHEET T.E.
1/8" x 1/2" HARD SPAR
SPAR TIP SHAPE
5/8" x 1/8" HARD SPAR
W1
W2
W3
1/16" x 1/4" MED. L.E.
CAP LEADING EDGE WITH 1/8" HARD BALSA SAND TO SHAPE
F3 1/8" BALSA
F11
F12
F13
1MM PLY BACKED WITH 1/8" SHEET
1/4" x 3/8" HARDWOOD BEARERS
S1 - S3 FROM 1/16" SHEET ALL SPONSON STRINGERS 3/32" SQ.
1/8" HARD SHEET TIPS
F11 - F13 FROM 1/8" SHEET
COVER SPONSONS WITH 1/32" SHEET
3/8" x 1/16" TAPER TO 1/8" x 1/16"
3/32" SQ BALSA SPARS
DIHEDRAL STARTS HERE
3/8" x 1/16" HARD BALSA
1/32" SHEET BALSA
1/16" SHEET TIPS
1/16" x 1/4" HARD BALSA
T1
3/8" x 1/16" HARD BALSA
1/16" SHEET DIHEDRAL KEEPERS
1/8" x 1/8" HARD BALSA
BUTT JOIN
1/16" x 3/32" RIBS EACH SIDE
3/32" SHEET EACH SIDE
F5A 1/8" BALSA
F5 1/8" BALSA
1MM PLY
1 1/2 in
1/8" x 1/16" BAMBOO BUILD FIN ONTO 1/16" SHEET SOFT BALSA PROFILE. ALL OTHER PARTS CUT FROM MEDIUM 3/32" SHEET BALSA
1/2" STRIP CEMENTED ON
1/2" BALSA TIP
ALL WING RIBS 1/16" SHEET
W1
W2
W3

0 1 2 3 4 5 6

WP 423