A 38½" SPAN SPORT MODEL SUITABLE FOR RADIO CONTROL

POPSIE

DESIGNED BY V. E. SMEED

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THE AERODROME STANBRIDGE BEDS

6/-

DATA

WINGSPAN — 38½"
WING AREA — 230 SQ IN
TAILSPAN — 18"
TAIL AREA — 84 " "
LENGTH — 28"
WEIGHT -
BARE — 15¾ OZS
WITH RADIO — 23 OZS
POWER -
WITH RADIO - E.D. BEE
WITHOUT RADIO - MILLS .75 CC

MATERIALS REQUIRED

STRIP	SHEET
2 STRIPS OF 3/32" X 3/32" X 36" MED.	2 SHEETS OF 1/16" X 3" X 36" MED
8 " " 3/16" X 3/16" X 36" "	1 " " 3/32" X 3" X 36" "
1 " " 1/4" X 1/4" X 36" HARD	1 " " 1/8" X 3" X 36" "
4 " " 3/32" X 3/16" X 36" MED	1 " " 3/16" X 3" X 36" "
OR	MISC
8 " " 1/16" X 3/16" X 36" "	1 SQ FT OF 1/16" PLY
1 " " 1/4" X 1/8" X 36" "	6" X 3" " 1/32" "
1 " " 3/16" X 1/8" X 36" "	6" X 5" " 1/32" "
1 " " 1/2" X 1/8" X 36" "	9" OF 3/8" X 3/8" HARDWOOD
1 " " 1/16" X 3/4" X 36" "	36" OF 12 SWG WIRE
	5" X 3" X 1/2" SOFT BLOCK

ALL WOODS ARE BALSA UNLESS OTHERWISE STATED

NOTE DO NOT USE AN AIRSCREW OF UNDER 7½" DIA.

SCRAP FAIRING

3/16" SQ-HARD
1/8" SHEET
3/16" DOWELL

3/16" PLANKING
3/8" SQ BEARERS (BEECH)
F5
3/16" SQ
F6
F7
3/16" GUSSET
C.G.
F8
3/16" SHT SIDE PANELS
F1
F2
F3
F4
1/8" SHEET FILL-IN
BIND WITH SILK
2½" DIAM AIRWHEELS
LINEN HINGE
1/8" SHEET
CABIN FLOOR, 1/8" SHEET
3/32" SHEET
3/16" SHEET DOORS HINGED AT FRONT FOR SPORT USE. BUILD IN DOTTED 3/16 SQ & OMIT DOORS
OR 3 STRIPS OF 3/16" X 3/32" - 3/16" X 1/16"
HALF TOP COWLING HINGED
COMPRESSION ACCESS.
EXHAUST.
U1
U2
U3
U4
3/32" SHEET
1/32" PLY CABIN TOP LEFT HALF CUT AWAY ON DRAWING TO SHOW DETAILS -
3/32" SQ STRINGERS
MILLS .75 SHOWN
3° RIGHT THRUST
MODEL IS SUITABLE FOR LIGHT-WEIGHT RADIO (UNDER 7½ OZS) CONTROL MOUNT BATTERIES AGAINST F3 TO OFFSET ESCAPEMENT WEIGHT & SUSPEND RECEIVER OVER C.G. WING SPARS MAY BE WEBBED FOR ADDITIONAL STRENGTH
ADDITIONAL 3/8" SQ CEMENTED INSIDE TOP LONGERON BEFORE ASSEMBLY.
1/32" PLY
3/16" SHEET
3/16" DOWELL
FORMERS & STRINGERS OMITTED ON LOWER HALF OF DRAWING TO SHOW CONSTRUCTION

SOFT IRON WIRE
3/16" SHEET
3/16" SQ
LINEN HINGES
3/16" GUSSET
3/16" SHT
HOLE FOR BAND
3/16" SHT
BUSH
1/8" SHEET 2 OFF
ESCAPEMENT IF REQUIRED
¾" ALUM WHEEL
FLY KEY

CAMBER TO THIS LINE
RECESS FOR BEARERS
CUT OUT
DUMMY
F2
F3
F4

UNDERCART. TRUE LENGTHS OF 12 SWG WIRE ALTERNATIVELY, BIND 12 SWG - BRASS TUBE TO FORMERS & PLUG LEGS IN
RADIO HOOKS ON F3 & F4 16 SWG
REAR LEG
FRONT LEG
SIDE VIEW OF REAR LEG.

F5
F6
F7
F8

-FORMERS-
NO F1 FROM ½" BALSA
NO F2 FROM 3/32" PLY
NOS. F3 F4 & F8 FROM 1/16" PLY
NOS F5 F6 & F7 FROM 3/32" BALSA

IF NO RADIO IS USED, F3 & F4 MAY BE OF 1/8" SHEET.

16 SWG TAIL-WHEEL AXLE BIND & SOLDER TO F8

-WING RIBS-
W1. 4 OFF 1/8" SHEET
W2 12 " 1/16" "
W3. 2 " 1/16" "

-TAIL RIBS-
T1 2 OFF 1/16" SHEET
T2 4 " 1/16" "
T3 2 " 1/16" "

1/16" PLY DIHEDRAL BRACE
2 LAMS 3/16" SHT

LE 3/16" X 3/16"
3/16" X 1/8" SPARS
1/2" SHEET TIPS
1/2" X 1/8" TE
1/16" SHEET TOP ONLY

LE 1/4" X 1/4" HARD
1/4" X 1/4" HARD
1/16" PLY BRACE
3/16" X 3/16" SPARS
1/8" SHEET TIPS
1/4" X 3/4" TE
1/16" SHEET TOP & BOTTOM
1/4" X 1/8" SPAR
DIHEDRAL 3½"