

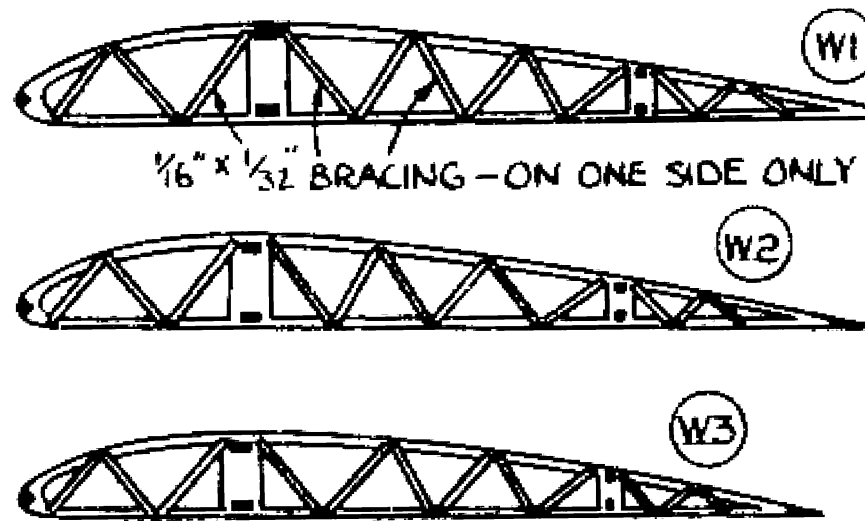
THE B.A. SWALLOW

30" WING SPAN FLYING SCALE MODEL 2/6

DESIGNED BY J. L. ROBERTS

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ALLEN HOUSE, NEWARKE STREET, LEICESTER

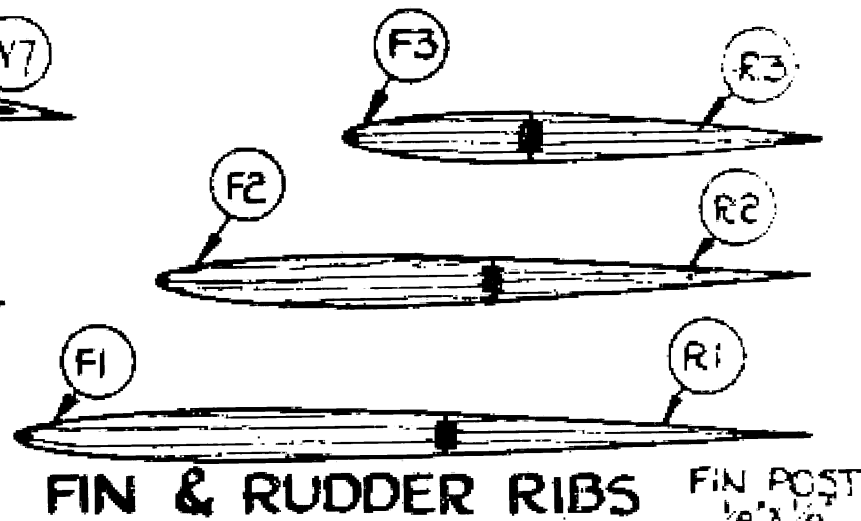
COVERING. ENGINE COWLING TO FRAME 4 & COWLING FORMER—
3/32" SOFT SHEET BALSAs. FRAMES 6 TO 9 (TOP DECKING ONLY)—
STIFF CARTRIDGE PAPER REMAINDER—TISSUE



MAINPLANE RIBS

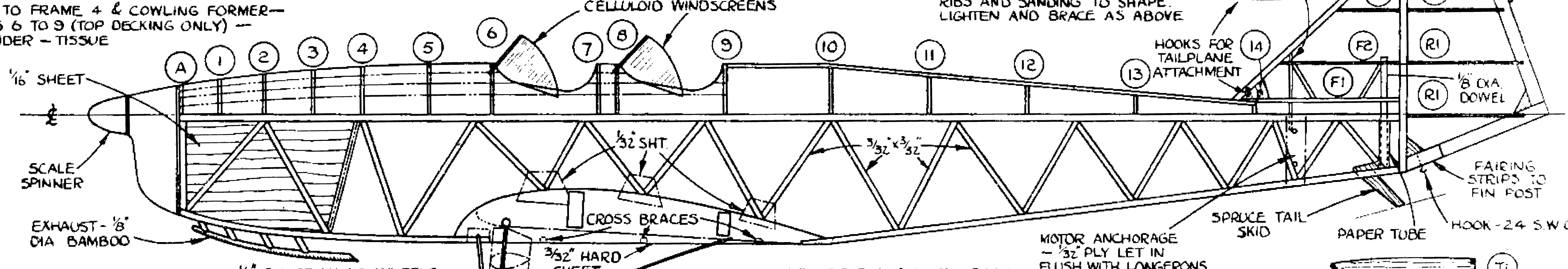
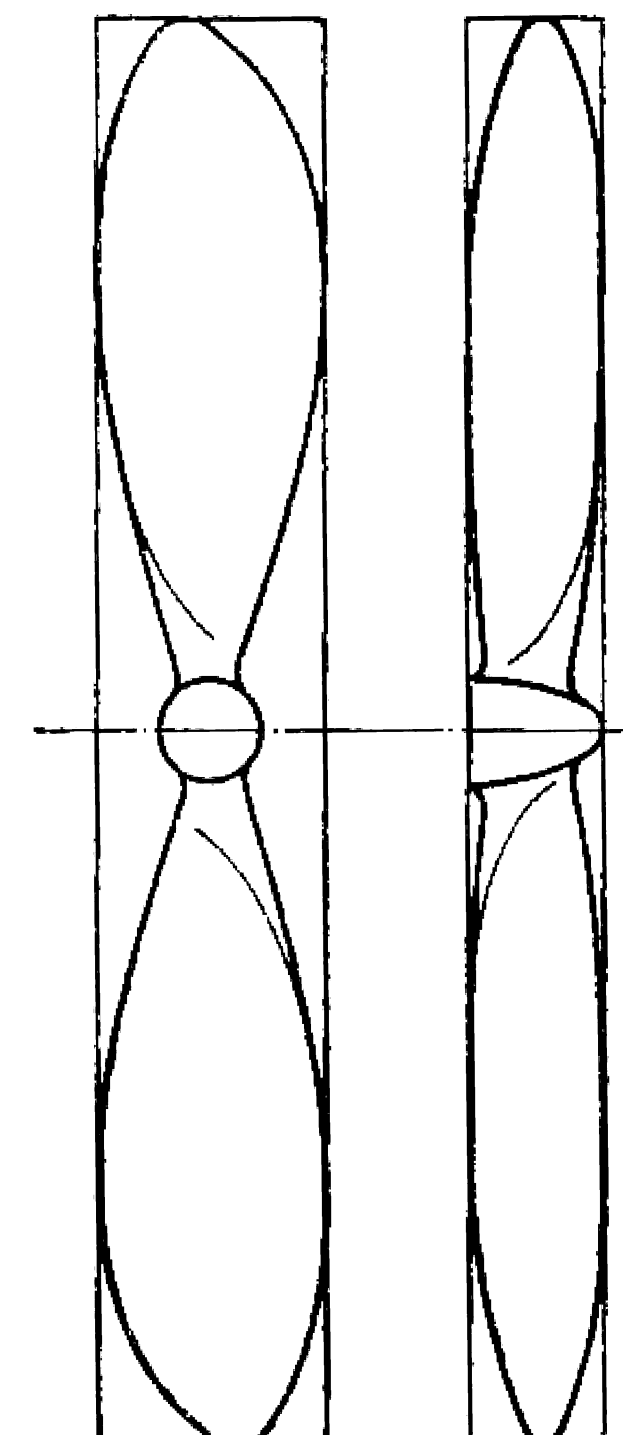
RIB W1 MADE FROM 1/16" SHEET AND FACED WITH 1/32" 3 PLY
W2—W9 1/32" SHEET

THE RIBLETS ARE MADE BY SANDWICHING TWO PIECES OF 1/32" SHEET BETWEEN ADJACENT RIBS AND SANDING TO SHAPE. LIGHTEN AND BRACE AS ABOVE



FIN & RUDDER RIBS

FIN POST 1/8" x 1/8"



DATA	
WEIGHTS	
FUSELAGE, CENTRE SECTION & 1/4"	1.25 oz.
NOSE BLOCK, GEARBOX & AIRSCREW	.75 oz.
WING PANELS	.5 oz.
TAIL PLANE & FIN	.125 oz.
RUBBER MOTORS	.5 oz.
TOTAL:	3.125 oz.
WING LOADING	
4.35 OUNCES/SQ. FOOT	
GEARBOX	
2 GEARS—1/2" DIA. MESHING, DRIVING 1 3/8" GEAR ON AIRSCREW SHAFT MOUNTED ON BRASS PLATES FRONT AND REAR. BALL THRUST RACES RATIO OF STEP UP = 17-17-13=1.31 ON AIRSCREW	

1. SECURE BRASS FRONT PLATE TO NOSE BLOCK WITH 4 BRASS SCREWS
2. INSERT GEARS & CUP WASHERS FRONT & REAR. USE THICK GREASE
3. SECURE BRASS BACK PLATE TO 3-PLY COVER PLATE WITH 4 1/16" ALUM RIVETS
4. SECURE COVER PLATE TO NOSE BLOCK WITH BRASS SCREWS & CEMENT
5. BEND HOOKS & ASSEMBLE AIRSCREW WITH ANY SMALL FREE WHEEL DEVICE

NOTE IN PLAN & ELEVATION OF THE FUSELAGE, ALL STRINGERS IN FRONT OF FRAME 9, ARE SHOWN BY A SINGLE LINE FOR CLEARNESS. THEY ARE 1/16" x 1/16"

FLYING AIRSCREW BLOCK
HARD BALSAs BLOCK—7 1/2" x 1 1/4" x 3/4"
COVER WITH TISSUE AND GIVE FOUR COATS OF DOPE.

