

Guillow's

**AUTHENTIC SCALE
FLYING AIRCRAFT**

COLOR SCHEME

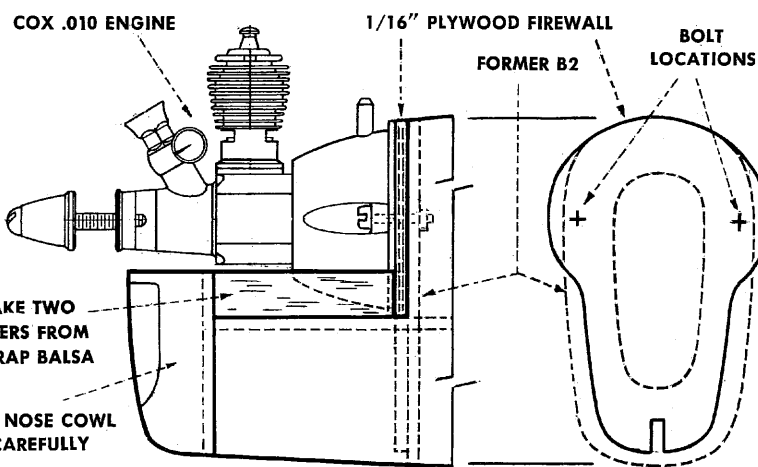
ENTIRE MODEL SILVER WITH BLACK LETTERING, BLACK TIRES AND RED, WHITE AND BLUE BRITISH INSIGNIA ON RUDDER. PROPELLER - NATURAL WOOD COLOR. EXHAUST STACK AND WINDOW FRAMES - METALLIC TONE. THIS OVERALL COLOR SCHEME SHOWN ON BOX TOP.

**HEART'S CONTENT
SPECIFICATIONS**

LENGTH 25 FT.
ENGINE 120 H.P. GIPSY 3
MAX. SPEED 130 M.P.H.
GROSS WT. 2,754 LBS.

BRIEF HISTORY

A PRODUCT OF THE EARLY '30'S, THE D.H. 80 CONTRIBUTED NOTABLY TO THE PROGRESS OF CIVIL FLYING OF THAT ERA. CAPT. J. A. MOLLISON IN A MODEL NAMED "THE HEART'S CONTENT" BECAME THE FIRST PILOT TO FLY SOLO ACROSS THE ATLANTIC OCEAN FROM EAST TO WEST. THIS OUTSTANDING FLIGHT TOOK PLACE IN AUGUST 1932. ANOTHER NOTEABLE PIONEER FLIGHT INCLUDED THAT FROM NEW YORK TO LONDON VIA THE SOUTH ATLANTIC, A DISTANCE OF 10,000 MILES, IN THE AUTUMN OF 1931.



MAKE TWO
FILLERS FROM
SCRAP Balsa
CUT NOSE COWL
CAREFULLY

NOTE
FOR SCALE TYPE FLYING,
INSTALL A COX PEE WEE
.020 ENGINE AND 5" DIA.
x 3" PITCH PROPELLER

A 1/4A GAS ENGINE CAN BE INSTALLED IN THIS MODEL FOR GAS
POWERED FREE FLYING. FOLLOW THE INSTALLATION AND FLIGHT
INSTRUCTIONS CAREFULLY.

INSTALLING 1/4A GAS ENGINE

1. Sand the firewall smooth and then drill through the bolt locations with a 3/32" drill.
2. Mount motor to firewall with 1/2" long No. 2 bolts and nuts, (available at your hobby dealer).
3. Thoroughly cement nuts at rear of firewall. When dry, remove motor and cement firewall to former "B2". NOTE: Remove balsa on former "B2" in area where bolts and nuts touch so firewall can be cemented flat to former.
4. Bolt motor to firewall using a washer between motor and firewall on the top left bolt to give the motor a little right thrust.

GAS ENGINE FLIGHT INSTRUCTIONS

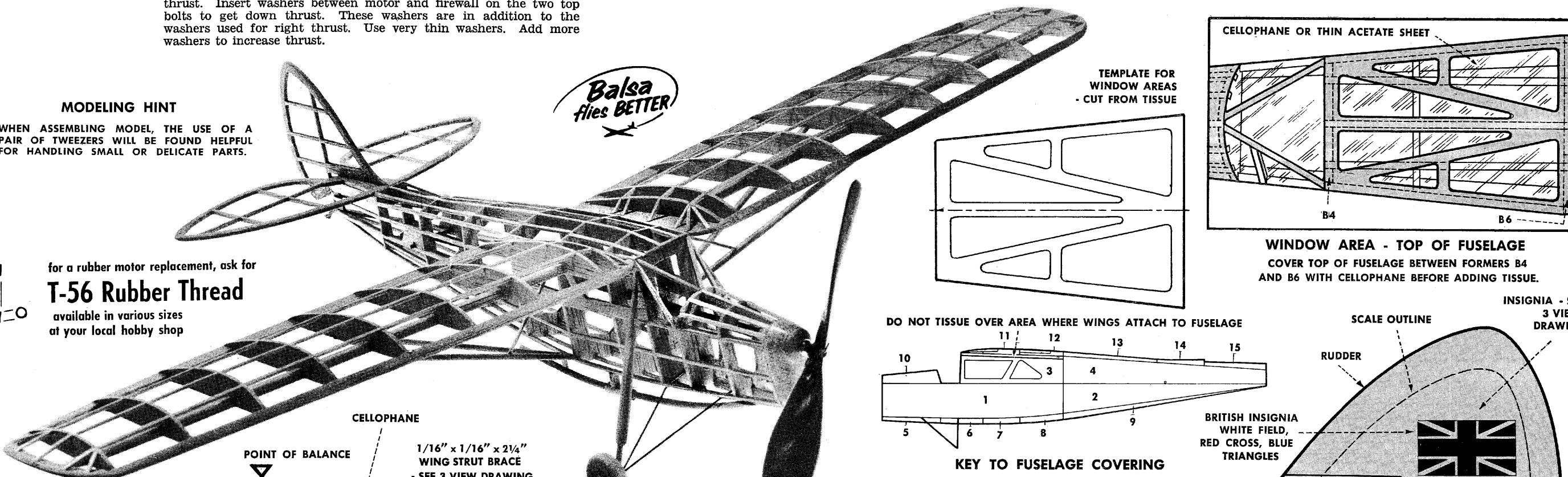
1. Balance model exactly as shown on plans by adding clay weight to nose or to tail of model.
2. Test glide model for straight forward glide—adjust with up or down elevator.
3. Adjust rudder for about a 200 foot left circle.
4. Important! Put the 4 1/2" D. x 2 1/4" P. Thimble-Drome Plastic propeller on backwards—the flat of the blade is then forward. Use the propeller mounted backwards for all flying as too much thrust is generated if the propeller is mounted in normal position.
5. Initial flights should be made with very short motor runs and preferably in a large grassy area.
6. If extreme banking is encountered under power to the right, wash the trailing edge of the right wing down to reduce banking and increase climb.
7. Extreme climbing or looping can be corrected by applying down thrust. Insert washers between motor and firewall on the two top bolts to get down thrust. These washers are in addition to the washers used for right thrust. Use very thin washers. Add more washers to increase thrust.

MODELING HINT

WHEN ASSEMBLING MODEL, THE USE OF A
PAIR OF TWEEZERS WILL BE FOUND HELPFUL
FOR HANDLING SMALL OR DELICATE PARTS.

T-56 Rubber Thread

available in various sizes
at your local hobby shop



CUTTING OUT PLASTIC NOSE COWL

USE POINT OF A MODEL KNIFE OR SINGLE EDGE RAZOR BLADE TO FREE PLASTIC COWL FROM EXCESS MATERIAL. SCORE LIGHTLY AROUND EDGE, THEN SCORE AGAIN. BREAK AWAY EXCESS MATERIAL BY FLEXING BACK AND FORTH. DO NOT ATTEMPT TO CUT PLASTIC ALL THE WAY THROUGH ON FIRST SCORE. SANDPAPER EDGE OF COWL SMOOTH

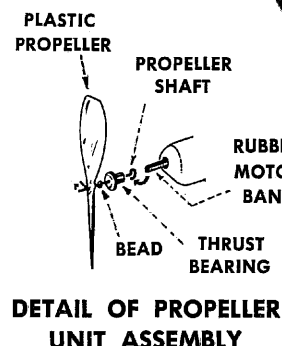
COPYRIGHT 1965 BY PAUL K. GULLOW, INC.
PRINTED IN THE U.S.A.

TYING RUBBER THREAD

THE ENDS OF RUBBER THREAD INCLUDED IN
THIS KIT MUST BE TIED TOGETHER AS SHOWN.
INSTALL RUBBER MOTOR IN FUSELAGE WITH
KNOT END AT REAR MOTOR MOUNT.

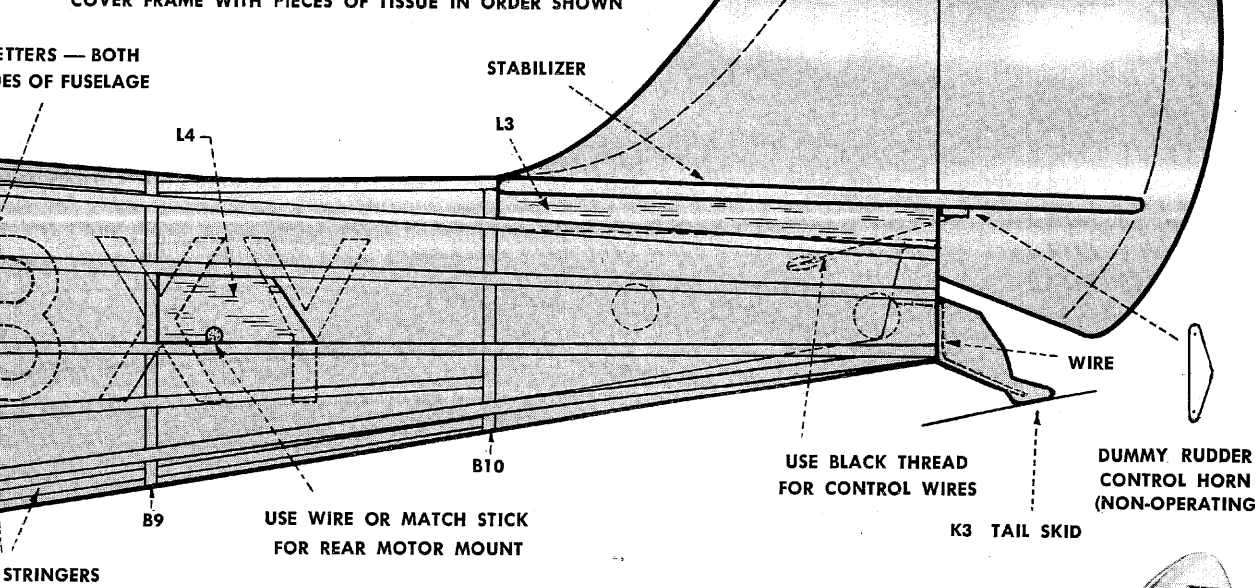
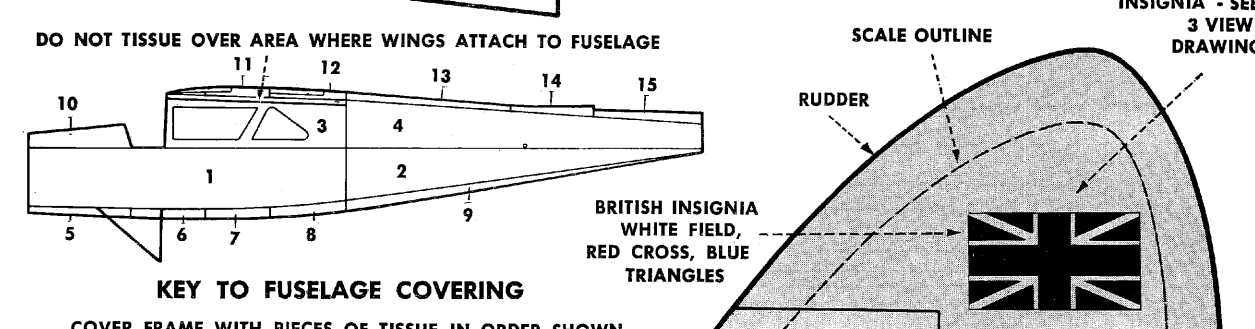
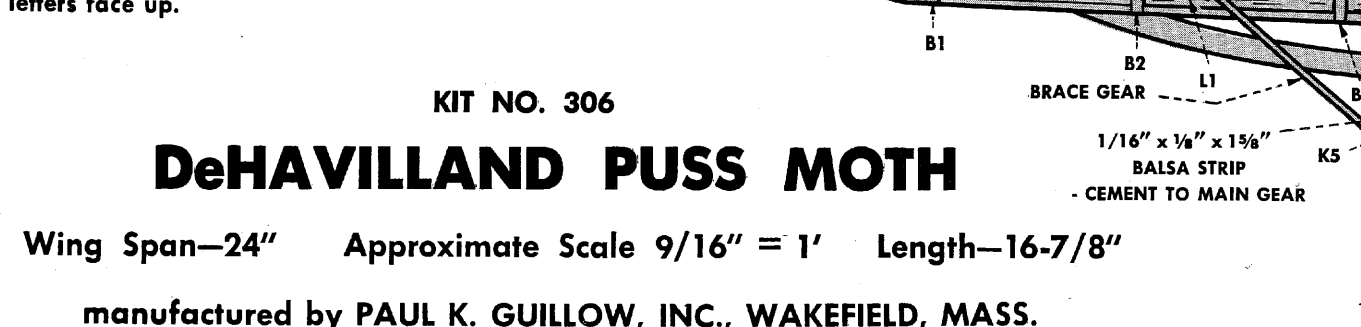
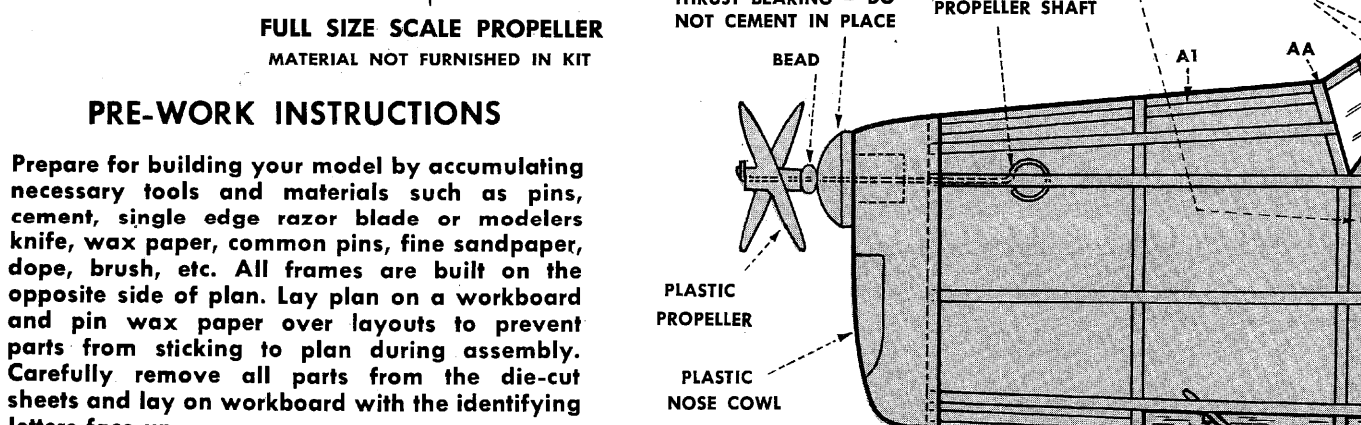
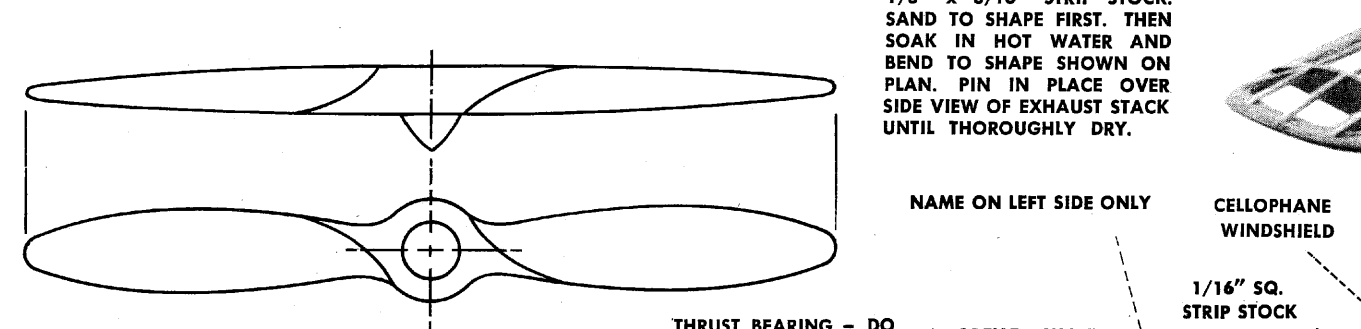
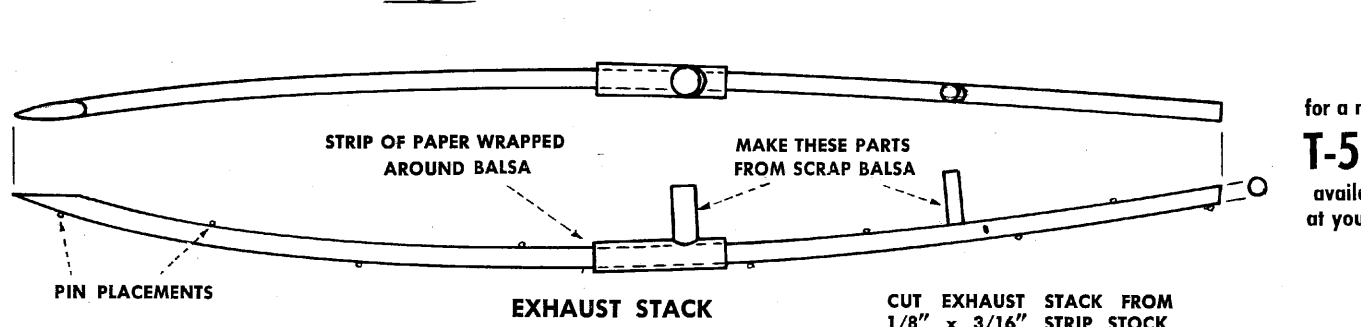
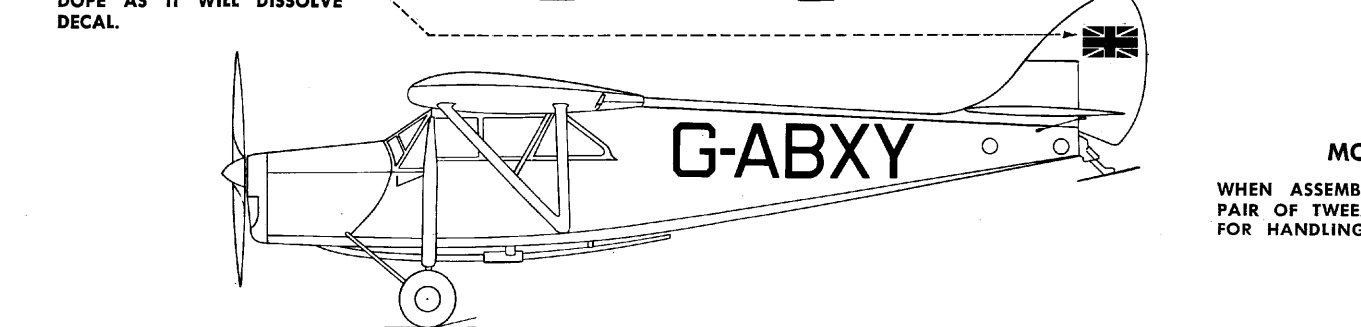
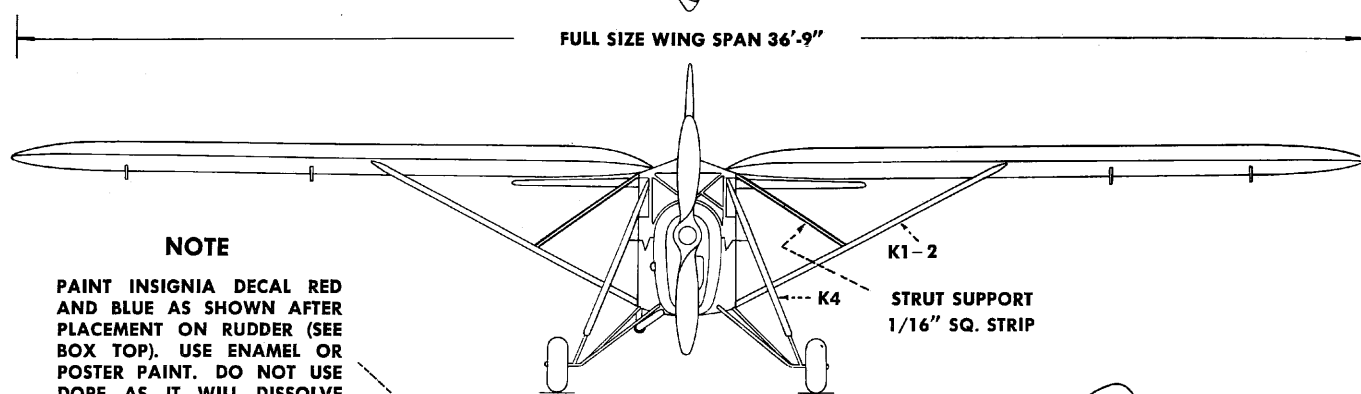
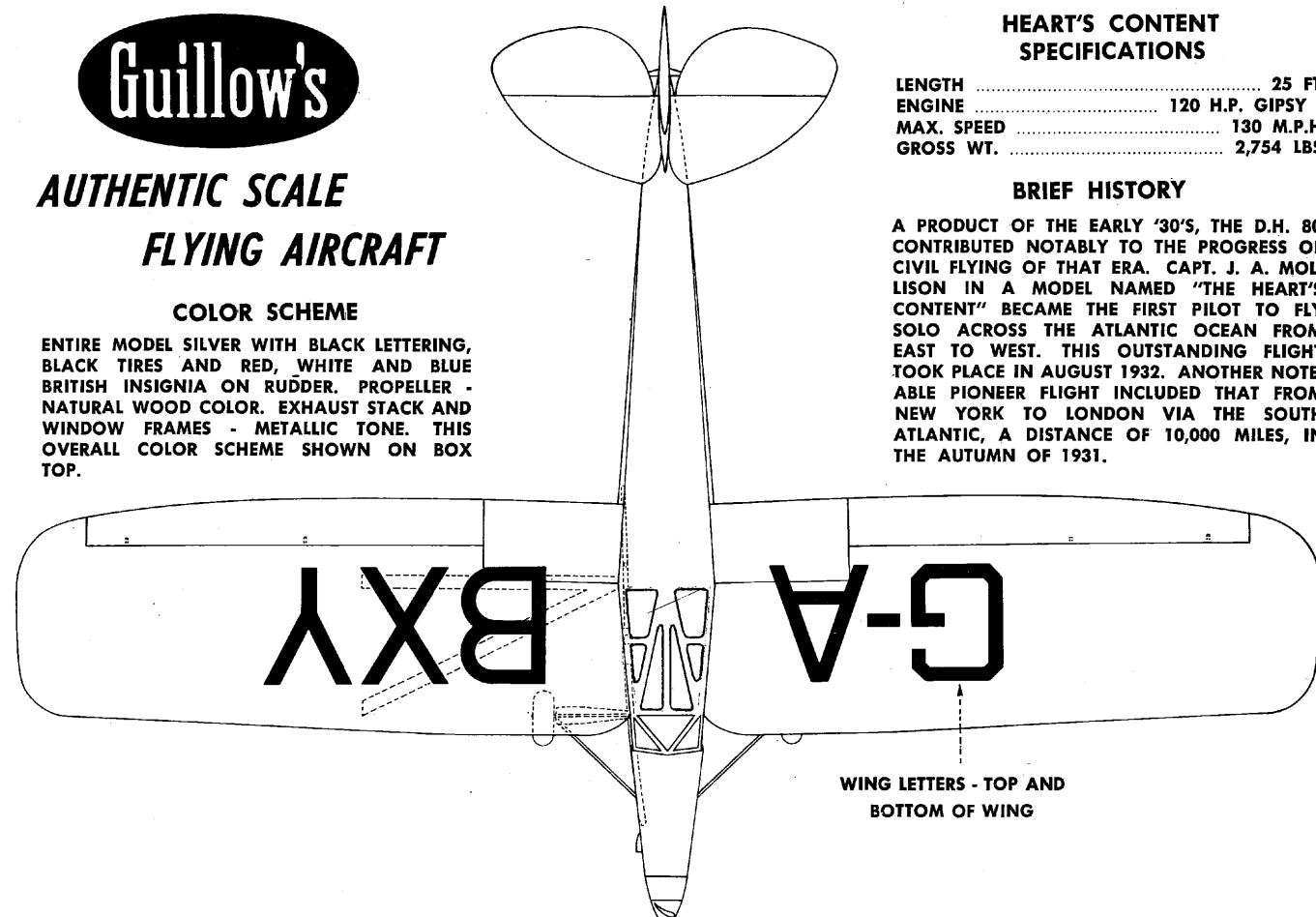
NOTE

A SIMPLE METHOD OF REINFORCING THE WING AND FUSELAGE ATTACHMENT IS SHOWN ON INSTRUCTION SHEET, THOUGH NOT ABSOLUTELY REQUIRED, THE ADDITION OF THIS REINFORCEMENT IS MOST DESIRABLE FOR A FLYING MODEL. (NOT REQUIRED FOR A NON-FLYING SCALE MODEL.)



**DETAIL OF PROPELLER
UNIT ASSEMBLY**

**NOTE: ALL FRAMES ARE COVERED
WITH TISSUE BEFORE ASSEMBLY**



**IMPORTANT NOTE ON PAINTS
AND ADHESIVES**

DO NOT USE REGULAR CLEAR DOPE OVER DECALS BECAUSE IT WILL DAMAGE THEM. USE 410 M CLEAR PLASTIC PAINT WHICH WILL ALSO FUEL-PROOF — AVAILABLE AT YOUR DEALERS. WE ALSO RECOMMEND THE USE OF AMBROID PLASTIC CEMENT FOR BONDING PLASTIC TO PLASTIC AND PLASTIC TO WOOD. USE AMBROID MODEL CEMENT FOR BONDING WOOD PARTS TOGETHER.

SIDE VIEW

MODELING HINT

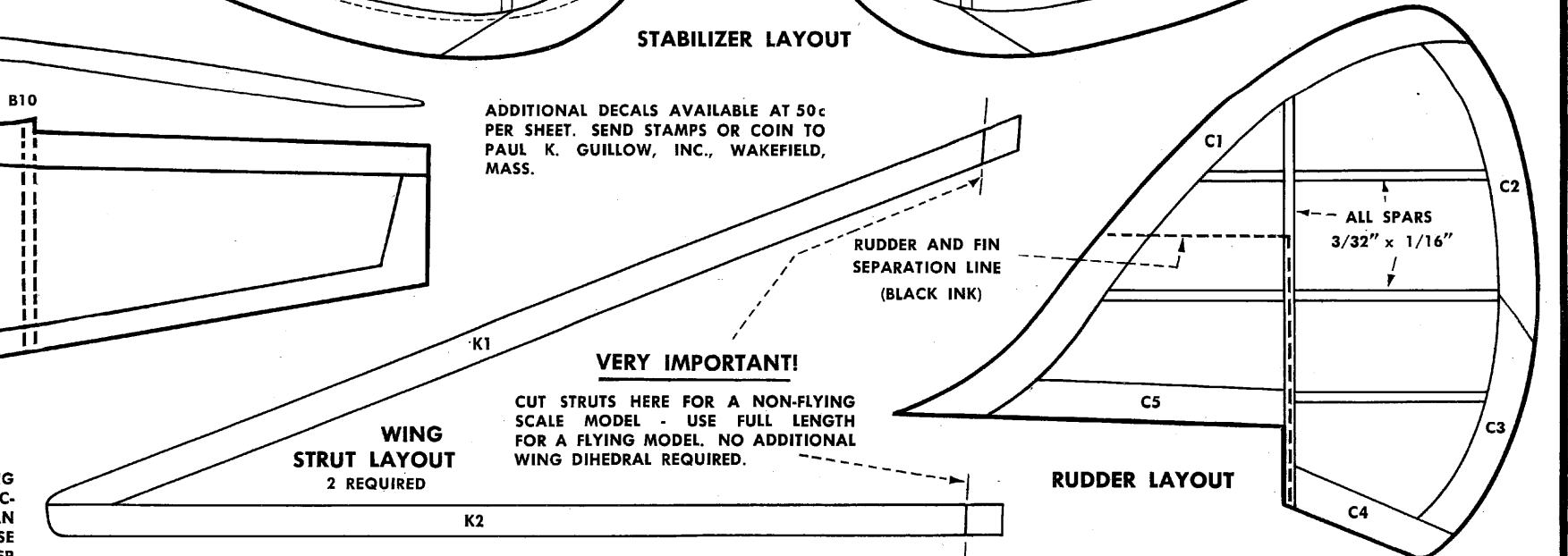
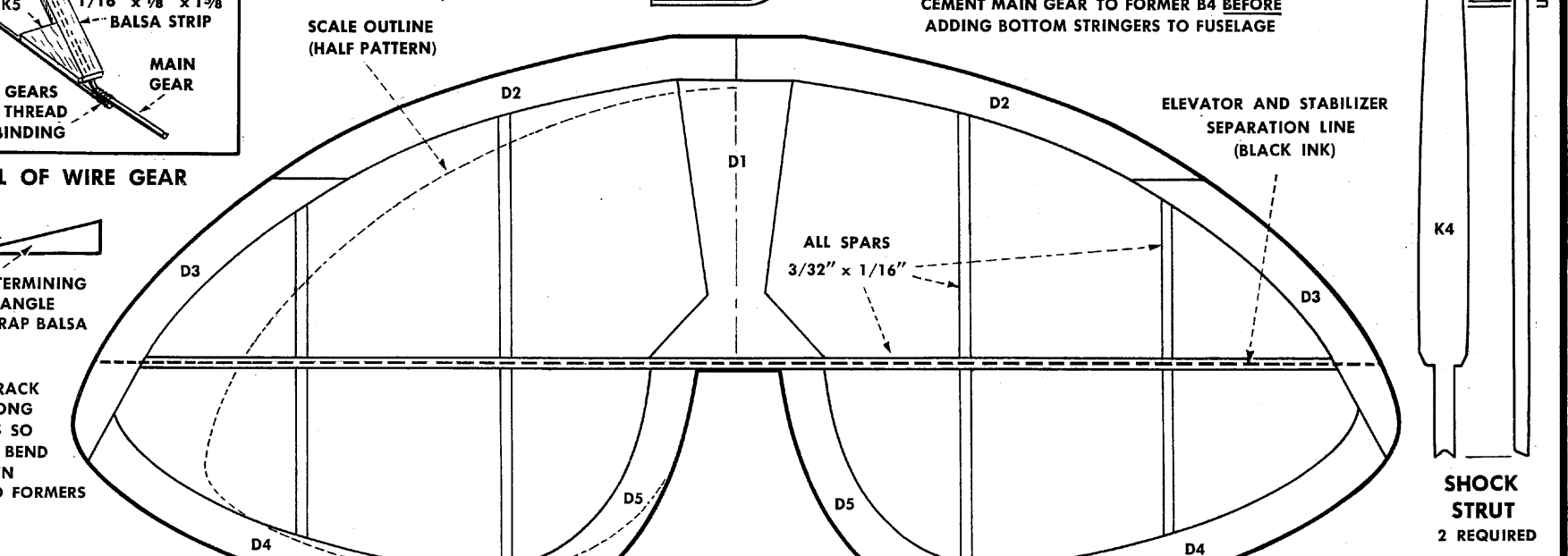
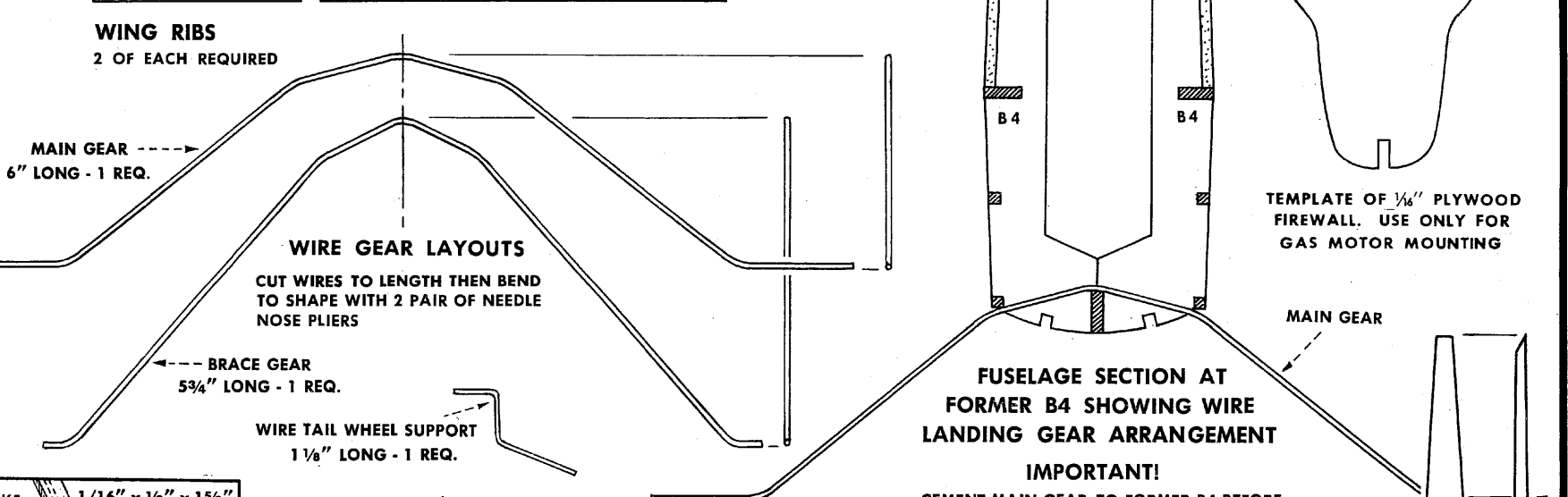
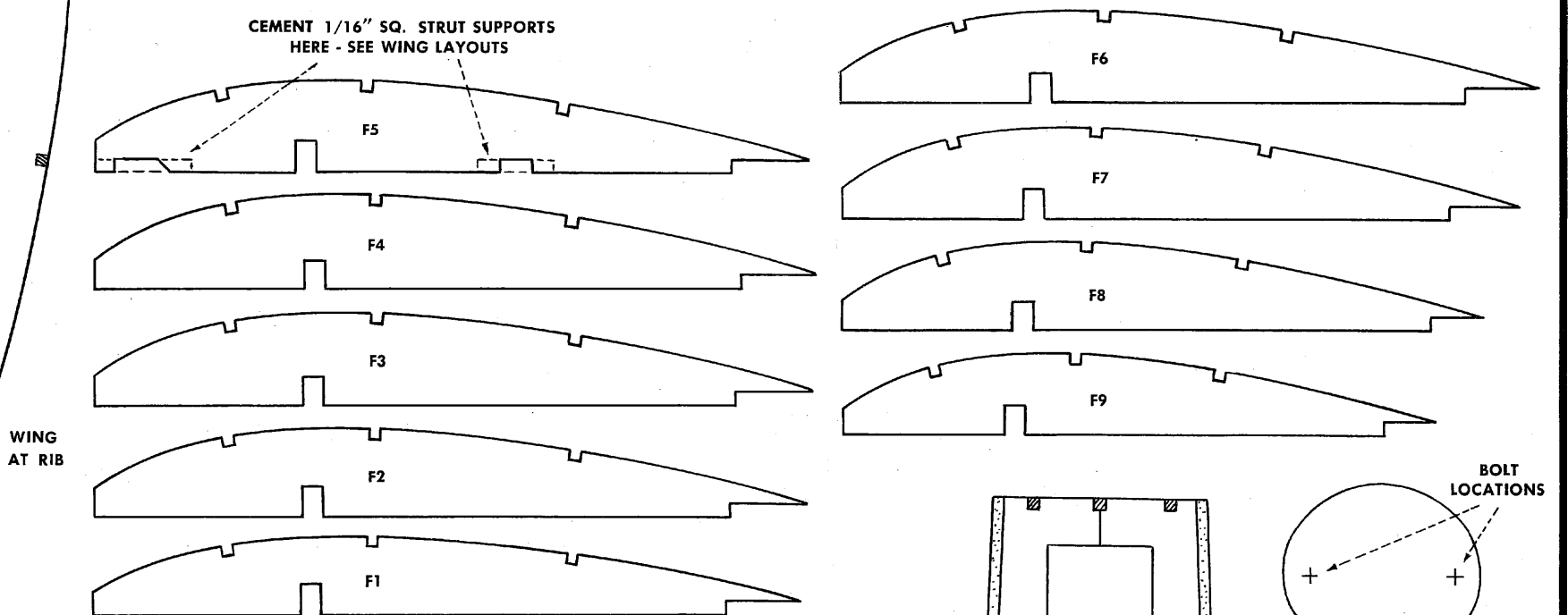
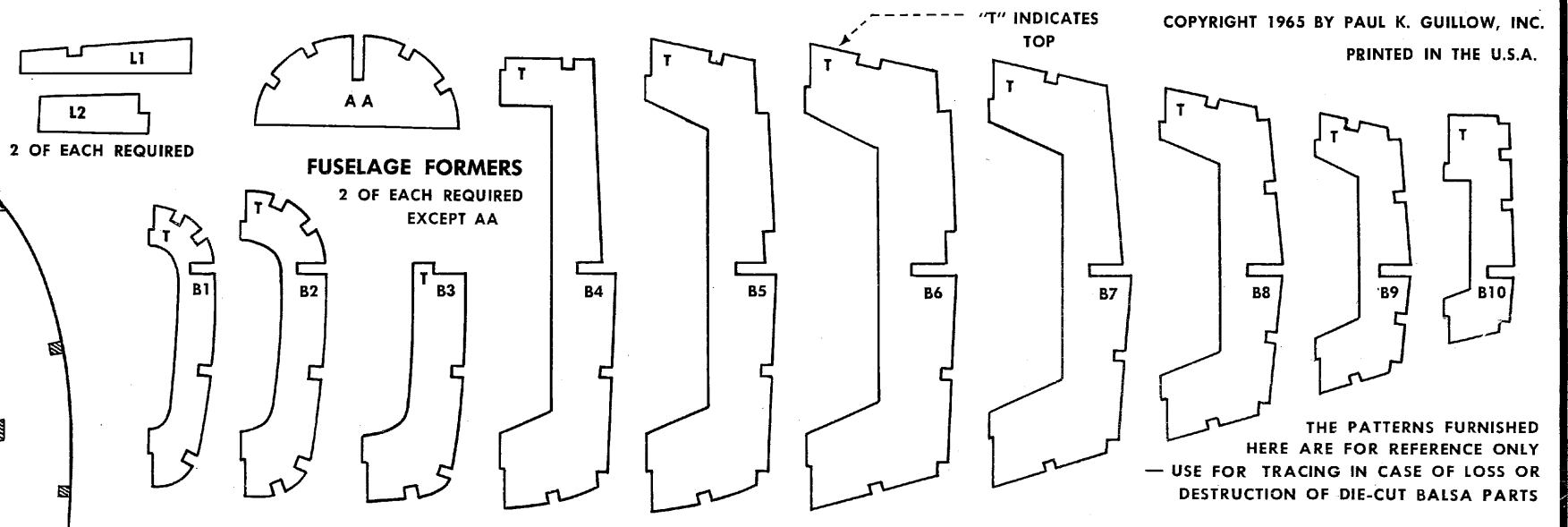
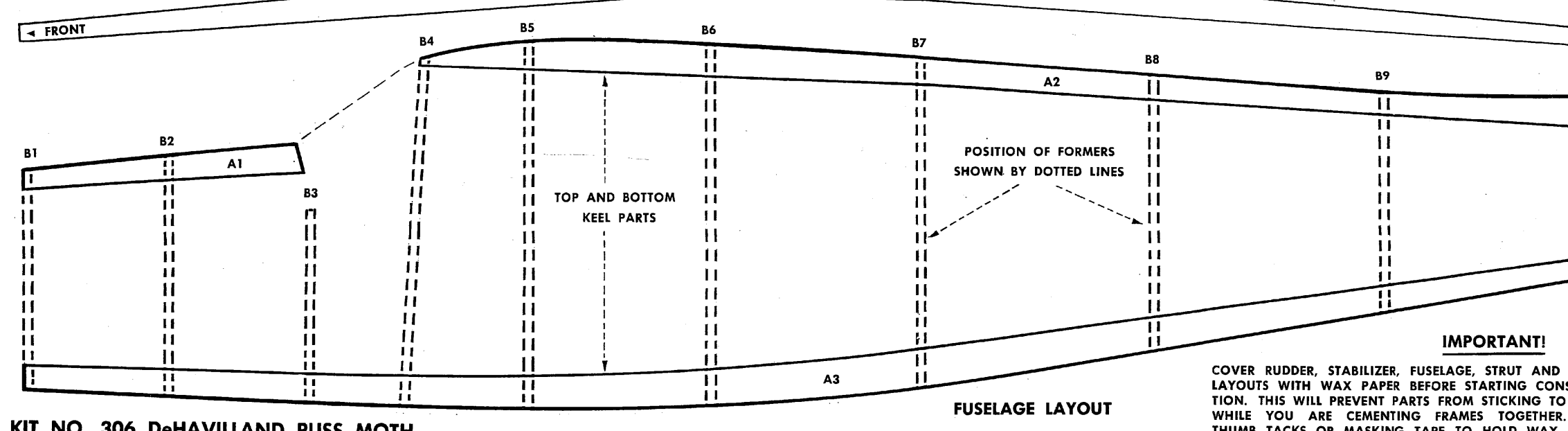
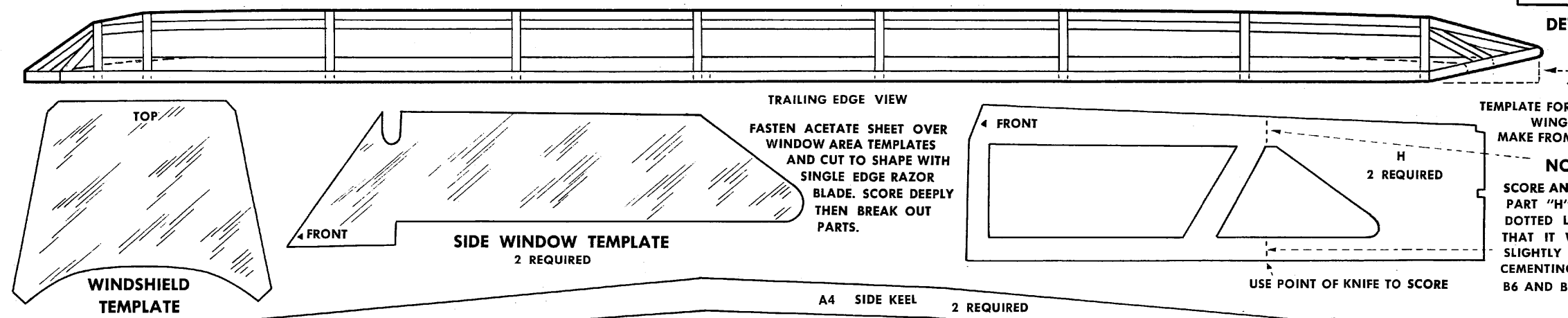
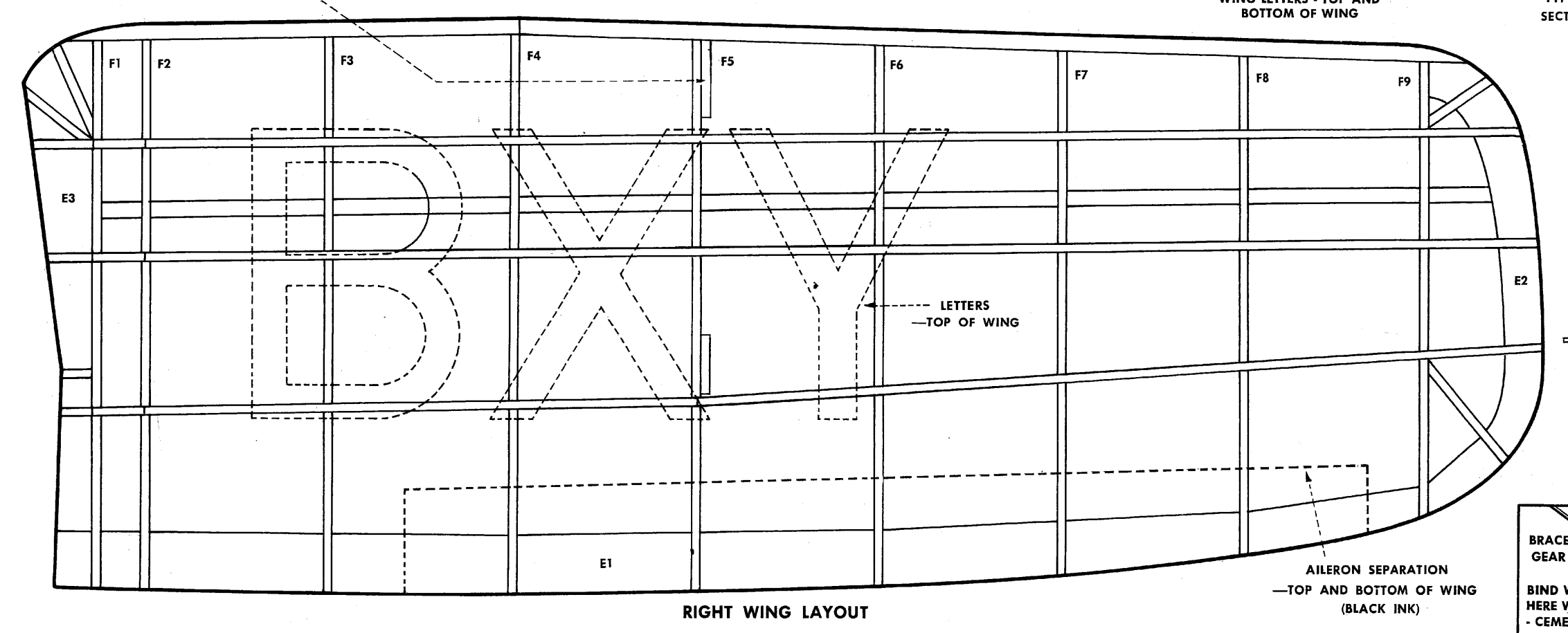
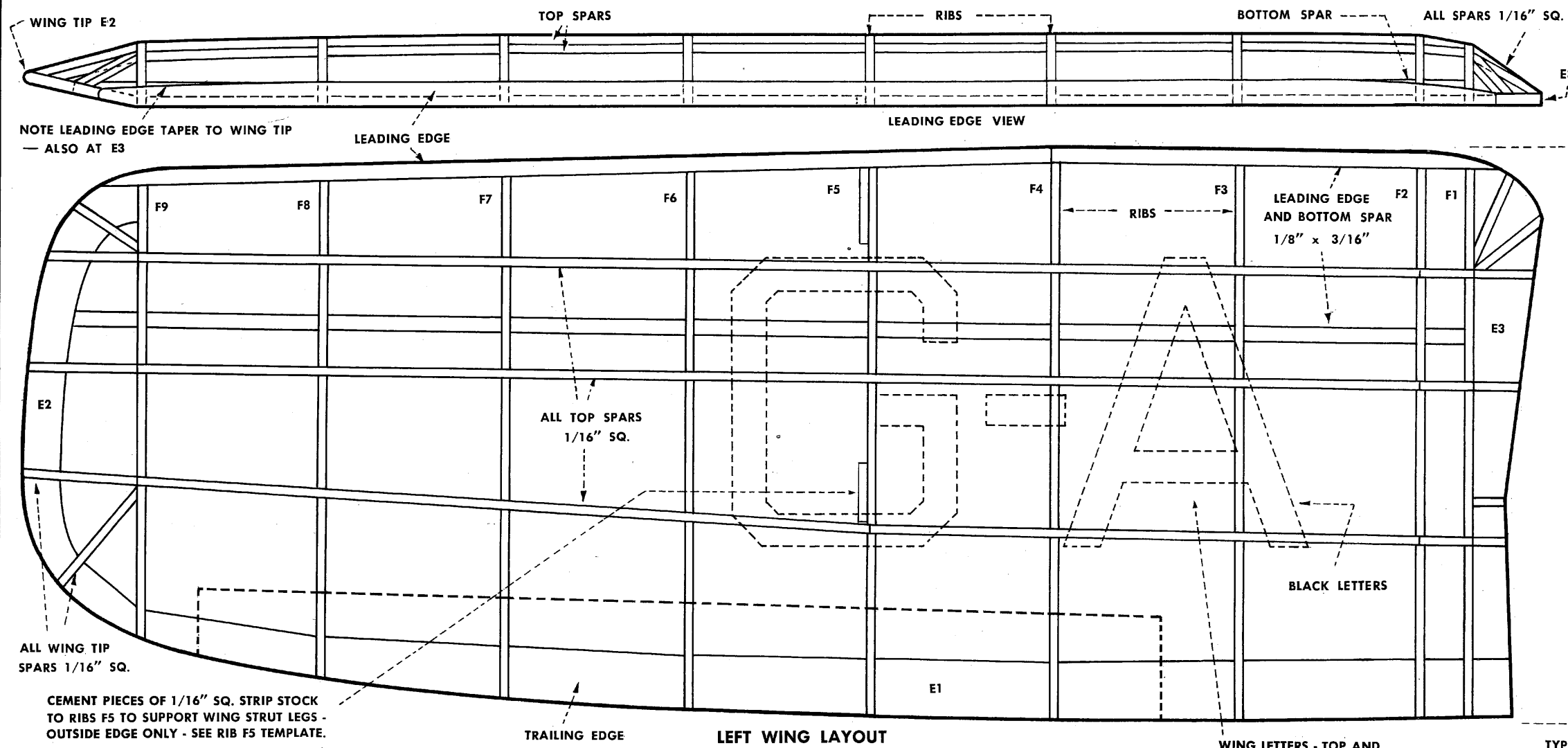
FOR A SUPER LIGHT FLYING MODEL, DO NOT USE COLORED DOPE. APPLY ONE COAT OF CLEAR DOPE OVER TISSUE, THEN ADD DECALS.

KIT NO. 306

DeHAVILLAND PUSS MOTH

Wing Span—24" Approximate Scale 9/16" = 1' Length—16-7/8"

manufactured by PAUL K. GULLOW, INC., WAKEFIELD, MASS.



IMPORTANT!
COVER RUDDER, STABILIZER, FUSELAGE, STRUT AND WING LAYOUTS WITH WAX PAPER BEFORE STARTING CONSTRUCTION. THIS WILL PREVENT PARTS FROM STICKING TO PLAN WHILE YOU ARE CEMENTING FRAMES TOGETHER. USE THUMB TACKS OR MASKING TAPE TO HOLD WAX PAPER

THE PATTERNS FURNISHED HERE ARE FOR REFERENCE ONLY - USE FOR TRACING IN CASE OF LOSS OR DESTRUCTION OF DIE-CUT BALSA PARTS

IMPORTANT!
CEMENT MAIN GEAR TO FORMER B4 BEFORE ADDING BOTTOM STRINGERS TO FUSELAGE

NOTE
SCORE AND CRACK PART "H" ALONG DOTTED LINES SO THAT IT WILL BEND SLIGHTLY WHEN CEMENTING TO FORMERS B6 AND B7.

ADDITIONAL DECALS AVAILABLE AT 50¢ PER SHEET. SEND STAMPS OR COIN TO PAUL K. GUILLOW, INC., WAKEFIELD, MASS.

VERY IMPORTANT!
CUT STRUTS HERE FOR A NON-FLYING SCALE MODEL - USE FULL LENGTH FOR A FLYING MODEL. NO ADDITIONAL WING DIHEDRAL REQUIRED.