

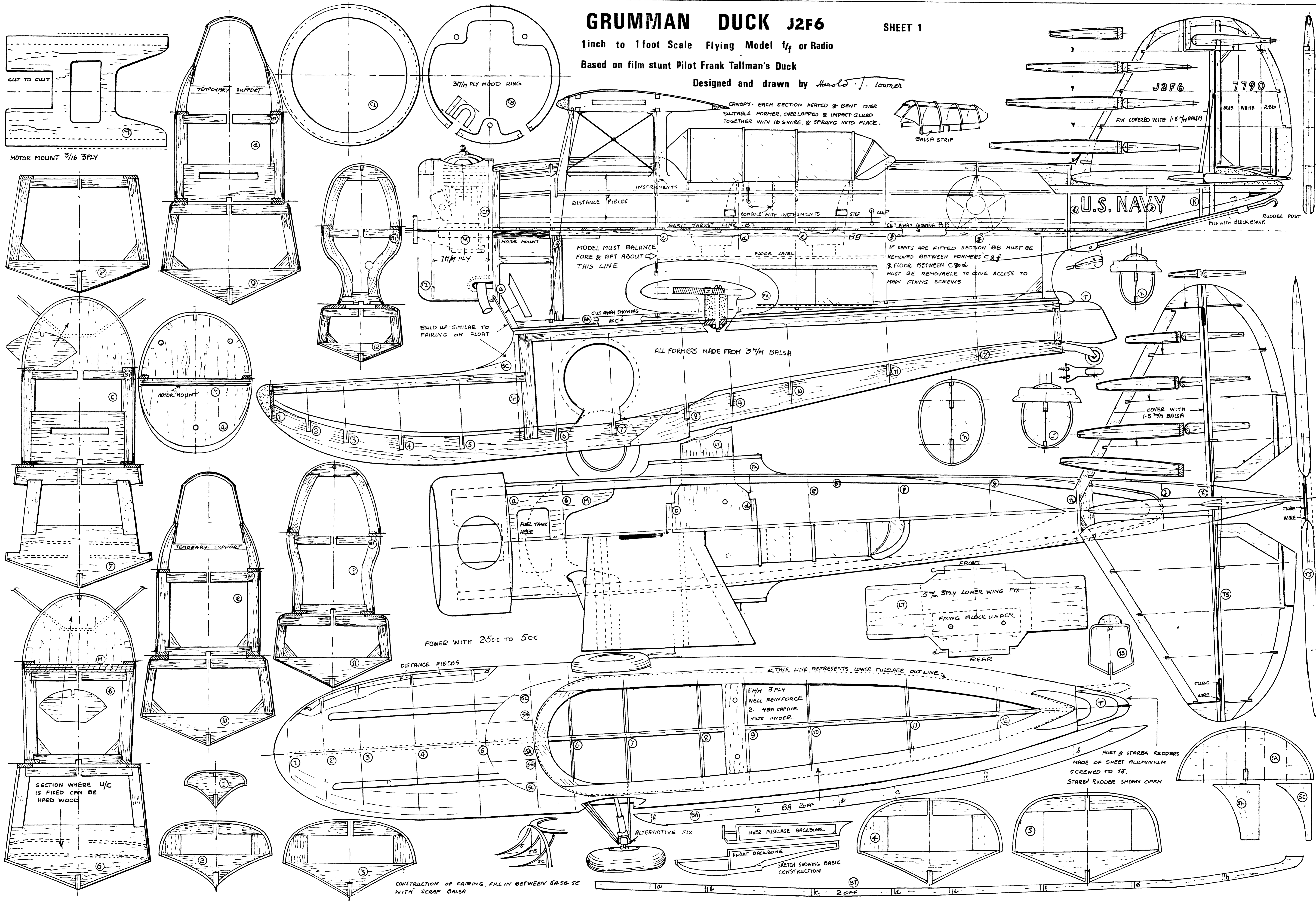
GRUMMAN DUCK J2F6

SHEET 1

1inch to 1foot Scale Flying Model $\frac{1}{4}$ or Radio

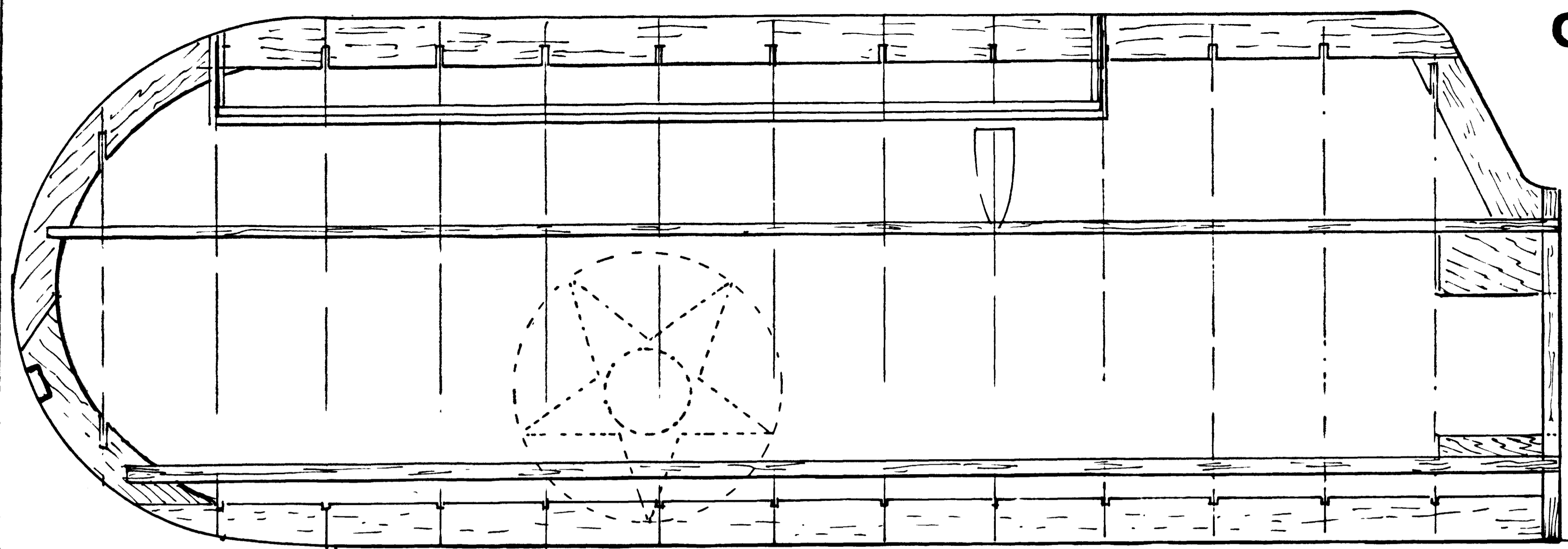
Based on film stunt Pilot Frank Tallman's Duck

Designed and drawn by Harold J. Lowner

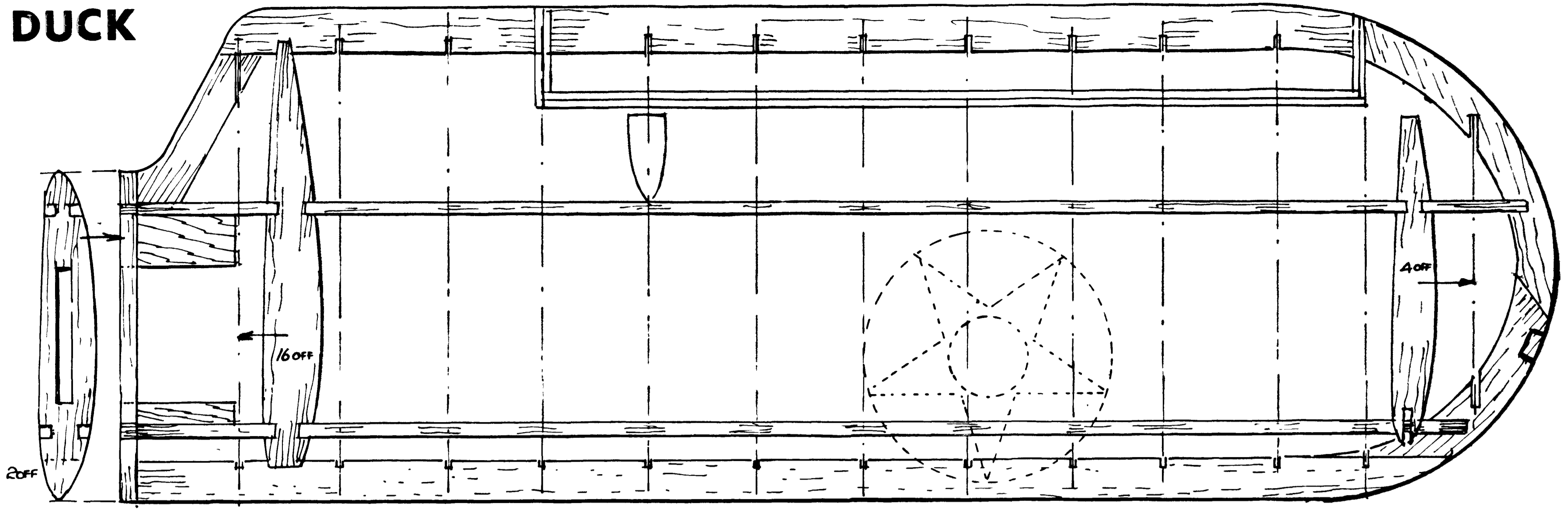


GRUMMAN DUCK

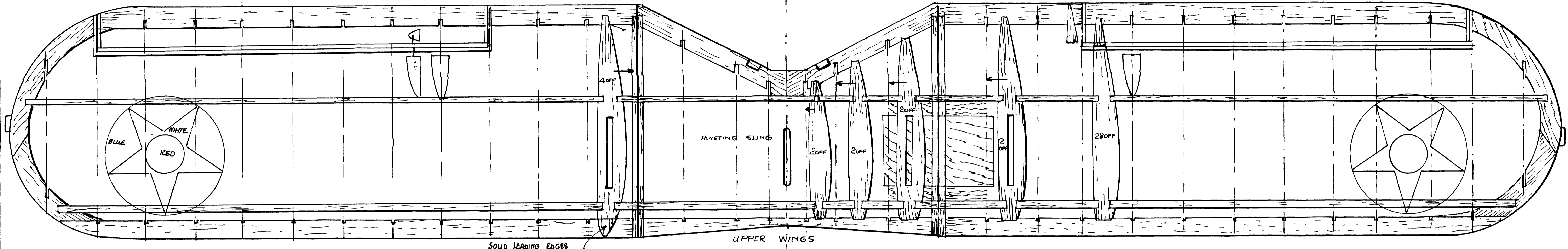
SHEET 2



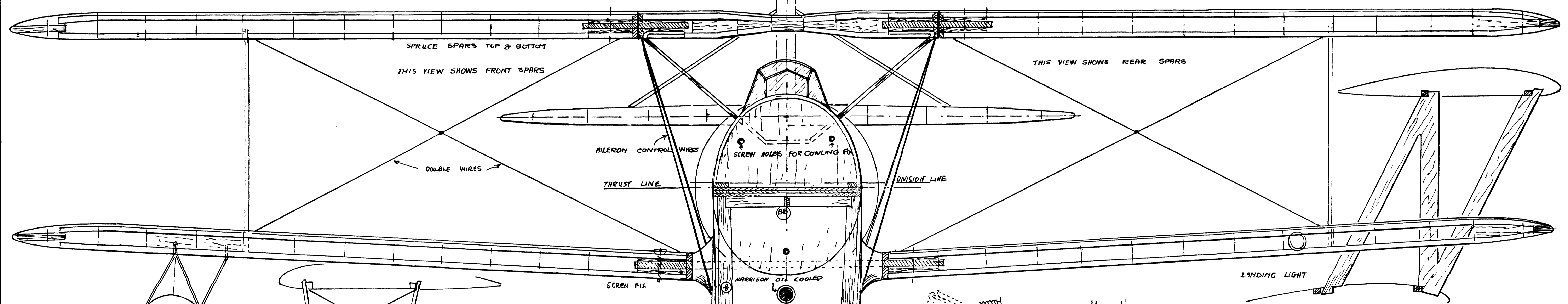
LOWER WINGS



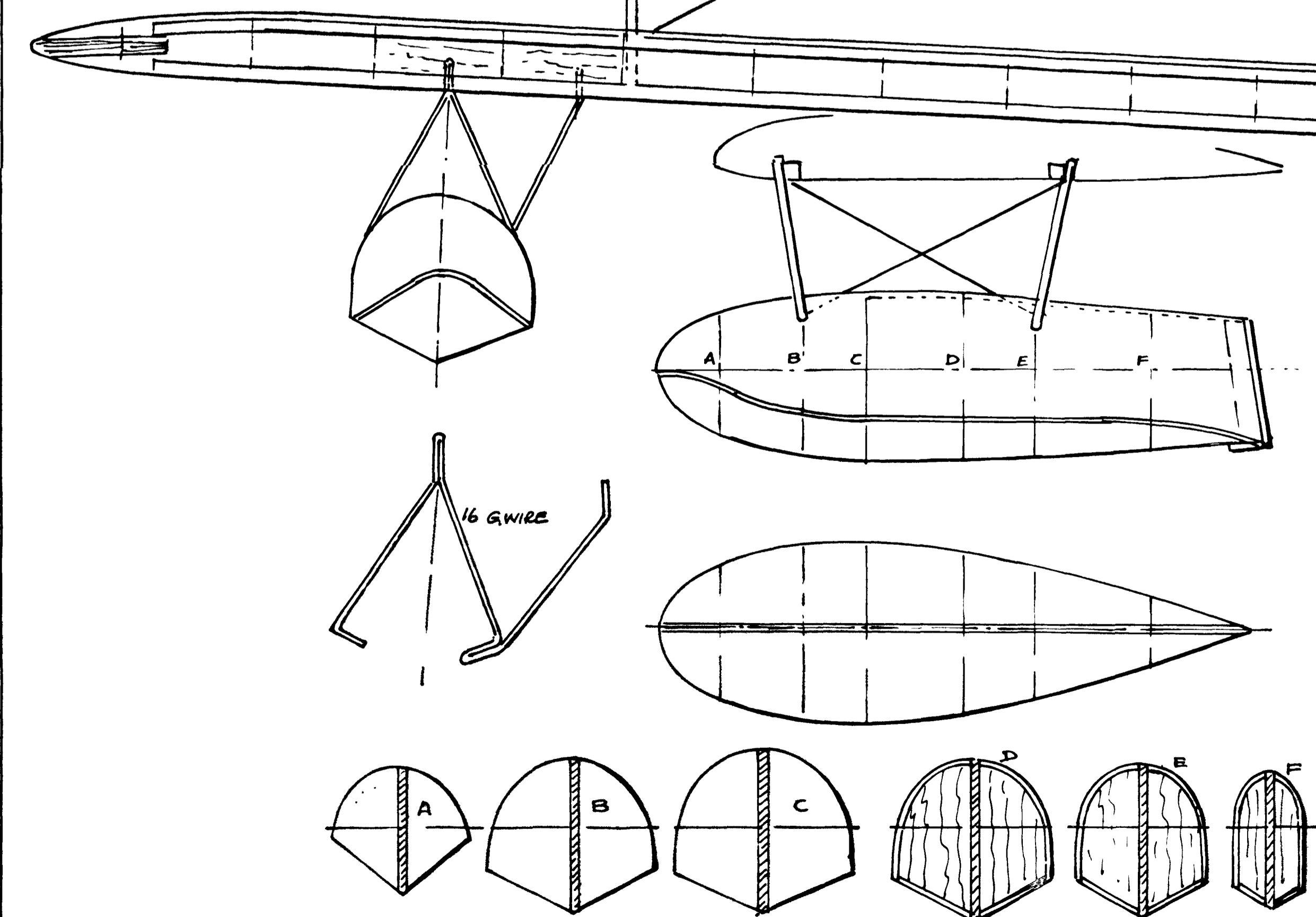
UPPER WINGS



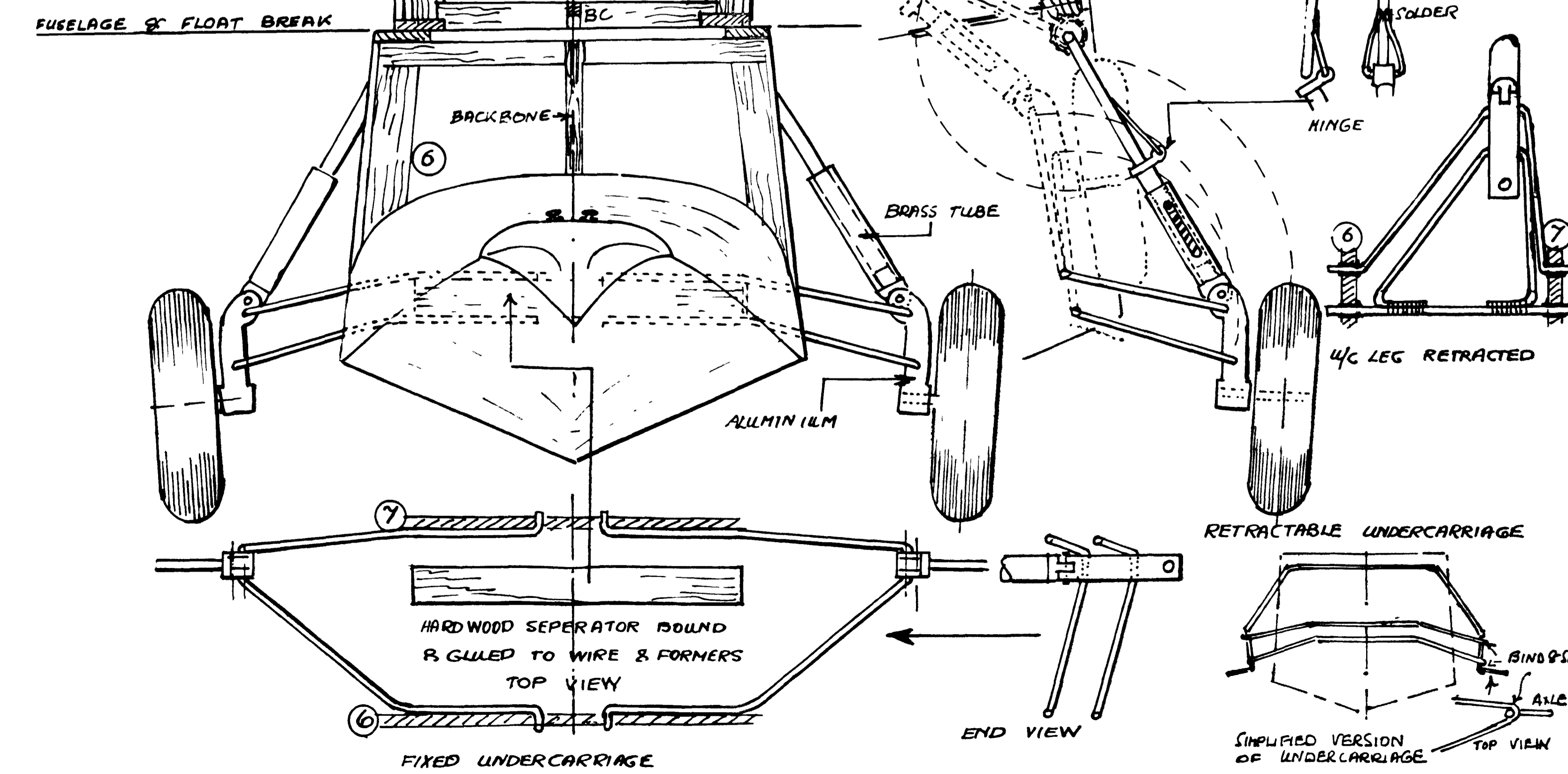
SOLID LEADING EDGES
 TOP SURFACES OF BOTH WINGS CLAD WITH 1-3/4" Balsa ONLY



SPRUCE SPARS TOP & BOTTOM
 THIS VIEW SHOWS FRONT SPARS
 THIS VIEW SHOWS REAR SPARS



ALL FORMERS ARE IN HALVES, FIXED TO CENTRE SHAPE. ABC ARE CARVED FROM SOLID Balsa. DEF ARE SHEETED.
 BALANCE FLOAT EACH WING TIP RH & LH WIRE FIX.



FIXED UNDERCARRIAGE

RETRACTABLE UNDERCARRIAGE

END VIEW

SHIFTABLE VERSION OF UNDERCARRIAGE

AS THIS MODEL IS TREATED AS TWO SEPARATE ENTITIES, THERE ARE TWO SEPARATE DATUM LINES, ONE AT THE TOP OF THE FLOAT, THE OTHER AT THE THRUST LINE. ALL FORMERS SHOW 2MM CLADDING, SANDED TO 1/2MM. AND ALTHOUGH SHOWN AS ONE PIECE ARE IN REALITY 3 PIECES, VIZ. FLOAT, LOWER FUSELAGE & UPPER. IN SOME CASES THE FUSELAGE FORMERS DO NOT EXACTLY COINCIDE WITH THOSE OF THE FLOAT. THE FLOAT IS BUILT AROUND A BASIC BACKBONE & IS DETACHABLE FROM THE FUSELAGE. THE LOWER FUSELAGE IS BEST BUILT BY INVERTING THE FORMERS ON TO (B-T) BASIC THRUST LINE & WHEN COMPLETE ADDING THE UPPER. NO LONGERONS AS SUCH ARE USED, BUT 5MM SQUARE DISTANCE PIECES SEPARATE THE FORMERS. THESE ARE NOT ALL INDICATED ON THE DRAWING, BUT ARE PLACED WHERE REQUIRED & ALSO TO SUPPORT THE PLANKING.

THE PHYSICAL PARAMETERS ARE TO SCALE & EXPERIENCED MODELLERS SHOULD HAVE NO DIFFICULTY IN CONSTRUCTING THE MODEL.

COLOUR SCHEME. WHITE BOTTOM & SIDES WITH YELLOW UPPER SURFACES OF UPPER WING & TAIL. UPPER SURFACES OF LOWER WING WHITE.