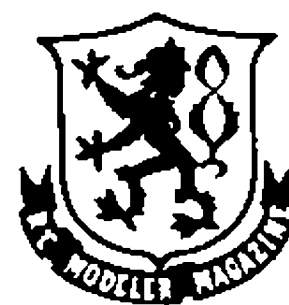


NOTES	
SPAN: 40"	LENGTH: 33"
WING AREA: 290 SQ IN.	POWER: .19 CU. IN.
PROTOTYPE WEIGHT BREAKDOWN:	
FUSELAGE & EMPENNAGE	11 OZ.
WING	8
FLOATS, STRUTS, & BRACING WIRE	14
PROPULSION SYSTEM	7
CONTROL SYSTEM (TYPICAL)	15
TOTAL WEIGHT	55 OZ.



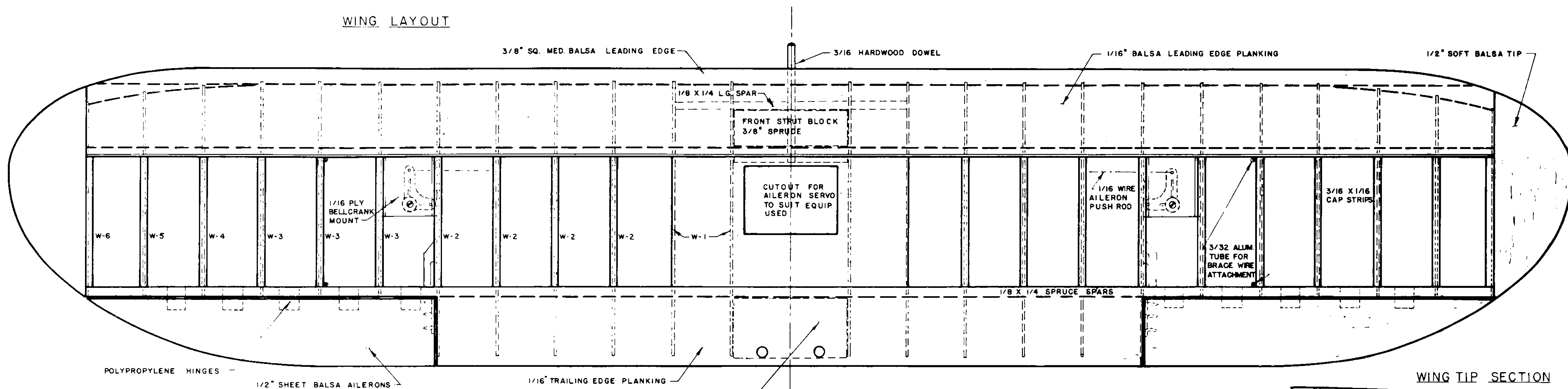
SHEET 1 OF 2
SUPERMARINE S.5

RACING SEAPLANE - WINNER OF 1927 SCHNEIDER CUP

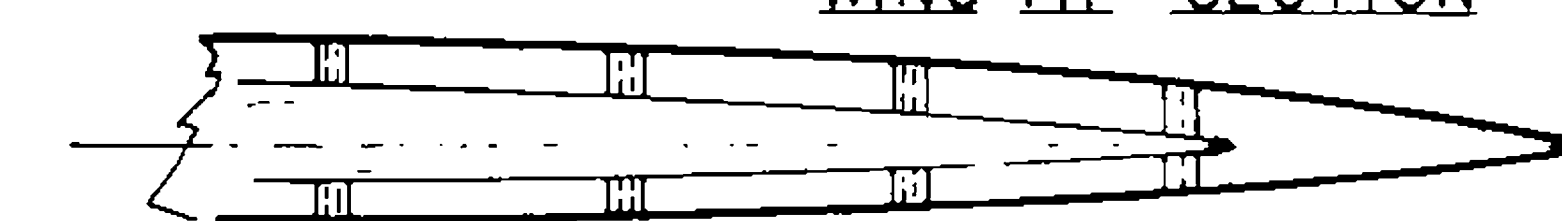
DESIGNED AND DRAWN BY GARY FLANDRO SCALE: 1/5"=1'



WING LAYOUT

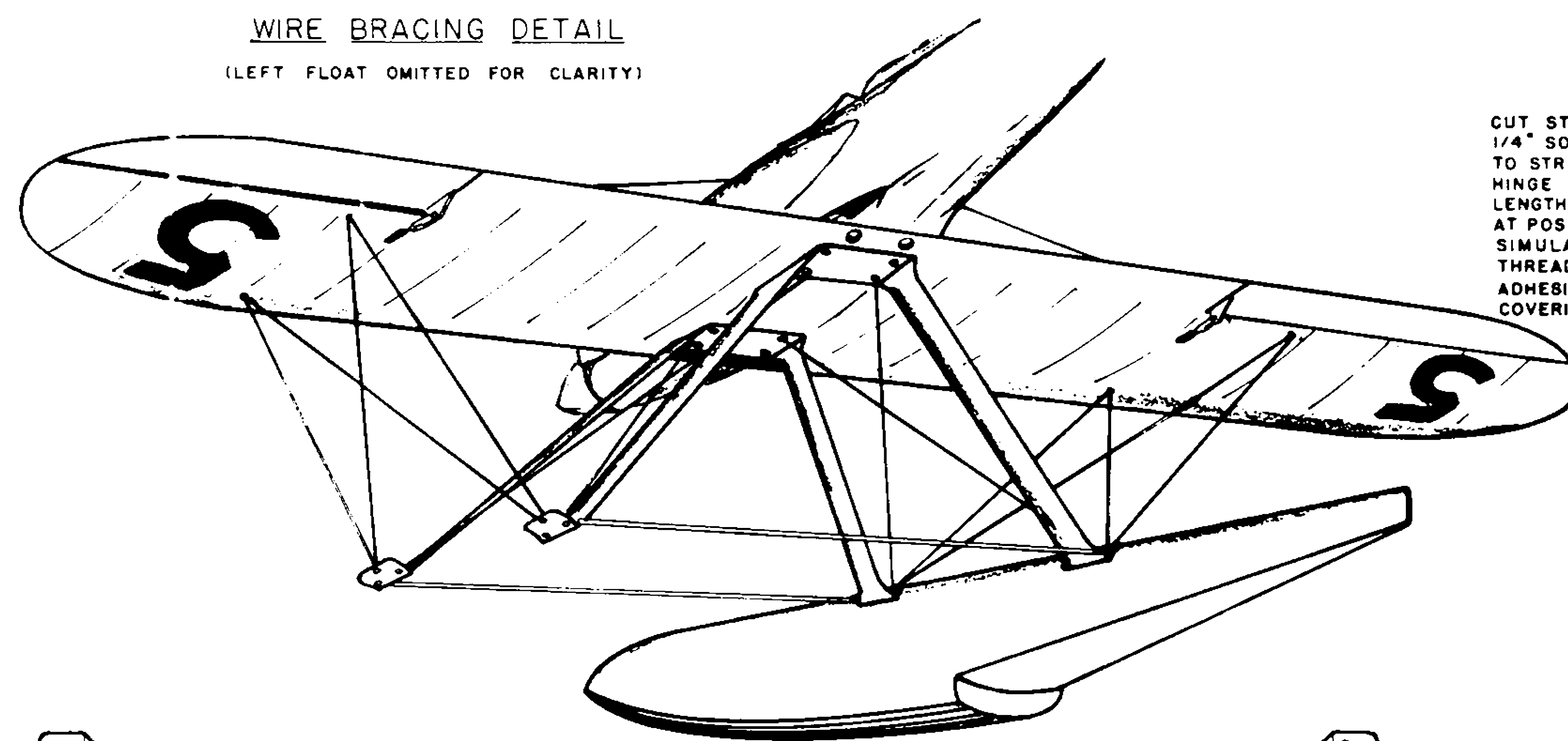


WING TIP SECTION



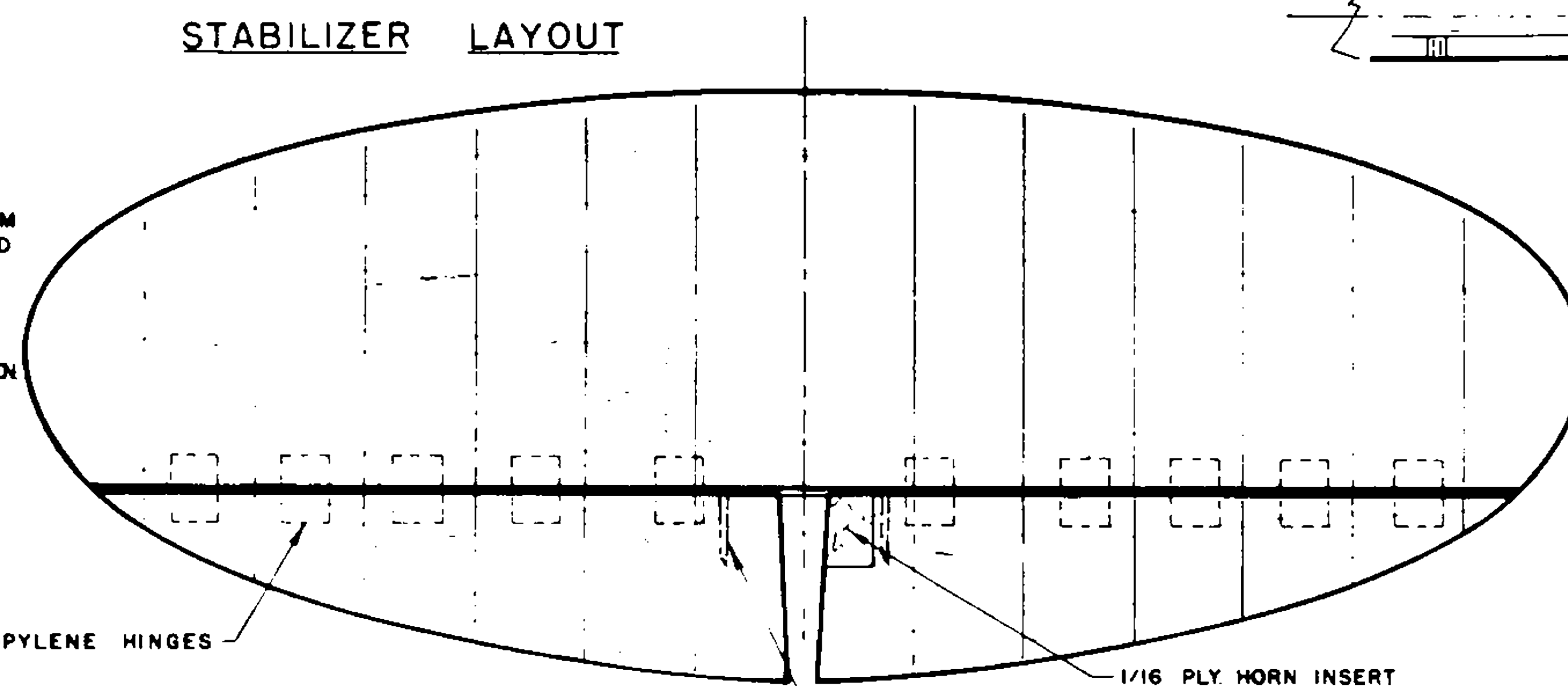
WIRE BRACING DETAIL

(LEFT FLOAT OMITTED FOR CLARITY)



STABILIZER LAYOUT

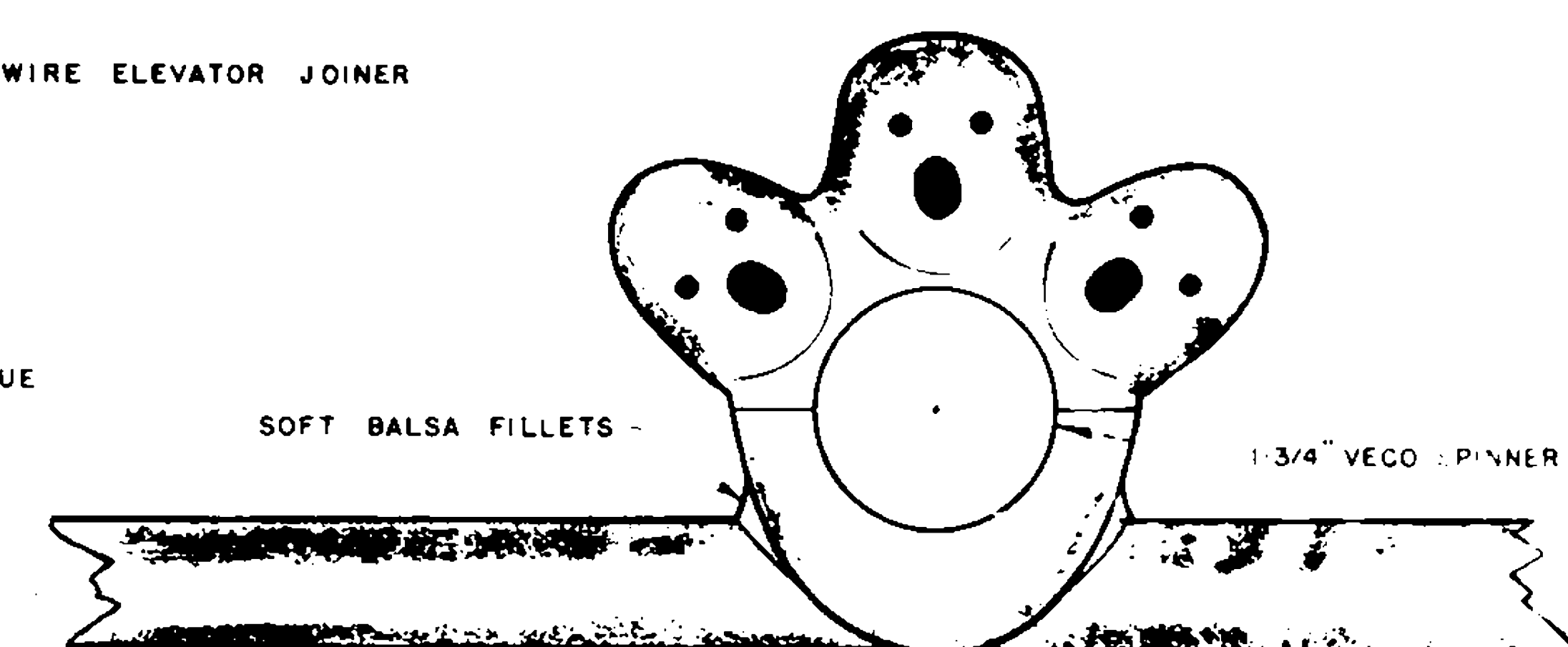
CUT STABILIZER PARTS FROM
1/4" SOFT BALSA SHEET. SAND
TO STREAMLINE SECTION AND
HINGE ELEVATORS. GLUE
LENGTHS OF NO. 50 THREAD
AT POSITIONS INDICATED TO
SIMULATE RIBS. WAX BETWEEN
THREADS TO PREVENT
ADHESION OF MONOKOTE
COVERING MATERIAL



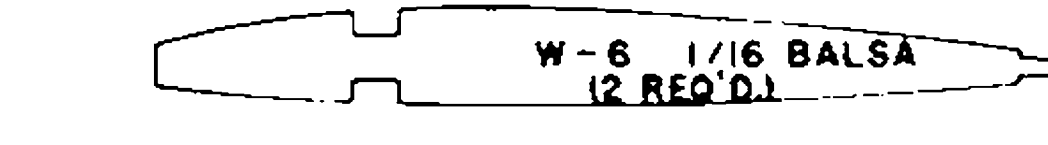
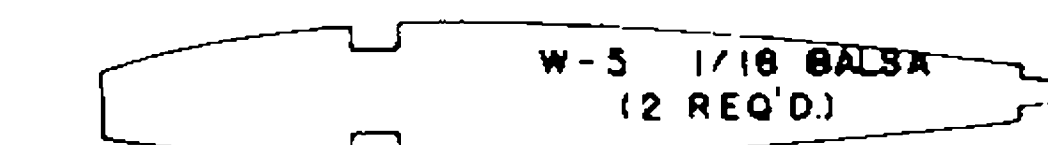
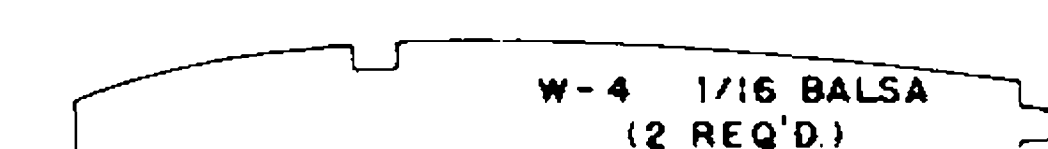
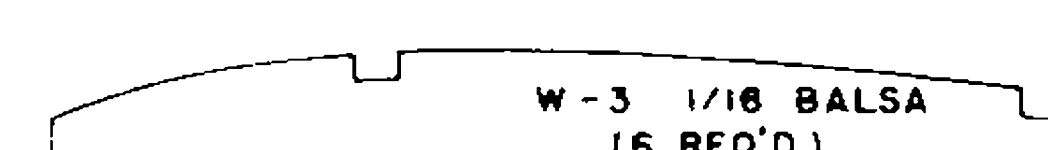
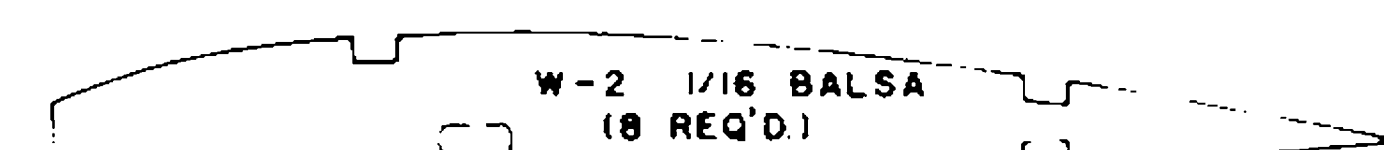
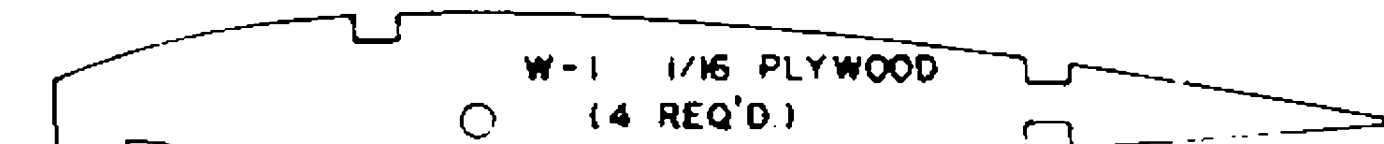
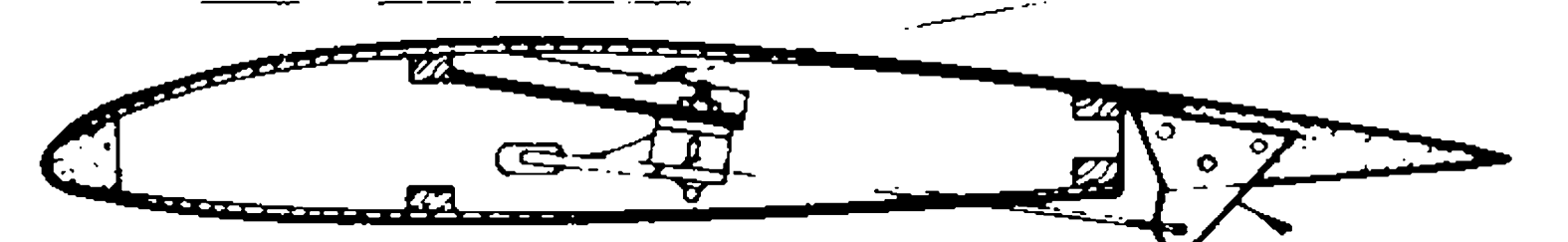
STAB TIP SECTION



FRONT VIEW



RIB LAYOUTS



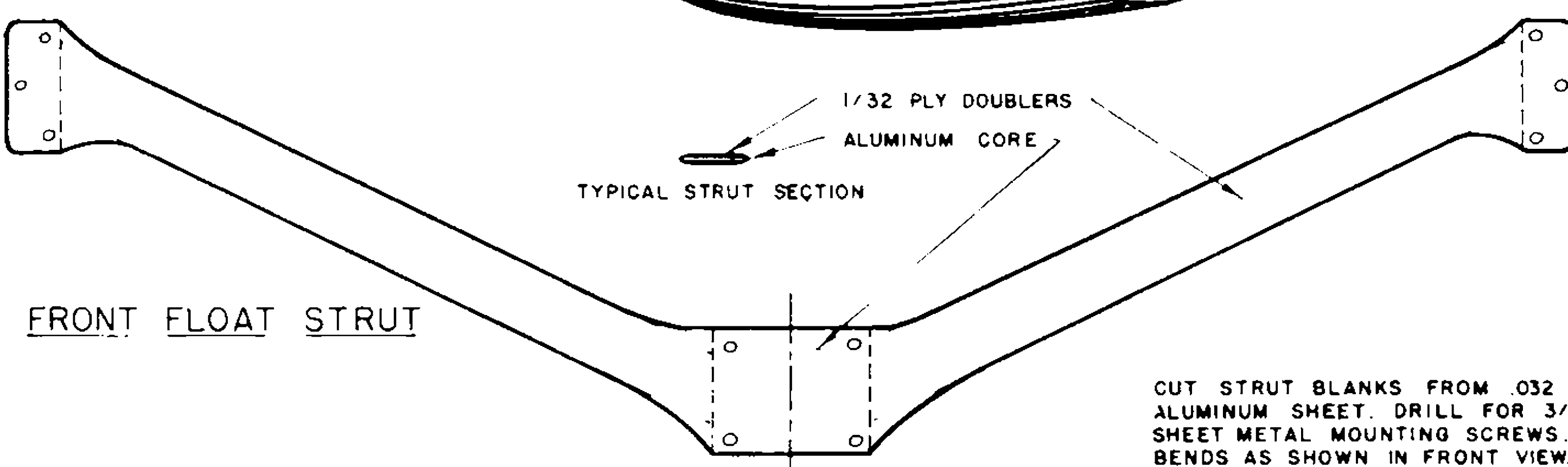
1/16 PHENOLIC HORN
MOUNT WITH EPOXY GLUE
& 1/16 DOWEL PINS

3/32 BRASS TUBE STRUT MAIN
BRACE FITTING - SOLDER TO
WIRE, FLATTEN END, AND
DRILL FOR SHEET METAL
SCREW

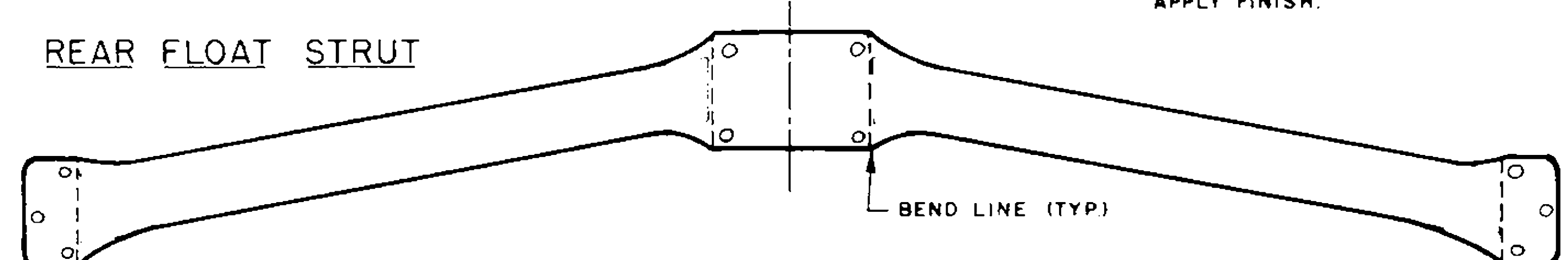
025 STEEL BRACING
WIRE (TYP.)

060 WIRE MAIN FLOAT BRACE

FLOAT STRUTS MOUNTED WITH
SHEET METAL SCREWS OR 3-48
3/4" BOLTS AND BLIND NUTS



FRONT FLOAT STRUT



REAR FLOAT STRUT

CUT STRUT BLANKS FROM .032 HARD
ALUMINUM SHEET. DRILL FOR 3/32 DIA
SHEET METAL MOUNTING SCREWS. MAKE
BENDS AS SHOWN IN FRONT VIEW.
LAMINATE 1/32 PLYWOOD DOUBLERS TO
EACH SIDE OF ALUMINUM CORE USING
EPOXY GLUE. CLAMP BETWEEN WOOD
BLOCKS UNTIL CURED. SAND TO A
STREAMLINE CROSS-SECTION AND
APPLY FINISH.



SHEET 2 OF 2
SUPERMARINE S.5

1927 SCHNEIDER SEAPLANE RACE WINNER

DESIGNED AND
DRAWN BY GARY FLANDRO

SCALE 1.5" = 1'

