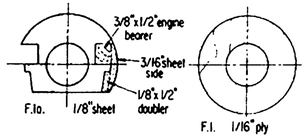
A 57"span, semi scale, F.A.I. Pylon racer, for 4 function Radio control, & .40cu in motors.

MUSTANG

BY TONY DOWDESWELL

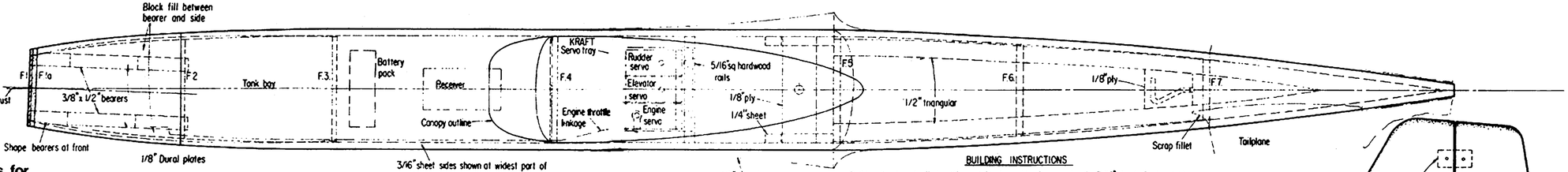
SHEET 1 OF 2

ALL WOODS BALSA UNLESS OTHERWISE STATED

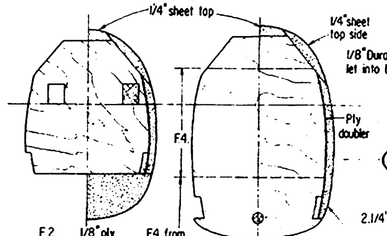


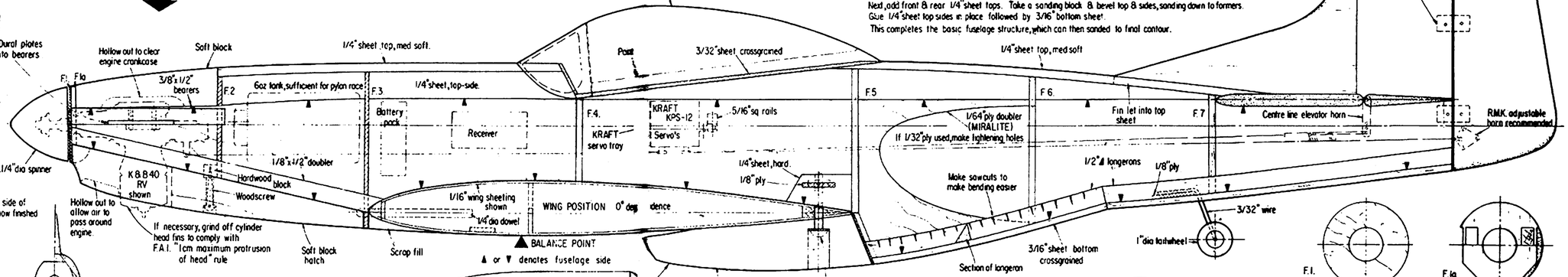
Formers for F.A.I. fuselage

F.A.I. PYLON RACE FUSELAGE

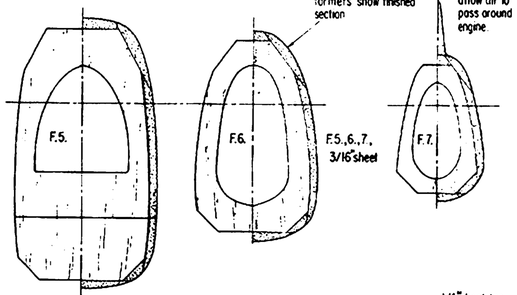


NOTE — For F.A.I. pylon model, use lightest possible balsa consistant with adequate strength in order to build model down to 4lb 13oz minimum weight limit allowed by rules.



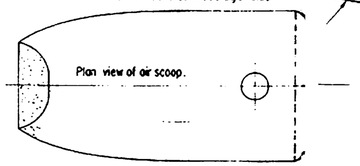


Canopy use STE DRO-MOLD plastics, or 6 Mustang canopy, cut to fit



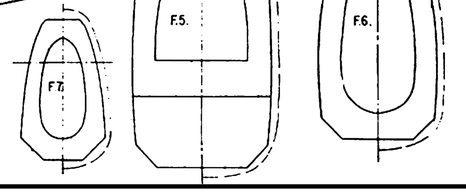
BALANCING THE MODEL

For pylon racing, it is best to start with C.G. well forward as shown. Then after trimming the model & gaining flying experience with it, the pilot may find the speed can be increased by moving the C.G. progressively aft in small increments.



SPORT R.C. FUSELAGE

Formers for Sport R/C fuselage



BUILDING INSTRUCTIONS

Build up fuselage by first cutting out fuselage sides from med-soft 3/16" sheet. Soak outside faces with water, & dope insides, so that sides cockle while drying, this provides the basic fuselage curvature. Add ply doublers using contact glue, followed by the 1/2" triangular rear bottom longerons.

Join two sides with formers F.3, 4, 5. When dry add F.6, 7. & draw sides together at rear. Next, build up power pod, adding F.1, 1a, & 2. together with engine bearers & top block, epoxy in place.

Next, add front & rear 1/4" sheet tops. Take a sanding block & bevel top & sides, sanding down to formers.

Glue 1/4" sheet top sides in place followed by 3/16" bottom sheet.

This completes the basic fuselage structure, which can then sanded to final contour.

Fin & rudder from 3/8" soft sheet

MYLAR hinges

H.E

SHEET 2 OF 2

MUSTANG