Bootlace
designed by
I. Peacock
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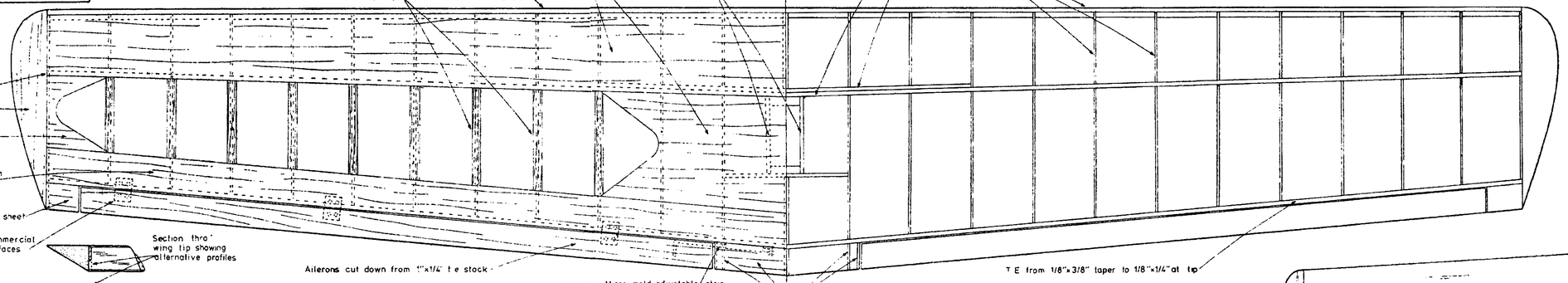
The R.C.M.&E. Plans Service
13-35 Bridge Street, Hemel Hempstead, Herts.

£1·25

A 52 1/2" wingspan R/C sport model for three or four function equipment and engines from 0·29cu.in. to 0·45cu.in. (A.P.S. code J – M)

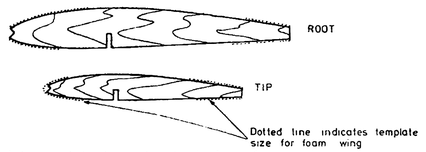
NOTE This model may be flown without either ailerons or rudder.



Build wing halves flat on plan – add entire top sheeting (L.E., T.E., Centre section, tip & cap strips) before removing wing from building board. Fit T.E. extensions. Remove from board & slot ribs to recieve dihedral brace. Join wings & insert brace checking for correct dihedral angle. Cut away centre rib & fit servo box. Add aileron horns. Add entire underside sheeting. Finally fit tips & sand all over.

Make two sets of 13 ribs from 3/32" air grain sheet. Sandwich balsa "blanks" between templates – carve & sand to produce tapered batch of ribs.

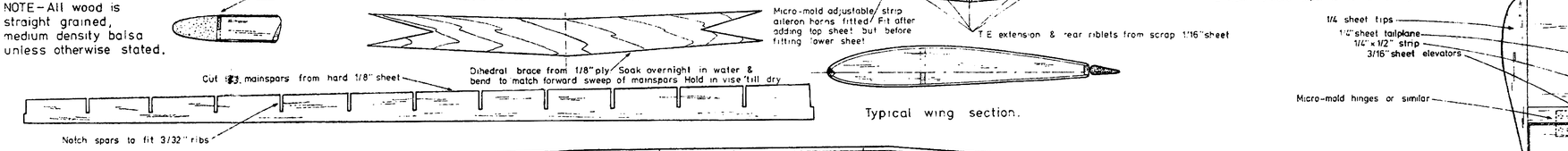
RIB TEMPLATES – 1/8" ply



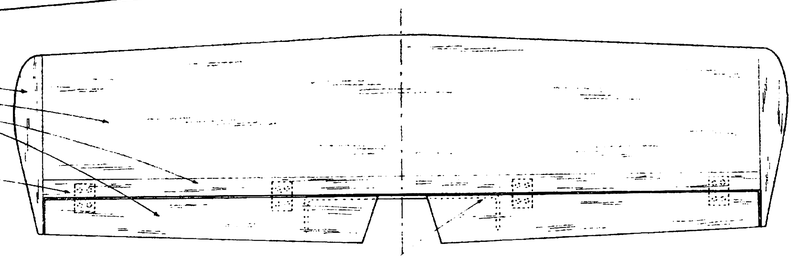
Note – original model had styro-foam wing

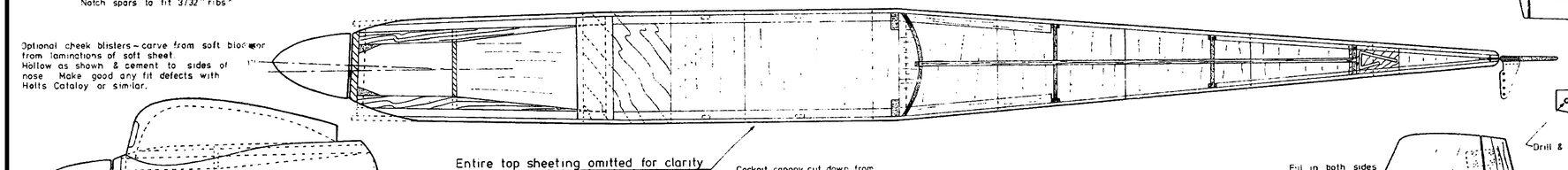
Foam cores - veneered panels or completed wings are available together with dural U/C blanks from Aviette kits, Water lane, Sherrington, Bucks

NOTE – All wood is straight grained, medium density balsa unless otherwise stated.



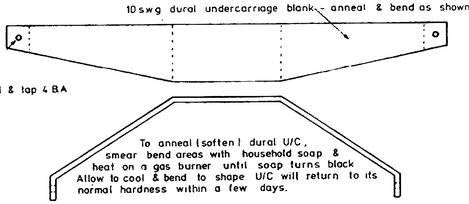
Typical wing section.



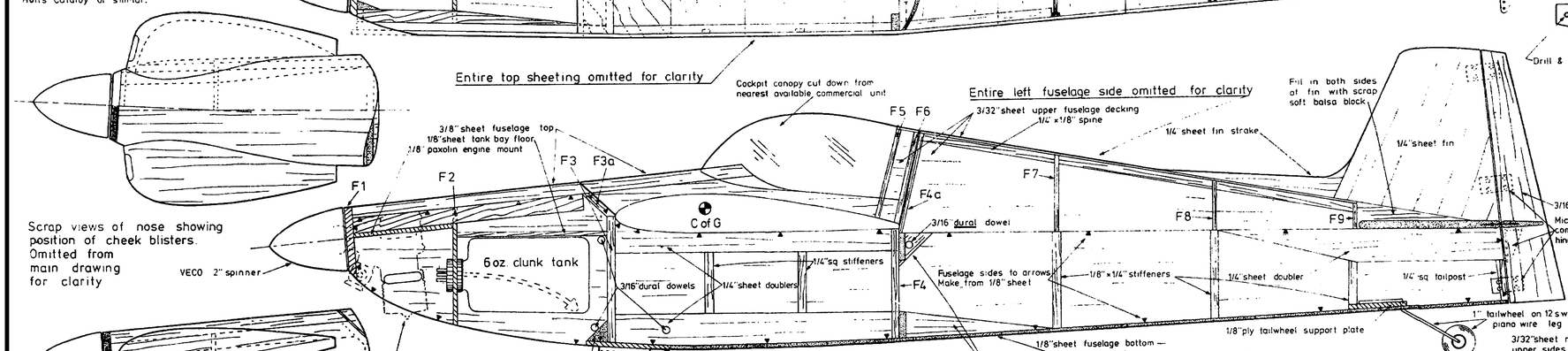


12 s.w.g. piano wire elevator joiner

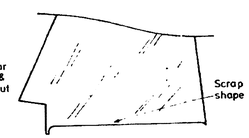
10 s.w.g. dural undercarriage blank – anneal & bend as shown.



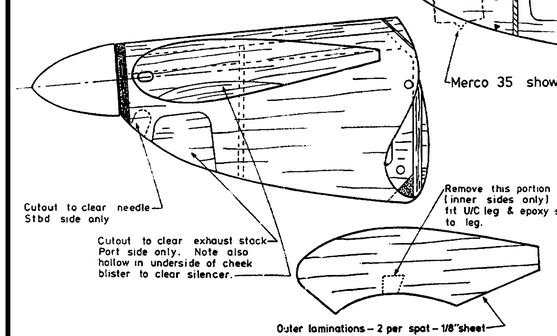
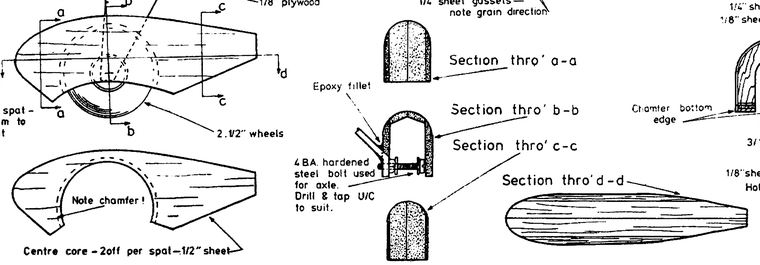
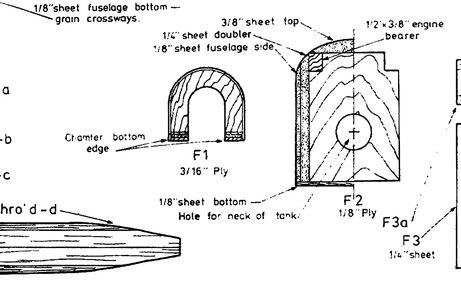
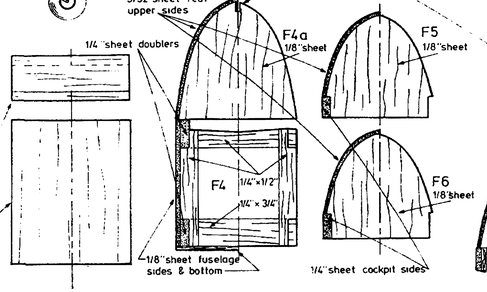
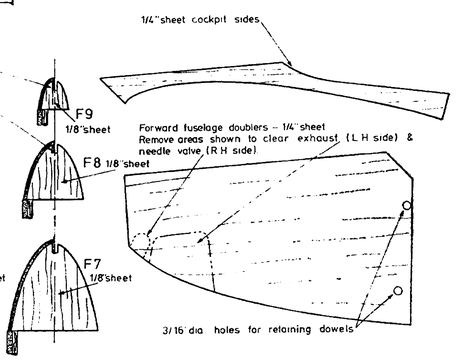
To anneal (soften) dural U/C, smear bend areas with household soap & heat on a gas burner until soap turns black. Allow to cool & bend to shape. U/C will return to its normal hardness within a few days.



Scrap views of nose showing position of cheek blisters. Omitted from main drawing for clarity



Scrap view showing exact shape of base of fin

OPTIONS –

1. U/C may be bolted to bottom of fuselage (bolt holes shown dotted). Use 4 BA nylon bolts. Omit U/C fixing dowels.
2. Three function operation – no rudder. Glue rudder to fin, sand smooth & cover.
3. Three function operation – no ailerons. Omit aileron & T.E. extensions. Increase width of T.E. sheeting to 2 1/16". Add tips in usual way. Increase dihedral to 2" at each tip.
4. Wing may be bolted on – omit wing dowels. Use 1/4" dowel locating dowels at T.E. of wing incorporating local reinforcement of F4a, F5 & F6. Use single 1/4" nylon bolt thro' fuselage top & F3a into a blind nut. Support nut on 1/8" ply plate fixed to front of F3 above tank bay floor.