

NOTE: cut cores with 2° washout as shown

CANOPY  
 front cut from commercial canopy  
 rear. from acetate sheet

wing templates 1/32 ply  
 note overhangs to form lead-in & out  
 for hot wire

fus. decking templates 1/32 ply  
 overhang foam by this amount

build up bulges here from scrap

fin. locates in t.p.  
 with tabs here

1/8 balsa core  
 1/32 ply each side  
 F4

foam section covered with 1/32 sheet

1/32 sheet covering

1/16 crossgrain sheet base

mylar hinges

soft block

soft block

rear deck foam / balsa

scrap fillet

bat. R.X.

servo pos'n

fuselage sides 1/8 med. sheet shown v.o.a.

F5

2.1/2 spinner

1/2 triangular

1/32 ply base for wing/fus. fillet

1/32 ply doubler  
 to here

foam / balsa

very soft block

F1

1/8 ply

F2

1/8 ply

F3

1/8 ply

NOTE: sidethrust 2°  
 downthrust 1°

soft block

optional scale details from scrap

u/c fairing 1/32 ply

3/16 gusset

full shape of wing/fillet, chamfer to dotted  
 line, wet inside surface, glue with p.v.a.

1/16 sheet

tailwheel leg sew &  
 epoxy to 1/16 ply plate

1/8 ply let in to foam before  
 sheeting, anchors u/c lag which  
 protrudes through top surface  
 (foam wing only)

NOTE: right hand fuselage side is  
 slightly shorter than left

fill around motor with  
 scrap block

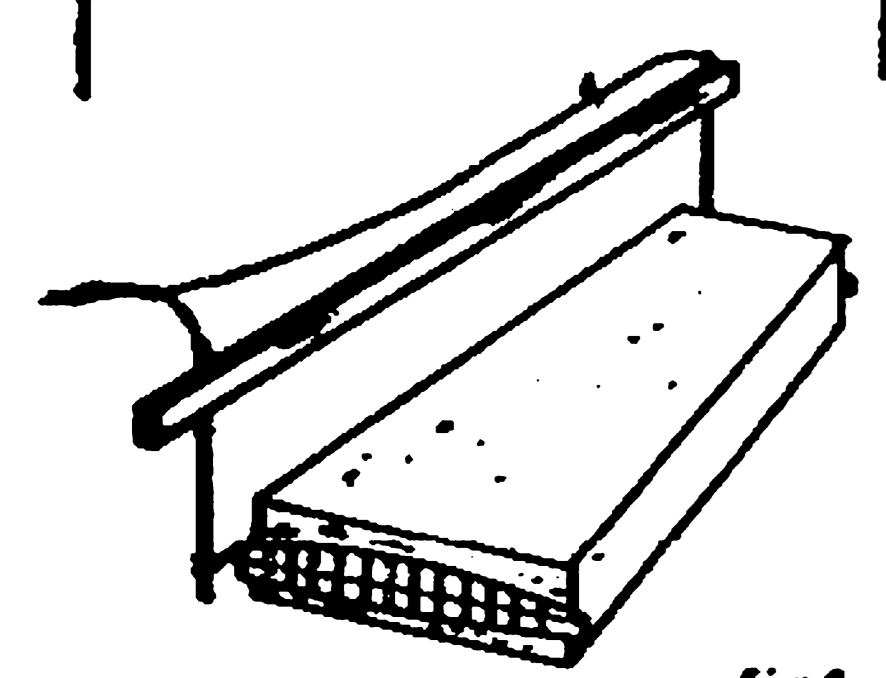


fig. 1

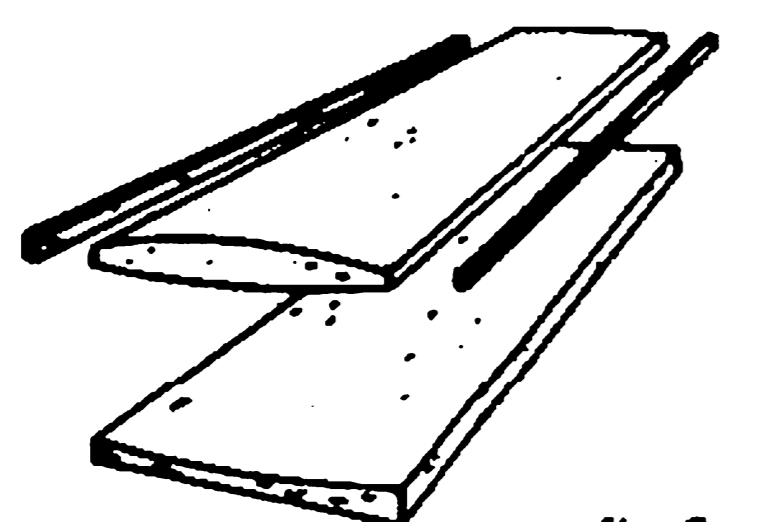


fig. 2

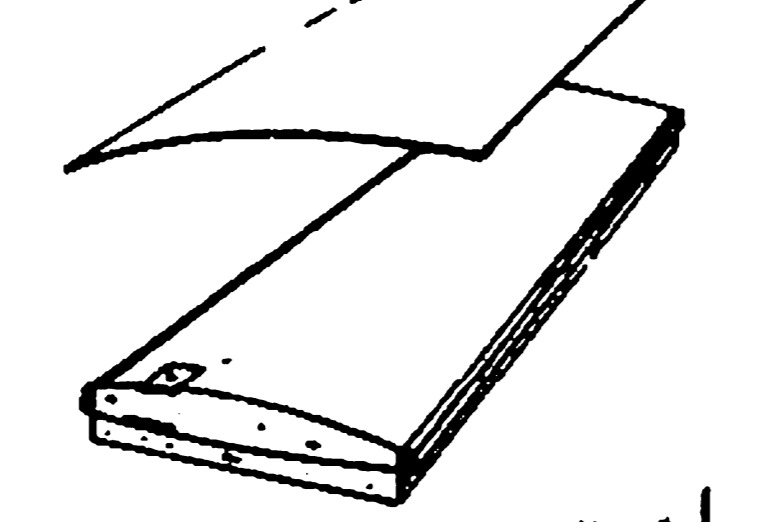


fig. 3

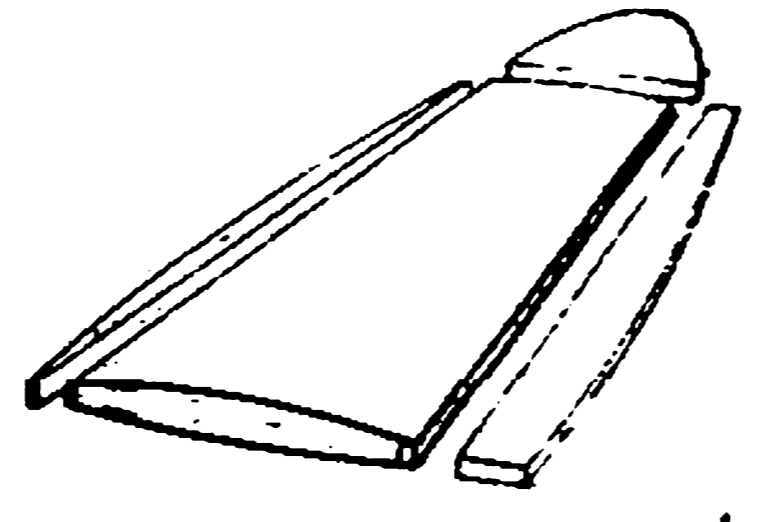


fig. 4

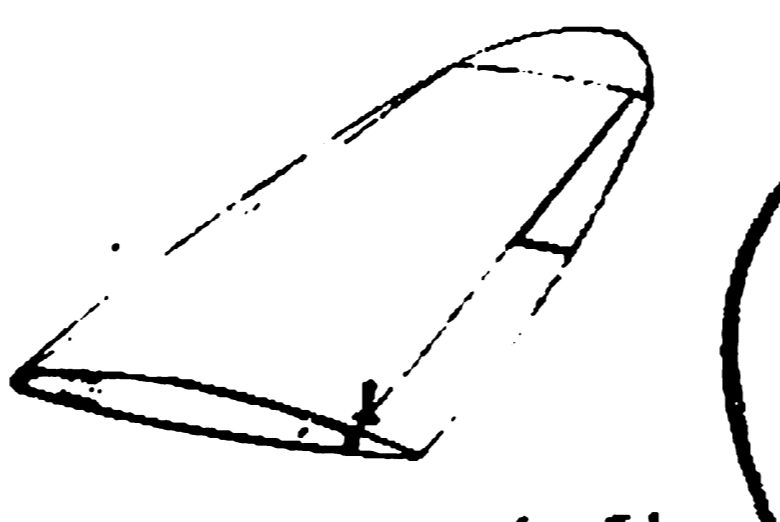


fig. 5

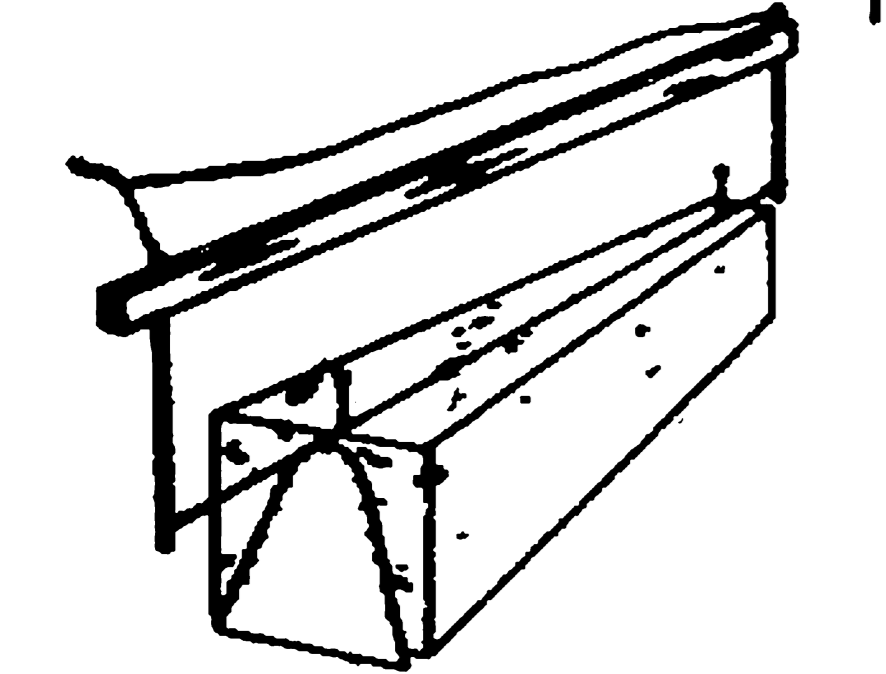


fig. 6

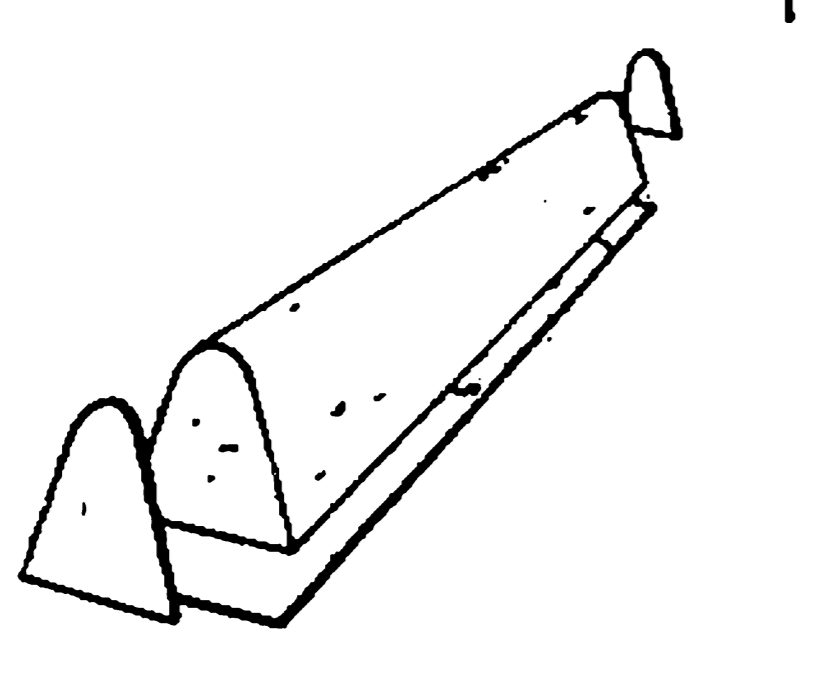


fig. 7

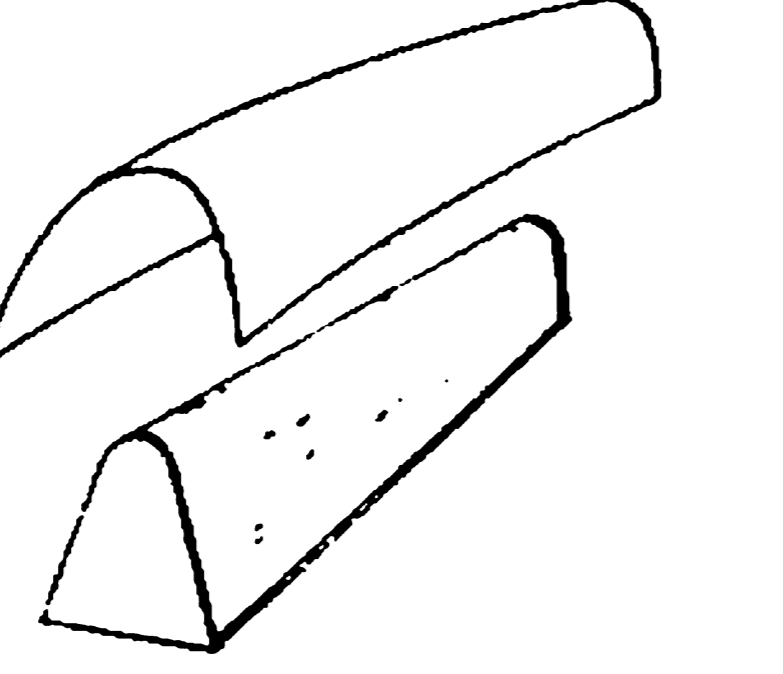


fig. 8

fig. 1. cut panel from 2 blank pre-cut to size as per plan  
 fig. 2. add false l.e., l.e. & u/c blocks  
 fig. 3. sheet with soft 1/16 balsa using waste foam as jig  
 fig. 4. add tip & l.e. & tack-glue t.e. into place  
 fig. 5. plane & sand to contour, add linkage, separate aileron & glue inner  
 t.e. section permanently into place

FUSELAGE SECTIONS

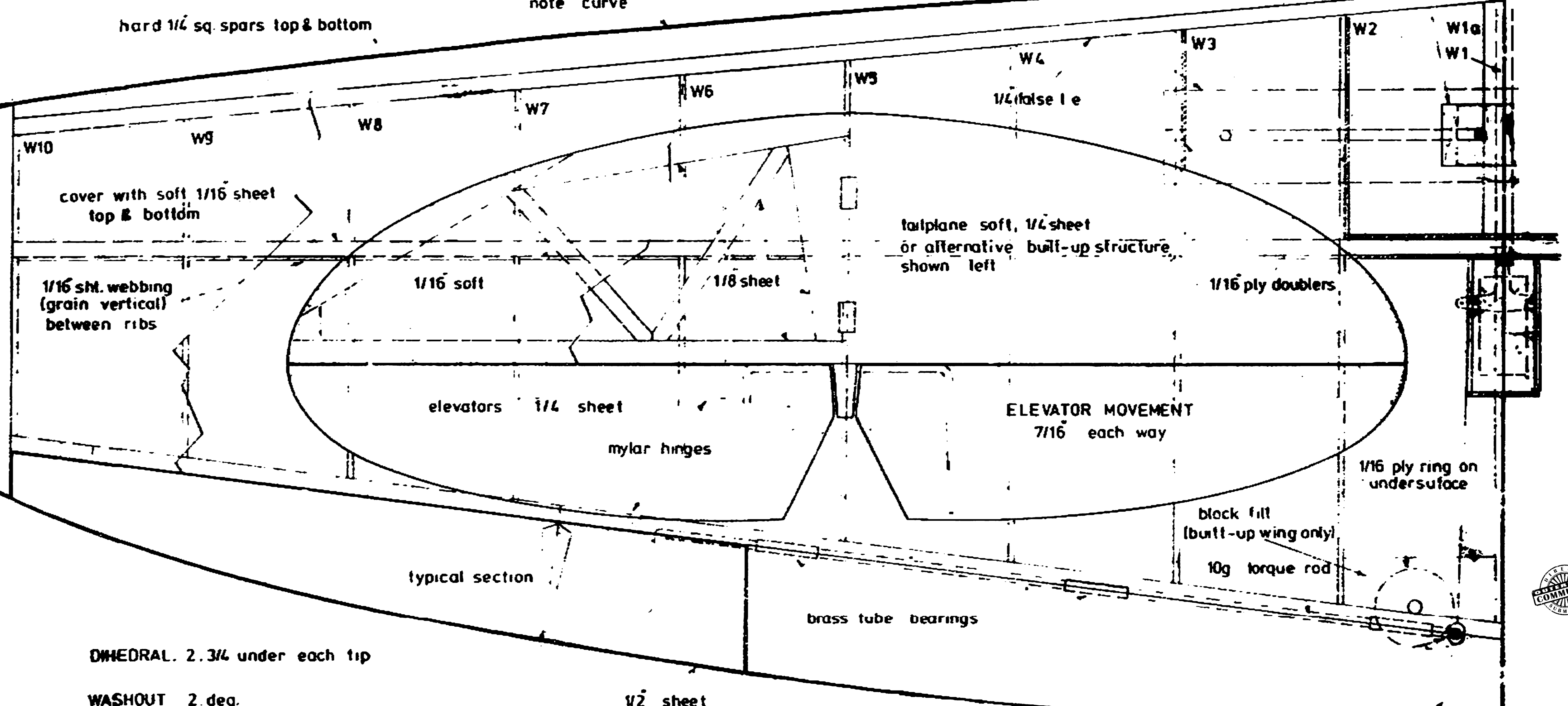
fig. 6. cut section from blank pre-cut to length as per plan  
 make two cuts each starting from pins inserted at highest point  
 fig. 7. add end plates & 1/16 crossgrain base  
 fig. 8. sheet with 1/32 balsa, wet outside surface  
 1/16 ply doubler on W3

laminate tips from  
 soft sheet

hard 1/4 sq spars top & bottom

l.e. from 1/2 sheet  
 note curve

laminate lower u/c block  
 from 1/8 ply



cover with soft 1/16 sheet  
 top & bottom

1/16 sh. webbing  
 (grain vertical)  
 between ribs

1/16 soft

1/8 sheet

tailplane soft, 1/4 sheet  
 or alternative built-up structure  
 shown left

1/16 ply doublers

elevators 1/4 sheet

mylar hinges

ELEVATOR MOVEMENT  
 7/16 each way

block fill  
 (built-up wing only)  
 10g torque rod

1/16 ply ring on  
 undersurface

brass tube bearings

DHEDRAL. 2.3/4 under each tip

WASHOUT 2 deg.

1/2 sheet

brass tube, flatten here  
 and solder on

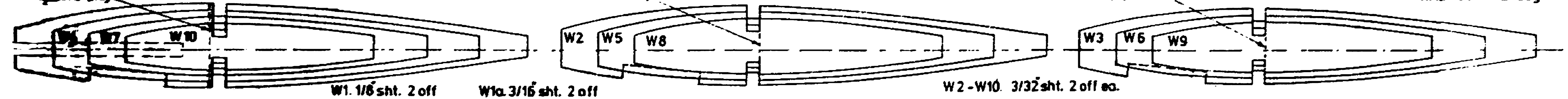
AILERON MOVEMENT  
 1/2 up 3/8 down

suggested dimensions  
 of aileron horns

glassfibre tape over  
 centre joint

NOTE: use laytex adhesive e.g. Copydex  
 (the best) for balsa sheet to polystyrene foam joints  
 (bare only)

1/16 ply doubler on W2  
 to here only



W1. 1/8 sht. 2 off

W1a. 3/16 sht. 2 off

W2 - W10. 3/32 sht. 2 off ea.