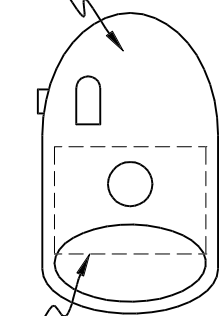


# CHILTON DW.1/1 16" Span

Designed & Drawn by Clive Gamble

Lower stringer, other stringers omitted for clarity

carve from block balsa

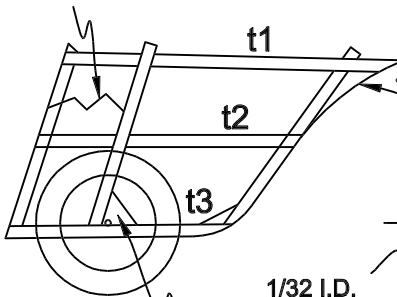


1/8" thick noseplug outline

Exhaust stubs

5.5° Downthrust

cover front with bond paper



Fillet to retain axle

1/32 I.D. Aluminium tube

1/32 wire axle

Prototype Details

Weight : 12g without motor

Motor : 30" loop of 5/32 Tan II

Prop : 6" Pecks

CG, Washout and Thrustline per plan

Result : 85 second smile

This model seems to favour a relatively wide left hand flight pattern. If you plan to fly in a small indoor space I would suggest hingeing the tail surfaces, and increasing the differential washout to start with.



Cockpit side 2 required

Headrest soft block balsa

f1

f2

f3

f4

f5

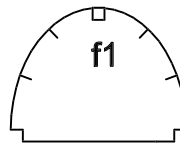
CG

f1B

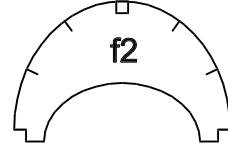
f2B

bond paper f1B to f2B only

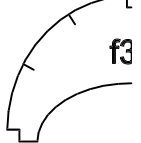
1.5° Right-thrust



f1



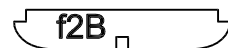
f2



f3



f1B

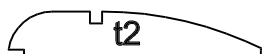


f2B

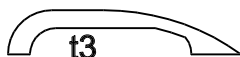
All wood 1/16 sq. or 1/10 sheet unless noted



t1



t2



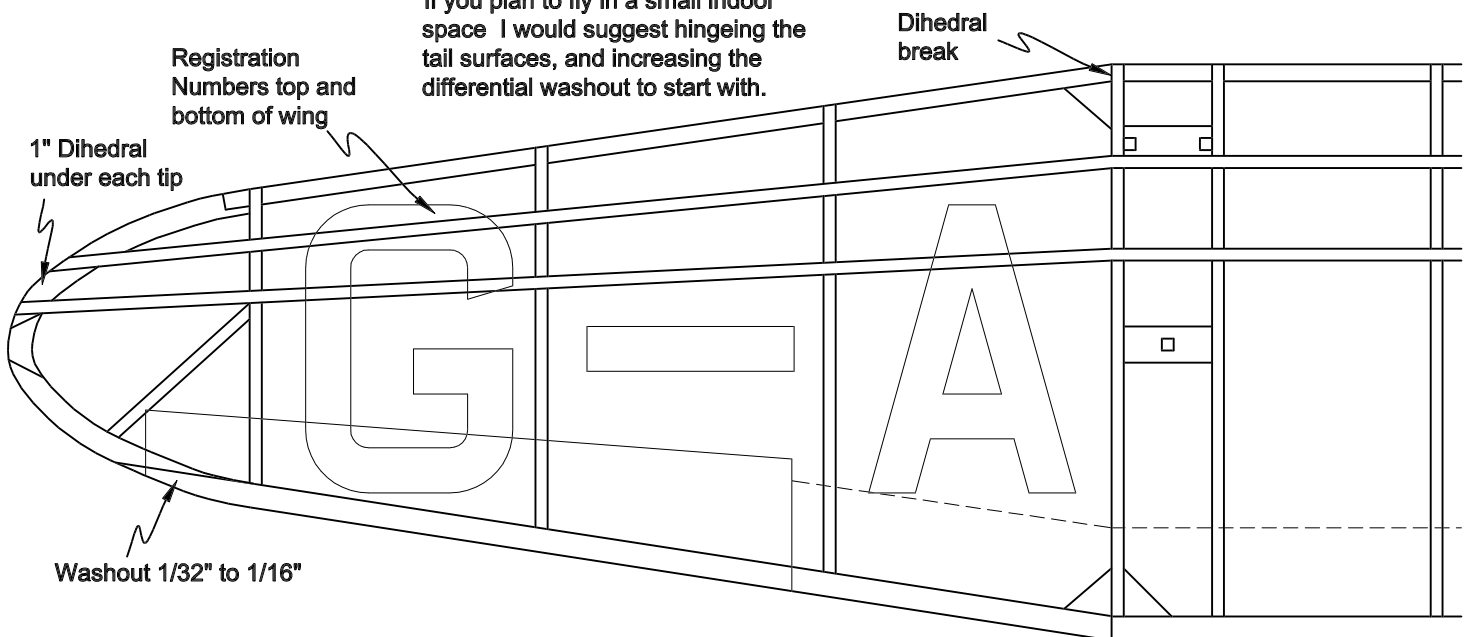
t3

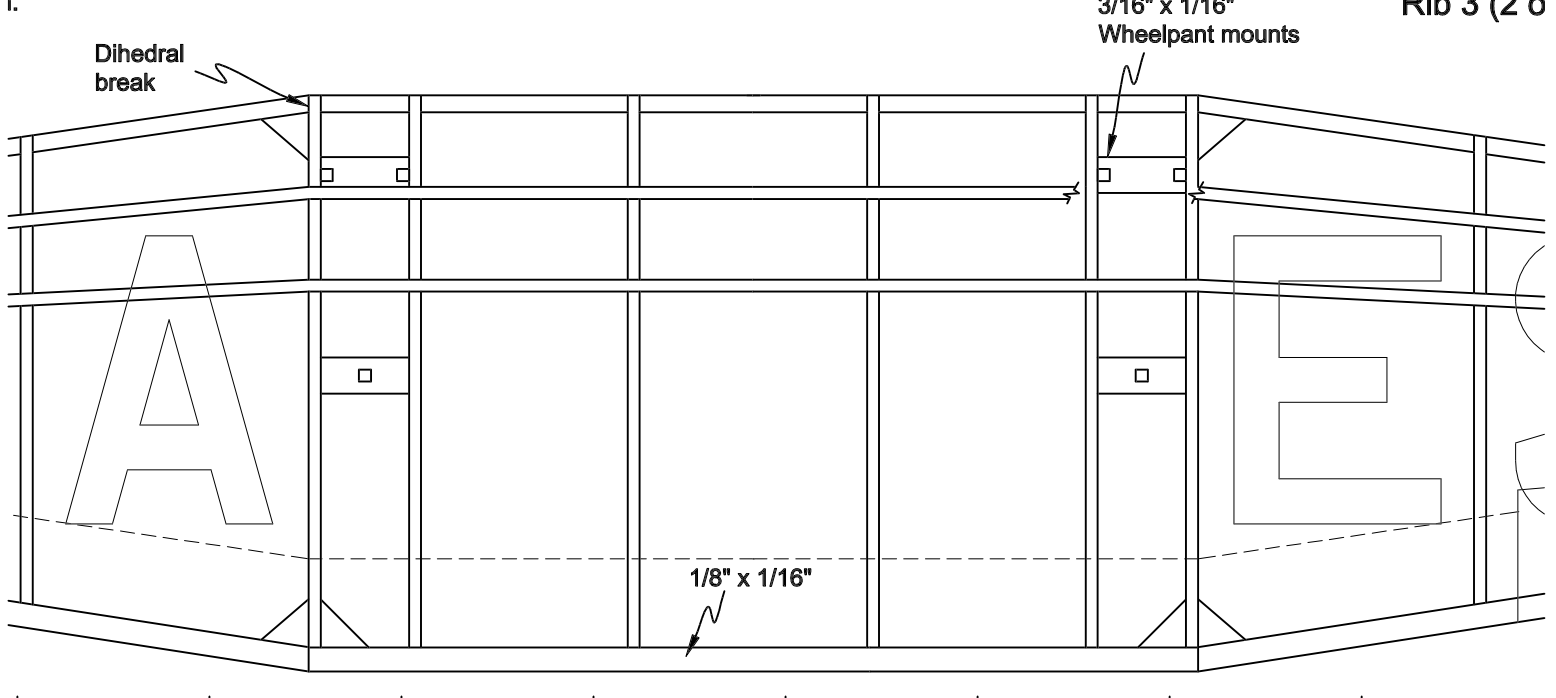
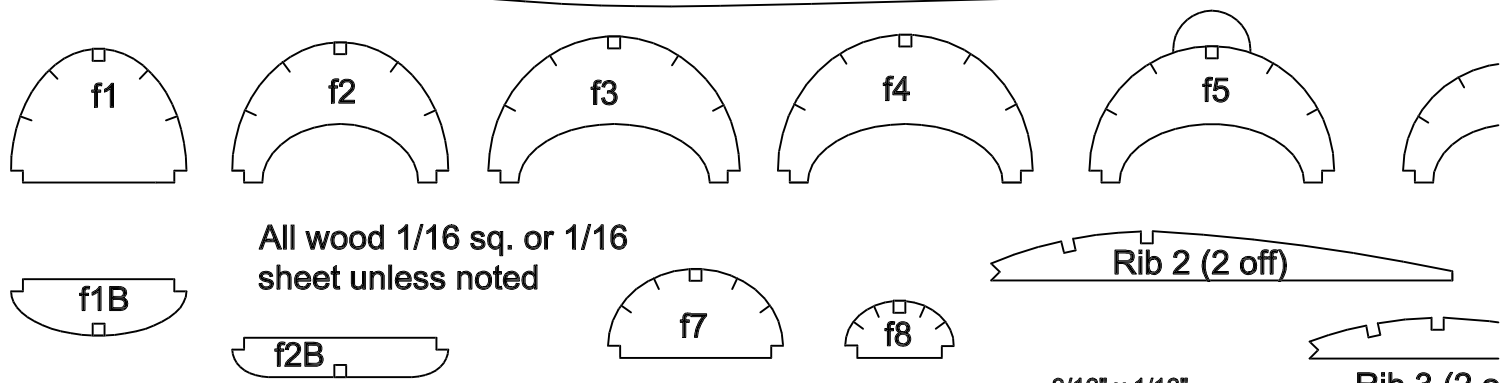
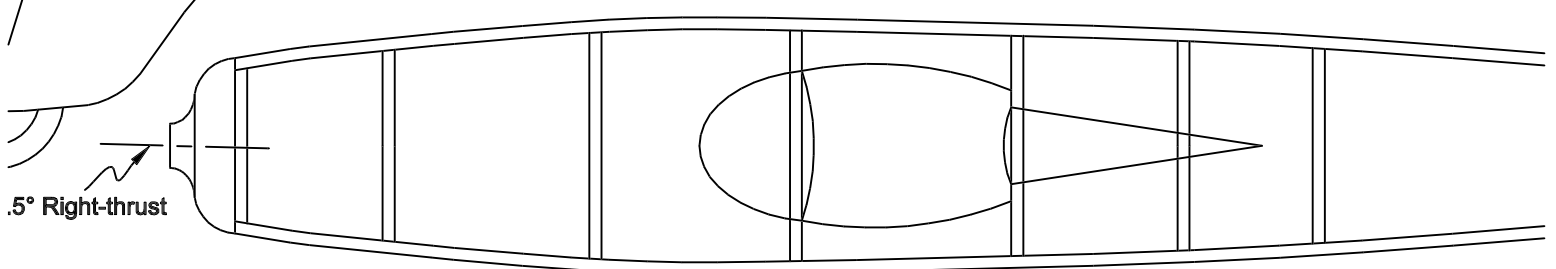
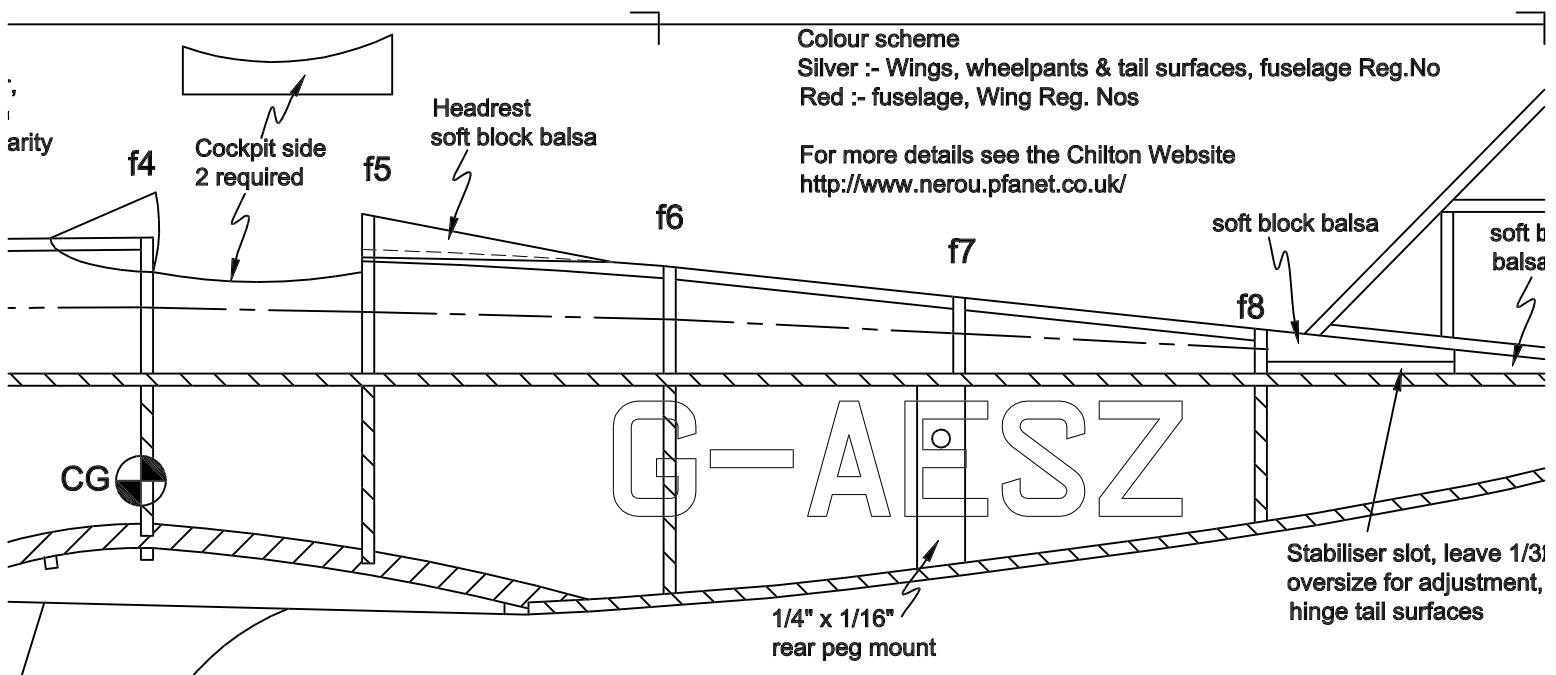
Registration Numbers top and bottom of wing

Dihedral break

1" Dihedral under each tip

Washout 1/32" to 1/16"

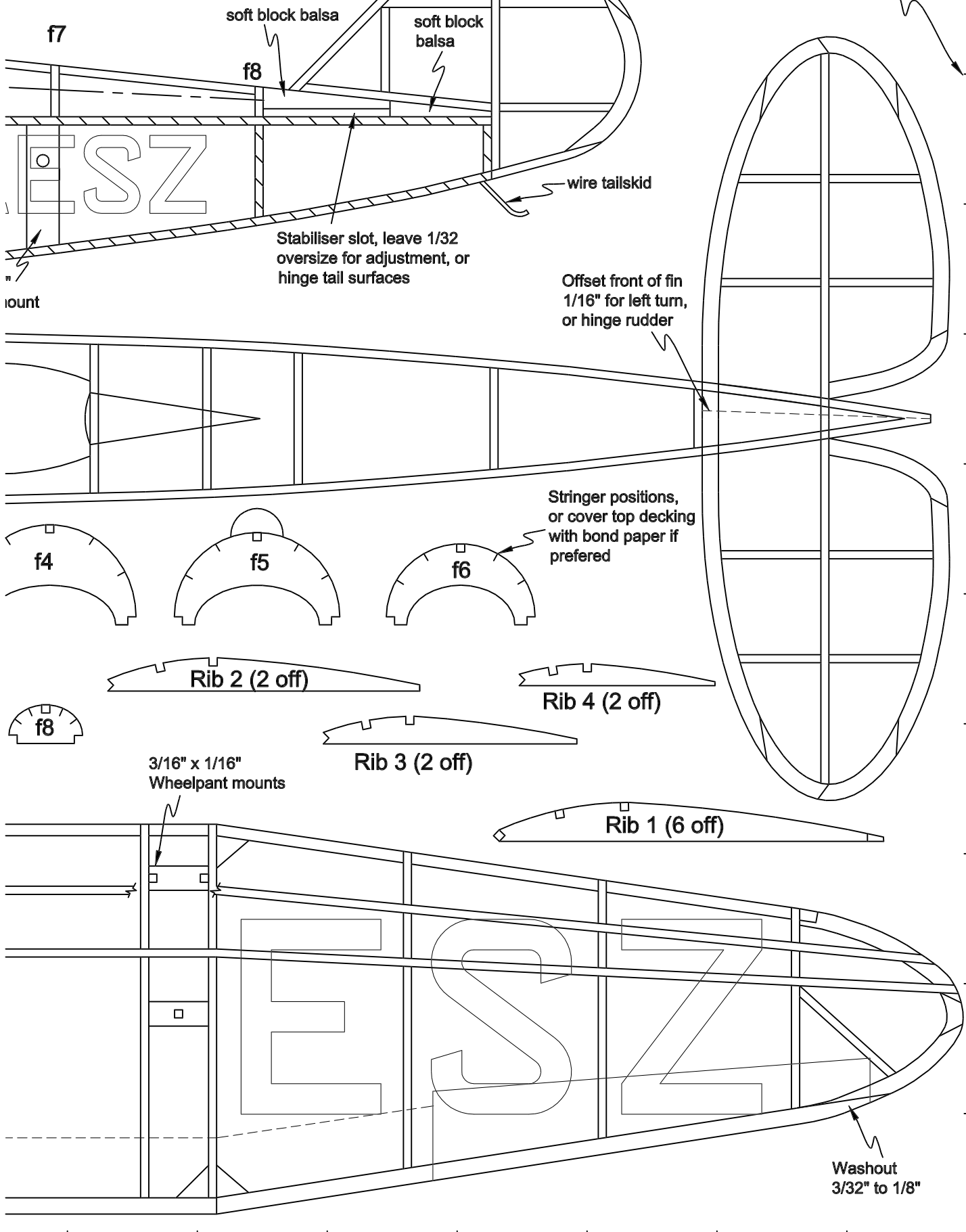




cheme  
Wings, wheelpants & tail surfaces, fuselage Reg.No  
iselage, Wing Reg. Nos

e details see the Chilton Website  
ww.nerou.pfanet.co.uk/

These are inches  
If you want a 16" span model and  
these do not measure whole  
inches, now would be an ideal  
time to rescale your drawing



f7

soft block balsa

soft block balsa

f8

wire tailskid

Stabiliser slot, leave 1/32  
oversize for adjustment, or  
hinge tail surfaces

Offset front of fin  
1/16" for left turn,  
or hinge rudder

Stringer positions,  
or cover top decking  
with bond paper if  
preferred

f4

f5

f6

Rib 2 (2 off)

Rib 4 (2 off)

f8

Rib 3 (2 off)

Rib 1 (6 off)

3/16" x 1/16"  
Wheelpant mounts

Washout  
3/32" to 1/8"