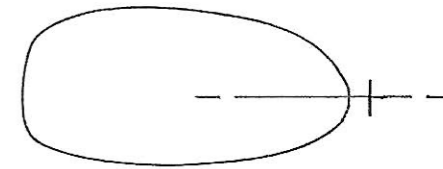


The deHavilland dH88 Comet was designed to enter the London-Melbourne Centenary Air Race in 1934. DeHavillands designed and built the Comet in just 10 months and it first flew 8 days before the race. The three famous Comet entries were the red G-ACSS 'Grosvenor House', the black G-ACSP 'Black Magic' and the un-named green G-ACSR. *Grosvenor House* won the 11,300 mile race in an elapsed time of 70 hours and 54 minutes. A further two Comets were built making a total of five aircraft. G-ACSS later raced under other names but was restored to its red scheme and now resides in Old Warden as part of the Shuttleworth Collection.

Prop diameter approx. 3.6" (trim to clear fuselage)

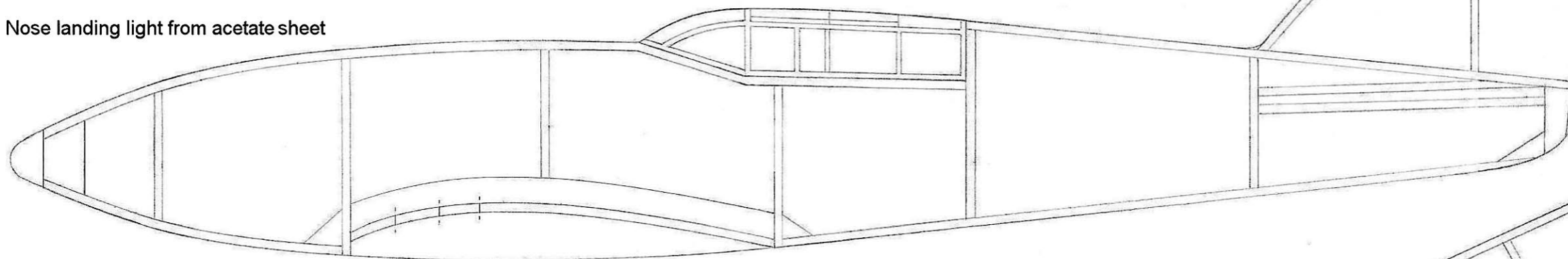
Prop Blade template



Prop blades from 1/32 balsa
Wet mould on a can at 15 degrees
Pitch 27 degrees at 75% prop radius

Cockpit canopy from acetate sheet
Canopy frame from strips of tissue

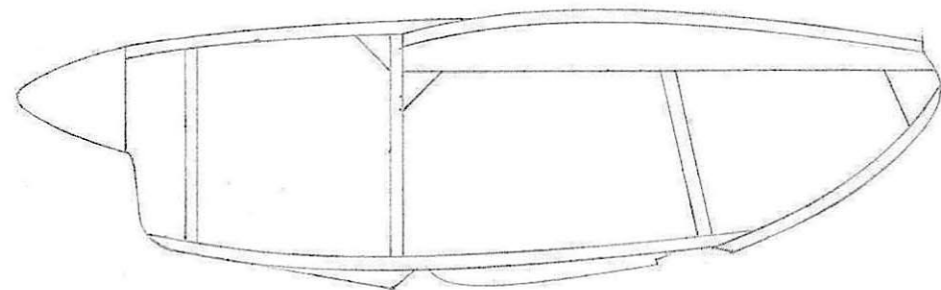
Nose landing light from acetate sheet



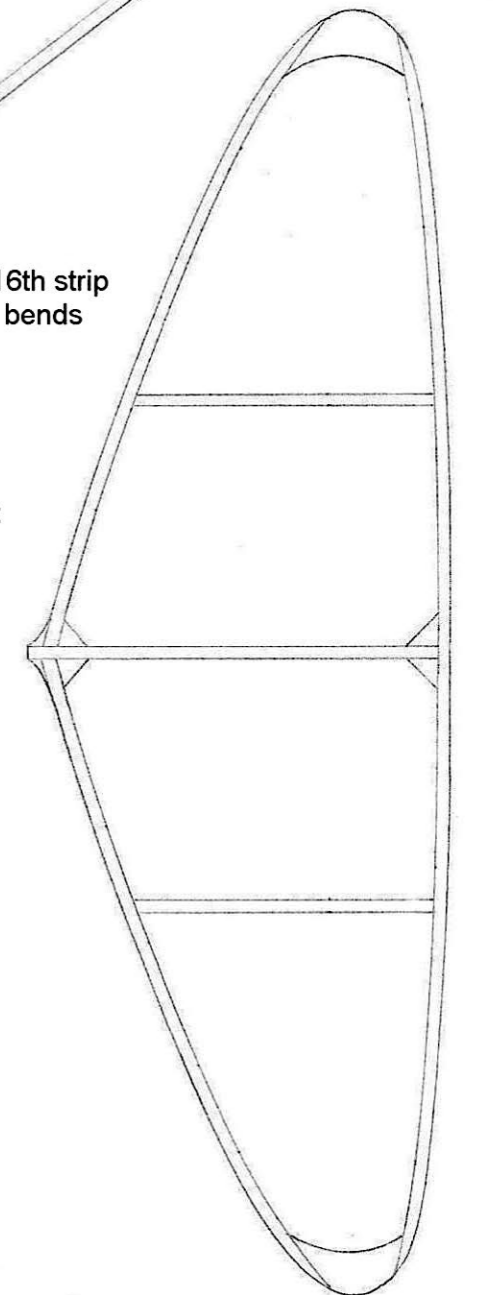
Wing Rib template: marks show LE positions
Trim rear portion to fit TE

Wing fillets: add after assembly of wing & fuselage
Add 1/16th strips to anchor tissue

Engine Nacelles:
2 off. Build one over the other



Soak 1/16th strip
to form bends



Small fillets at
tailplane and fin root:
glue in small gusset
and sand to shape

Prop hanger from thin aluminium



Rear hook from
24 s.w.g. piano wire

Motor Sticks: 1/8" x 3/16" x 5"
(extend for better duration)

Bind and glue
prop hanger
and rear hook to
motor stick

Prop shafts
from 24 s.w.g.
piano wire

Suggested
pin stop to
hold props
until released

1" Dihedral under each wing tip

Use dihedral template to angle wing root and engine nacelle ribs

dH88 Comet No-Cal

Designed and drawn by Jon Whitmore

2012

Wing Span:

18"

Wing Area

38.8 in²

Prototype Weight:

4.4 grams

All wood 1/16th square or sheet unless stated.

Dimensions for scaling:

Wing span

457mm

Fuselage length

303mm

Engine Nacelles

112mm

Tailplane Span

168mm