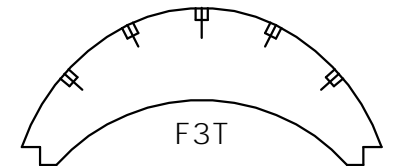
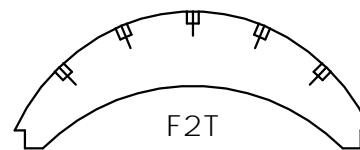
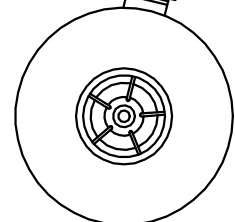
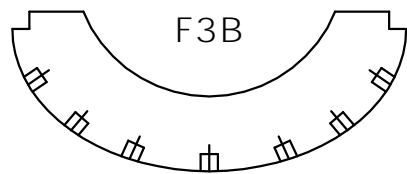
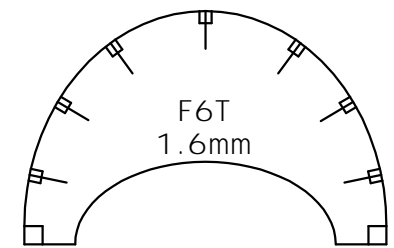
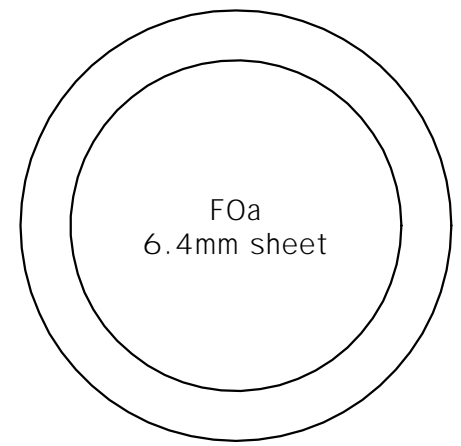
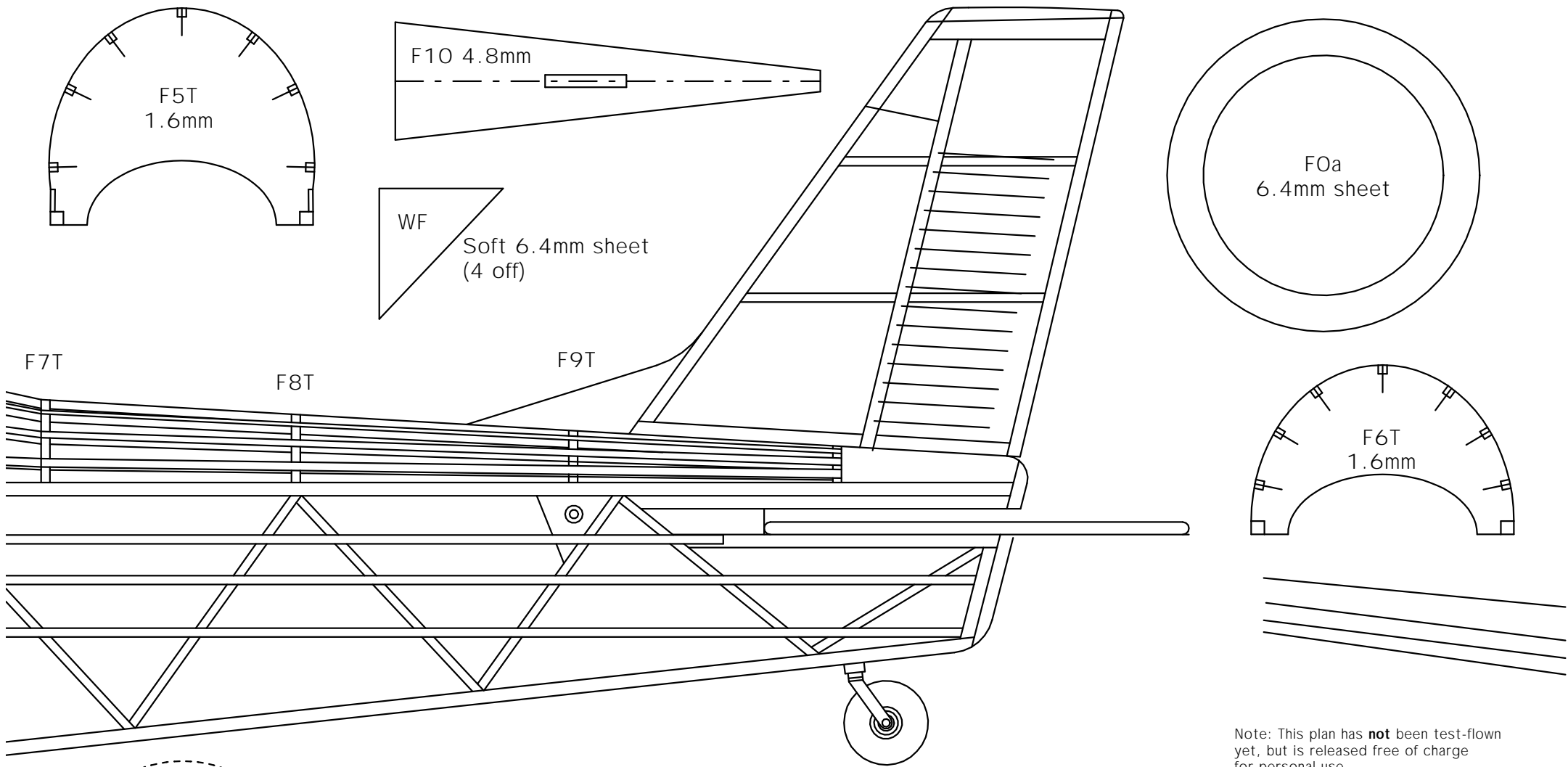


Position of WF fillet pieces.  
Sand WF and F11 to shape  
to match contour of F3B

Fuselage framework from 2.4mm square  
(shown grey). Diagonal bracing  
2.4 x 1.6mm.

6" or 7" Prop





Note: This plan has **not** been test-flown yet, but is released free of charge for personal use.

Metric conversions:

- 0.8mm 1/32"
- 1.6mm 1/16"
- 2.4mm 3/32"
- 3.2mm 1/8"
- 4.8mm 3/16"
- 6.4mm 1/4"

Sheet 5 of 6

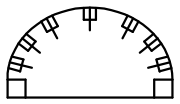
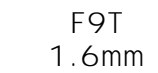
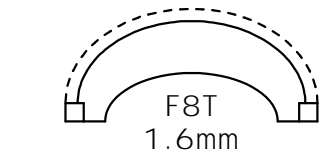
**Yeoman Aviation Cropmaster Metal Tail Testbed VH-AIV**

A rubber powered flying scale model of a 1950's Australian cropduster

Dimensions:	Prototype:	Model:
Span:	10.36 m	610 mm (24")
Length:	8.08 m	443 mm (17.5")
Wing area:	16.50 m <sup>2</sup>	5.70 dm <sup>2</sup> (88.4 in <sup>2</sup> )
Weight:	1,542 kg	70 g (2.5 oz)
Wing loading:	19.1 lb/ft <sup>2</sup>	12.28 g/dm <sup>2</sup> (4.0 oz/ft <sup>2</sup> )
Power:	250 hp	2 loops 3.2 x 600 mm
Scale:		1 : 17

Model designed by  
Derek Buckmaster  
December 2002

© D Buckmaster 2002  
e-mail:  
derekb@unite.com.au



Fill this section with sheet to support landing gear mounts at W1, W2 and W3

Typical sliced rib section

W4

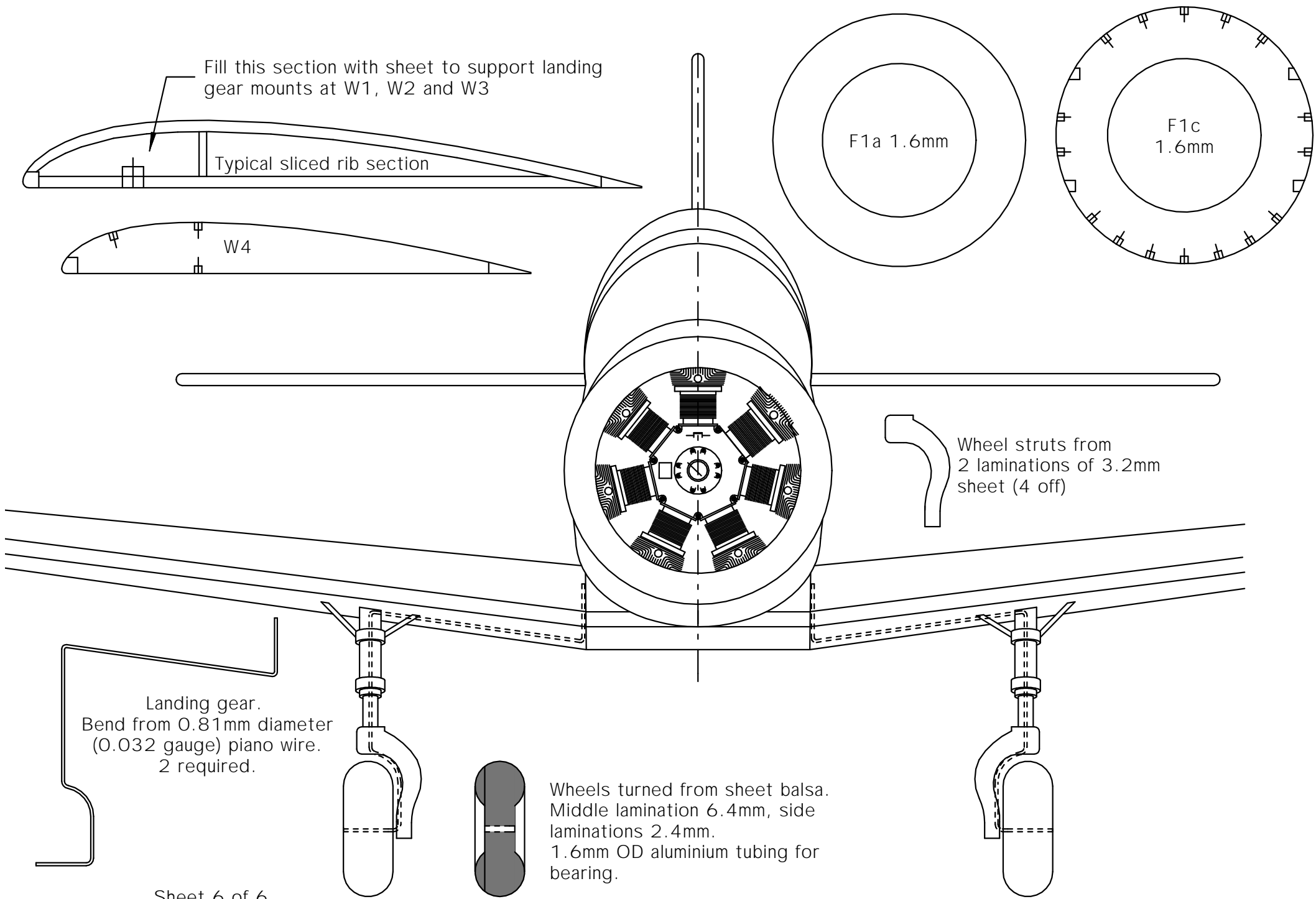
F1a 1.6mm

F1c 1.6mm

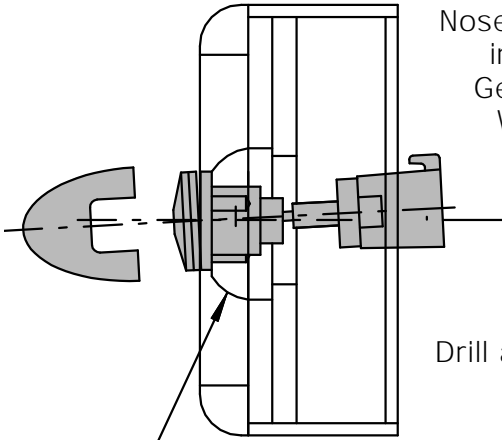
Wheel struts from 2 laminations of 3.2mm sheet (4 off)

Landing gear.  
Bend from 0.81mm diameter (0.032 gauge) piano wire. 2 required.

Wheels turned from sheet balsa. Middle lamination 6.4mm, side laminations 2.4mm. 1.6mm OD aluminium tubing for bearing.

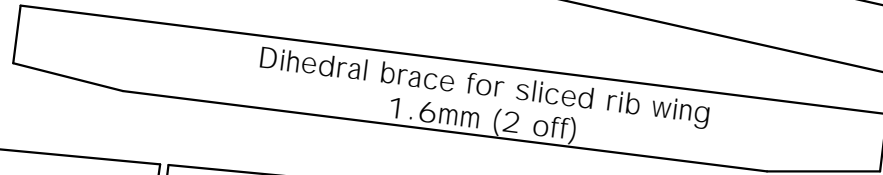
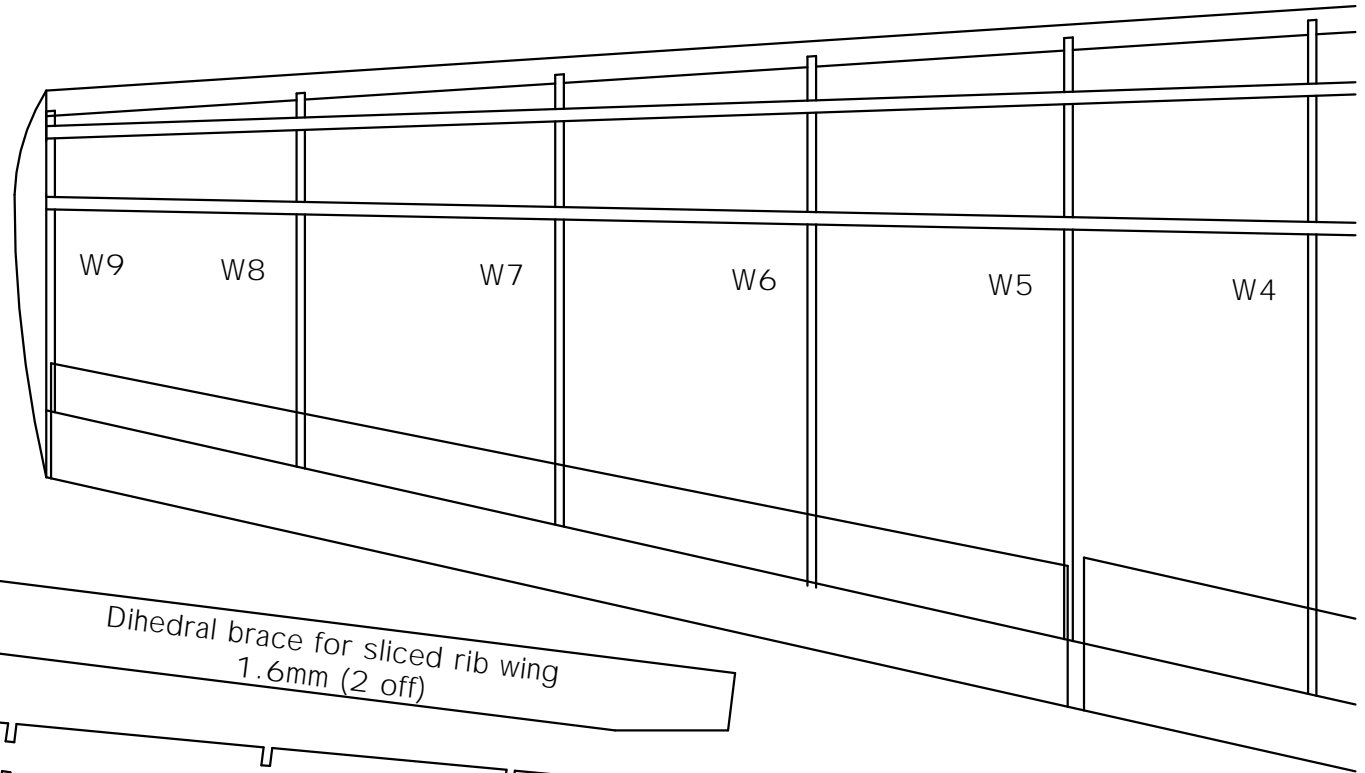
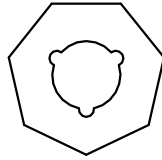


Nose construction showing  
installation of Gizmo  
Geezer Precision Free  
Wheeler front end.

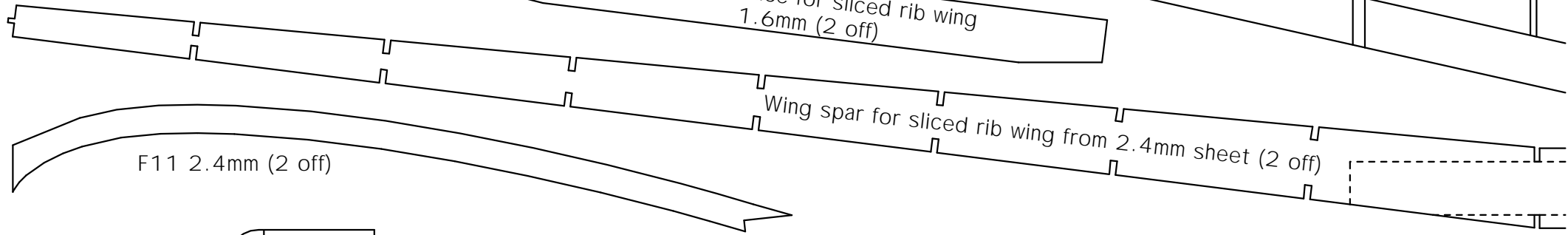


Drill a 13mm diameter  
hole in FOa.

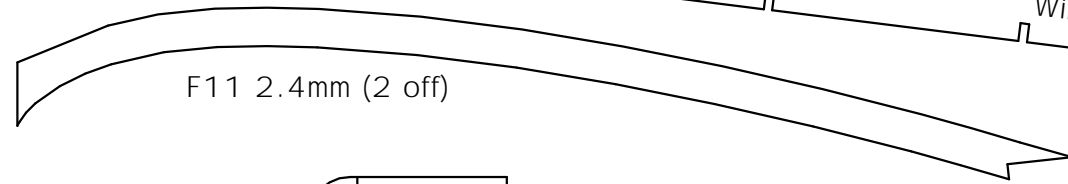
Dummy crank-  
case from  
4.8mm sheet



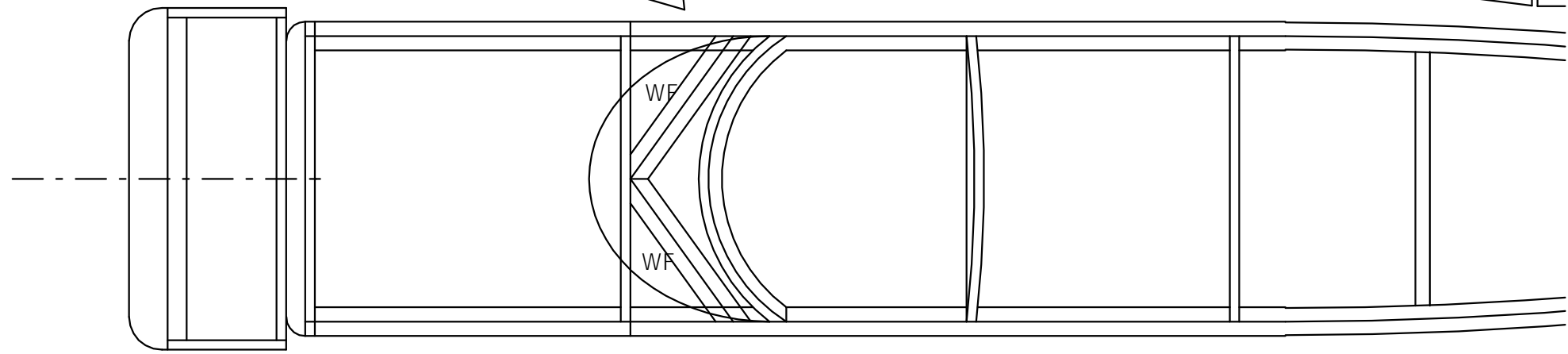
Dihedral brace for sliced rib wing  
1.6mm (2 off)



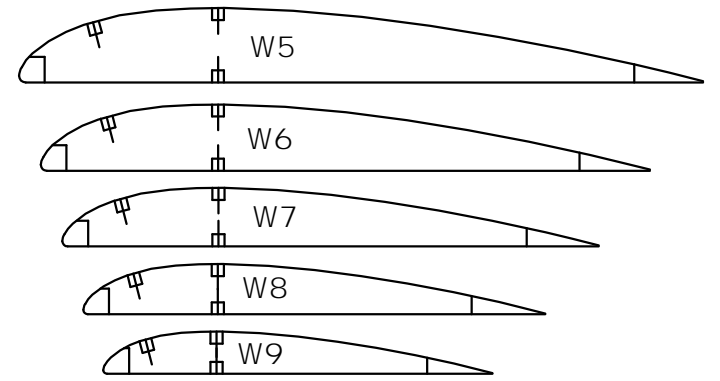
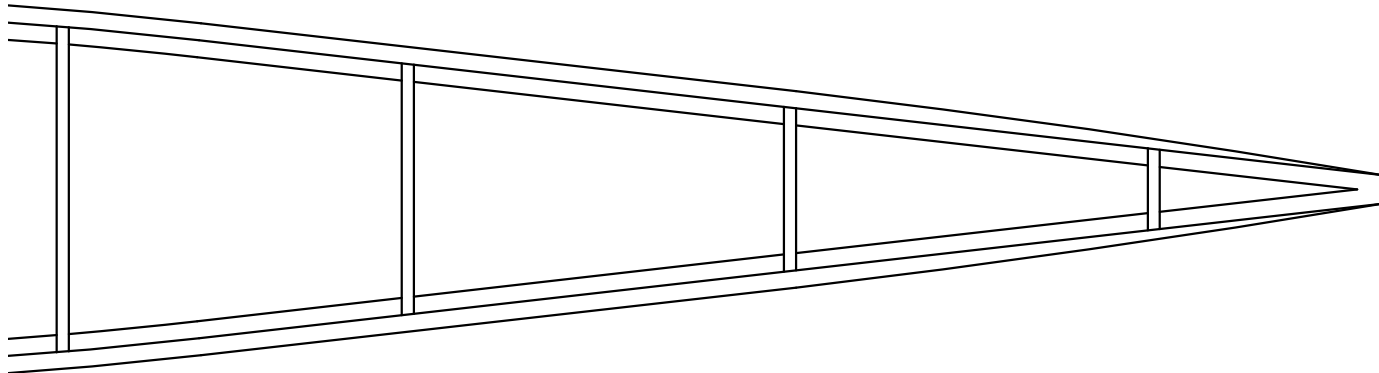
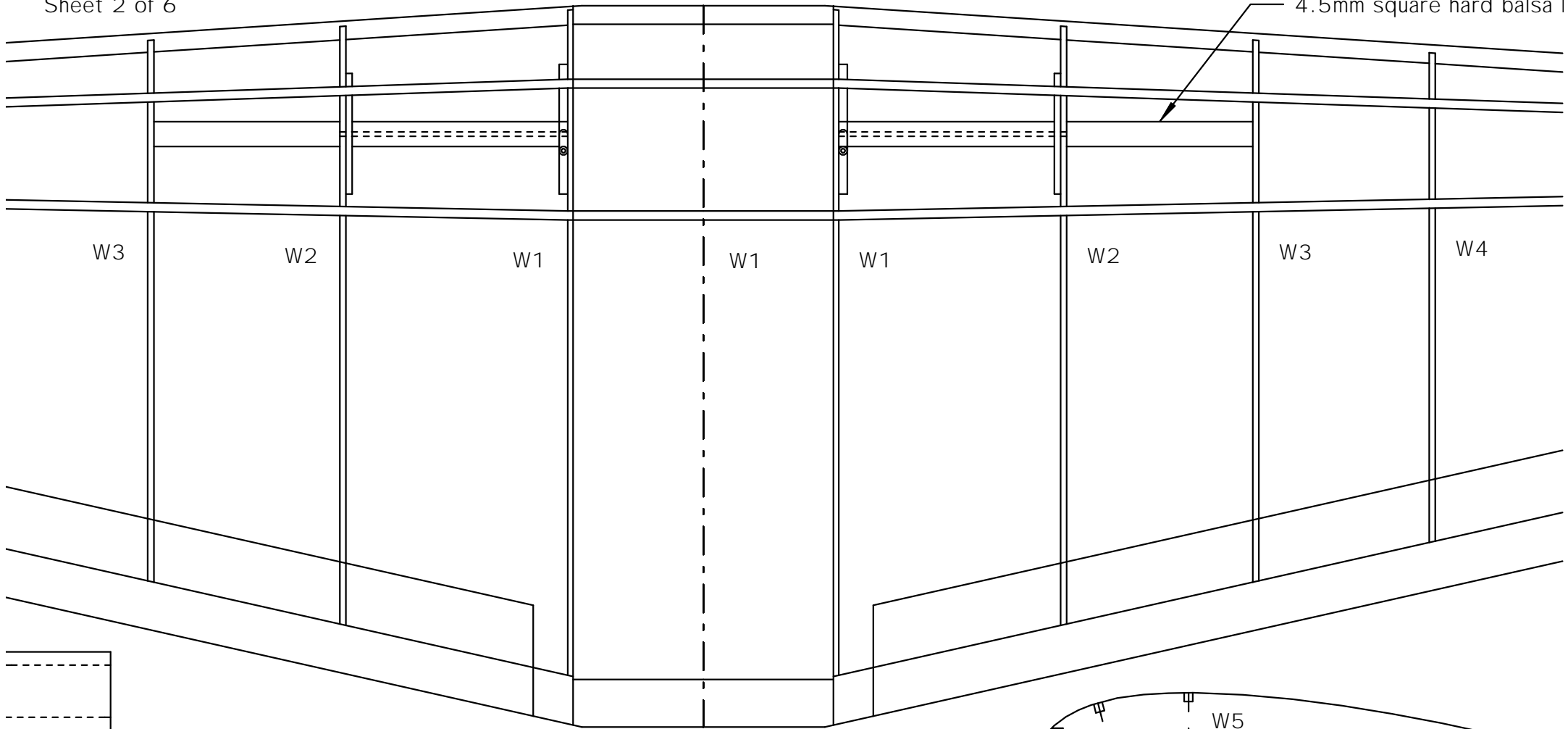
Wing spar for sliced rib wing from 2.4mm sheet (2 off)



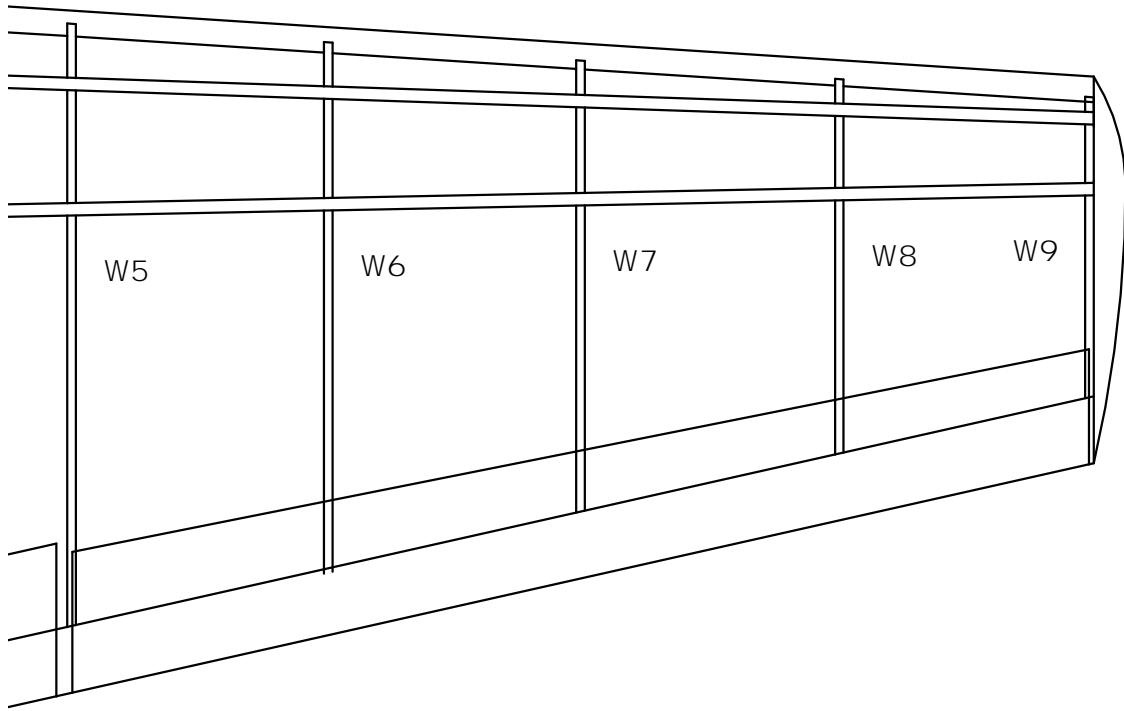
F11 2.4mm (2 off)



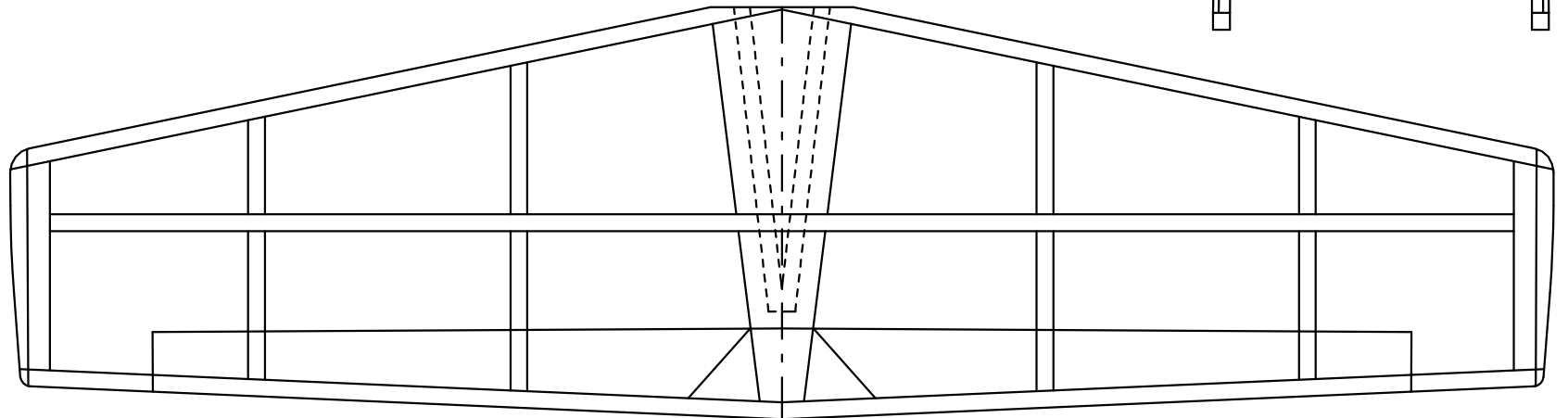
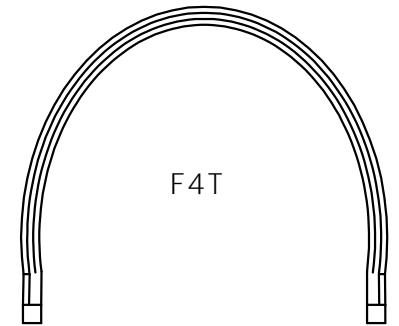
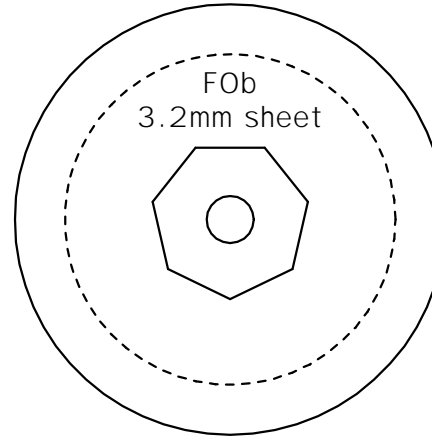
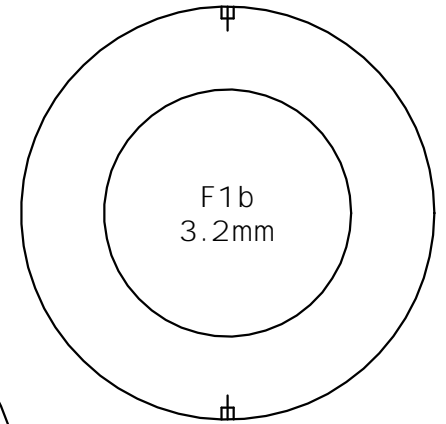
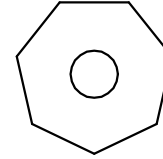
4.5mm square hard balsa



All wing ribs from 1.6mm sheet



Dummy crank-case  
4.8mm sheet



Tail plane constructed  
from 2.4mm square strip  
and 2.4mm sheet



Template for sliced wing ribs 1.6mm.  
Trim from rear to match chord at each  
rib location.