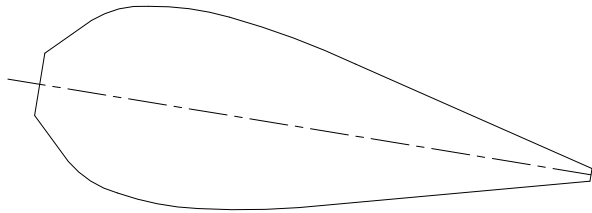
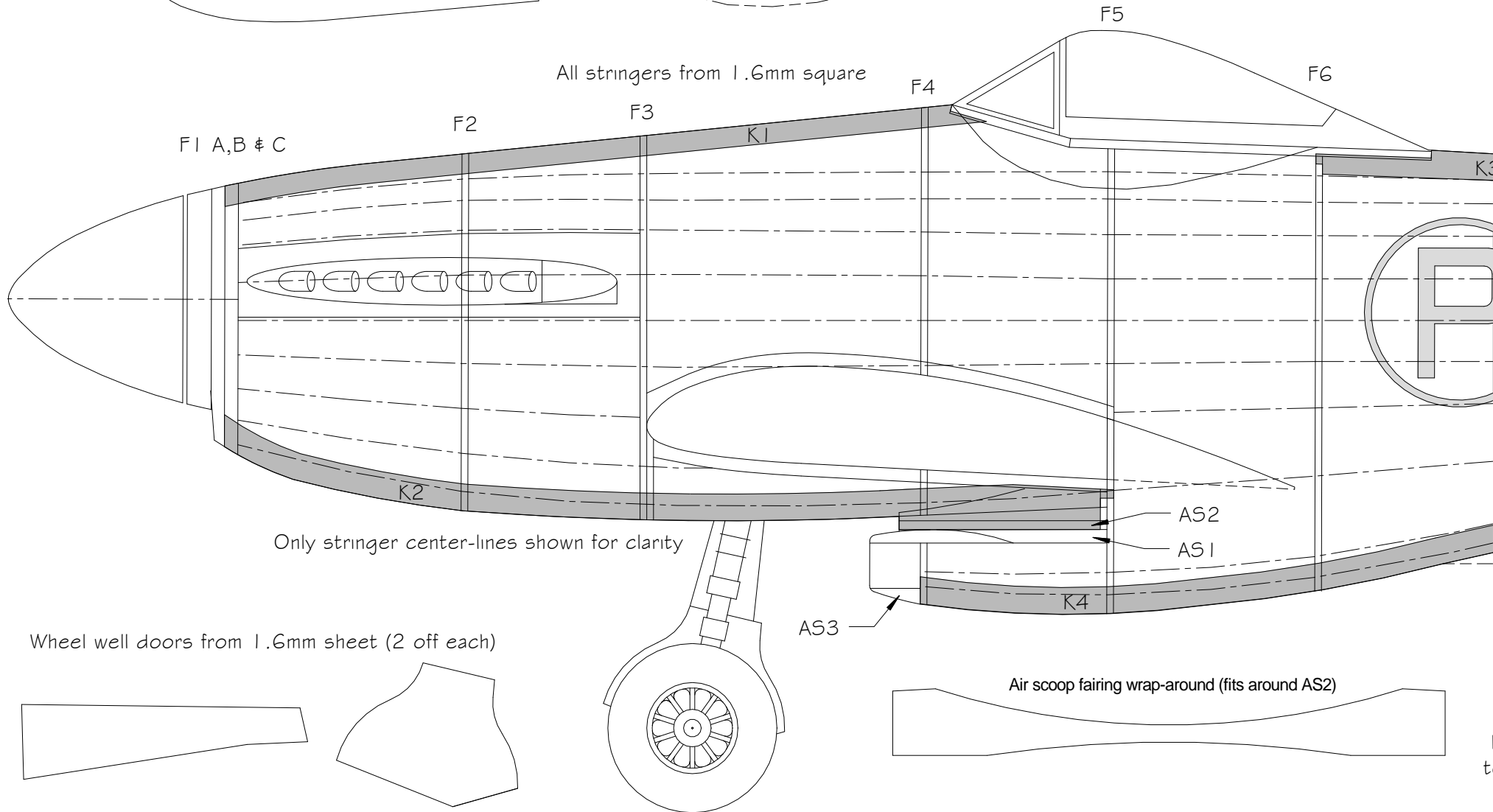
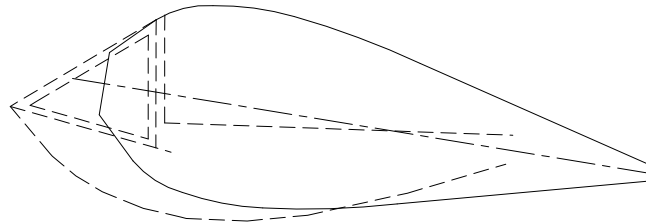


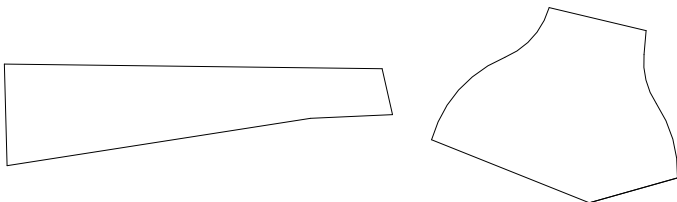
Canopy is thermoformed over a male tool.
 Canopy cross-section is circular - start
 by turning up this blank using a hand-drill
 or drill press.



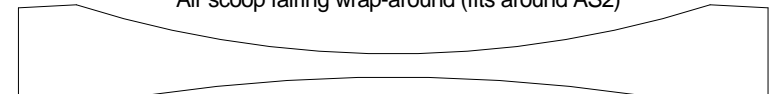
Then add flat sections to front and
 extend flanks downward
 to complete canopy form.



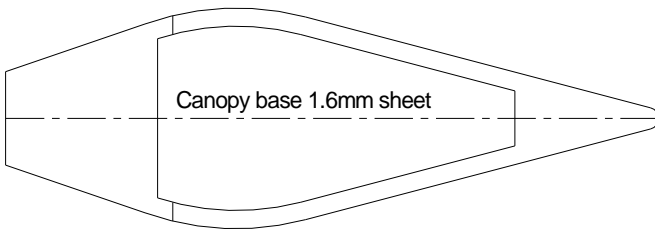
Wheel well doors from 1.6mm sheet (2 off each)



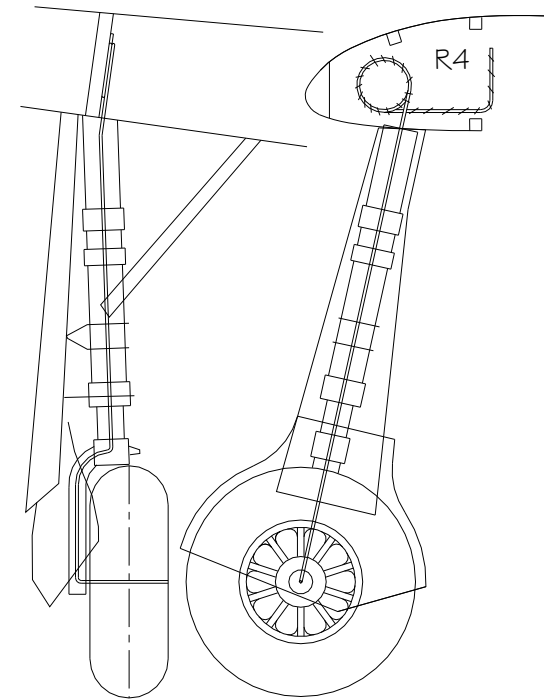
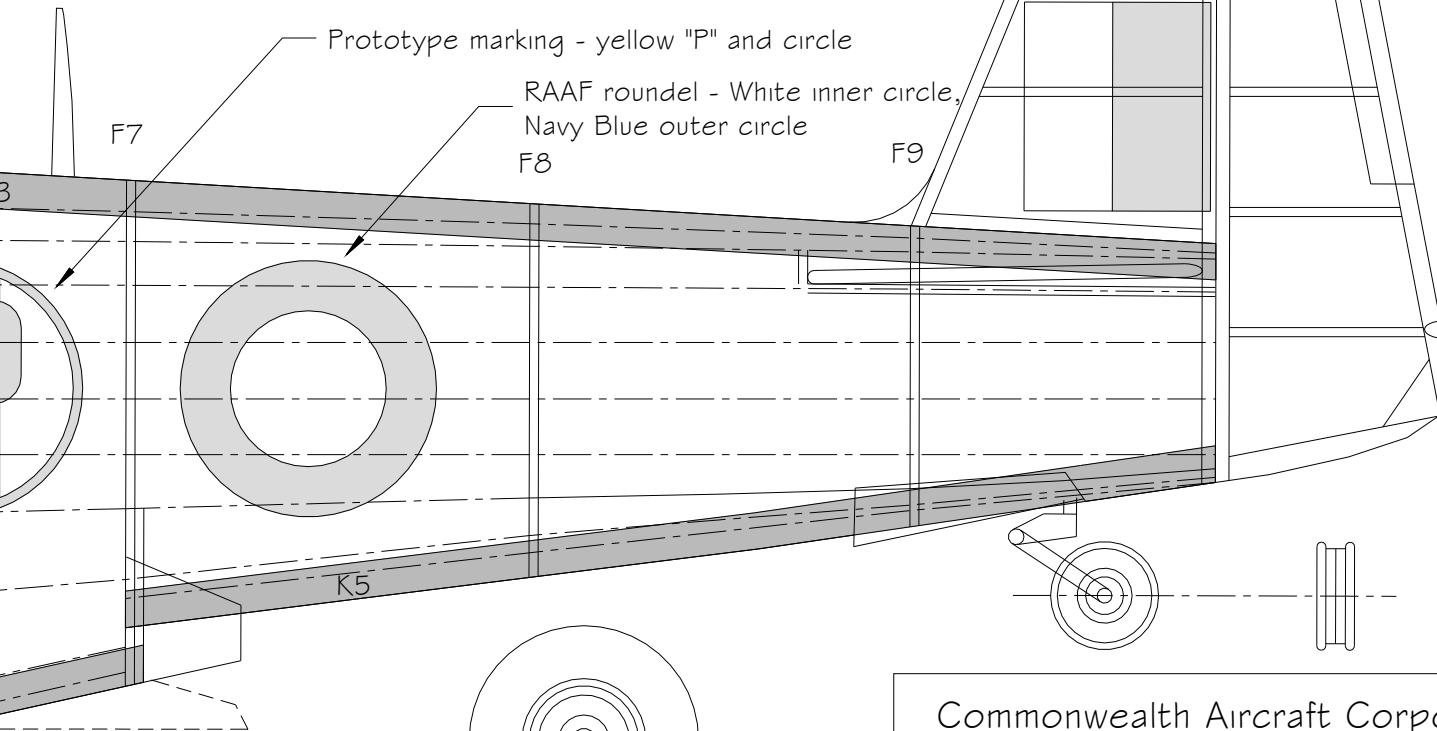
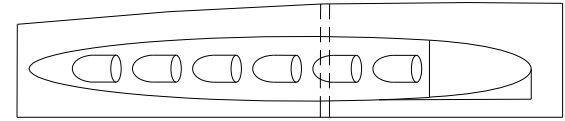
Air scoop fairing wrap-around (fits around AS2)



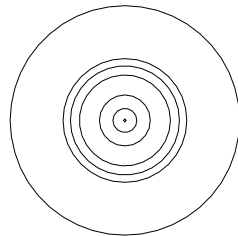
Cut exhaust troughs from 6.4mm sheet and sand to match curve of formers F1C, F2 and F3.



Tail fin construction:
LE, TE & Spar - 1.6mm square
Ribs - 1.6x0.8mm strip



Front view Inboard profile



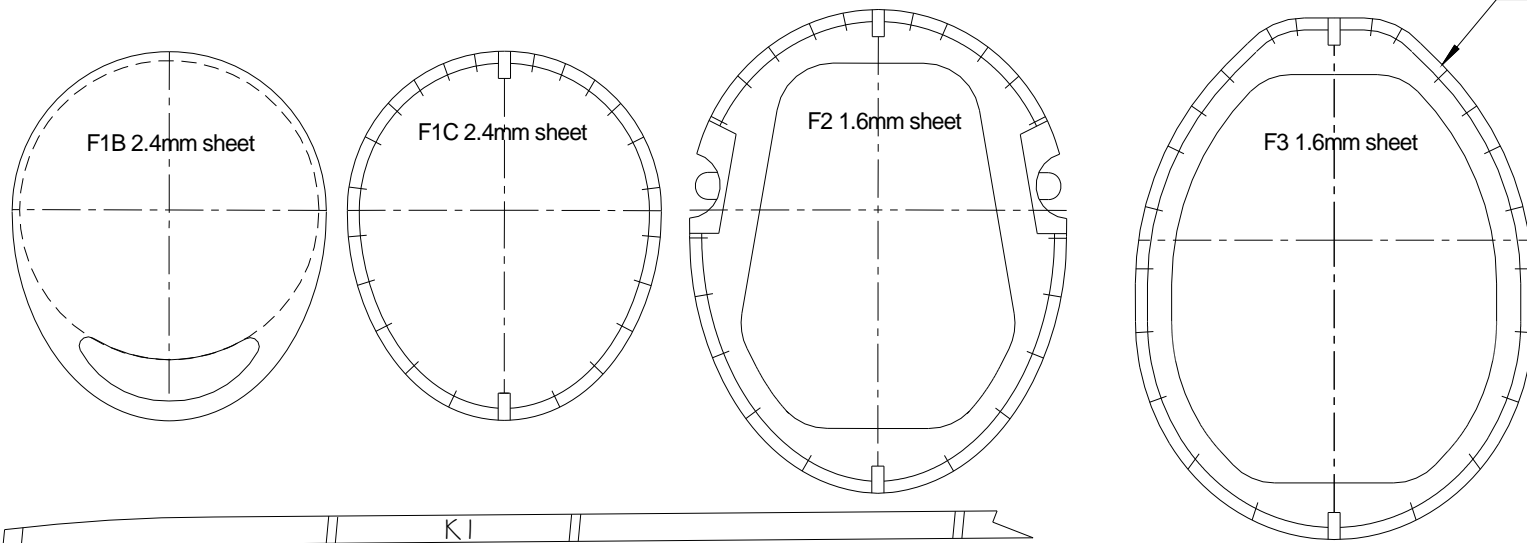
Outboard wheel profile

Commonwealth Aircraft Corporation CA-15

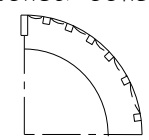
Dimensions:	Prototype:	Model:
Span:	10.97m	458mm (18.0 in)
Length:	11.03m	460mm (18.1 in)
Wing area:	23.5 sq. m	3.47 dm ² (53.8 in ²)
T/O Weight:	4,882 kg	g
Scale:		1 : 24

Model designed by Derek Buckmaster ©2001

Note: this drawing was originally drawn at 1:18 scale, and scaled to 1:24. Some balsa sizes may appear oversized. Use 1.0mm sheet (or 1/20th) in places where 1.6mm sheet is called for.

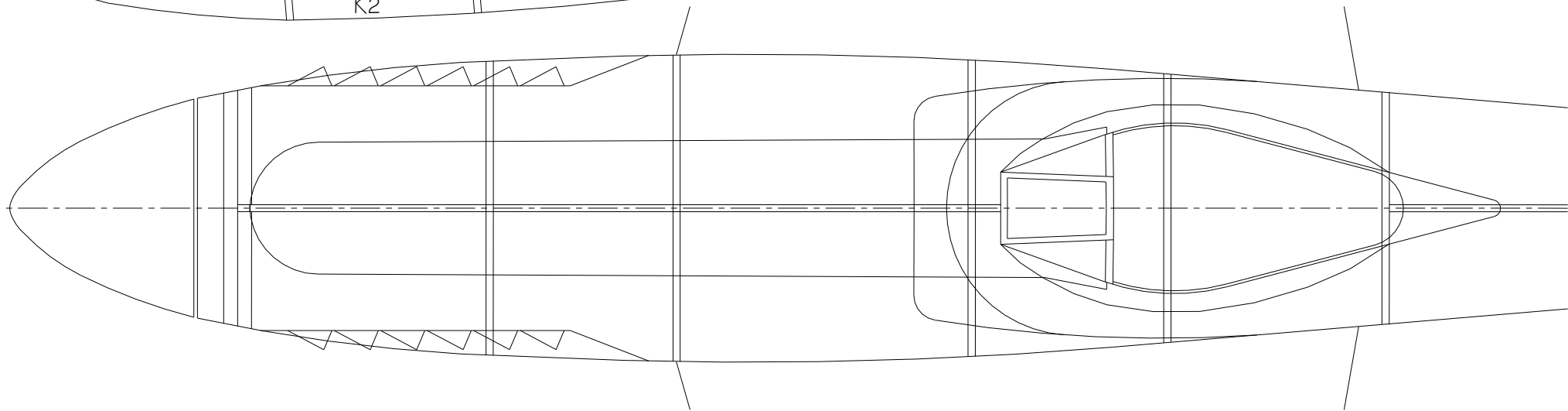
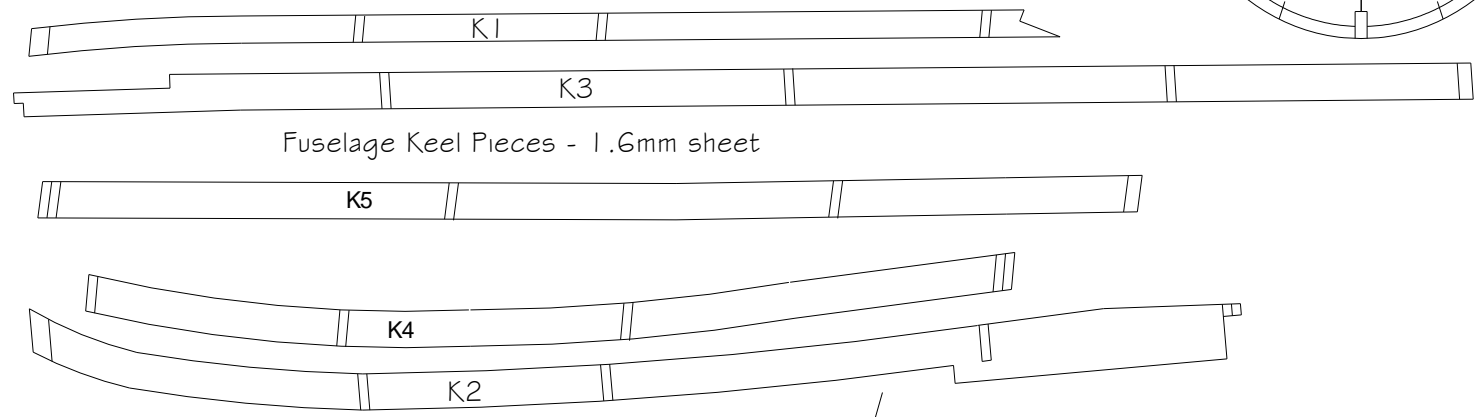
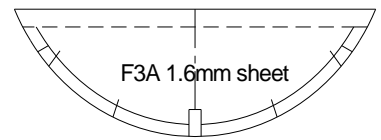


Cut formers to the outside line for "notched" construction

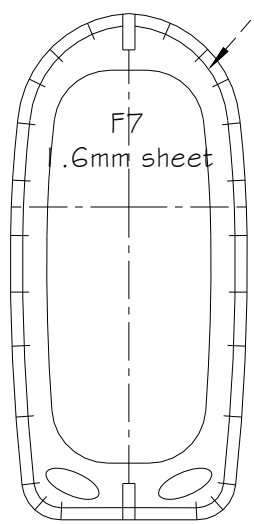
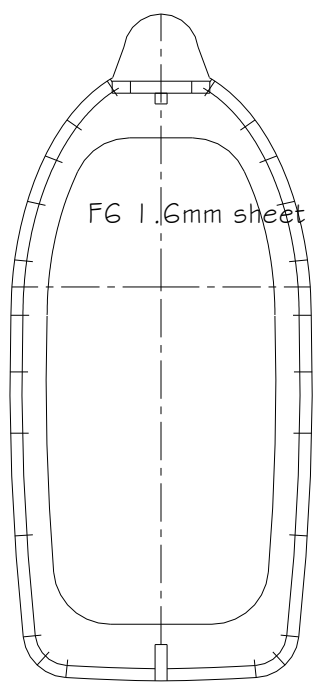


Example of "notched" construction showing stringers set into form

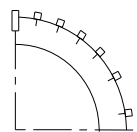
Former can be "scalloped" between stringers once glue has dried (to prevent the "starved horse" look)



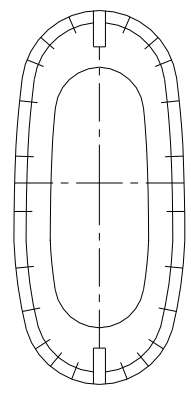
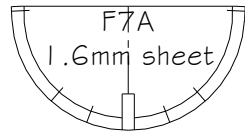
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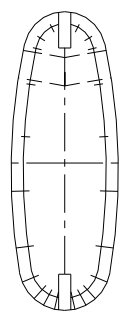
Cut formers to inside line for "un-notched" construction



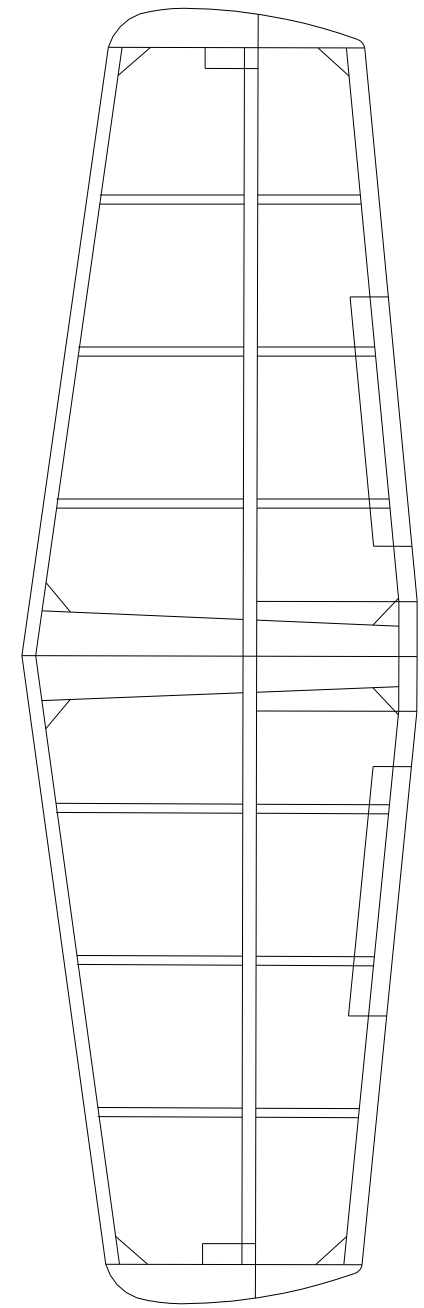
Example of "un-notched" construction showing stringers on top of formers.



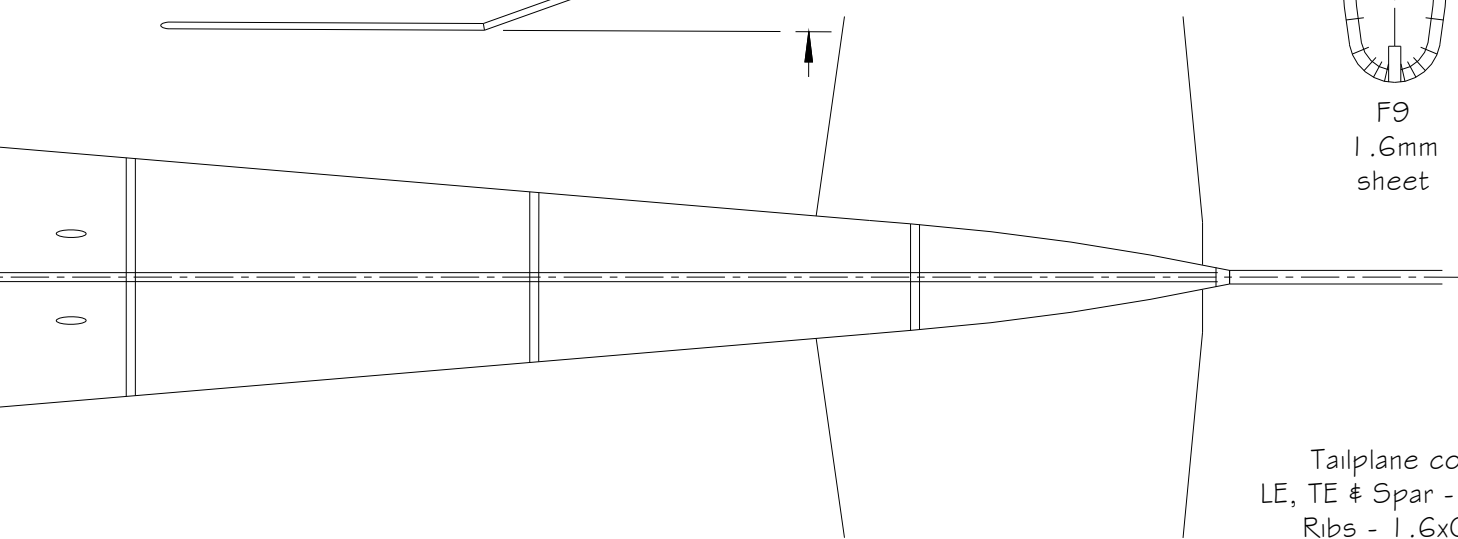
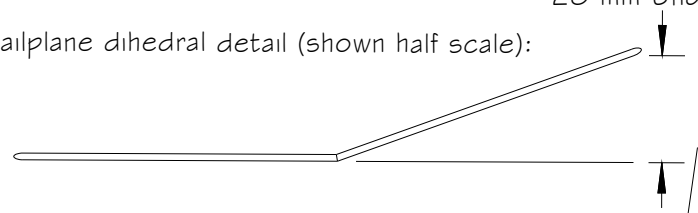
F8
1.6mm sheet



F9
1.6mm sheet

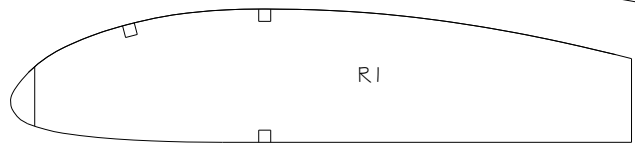
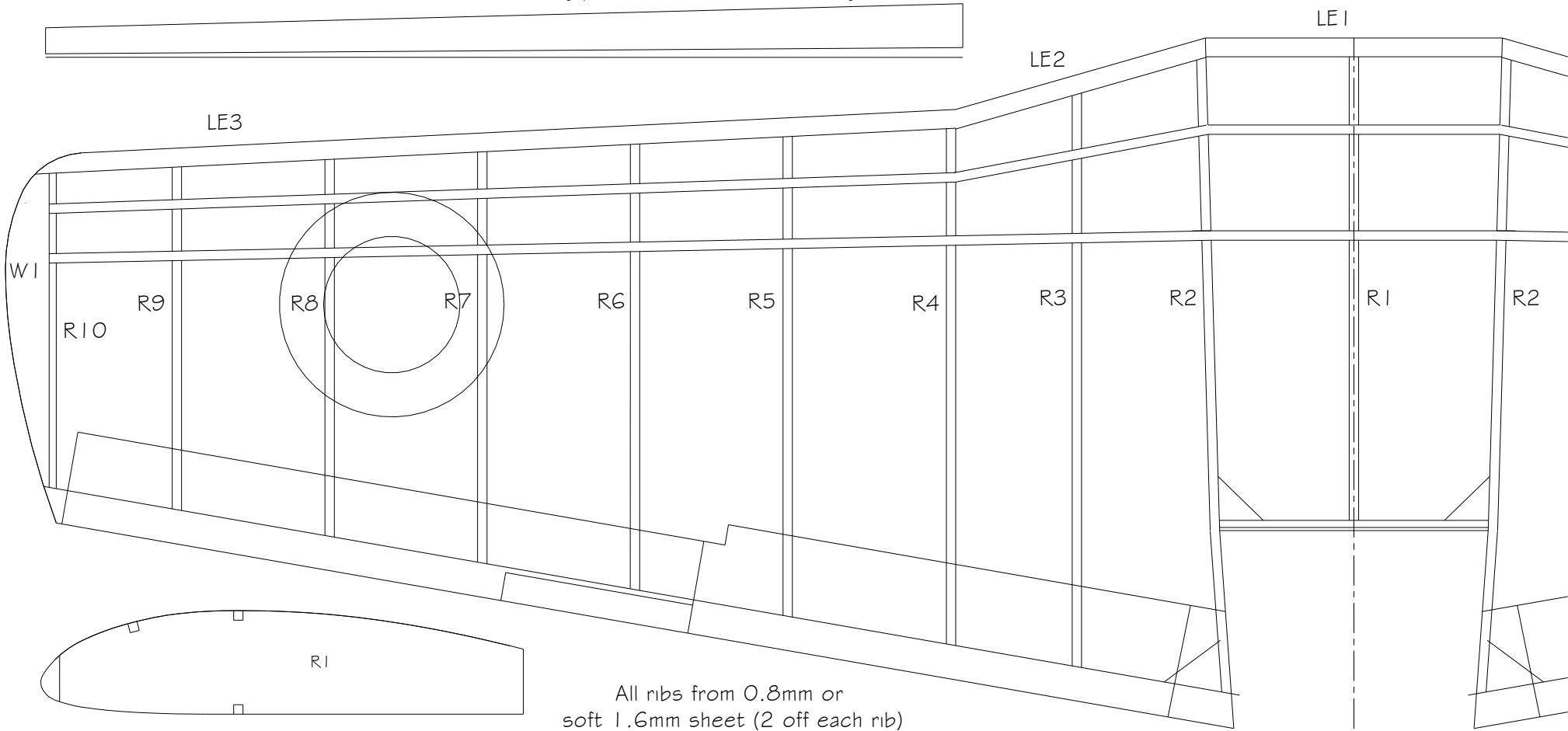


Tailplane dihedral detail (shown half scale):
28 mm Under tip

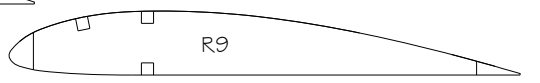
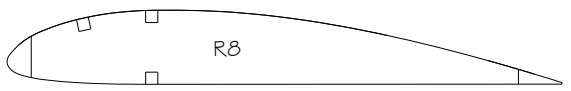
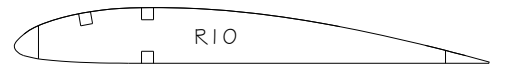
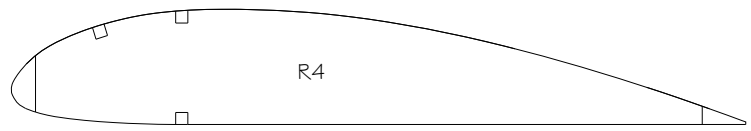
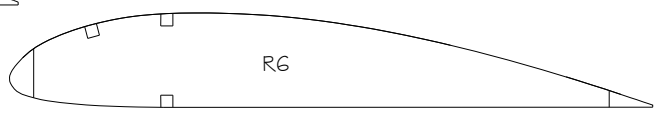
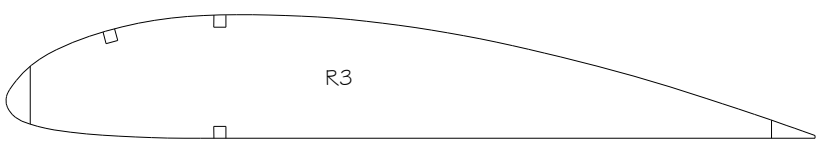
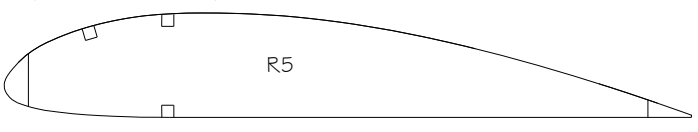
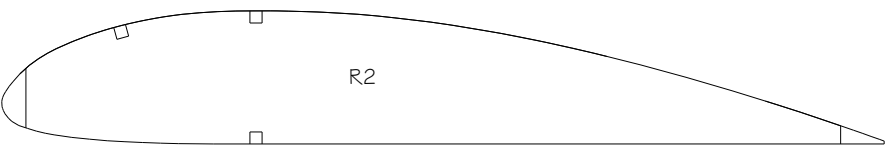


Tailplane construction:
LE, TE & Spar - 1.6mm square
Ribs - 1.6x0.8mm strip

LE3 3.2mm (2 off) Showing position relative to building board



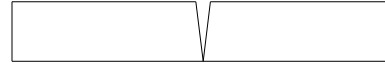
All ribs from 0.8mm or soft 1.6mm sheet (2 off each rib)



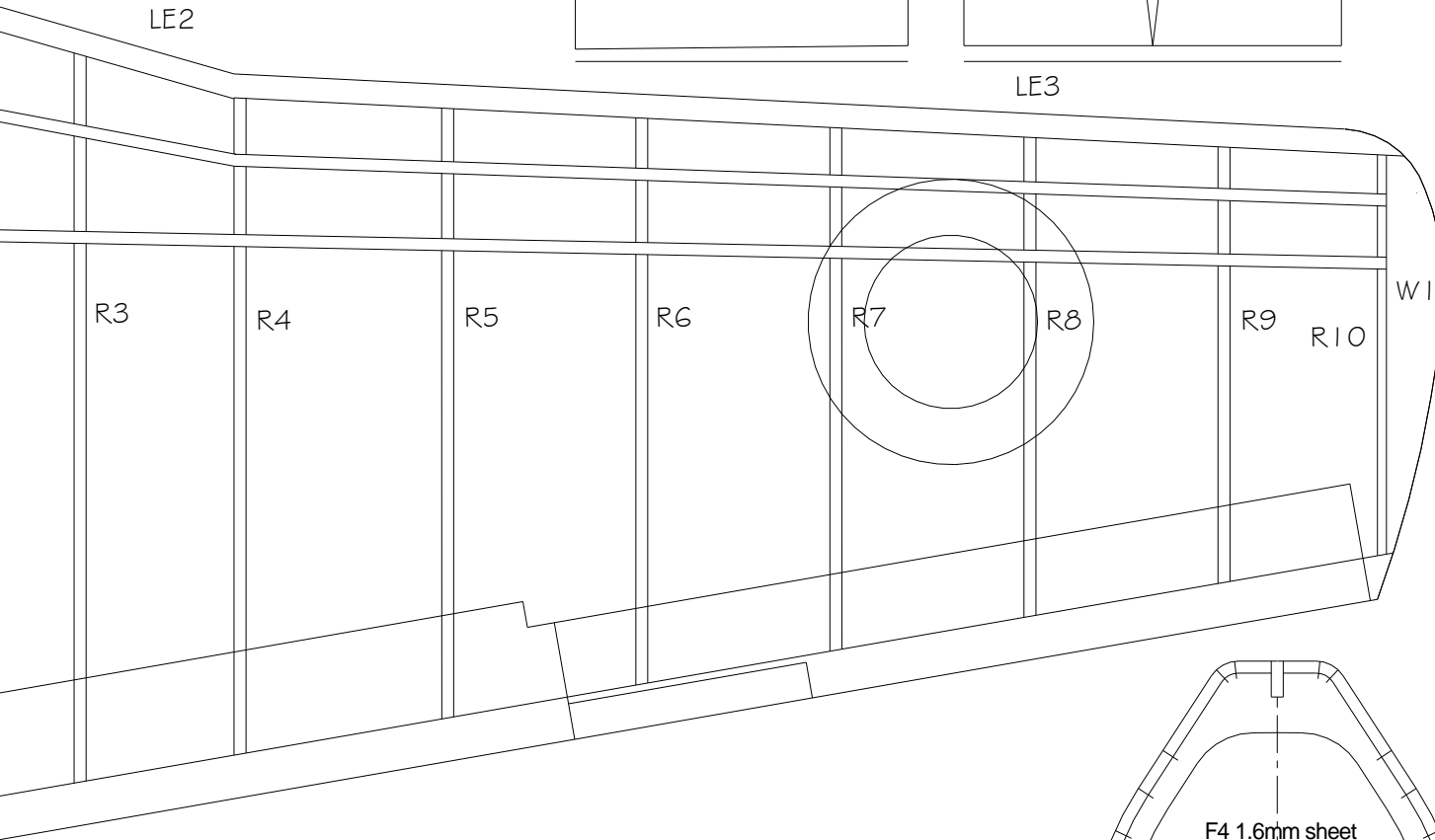
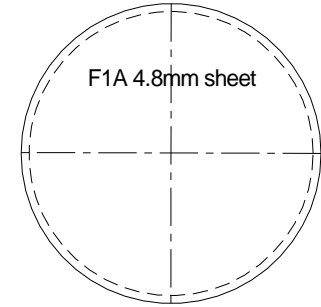
LE2 3.2mm (2 off) Showing position relative to building board



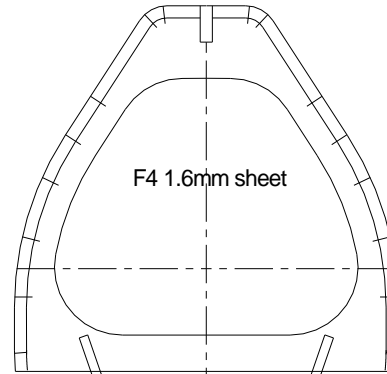
LE1 3.2mm (2 off) Showing position relative to building board



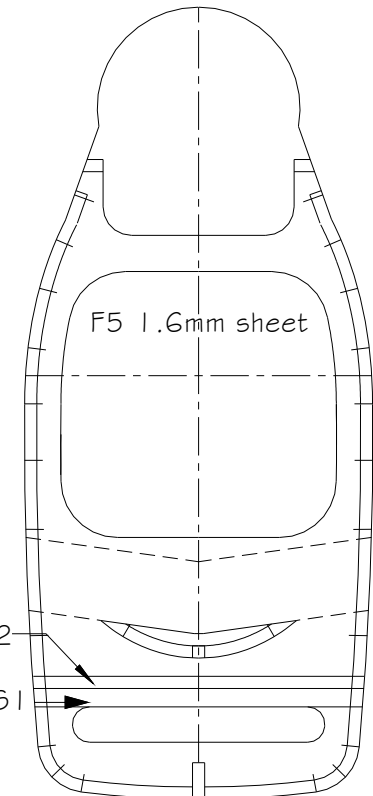
F1A 4.8mm sheet



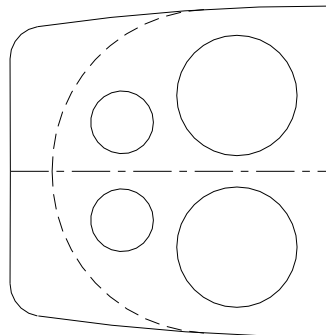
F4 1.6mm sheet



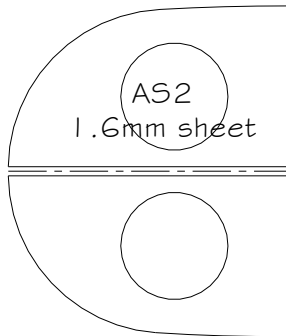
F5 1.6mm sheet



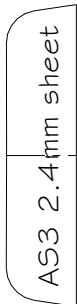
AS1 Air scoop top 2.4mm soft sheet



AS2 1.6mm sheet



AS3 2.4mm sheet



W1



AS2

AS1

