Wing Dowels 2 off 6mm. Mark off from F2.

Ply Brace

A

1mm ply reinforcement for slot

Ply Brace

Servo Ext. Outlet. Top Only.

Drill 6mm for wing bolts (2)

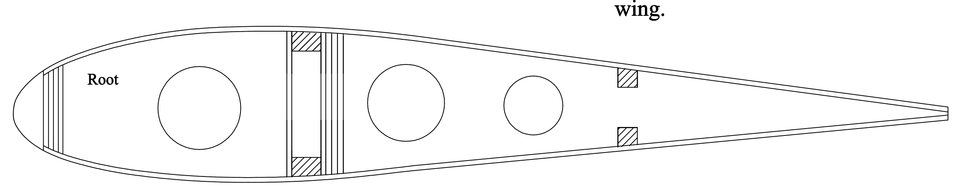
Ailerons built up as shown or from solid balsa, skin with 1.6mm and cut free after wing is completed. Make a note of the location BEFORE skinning. See section detail.

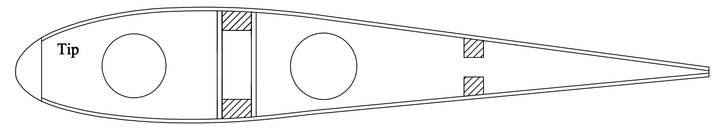
Ailerons. Operate with a servo in each wing.

3mm Hardwood insert for Aileron Horn.

1) Root rib NACA 63 0 18
2) Tip rib NACA 63 0 15
3) Dihedral Optional

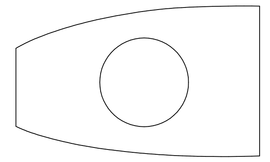
Wing Bolt reinforceing plate 1.6mm ply.
Seperate item or glue to u/side of wing.



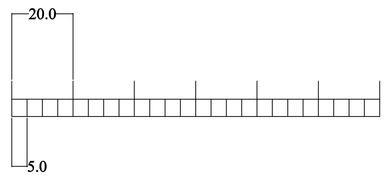


Lightening holes optional.

Riblet (not to scale)



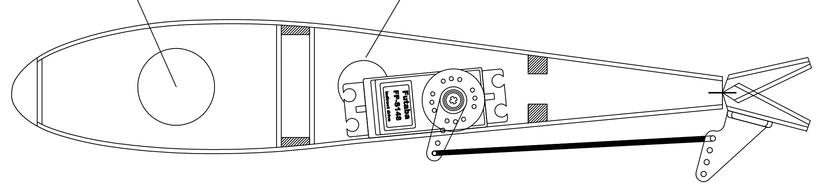
Full Size in mm



Cover Top & Bottom Surfaces with 1.6 mm (1/16") Hard Balsa Sheet.

Lightening holes optional.

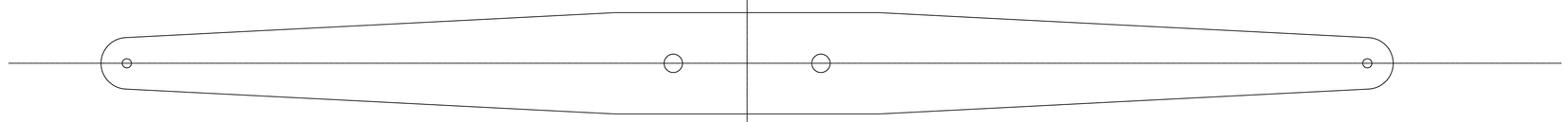
Holes for servo leads, ribs 2 - 6



Typical cross section of wing.
View A - Not to scale.

Riblets 1.6mm balsa.

Full size development of U/C
Form from 3mm Dural or use commercial unit.
Use 75mm wheels at 340mm track.



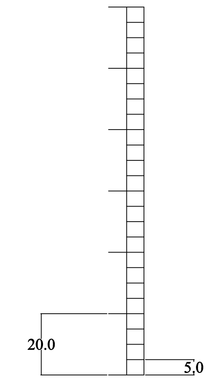
Note:- Build the wing with the top face down, and with 1.5° anhedral per panel, ie. 3° total. With the wing panels AFT of the spar flat to the building board washout is automatically built in.

Block Tips

For Control Throws see Sheet 1.

Dihedral 28.5 mm under each Tip.

Main Spars 6mm x 3mm Spruce



3° Washout at tip = 11mm packing at this point.

Wing Dihedral is 5° total measured on the underside of the wing.

Covering Note. It is JUST possible to cover the Wings and Tailplane using 1 x 2 metre roll of Profilm. Cut very carefully.

Hinge reinforcement blocks x 6

Use 2 x 6mm screws with large nylon washer.

Center Rib 6mm Ply, rest 3mm Balsa.

Drill 2 holes at 60mm cts. for wing dowels.
Spot thro' to F2

Chamfer to suit curve of l/e

Main Spar

87.5°

Dihedral Braces 6mm Marine Ply.
Lightening holes optional.

Killerwatt - Span 58 1/2" (1490mm)
Full size Metric AO paper
Drawn by Colin Usher November 2010
Revised 19th February 2012
Sheet 2 of 2