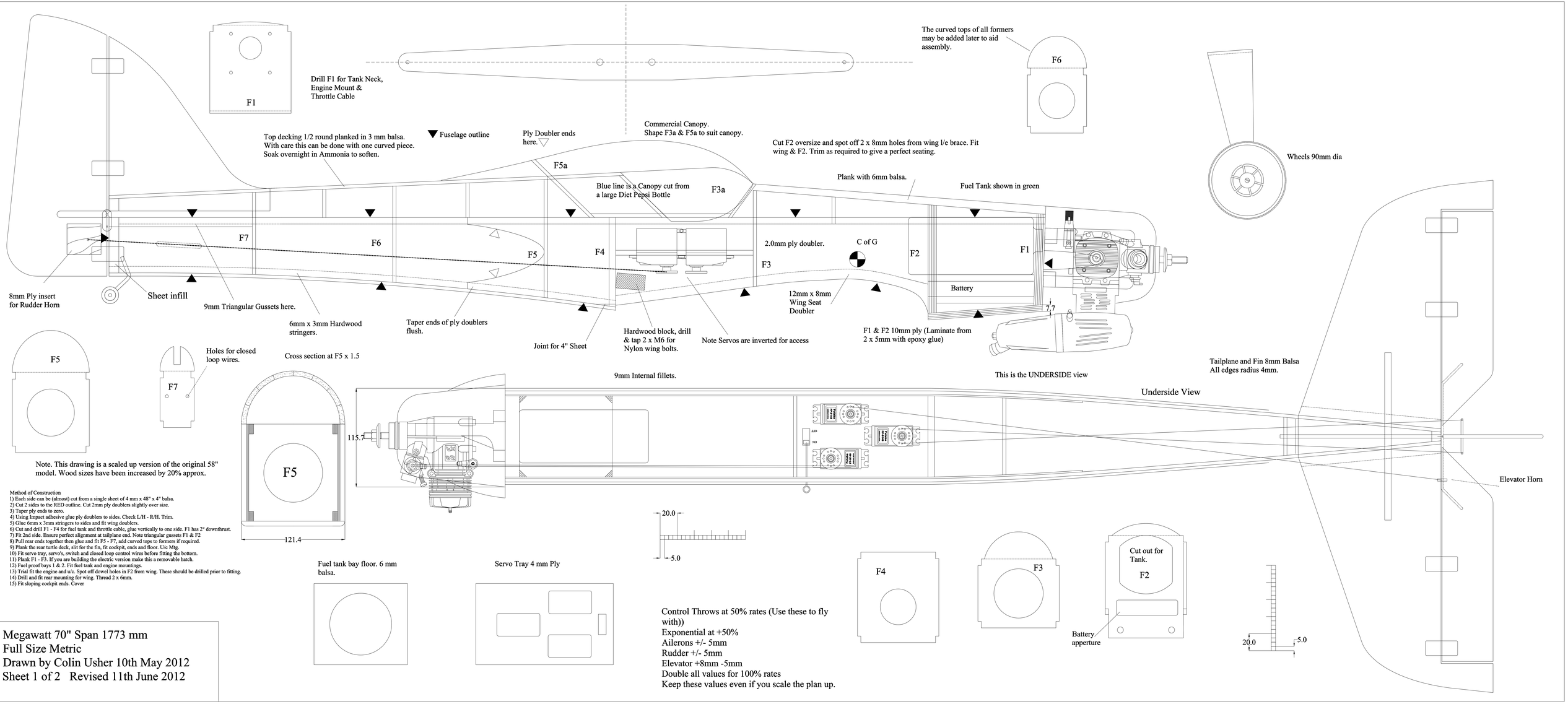

Note. This drawing is a scaled up version of the original 58" model. Wood sizes have been increased by 20% approx.

Method of Construction
1) Each side can be (almost) cut from a single sheet of 4 mm x 48" x 4" balsa.
2) Cut 2 sides to the RED outline. Cut 2mm ply doublers slightly over size.
3) Taper ply ends to zero.
4) Using Impact adhesive glue ply doublers to sides. Check L/H - R/H. Trim.
5) Glue 6mm x 3mm stringers to sides and fit wing doublers.
6) Cut and drill F1 - F4 for fuel tank and throttle cable, glue vertically to one side. F1 has 2° downthrust.
7) Fit 2nd side. Ensure perfect alignment at tailplane end. Note triangular gussets F1 & F2
8) Pull rear ends together then glue and fit F5 - F7, add curved tops to formers if required.
9) Plank the rear turtle deck, slit for the fin, fit cockpit, ends and floor. U/c Mig.
10) Fit servo tray, servo's, switch and closed loop control wires before fitting the bottom.
11) Plank F1 - F3. If you are building the electric version make this a removable hatch.
12) Fuel proof bays 1 & 2. Fit fuel tank and engine mountings.
13) Trial fit the engine and u/c. Spot off dowel holes in F2 from wing. These should be drilled prior to fitting.
14) Drill and fit rear mounting for wing. Thread 2 x 6mm.
15) Fit sloping cockpit ends. Cover

Control Throws at 50% rates (Use these to fly with))
Exponential at +50%
Ailerons +/- 5mm
Rudder +/- 5mm
Elevator +8mm -5mm
Double all values for 100% rates
Keep these values even if you scale the plan up.

Megawatt 70" Span 1773 mm
Full Size Metric
Drawn by Colin Usher 10th May 2012
Sheet 1 of 2 Revised 11th June 2012