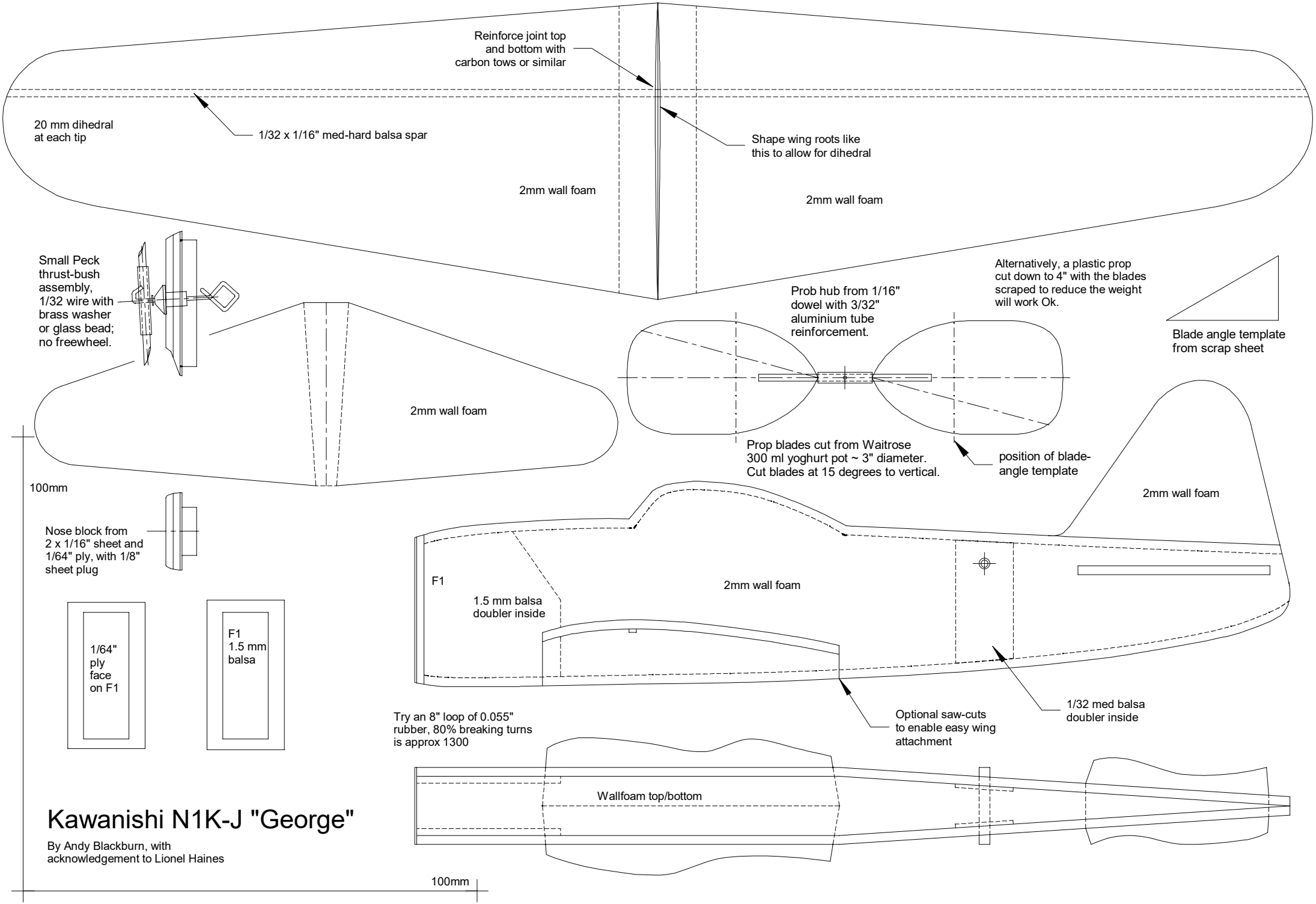
Reinforce joint top and bottom with carbon tows or similar
20 mm dihedral at each tip
1/32 x 1/16" med-hard balsa spar
Shape wing roots like this to allow for dihedral
2mm wall foam
2mm wall foam
Small Peck thrust-bush assembly, 1/32 wire with brass washer or glass bead; no freewheel.
2mm wall foam
Prob hub from 1/16" dowel with 3/32" aluminium tube reinforcement.
Alternatively, a plastic prop cut down to 4" with the blades scraped to reduce the weight will work Ok.
Blade angle template from scrap sheet
Prop blades cut from Waitrose 300 ml yoghurt pot ~ 3" diameter. Cut blades at 15 degrees to vertical.
position of blade-angle template
100mm
Nose block from 2 x 1/16" sheet and 1/64" ply, with 1/8" sheet plug
2mm wall foam
F1
1.5 mm balsa doubler inside
2mm wall foam
1/64" ply face on F1
F1 1.5 mm balsa
Try an 8" loop of 0.055" rubber, 80% breaking turns is approx 1300
Optional saw-cuts to enable easy wing attachment
1/32 med balsa doubler inside
Wallfoam top/bottom
Kawanishi N1K-J "George"
By Andy Blackburn, with acknowledgement to Lionel Haines
100mm