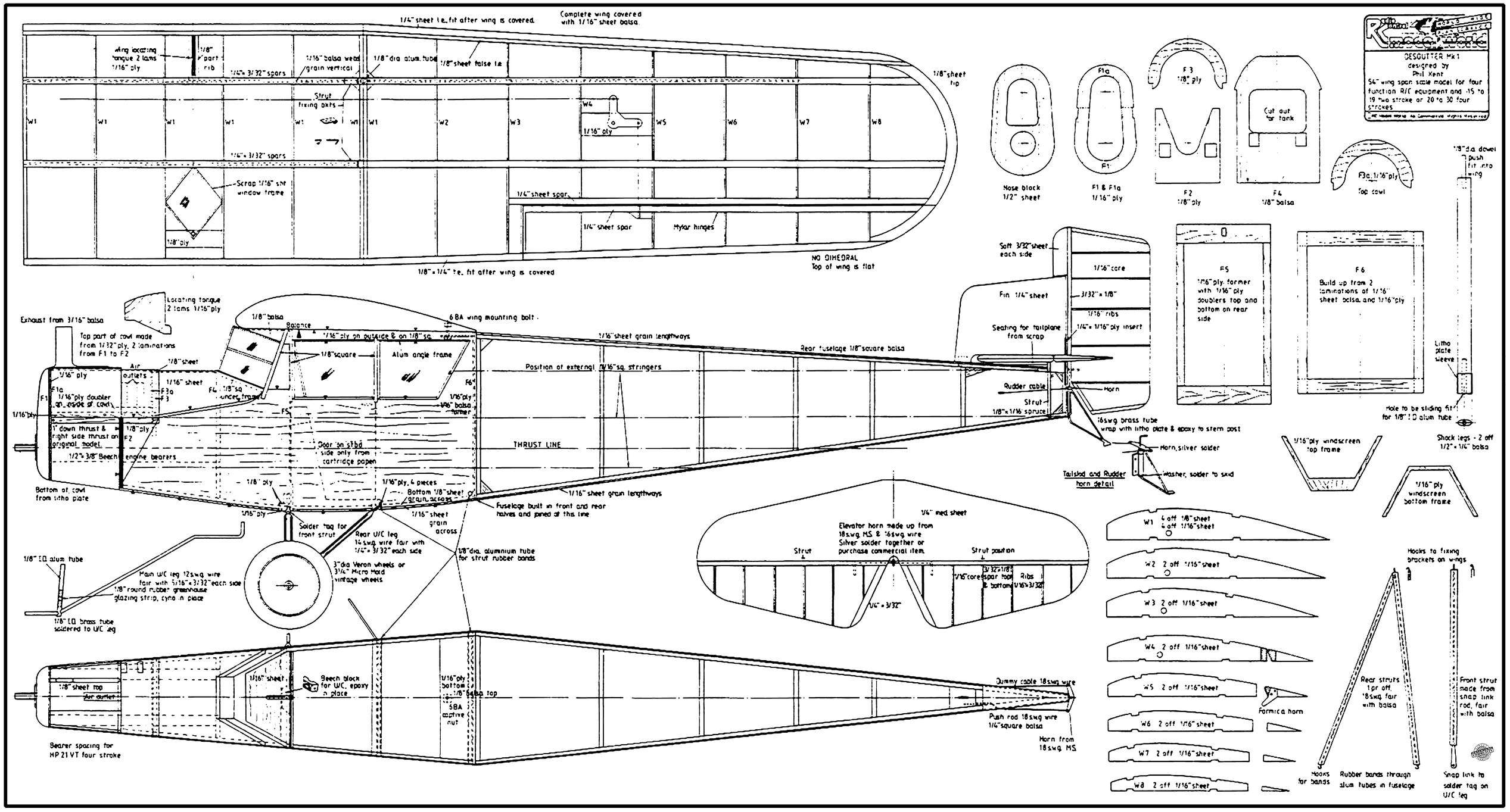
DESOUTTER Mk1
designed by
Phil Kent
54" wing span scale model for four function R/C equipment and .15 to .19 two stroke or .20 to .30 four strokes
1/4" sheet t.e. fit after wing is covered.
Complete wing covered with 1/16" sheet balsa.
Wing locating tongue 2 lams 1/16" ply
1/8" part rib
1/4" x 3/32" spars
1/16" balsa web grain vertical
1/8" dia alum. tube
1/8" sheet false t.e.
1/8" sheet tip
Strut fixing pins
W1
W2
W3
W4
W5
W6
W7
W8
1/16" ply
Scrap 1/16" sht window frame
1/8" ply
1/4" sheet spar
Mylar hinges
1/8" x 1/4" t.e. fit after wing is covered
NO DIHEDRAL
Top of wing is flat
Nose block 1/2" sheet
F1 & F1a 1/16" ply
F3 1/8" ply
Cut out for tank
F2 1/8" ply
F4 1/8" balsa
F3a 1/16" ply
Top cowl
1/8" dia dowel push fit into wing
Soft 3/32" sheet each side
1/16" core
Fin 1/4" sheet
3/32" x 1/8"
1/16" ribs
1/4" x 1/16" ply insert
Seating for tailplane from scrap
F5
1/16" ply former with 1/16" ply doublers top and bottom on rear side
F6
Build up from 2 laminations of 1/16" sheet balsa and 1/16" ply
Litho plate sleeve
Hole to be sliding fit for 1/8" I.D alum tube
Shock legs - 2 off 1/2" x 1/4" balsa
Locating tongue 2 lams 1/16" ply
Exhaust from 3/16" balsa
Top part of cowl made from 1/32" ply, 2 laminations from F1 to F2
1/8" balsa
Balance
6BA wing mounting bolt
1/16" ply on outside & on 1/8" sq.
1/8" square
Alum angle frame
1/16" sheet grain lengthways
Rear fuselage 1/8" square balsa
Position of external 1/16" sq. stringers
1/8" sheet
Air outlets
1/16" ply
1/16" sheet
F1a
1/16" ply doubler on inside of cowl
F3a
F4
1/8" sq. uncut frame
F6
1/16" ply
1/16" balsa former
F5
1/16" ply
1" down thrust & right side thrust on original model.
1/8" ply
F2
1/2" x 3/8" Beech engine bearers
Door on stbd side only from cartridge papen
THRUST LINE
Rudder cable
Horn
Strut 1/8" x 1/16 spruce
16swg brass tube wrap with litho plate & epoxy to stem post
Horn, silver solder
Washer, solder to skid
Tailskid and Rudder horn detail
1/16" ply windscreen top frame
1/16" ply windscreen bottom frame
Bottom of cowl from litho plate
1/8" ply
1/16" ply, 4 pieces
Bottom 1/8" sheet grain across
1/16" sheet grain lengthways
Fuselage built in front and rear halves and joined at this line
1/16" ply
Solder tag for front strut
Rear U/C leg 14swg wire fair with 1/4" x 3/32" each side
1/16" sheet grain across
1/8" dia. aluminium tube for strut rubber bands
3" dia Veron wheels or 3 1/4" Micro Mold vintage wheels
1/8" I.D. alum tube
Main U/C leg 12swg wire fair with 5/16" x 3/32" each side
1/8" round rubber greenhouse glazing strip, cyno in place
1/8" I.D. brass tube soldered to U/C leg
1/4" med sheet
Elevator horn made up from 18swg MS & 16swg wire
Silver solder together or purchase commercial item.
Strut
Strut position
1/16" core
3/32" x 1/8" spar top & bottom
Ribs 1/16" x 3/32"
1/4" x 3/32"
W1 4 off 1/8" sheet 4 off 1/16" sheet
W2 2 off 1/16" sheet
W3 2 off 1/16" sheet
W4 2 off 1/16" sheet
W5 2 off 1/16" sheet
W6 2 off 1/16" sheet
W7 2 off 1/16" sheet
W8 2 off 1/16" sheet
Formica horn
Hooks to fixing brackets on wings
Rear struts 1 pr off. 18swg fair with balsa
Front strut made from snap link rod, fair with balsa
Hooks for bands
Rubber bands through alum tubes in fuselage
Snap link to solder tag on U/C leg
1/8" sheet top
Air outlet
1/16" sheet
Beech block for U/C, epoxy in place
1/16" ply bottom
1/8" balsa top
6BA captive nut
Dummy cable 18swg wire
Push rod 18swg wire 1/4" square balsa
Horn from 18swg MS
Bearer spacing for HP 21 VT four stroke