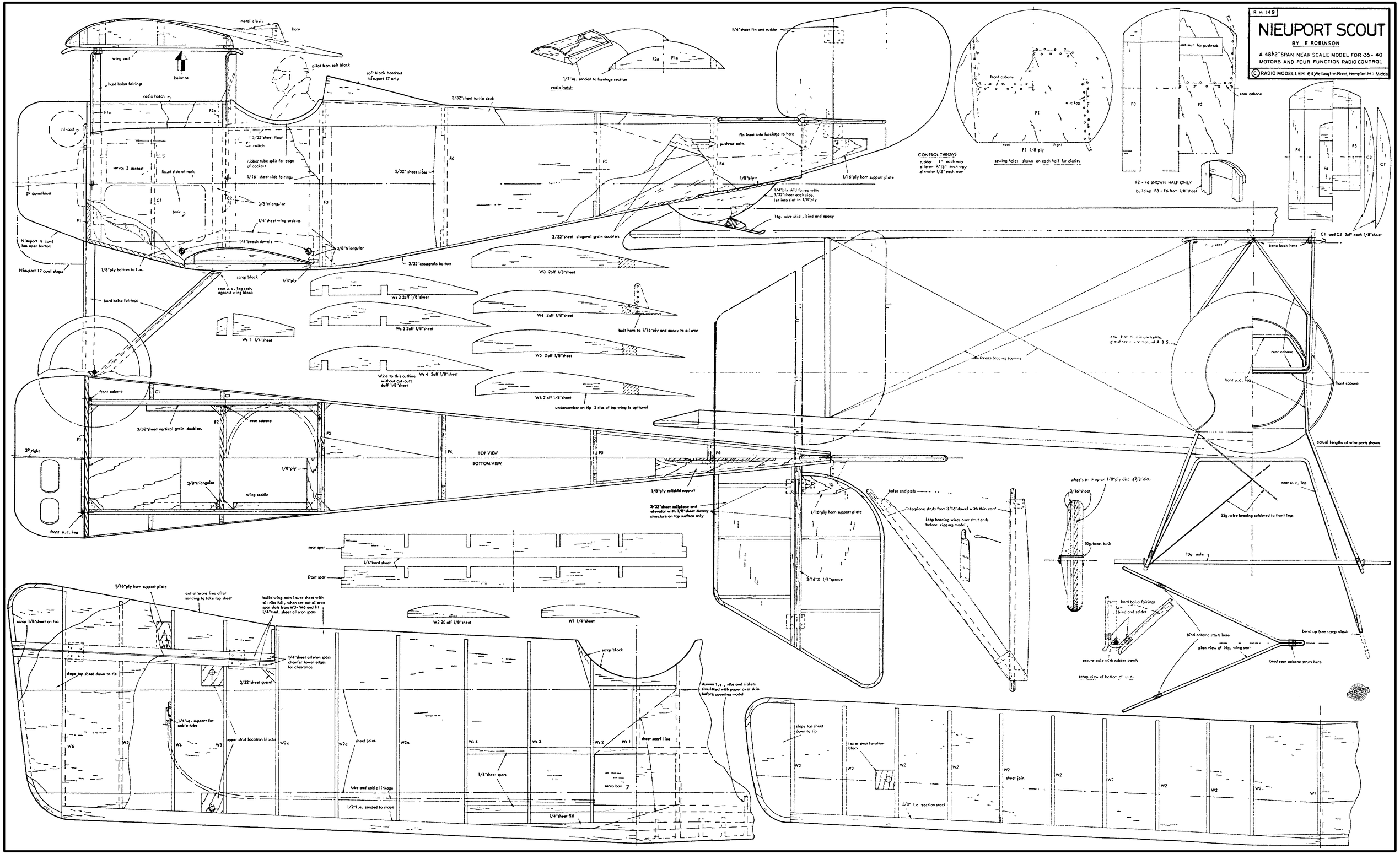
RM 149
NIEUPORT SCOUT
BY E ROBINSON
A 48½" SPAN NEAR SCALE MODEL FOR .35 - 40 MOTORS AND FOUR FUNCTION RADIO CONTROL
© RADIO MODELLER 64 Wellington Road, Hampton Hill Middx
metal clevis
horn
wing seat
balance
pilot from soft block
soft block headrest Nieuport 17 only
hard balsa fairings
radio hatch
F1a
F2a
ni-cad
3/32" sheet floor
switch
rubber tube split for edge of cockpit
1/16" sheet side fairings
servos 3 abreast
Rx at side of tank
tank
3/8" triangular
1/4" sheet wing saddles
1/4" beech dowels
3/8" triangular
5° downthrust
Nieuport 11 cowl has open bottom
Nieuport 17 cowl shape
1/8" ply bottom to l.e.
scrap block
1/8" ply
rear u.c. leg rests against wing block
hard balsa fairings
Ws 1 1/4" sheet
front cabane
C1
C2
3/32" sheet vertical grain doublers
rear cabane
F1
F2
F3
F4
F5
F6
3° right
1/8" ply
3/8" triangular
wing saddle
front u.c. leg
3/32" sheet turtle deck
3/32" sheet sides
3/32" crossgrain bottom
3/32" sheet diagonal grain doublers
1/2" sq. sanded to fuselage section
radio hatch
1/4" sheet fin and rudder
fin inset into fuselage to here
pushrod exits
1/8" ply
1/16" ply horn support plate
1/4" ply skid faired with 3/32" sheet each side, let into slot in 1/8" ply
16g. wire skid, bind and epoxy
W3 2off 1/8" sheet
W2 2off 1/8" sheet
W4 2off 1/8" sheet
W3 2off 1/8" sheet
bolt horn to 1/16" ply and epoxy to aileron
W5 2off 1/8" sheet
W2a to this outline without cut-outs 6off 1/8" sheet
W4 2off 1/8" sheet
W6 2 off 1/8" sheet
undercamber on tip 3 ribs of top wing is optional
TOP VIEW
BOTTOM VIEW
1/8" ply tailskid support
3/32" sheet tailplane and elevator with 1/8" sheet dummy structure on top surface only
rear spar
1/4" hard sheet
front spar
W2 20 off 1/8" sheet
W1 1/4" sheet
CONTROL THROWS
rudder 1" each way
aileron 9/16" each way
elevator 1/2" each way
front cabane
F1
u.c. leg
rear
front
F1 1/8 ply
sewing holes shown on each half for clarity
cut-out for pushrod
rear cabane
F2 - F6 SHOWN HALF ONLY
build up F3 - F6 from 1/8" sheet
C1 and C2 2off each 1/8" sheet
seat
bend back here
cow from aluminium kettle, glass fibre cowl of A & S
thread bracing tommy
rear cabane
front u.c. leg
front cabane
actual lengths of wire parts shown
balsa end pads
interplane struts from 3/16" dowel with thin cord
loop bracing wires over strut ends before rigging model
1/16" ply horn support plate
3/16" X 1/4" spruce
wheel built up on 1/8" ply disc 4 3/8" dia.
3/16" sheet
10g. brass bush
rear u.c. leg
22g. wire bracing soldered to front legs
10g axle
hard balsa fairings
bind and solder
secure axle with rubber bands
scrap view of bottom of u.c.
bind cabane struts here
plan view of 14g. wing seat
bend up (see scrap view)
bind rear cabane struts here
1/16" ply horn support plate
cut ailerons free after sanding to take top sheet
build wing onto lower sheet with all ribs full, when set cut aileron spar slots from W3-W6 and fit 1/4" sqd. sheet aileron spars
scrap 1/8" sheet on top
1/4" sheet aileron spars chamfer lower edges for clearance
slope top sheet down to tip
3/32" sheet gusset
scrap block
dummy l.e., ribs and ribbets simulated with paper over skin before covering model
1/4" sq. support for cable tube
upper strut location blocks
W6
W5
W4
W3
W2a
W2a
W2a
W1 4
W1 3
W1 2
W1 1
sheet joins
sheet scarf line
1/4" sheet spars
tube and cable linkage
servo box
1/2" l.e. sanded to shape
1/4" sheet fill
slope top sheet down to tip
lower strut location block
W2
sheet join
3/8" l.e. section stock
W1