RM 94

PELAGO

by T. MELLENEY

a 63½" span sport model for ·49-·61 engines and four function radio

© RADIO MODELLER 64, Wellington Road, Hampton Hill, Middlesex

Hole to suit tank
F2
Firewall and F2-3 : 1/16" ply
RR
F2A
F4
F4-8 : 1/8" sheet
F5
F6
F7
F8
Front
Windscreen template
B
Cement fillet at join
B
A
A
Front
Cabin template
CONTROL THROWS
Rudder: 1" each way
Elevator: 1/2 each way
Ailerons: 1/2" " "
all measured at max chord.
Mylar hinges throughout
1/2" X 1/4"
3/32" X 1/4"
1" X 1/4" hard
1/4" sheet
1/4" sheet
1/16 sheet both sides (feather off at t.e.)
Feather off
1/8" sheet fitted after fixing screen
Screen meets floor
F2A
Paint floor, F2A and F3A before glazing cabin
1/8" sheet floor F2-F3
F3A
F3
1/8" sheet fillers
F4
F5
F6
F7
F8
0°
F1
F2
Tank ℄
Servos
Metal radial mount
Thrust line 0°
1/4" sheet doublers note grain.
1/16" ply doublers on outside face
1/4" sq uprights and spacers
1/4" sq hard balsa longerons and top stringers
1/8" sheet fillers
Throw: 1" each way
Piece of large nylon bolt drilled for tailwheel leg and screwed into hardwood block
Pushrod exit each side
Small washer and horn soldered before installing
1 1/2" wheel
1/4" beech dowel
Scarfe
Vynolide on wing seal
0°
C G range
Note grain
1/16 X 1/4" feather strips
2 1/4" spinner
RR
Cowl from scrap 1/2" sheet
Adjust to suit motor length
Note overlength longerons for easy building, cut flush to front of F1, face whole front with 1/16" ply trimmed to outside profile
1/4" sq stringer
Scrap block
U/C legs raked forward to l.e. line
Fuselage open frame aft of F3
Basic rib template
Cut 22 off from 3/32" sheet
1 from 1/4" sheet (notched for servo)
Notch at u/c beam
Cut ribs at aileron hinge, then crop back as shown to produce aileron ribs A1-6; this gives section for turbulator steps 'X'
A6
A5
A4
A3
A2
A1
Tailwheel horn from 18g brass, couple to rudder horn with short pushrod
Rear
Front
Hard 1/4" sheet dihedral braces fit between spars
0°
Cut to suit engine
3/16" sq stringers
F3A
Hardwood block
Scrap 1/4" at hinges
X
X
Typical section showing steps 'X'
Steps are small at inboard end and large at wingtips
2" dihedral each tip under mainspar
1/8" sheet top and bottom
Tank ℄
Doublers
℄ engine mount
F1 1/4" ply
Twist for rake
Main U/C legs 8 g piano wire
Use 3 1/4" wheels
F3A
F3
Scarfe joint
1/4" X 3/4"
3/32" X 1/4"
1/16" sheet top and bottom
1/4" X 1"
℄
1/4" X 3/8"
Feather off
14 g piano wire yoke
1/4" sheet
Throw 1/2" each way
1/4" X 1/2" planted after sheeting
3/16" X 11/16" notched 1/16" for ribs
1/16" sheet top and bottom
Beech U/C beam grooved for wire
3/8" X 3/4" beech torque blocks
1/4" sq. spruce spars
Dihedral braces between spars
Opening in top to suit servo
℄
℄
1/16" ply
1/4" X 1/16" cap strips to all exposed ribs
1/8" X 1/4" spars
Tips laminated from soft 1/2" and 3/8" sheet or block hollowed
1/8" sheet planted and sanded to 'V' section
1/4" sheet doublers
Horn
1/8" X 1/4" L.E. spars
A1
A2
A3
A4
A5
A6
1/16" sheet covering
Throw: 1/2" each way
3/8" X 1/4" l.e.