PINK PANTHER
designed by
Brian Young

53" wingspan model for 4 function R/C and .30 to .45cu.in motors

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All wood balsa unless stated

Control movements (adjust to taste after test flights)

Ailerons 3/8" each way
Elevators 1/2" " "
Rudder 1 1/2" " "

Prototype weight 5 1/4 lb (yours should be less)

Prototype has nylon on wings and fuselage with heavyweight tissue on tail and fin finished in pink paint - what else

U/C Leg 10 SWG
lengthen if smaller wheels used or if your flying site is rough

1/4" sheet to support servo tray

F4 1/8" Ply

cutout to suit pushrods

Commercial canopy

16 SWG Joiner

Fin, rudder, tailplane and elevators from 1/4" med. sheet

Ply formers - use gaboon ply (the coarse grain "mahogany" coloured ply from D.I.Y stores) it's cheaper and lighter than "proper" aircraft ply yet quite strong enough

F1 F2 F3 F4

cutout to suit tank used

F3 1/8" Ply

0° Downthrust

2 1/4" spinner

1/2" Sq

1/8" x 1/2" stiffeners

1/4" Sq

1/4" Sheet

1/16" sheet tank bay floor

1/8" ply

Slot each side for pushrod or mylered exits

template - shape and solder to skid then epoxy to fuselage

Fuselage side view - left side ommitted for clarity

Basic fus. top bottom and sides from 1/8" sheet

1/16" ply fus. doublers to outline sheeting thus _x_

hardwood block for u/c and servo anchor

Fuselage top view - top sheet ommitted

Fit suitable engine mount on c/line

F2 1/16" Ply

Prototype flown mainly with Meteor 40 +10 x 6" prop

1/2" triangular section hardwood or hard balsa

2 - 2 1/4" wheels

0 - 2° right thrust

line servo pocket with 1/16" sheet

aileron servo

1/8" Ply tray for elevator rudder and throttle servos

1/4" Dowels

W2 W1

1/4" sheet

Typical section - foam wing

t/e stock

Typical section - built up wing

Join wings with 1" dihedral under each tip

fibreglass reinforcement either wing construction

1/2" sheet

W1 W2

1/8" Ply u/c plate

3/32" ribs and mainspar

1/16" sheet

1/16" x 1/2" spars tapered to 1/4" spruce or hard balsa

1/16" x 5/16" Capstrips

top sheet ommitted

1/4" sheet

Insert small lead weight in wing tip to balance engine/silencer

Foam wing from above template or from commercial TAURI blanks

rib positions if built up left wing required

1/16" ply pads for wing bands fit before frglass