Bob Martin RC Models

Original Design by: Kevin McDonald & Bruce Lewis

SPECIFICATIONS

Wing Span	50"/1.27 Meter
Wing Area	309.375 sq in/2010.94 sq cm
Weight w/Radio (average)	14 oz/397 grams
Wing Loading (average)	6.5 oz sq ft/197.42 gm sq M
Fuselage Length	31.25 in/79+ cm

Engineered, Drawn and Inked by: R. D. Martin
Manufactured by: Bob Martin R/C Models
"Bob Martin R/C Models" and "Talon" are Trademarks of Bob Martin R/C Models. All Rights Reserved

Talon

(Optional)
V-Tail

100°

7/8"
Bend Horn Here
V-Tail Only

Optional
V-Tail
Stab Layout

(2 Required)

1/8" x 1/4"

1/16" x 1/4"

(2 Required)
Standard Stab

1/8" sq.

Typical Stab Cross Section

Horizontal Center-Section
Sand to Shape
2 1/4"

Aileron

1/16"
Balsa Fillets
Scrap
(optional)

Centerline

TOP
LEFT WING PANEL

1/16" x 3" x 24" Sheeting

5/16" sq. x 24"

TRAILING EDGE (TE)
Aileron
5/16" x 1 1/4" x 24"

Hinge here

SUB TRAILING EDGE (STE)
1/8" x 3/8" x 24"

TOP
RIGHT WING PANEL

Vertical Grain
Shear Web

3/32" Diecut Gussets

Du-Bro #109
Kwik Links

Large Aileron Horn
Cut off here

1/8" Lite Ply
Dihedral Brace

1/8" x 1/4" x 24" Spars

Top Sheeting Removed for Clarity

1/16 x 3 x 24
Sheeting Top & Bottom

LEADING EDGE (LE) 5/16" sq. x 24"

1/16" Vertical Grain Shear Web

Typical Wing Cross Section #3 Rib Section Shown

3/16" Hole for Balancing Weight

Align Fuse Bottom Here

Antenna Housing

1/8" sq.

servo

Sullivan #514 Cable

Du-Bro #112 Solder Kwik Links

1/8" Brass
(supplied)

Trace for Fairing cutout

1/8" X1/2" Brass Tube
Aileron Torque
Rod Connectors
(2 Required)

servo

Z-Bend

1/8" Lite Ply Bulkheads

Top

Upper Sides

Lower Sides

Bottom

BALANCE POINT

Tail
Block

Scrap Balsa

Du-Bro #112

Aft Hatch Cut Line

3/16" Dowel

Antenna Housing

Elevator Pushrod

Servo Tape

Hatch Cut Line

Receiver

250 mAh Battery

Split Shot & Epoxy

Align Upper Fuse Sides Here

Hardwood Nose Block

3/4"

1/2"

A B C D E F G H I J K L M

1 2 3 4 5 6 7 8 9 10 11