

MAKING PLANS



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MAKING PLANS

Looking for a **FUN** project ?

Have a computer and Internet ?

Have an Inkjet printer ?

Willing to spend some time ?

MAKING PLANS

Start by locating FREE plans for R/C aircraft on the Internet

You will want plans that are in PDF format

Here is one site I found that has a large selection of free plans (there are many more sites including AMA)

<http://www.outerzone.co.uk/>

MAKING PLANS

Find a plan for an airplane you would like to build and download to your computer

Open your plan document using Adobe reader

You will see a screen similar to the what is shown on the following page

MAKING PLANS

PT-19Speed400.pdf - Adobe Reader

File Edit View Window Help

1 / 1 22.8%

Tools Sign Comment

Specifications

- Wing Span.....40"
- Wing Area.....300 sq. in.
- Length.....39 in.
- Weight.....27.04 oz.
- Wing Loading.....11.5 oz./sq. ft.
- Hull Material.....4 sheet
- Motor Used.....PT-19 400-450 Stallion Outboard
- Speed Control Used.....10 Amp
- Battery.....3450mAh 3S Nippon (20C)
- Propeller Used.....APC 10 X 3.5 Slalom
- Color.....Light Blue/Yellow

Deck Sheets are available through:
Cullis Graphics
P.O. Box 95138
Albuquerque, NM 87106-5138
505-269-2822
cullis@cullographics.com

10 GLOW POWER
For use with glow engine
See note on back page

**SPEED 400
PT-19**

Based on an Original Design by Robert Somers for .10 2C
Basic Convention and detail drawings by
Charles Pipes
Drawing Revision M (2008)

**Laser Cut Short Kits Containing Alphabetic
Part Numbers Available from:**
Top Notch Products
PO Box 1851
Coffeyville, Tennessee 37020
Phone 615-964-4227 Fax 615-225-1154
www.topnotchproducts.com

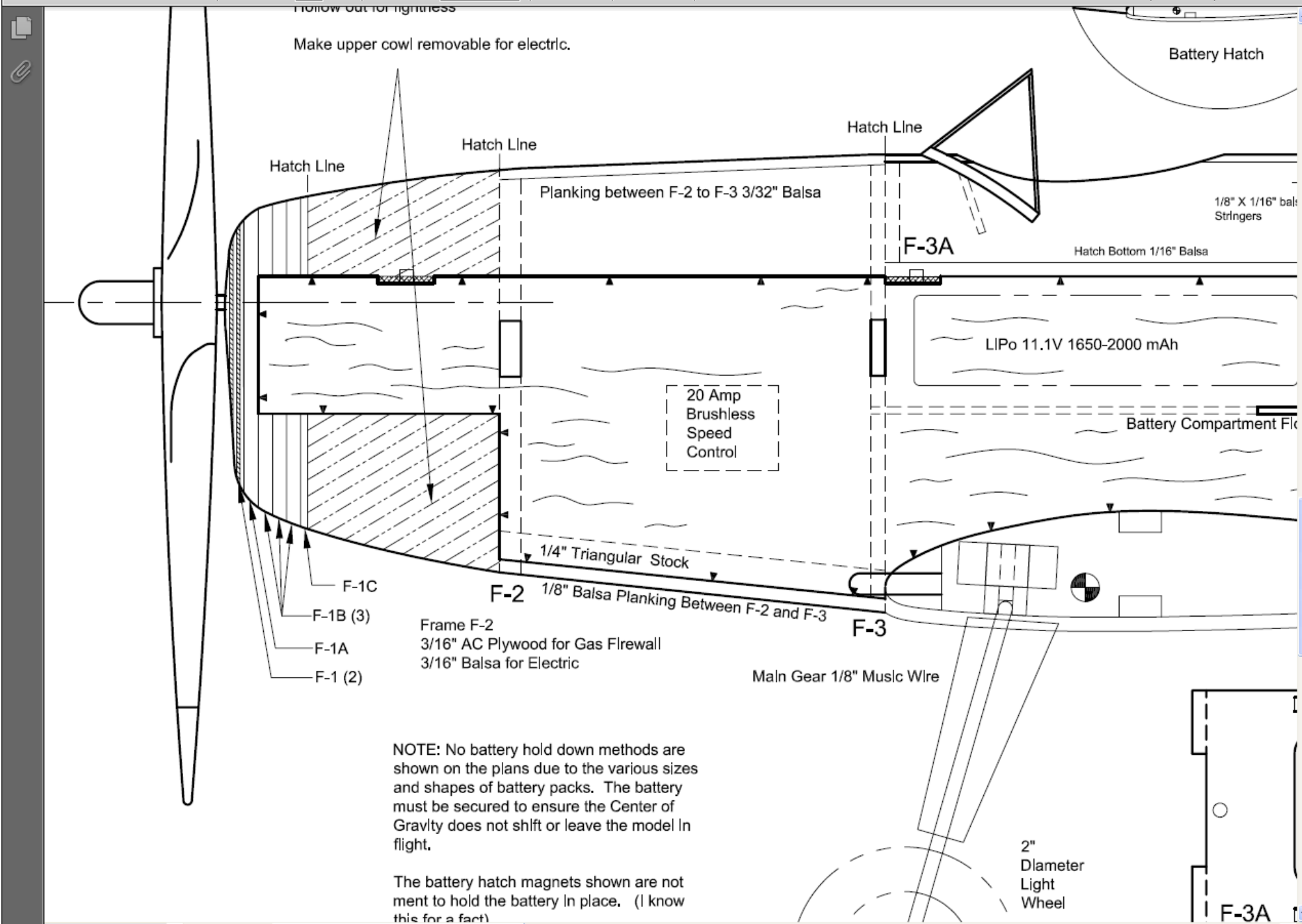
start | Untitled 1 - OpenOffi... | Downloads | PT-19Speed400.pdf - ... | 59° 5:15 PM

MAKING PLANS

The plan is sized to fit on your display

We need to print a full scale sized plan

Enlarge the plan to 100% by clicking on the down arrow next to the % shown box in the tool bar, you will see something similar to the next slide



NOTE: No battery hold down methods are shown on the plans due to the various sizes and shapes of battery packs. The battery must be secured to ensure the Center of Gravity does not shift or leave the model in flight.

The battery hatch magnets shown are not ment to hold the battery in place. (I know this for a fact)

MAKING PLANS

You can scroll left / right and up / down to see the full sized plans

You will now be ready to print a full sized set of plans to build from

Select the printer icon from the tool bar

Select “Poster” and “Cut Marks” and “Labels”

You may also want to change the “overlap” to .125

You will see a screen similar to the next page

Print

Printer: EPSON Artisan 50 Series Properties Advanced Help ?

Copies: 1

Pages to Print

All
 Current page
 Pages 1
▶ More Options

Page Sizing & Handling ⓘ

Size Poster Multiple Booklet

Tile Scale: 100 % Overlap: 0.005 in

Cut marks Labels
 Tile only large pages

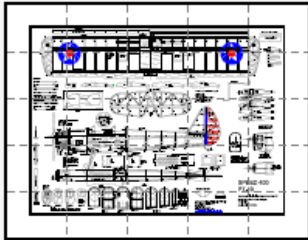
Orientation:
 Portrait
 Landscape

Want to print colors as gray & black? ⓘ

Comments & Forms

Document and Markups
Summarize Comments

55 x 42.5 Inches



Page 1 of 1

Page Setup... Print Cancel

5 Top
6 bottom

R-3T

R-3

Top
bottom

MAKING PLANS

By clicking on the Poster Icon you will see the plan spread across multiple $8\frac{1}{2}$ x 11 sheets of paper

The full size plan is $55 \times 42\frac{1}{2}$ and will require 25 sheets of paper

Go buy some wide roll white paper (“butcher paper”) and cut it into strips $8\frac{1}{2}$ x 44

You can also tape 4 sheets of $8\frac{1}{2}$ x 11 paper to get the 44” size

Click on the properties button and then select “User Defined” on the paper size options

Set Paper Height to 4400 (.01) inch

Click OK and click OK and you will see the plan changed to the new paper size

Now you need to align only 7 sheets of paper as shown on the next page

Print

Printer: EPSON Artisan 50 Series Properties Advanced Help ?

Copies: 1

Pages to Print

All
 Current page
 Pages
▶ More Options

Page Sizing & Handling

Size Poster Multiple Booklet

Tile Scale: 100 % Overlap: 0.005 in

Cut marks Labels
 Tile only large pages

Orientation:
 Portrait
 Landscape

Want to print colors as gray & black? ⓘ

Comments & Forms

Document and Markups
Summarize Comments

59.5 x 44 Inches

Page 1 of 1

Page Setup... Print Cancel

5 Top
6 bottom

Top
bottom

R-3T

R-3

MAKING PLANS

You may want to print more than one copy so that you can have templates for the parts you need for construction

You now have a set of working plans

Now go build your airplane

MAKING PLANS

Some Additional Tips

You can use poster board or card stock instead of normal paper

You can increase / decrease the size of the aircraft plan by clicking on the tile scale box and changing the the %

You may want to print a copy using 8½x11 paper and then copy selected sheets onto poster board or card stock to use as templates for cutting out parts

You have a lot of flexibility so you can experiment with the various options

You can also get copies made of the plans at Office Depot as well as other businesses. Shop around for the best price and quality. Not all businesses provide 100% accurate plans.