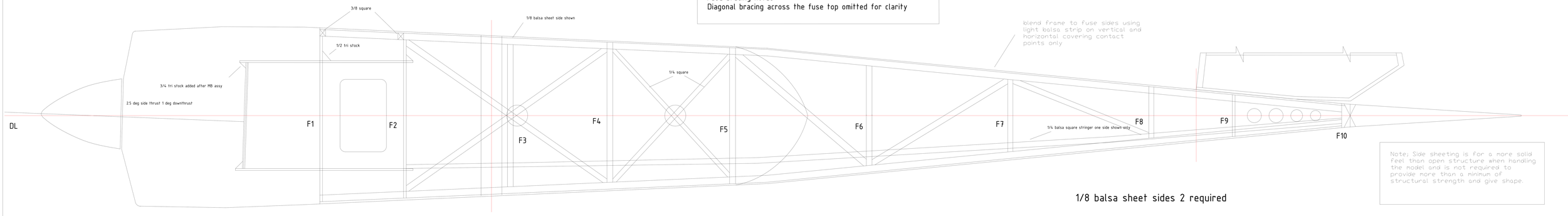
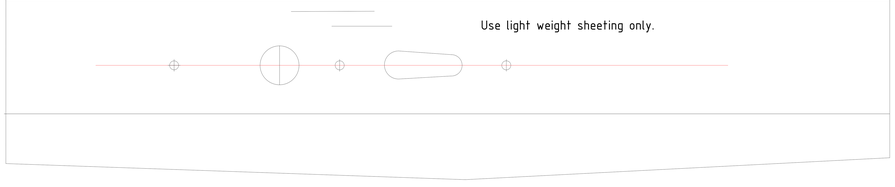
Fuse bracing notes:
Diagonal bracing across the fuse top omitted for clarity

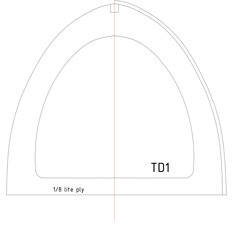


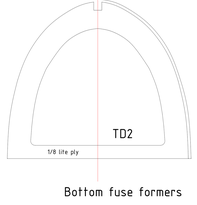
Note: Side sheeting is for a more solid Feel than open structure when handling the model and is not required to provide more than a minimum of structural strength and give shape.

1/8 balsa sheet sides 2 required

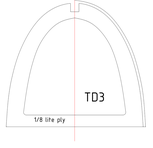


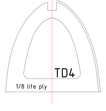


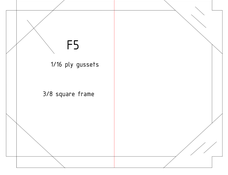


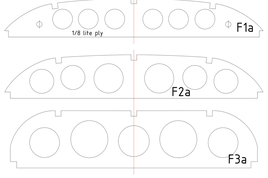


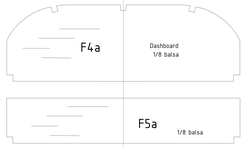
Bottom fuse formers

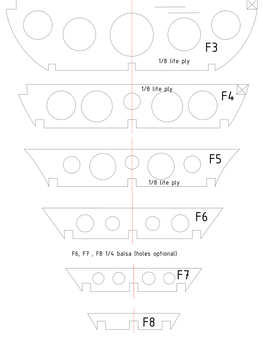


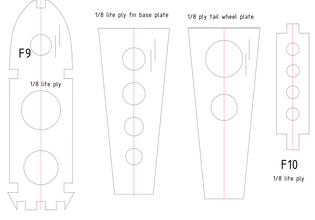


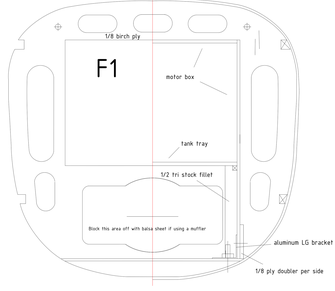


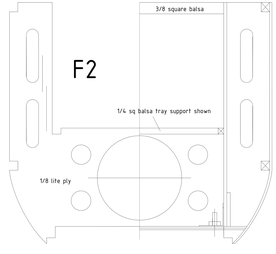


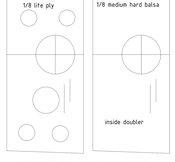












Edge 540 30% sport scale

Wing span: 88"
Wing area: 1406 sq/in
Length: 81"

Engine range: 50 - 60cc
Completed weight dry: 15.7 - 17 pounds

The designer assumes the builder has sufficient experienced when building the model to add further detail where needed.

Page 1 of 5

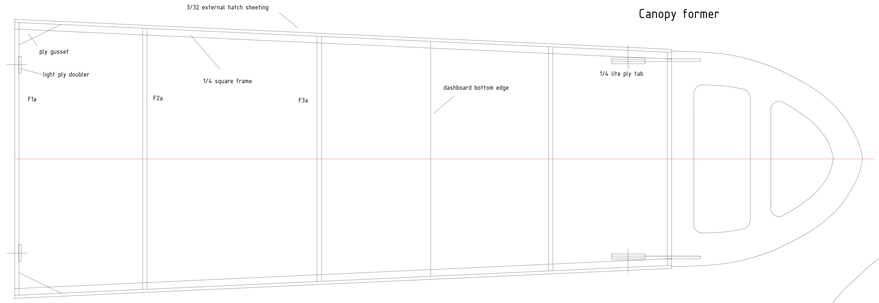
Allerons Low Rates: 3/4" Up 1" Down
Elevator Low Rates: 3/4" U/D
Rudder Low Rates: 2" L/R

On 3D rates expo was set at 40%

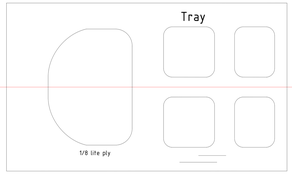
CG set @ 5-3/4" from root LE

Designed & drawn by Peter Marshall. MI. USA
pete_m001@yahoo.com

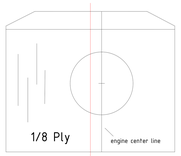
Hatch plan view



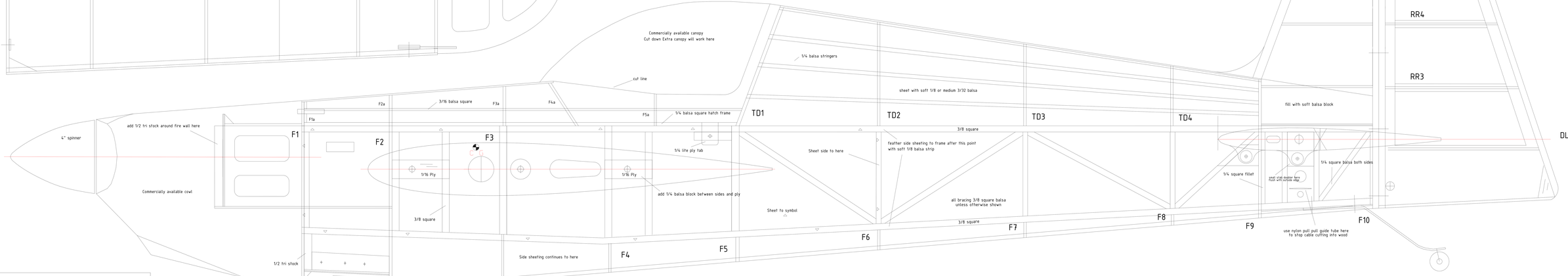
Canopy former



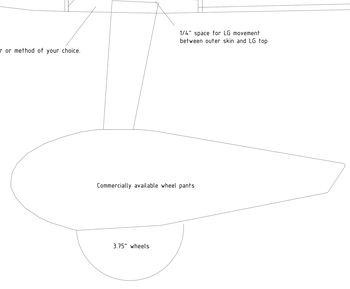
Firewall

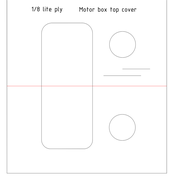


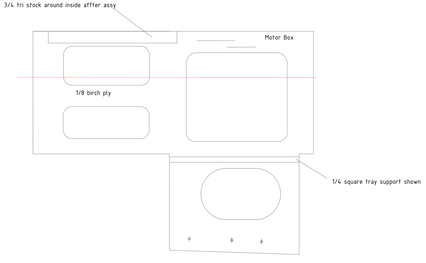




Cowl and canopy notes.
For ease of construction an aftermarket canopy from an Extra or similar can be bought and trimmed to a perfect size. This is larger than the Edge canopy and allows the builder more excess for fitting to the models unique shape.
The prototype cowl was made using white foam shaped and sanded, then 2 layers of light weight cloth added. I am aware this will take several days to fabricate and is not something most builders would enjoy doing. An alternative is to buy an aftermarket cowl from a similar size model and fit that.







Edge 540 30% sport scale

Wing span: 88"
Wing area: 1406 sq/in
Length: 81"

Engine range: 50 - 60cc
Completed weight dry: 15.3 - 17 pounds

The designer assumes the builder has sufficient experienced when building the model to add further detail where needed.

Page 2 of 5

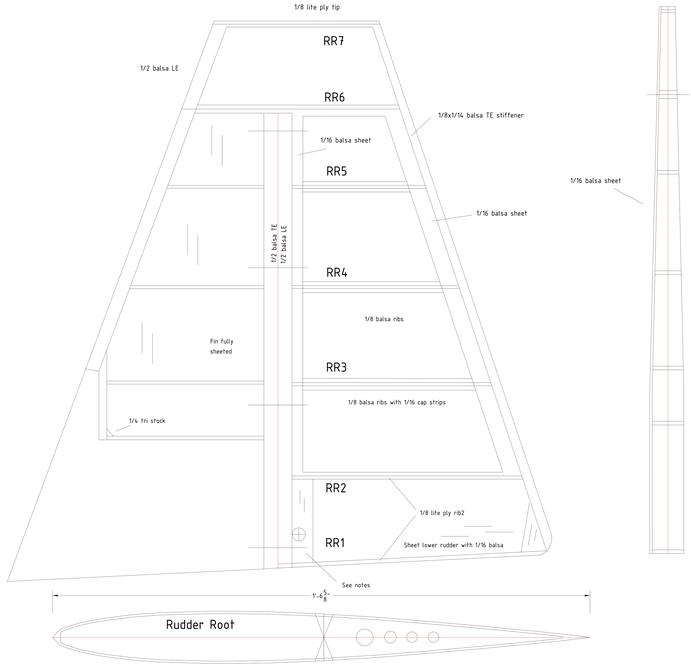
Allerons Low Rates: 3/4" Up 1" Down
Elevator Low Rates: 3/4" U/D
Rudder Low Rates: 2" L/R

On 3D rates expo was set at 40%

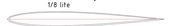
CG set @ 5-3/4" from root LE

Designed & drawn by Peter Marshall. MI. USA
pete_m001@yahoo.com

Vertical stab



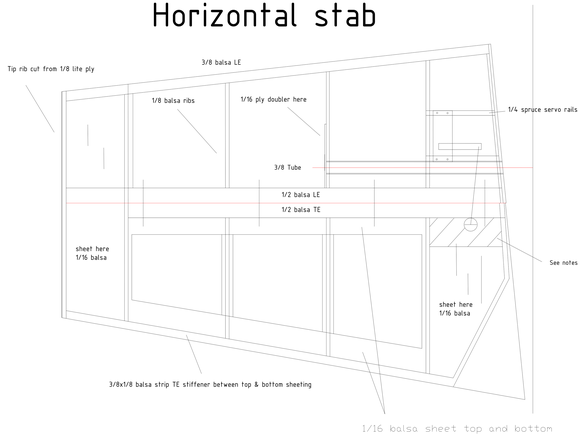
Rudder Tip
1/8 lite



Use the root and tip rib to plot out remaining rips by taking each length required.

Use ply plate or balsa block for horn mounting of your choice

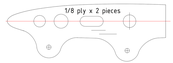
Horizontal stab



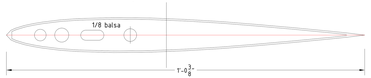
1/16 balsa sheet top and bottom

Use the root and tip rib to plot out remaining rips by taking each length required.

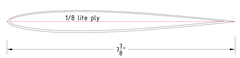
Use ply plate or balsa block for horn mounting of your choice



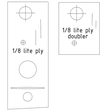
Stab root bolt plate



Stab tip



Stab tube support x 2 of each



Stab front bolt plate



Edge 540 30% sport scale

Wing span: 88"
Wing area: 1406 sq/in
Length: 81"

Engine range: 50 - 60cc
Completed weight dry: 15.7 - 17 pounds

The designer assumes the builder has sufficient experienced when building the model to add further detail where needed.

Page 3 of 5

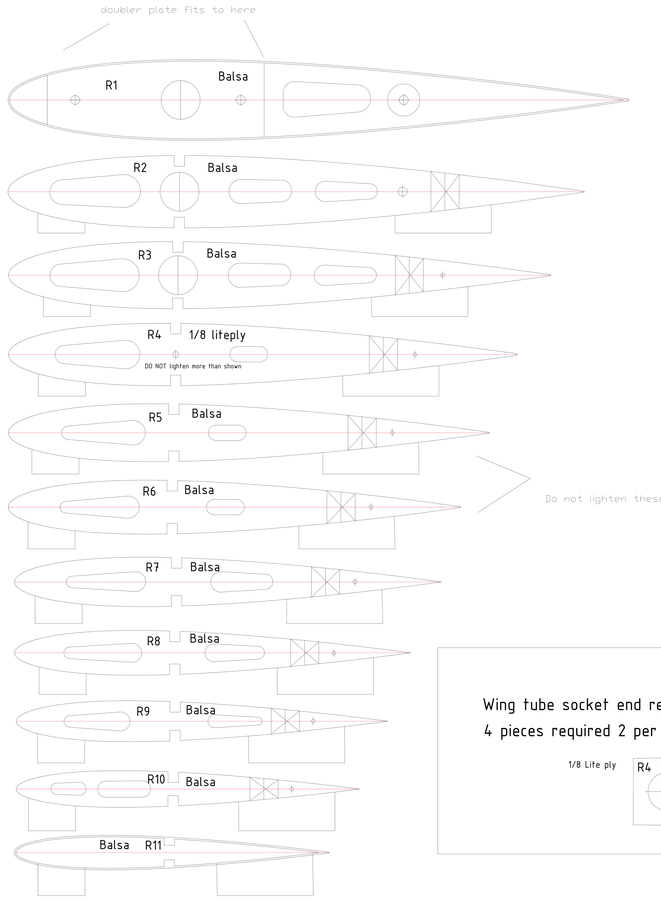
Ailerons Low Rates: 3/4" Up 1" Down
Elevator Low Rates: 3/4" U/D
Rudder Low Rates: 2" L/R

On 3D rates expo was set at 40%

CG set @ 5-3/4" from root LE

Designed & drawn by Peter Marshall. MI. USA
pete_m001@yahoo.com

all ribs cut from 1/8 medium/hard balsa unless other wise stated

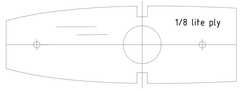


Do not lighten these ribs more than shown

R1

Wing root tube socket retainer

2 pieces required



Wing tube socket end retainer

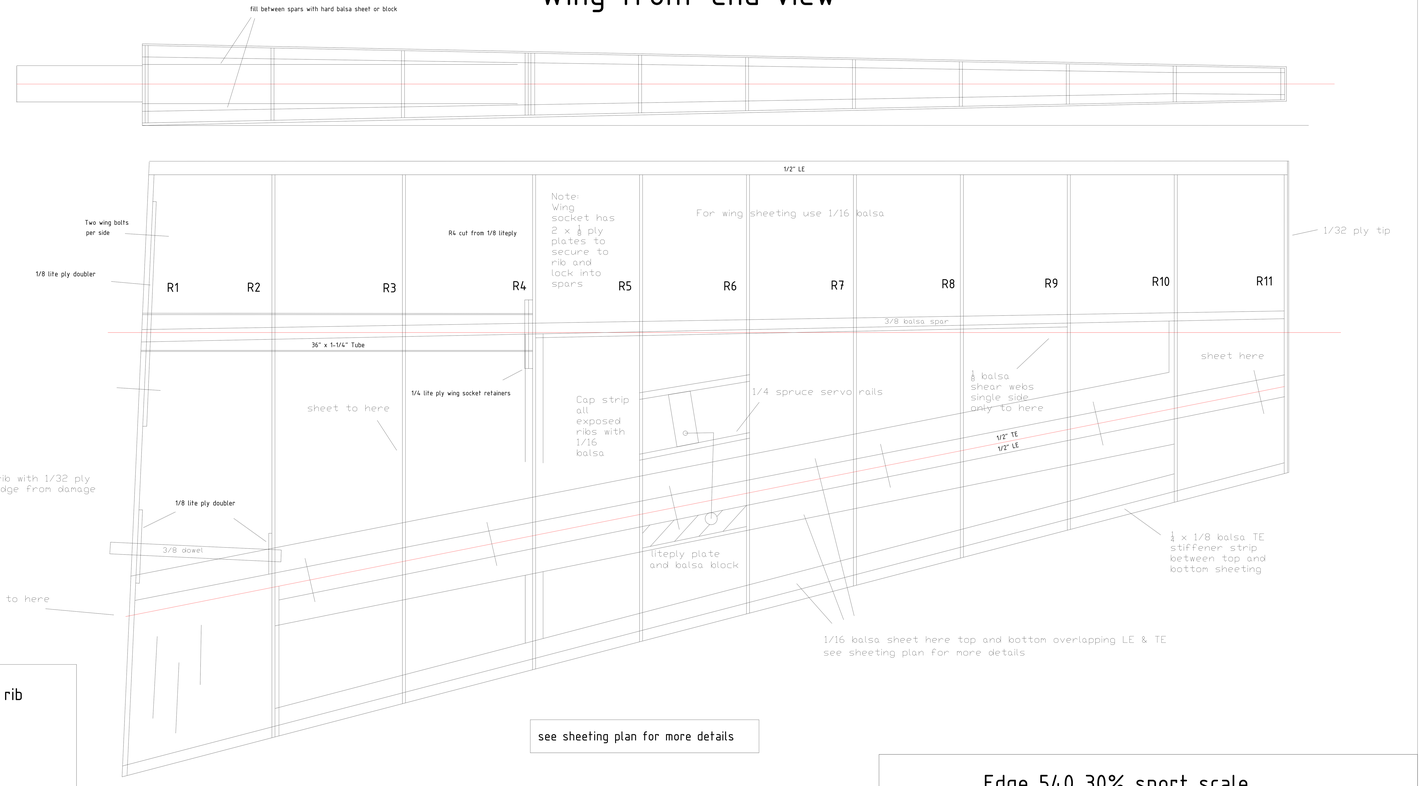
4 pieces required 2 per wing



Lite ply balsa rib doublers one per rib



Wing front end view



see sheeting plan for more details

Edge 540 30% sport scale

Wing span: 88"
Wing area: 1406 sq/in
Length: 81"

Engine range: 50 - 60cc
Completed weight dry: 15.7 - 17 pounds

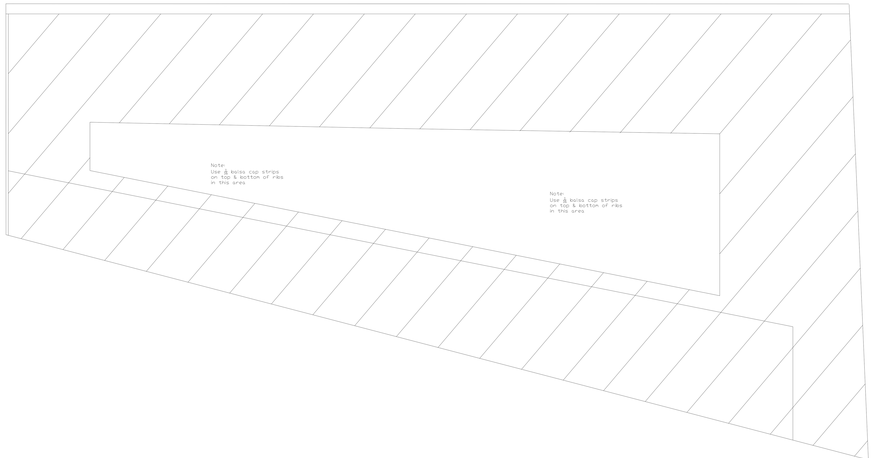
The designer assumes the builder has sufficient experienced when building the model to add further detail where needed.

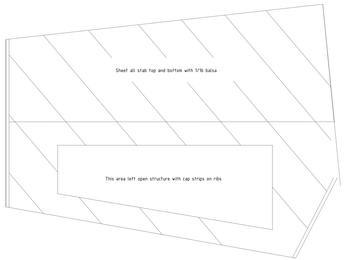
Ailerons Low Rates: 3/4" Up 1" Down
Elevator Low Rates: 3/4" U/D
Rudder Low Rates: 2" L/R

On 3D rates expo was set at 40%

CG set @ 5-3/4" from root LE

Designed & drawn by Peter Marshall. MI. USA
pete_m001@yahoo.com





Wing sheeting & fuse layout, This can be modified

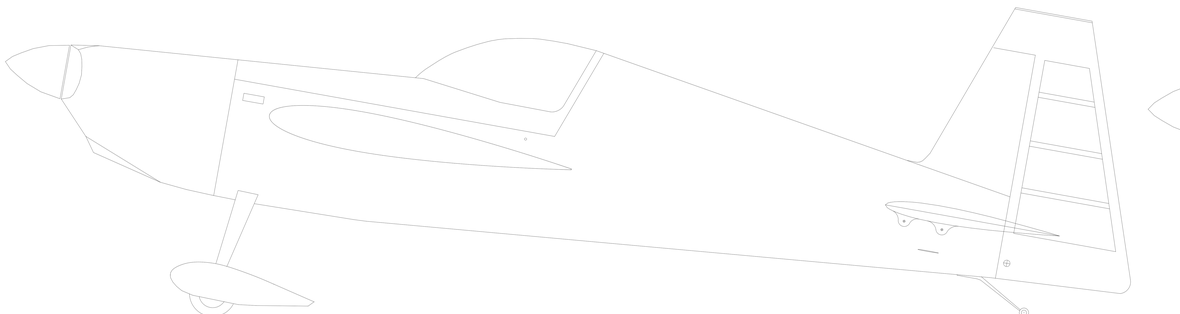
More sheeting can be added after R3 if a covering design requires it

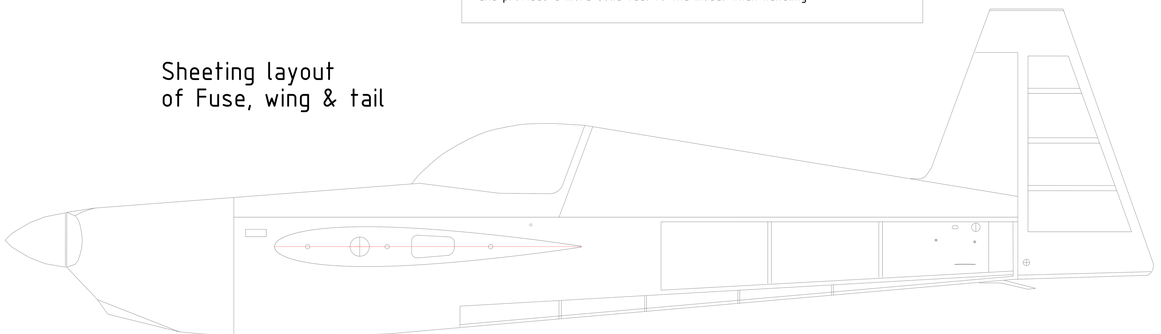
On this model type I've placed the wing tube in the spar center with a slight angle to it
because of this, the D box is almost parallel in its length. Not the most elegant looking but much stronger
I prefer this method of tube fixing instead of placing the tube in front of the spar at the root
and graduating the spars forward towards the tip to give a tapered D box, favoring strength over looks

Fuse sheeting notes:

The prototype was sheeted with very light 1/8 balsa as indicated
Weight gain was minimal but increased strength below the canopy
area was improved by continuing the sheet past TD1
and provides a more solid feel to the model when handling

Sheeting layout of Fuse, wing & tail





Edge 540 30% sport scale

Wing span: 88"
Wing area: 1406 sq/in
Length: 81"

Engine range: 50 - 60cc
Completed weight dry: 15.7 - 17 pounds

The designer assumes the builder has sufficient experienced when building the model to add further detail where needed.

Page 5 of 5

Ailerons Low Rates: 3/4" Up 1" Down
Elevator Low Rates: 3/4" U/D
Rudder Low Rates: 2" L/R

On 3D rates expo was set at 40%

CG set @ 5-3/4" from root LE

Designed & drawn by Peter Marshall. MI. USA
pete_m001@yahoo.com