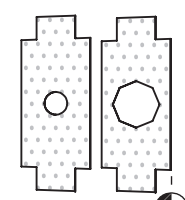
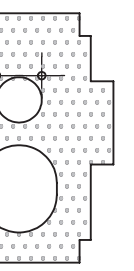




All Frames
1.5mm, plywood

Fuselage

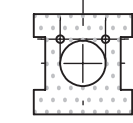
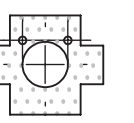
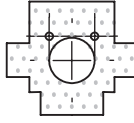
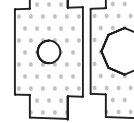
Tailboom could
be extended till frame 2



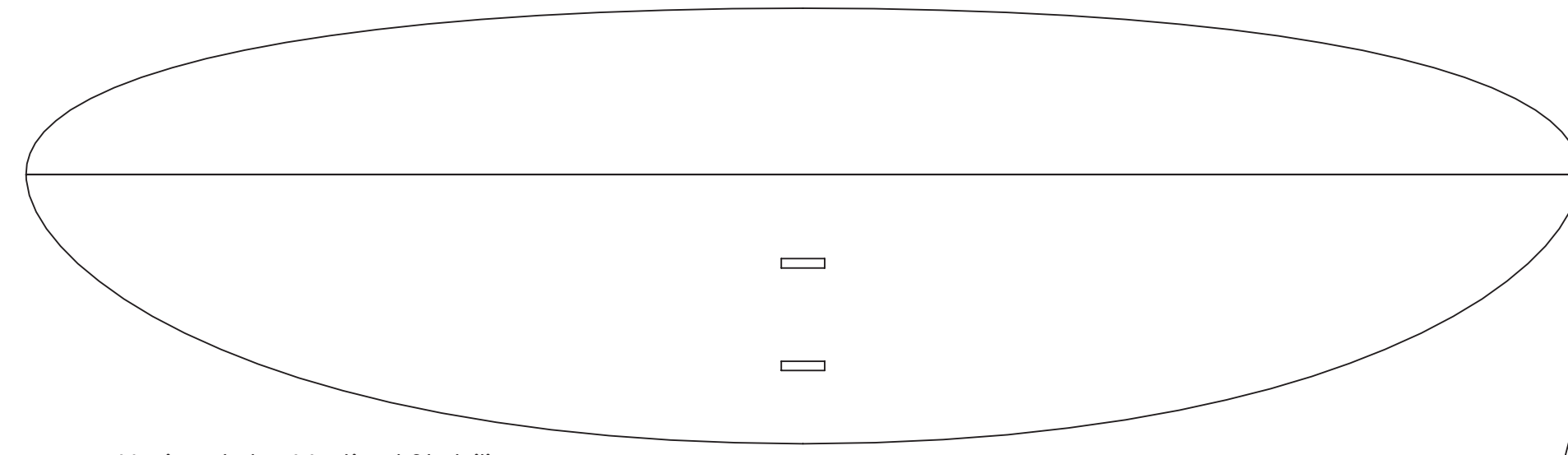
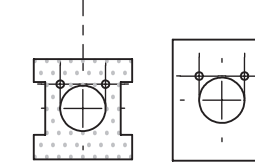
Balsa (optional)
Cover Support 1.5mm

Plywood
1.5mm Support

Balsa
Screw Support 1.5mm

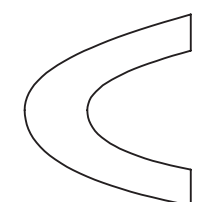
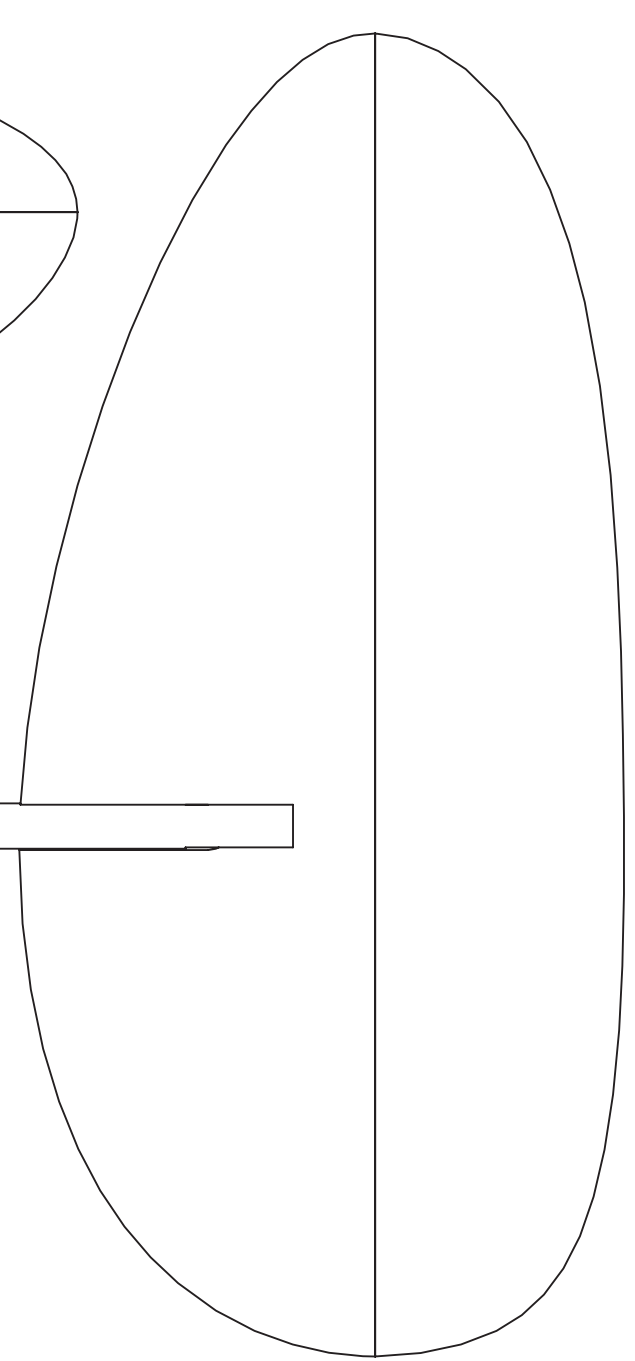
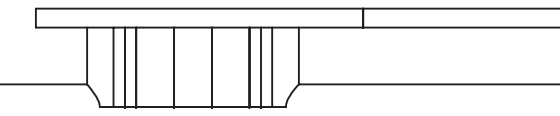


Tail Finish
2x5mm, Balsa

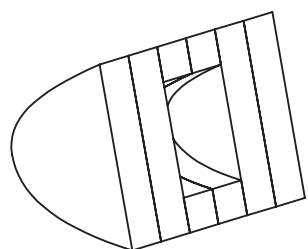


Horizontal & Vertical Stabilizer
2mm, Balsa

Rudderhorns
0.5mm, GFK



Nose Pieces
5mm, Balsa

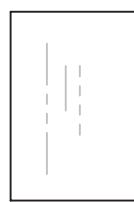
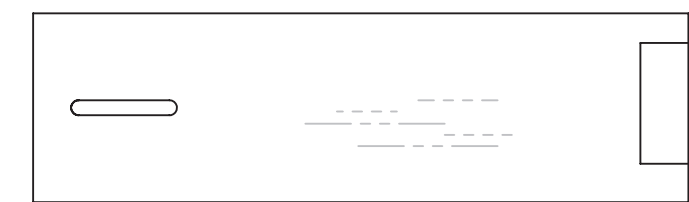
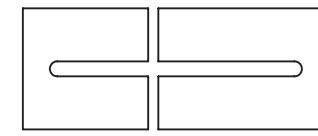


Inner wall
1.5mm, Plywood

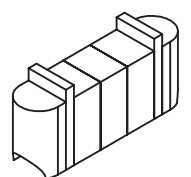
Outer Wall
1.5mm, Balsa

43
COG starting point
33% MAC

Covering and coverlid
1.5mm, Balsa



Grain Orientation



Drill Position
3mm

Drill Position
3mm

Rib01

Rib01a

Rib02

Ribs
Rib01: 1.5mm, Plywood
all other
1.5mm, Balsa

Rib21

Rib12

Rib13

Support Rib
Balsa 1.5mm

Outer Rib
Plywood 1.5mm

Angle:
First Two Ribs 11°

Webbing:
1.5mm balsa

Carbon roth:
Top & Bottom 5x0.5mm

PEG Wingtip
support cover with
Glassfiber

Drawing Cutout
fix Carbon to
working table

Wingtip
3x1.5mm, Balsa

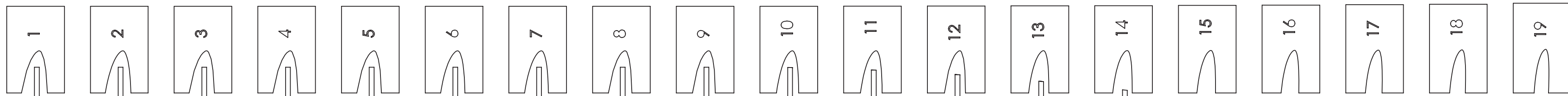
Peg Support:
Fill Spacing between top and bottom cover with
balsa(both wings).

Carbon roth:
5x0.5mm

Optional: no webbing 19 fill Top/Bottom spar

LEFT WING

RIGHT WING



Noselist
5x5mm balsa
sanded according templates

Top View

Bottom View

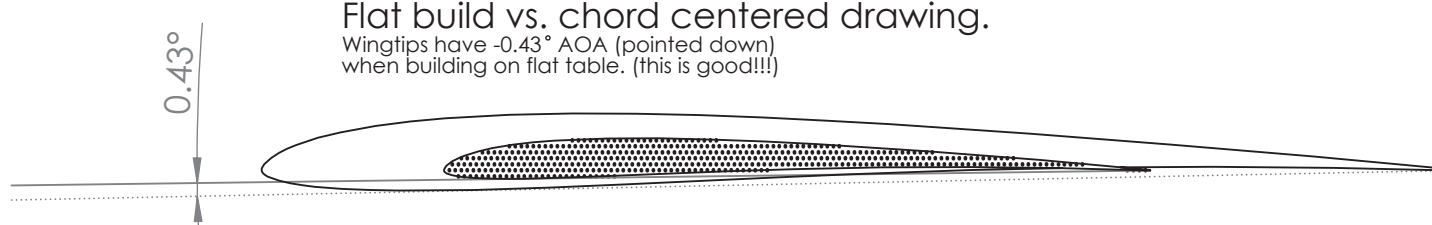
Top Cover
incl. Final Ribs

Note:
Bottom carbon spar **true** final ribs
Top carbon spar over final ribs

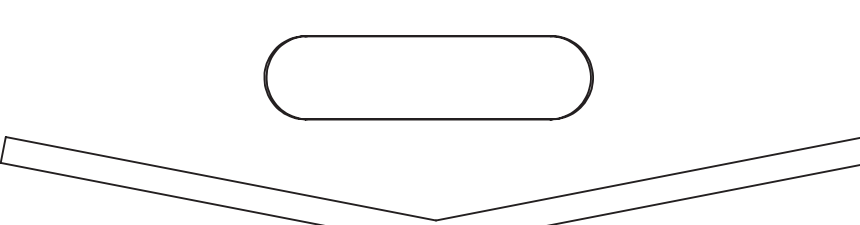
Bottom Cover
excl. Final Ribs

Flat build vs. chord centered drawing.

Wingtips have -0.43° AOA (pointed down)
when building on flat table. (this is good!!!)



Throwing peg and wing joint
1.5mm, GFK



Drawing for personal hobby non commercial use.

SCALE:1:1

Design:
Vincent Preemen

TITLE:

ALF DLG

DWG NO.

20150814

A1