Align "+" marks to make complete template.
Cut fuselage from 6mm Dupron.

**Fuselage Template**
**MINI-E-BIPE II C/L**
Designed and Drawn By Carl Hock   Sept 2011
Inspired by Lou Roberts 1/2A C/L "Mini-Bipe"
originally published in Flying Models Magazine.
Align "+" marks to make complete template. Cut fuselage from 6mm Dupron.

Fuselage Template

MINI-E-BIPE II C/L

Designed and Drawn By Carl Hock  Sept 2011
Inspired by Lou Roberts 1/2A C/L "Mini-Bipe" originally published in Flying Models Magazine.

Sheet 2 of 2
Align "+" marks to make complete template.
Cut fuselage doublers from 6mm Dupron.
Align '+' marks to make complete template. Cut fuselage doublers from 6mm Dupron.

**Fuselage Doubler Templates**
**MINI-E-BIPE IIa C/L**

Designed and Drawn By Carl Hock Oct 2011
Inspired by Lou Roberts 1/2A C/L "Mini-Bipe"
originally published in Flying Models Magazine.
Bend slightly in this area for tight friction fit in landing gear mount box.

.032" Dia. Music Wire
Tail Skid
(Loop is for Launching Stage)

.055" Dia. Music Wire
Main Landing Gear

1/16" Heat Shrink Tube (Typ.)
Use thin cyanoacrylate glue to lock in position after assembling on model and adjusting to correct length.

Kelvar Thread
Use thin cyanoacrylate glue after tying.

Landing Gear Box Assembly

Push Rod Side View
1/16" Dia. Carbon Fiber Push Rod

Push Rod Top View

Landing Gear and Elevator Push Rod
MINI-E-BIPE IIa C/L
Designed and Drawn By Carl Hock Oct 2011
1/16 in Aircraft Plywood

1/32 in Aircraft Plywood

1/64 in Aircraft Plywood

Wood Parts
MINI-E-BIPE IIA C/L
Designed and Drawn By Carl Hock  Oct 2011

Make using 1/16 in Dia. and 1/4 in Dia Hole Punches

(8 required)
Align "+" marks to make complete template. Cut wings from 6mm Dupron.
Align "+" marks to make complete template. Cut wings from 6mm Dupron.
Align "+" marks to make complete template. Cut wings from 6mm Dupron.
Align "+" marks to make complete template. Cut wings from 6mm Dupron.
After cutting elevator from stabilizer bevel bottom to this line.

After cutting rudder from stabilizer bevel to achieve offset on plan.

Cut from 6mm Dupron.
Bellcrank Assembly

Bellcrank Pattern
Make from 1/16 in Phenolic
.050 in Aluminum or similar material.

1/16 in Dia. Carbon fiber solid rod cabane

1/16 in X 1/4 in Scrap Balsa Pinned to building board form gluing fixture.

Bellcrank and Cabine Assembly Fixture
MINI-E-BIPE II C/L
Designed and Drawn By Carl Hock  Sept 2011
Mini-E-Bipe II C/L
Wing Assembly Fixture
Make from 1/4 in Thick Foam Board
(2 Required)

Notches are for light rubber bands used to hold wings in position

Designed and Drawn By Carl Hock   Sept 2011