Half of Wing
Leading & Trailing
Edges are medium-to-light 1/16" square balsa

Wing Construction
Add-on to plan or redraw to include right wing. Place plan on a soft board such as foamcore or a piece of ceiling tile. Lay waxpaper or clear plastic over plan to prevent sticking.

Then build wing frame over the plan, holding parts down with pins. Do not pin through the pieces, but cross pins over the pieces:

Slice rib from a piece of light 1/16 sheet balsa using a drafting curve or homemade template.

Cover wing on top only with lightweight tissue. Do not tighten or dope the tissue as that will warp the wing.

1.25" Dihedral

Horizontal Stabilizer
Mount on top of vertical tail

Wing center section has no dihedral

Note spliced dihedral joints

Optional wing tip:
- Can use instead of dihedral
- steering will be more difficult
- use light 1/32 sheet balsa
- mount straight up from tip, or tilted outward slightly

You can find light balsa by holding it up to a bright light or a window. Where more light comes through the wood, it is lighter.

“Club Racer 2007”
14” span lightweight glider model
Design by David Aronstein, 12/04 updated 4/07
Fly according to the Walkalong Glider concept of Tyler McCready, et al (see Patent 5100357)

Add clay
Take off clay
Draw windows & wheels onto body with pen or marker
Balance point

Add weight (clay) to nose until model balances correctly, then fine-tune by test gliding

Body: med/light 1/32 sheet or very light 1/16 sheet balsa
Tail: very light 1/32 sheet balsa

Round corners
Glue vertical tail alongside body

Grain
Grain
Grain