The notch in the fuse is drawn to accommodate the 10mm plastic motor mount from Hobby City.

The front axle is a 16" long 1/8" carbon tube with a 5 1/2" lenght of 1/16" music wire glued in.

Wrap the ends of the carbon tube with strong thread for about 3/4" and glue with thin CA.

The rear axles are 6" long 1/16" carbon rods, hot glued to the bottom of the elevon.

All control throws about +- 45 degrees.

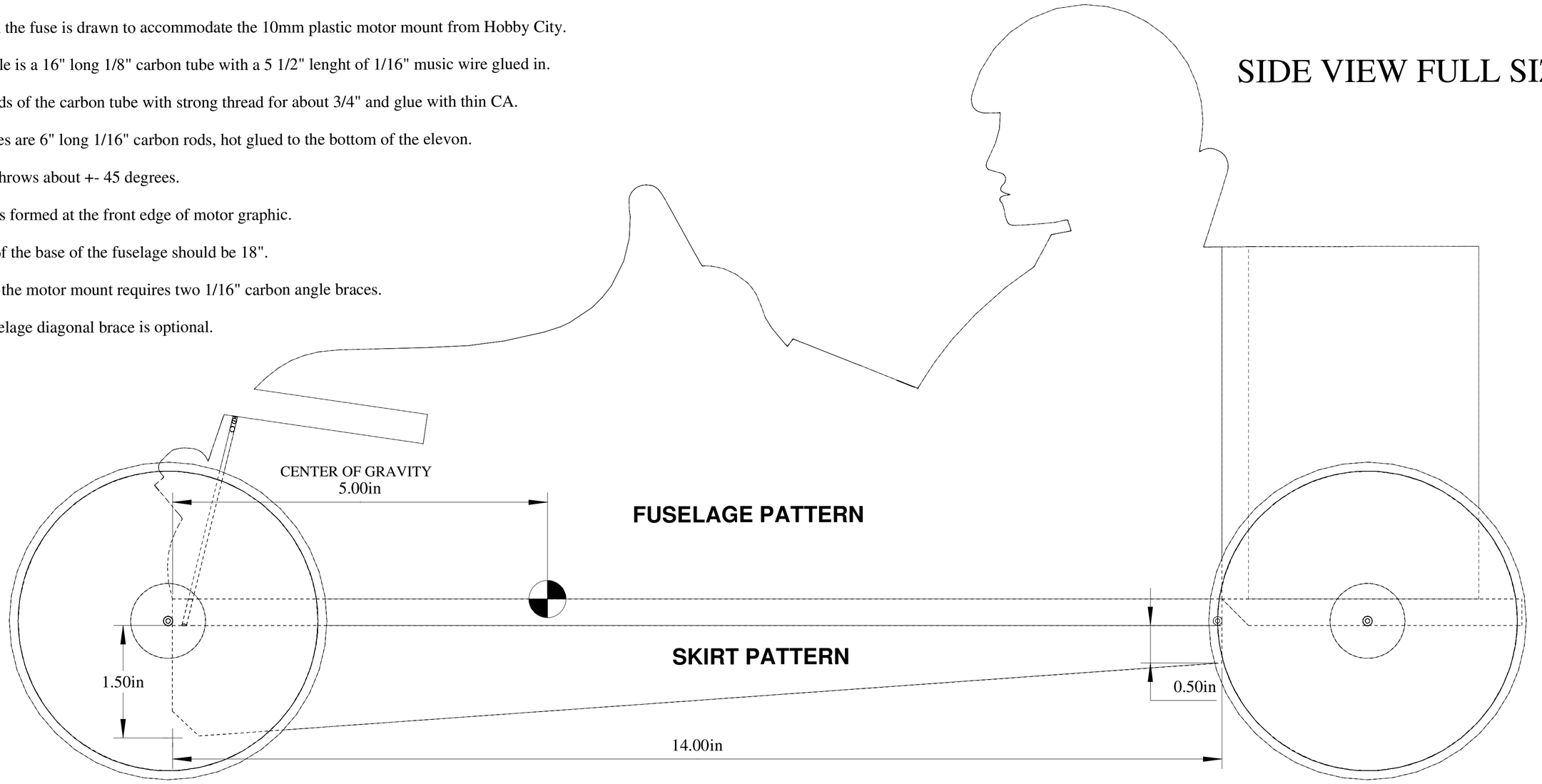
The rudder is formed at the front edge of motor graphic.

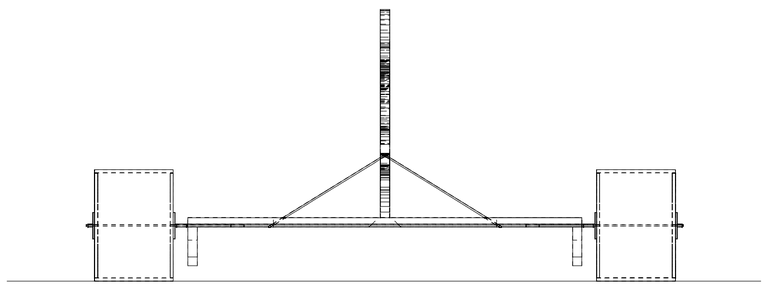
The length of the base of the fuselage should be 18".

The front of the motor mount requires two 1/16" carbon angle braces.

The rear fuselage diagonal brace is optional.

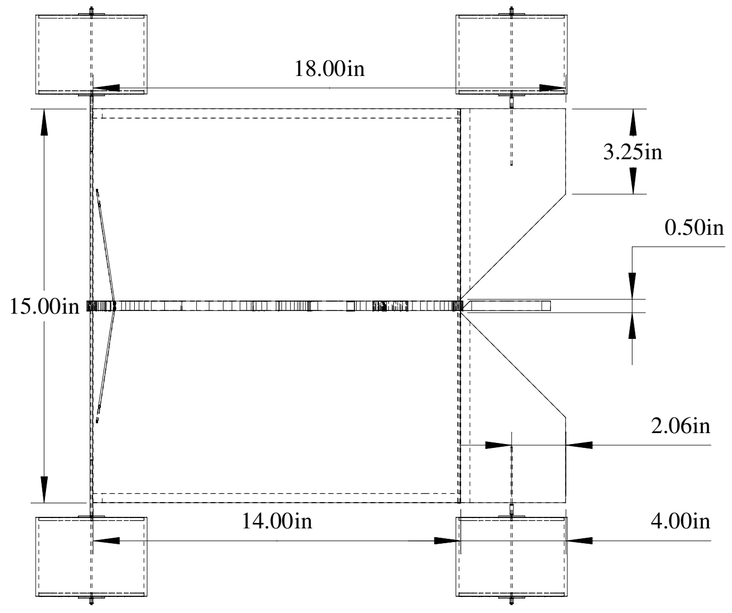
SIDE VIEW FULL SIZE



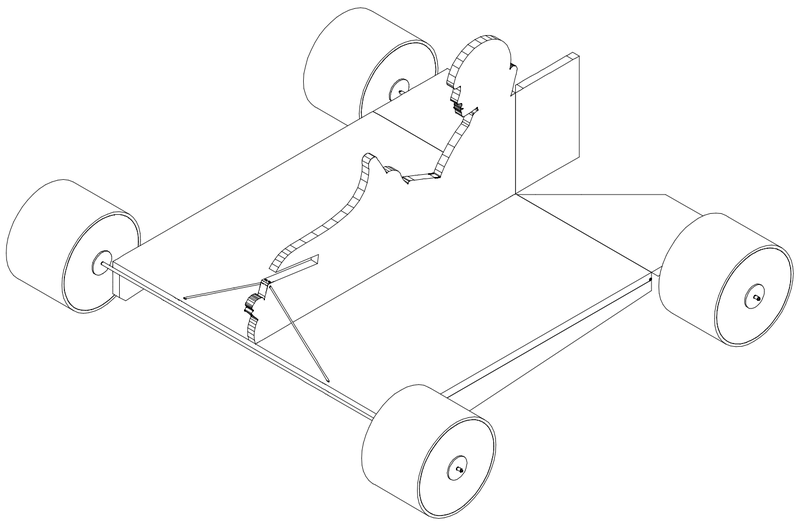


FRONT VIEW 1/4 SCALE

WHEEL DETAIL:
EACH WHEEL CONSISTS OF TWO 4" DIAMETER DISCS OF 3MM EPP, WITH 1" DIAMETER x 1/16" PLYWOOD CENTER REINFORCEMENTS.
THESE ARE HELD IN PLACE BY ONE WRAP OF 3" WIDE 3MM EPP AROUND THE OUTSIDE FORMING THE TREAD AREA OF THE WHEEL.



WING PLAN FORM LAYOUT 1/4 SCALE
AIRFRAME MATERIAL IS 9MM 1.3# EPP



SkyCart by Leadfeather

CAD by DZ1SFB

23 August 2009

Because of the weight of the rear wheels, you need to keep everything else fairly far forward.

The arrangment worked out nicely with no servo extensions required.

9 gram servos for the elevons, 5 gram for the rudder. This arrangement got the battery right about at the cg.

For the push rods, I used .032" wire with small plastic tube supports. Light weight and a little give to help prevent those servos from stripping.

I put all the guts on top in case it will run on grass. I want the electronics to stay dry and not snag stuff.