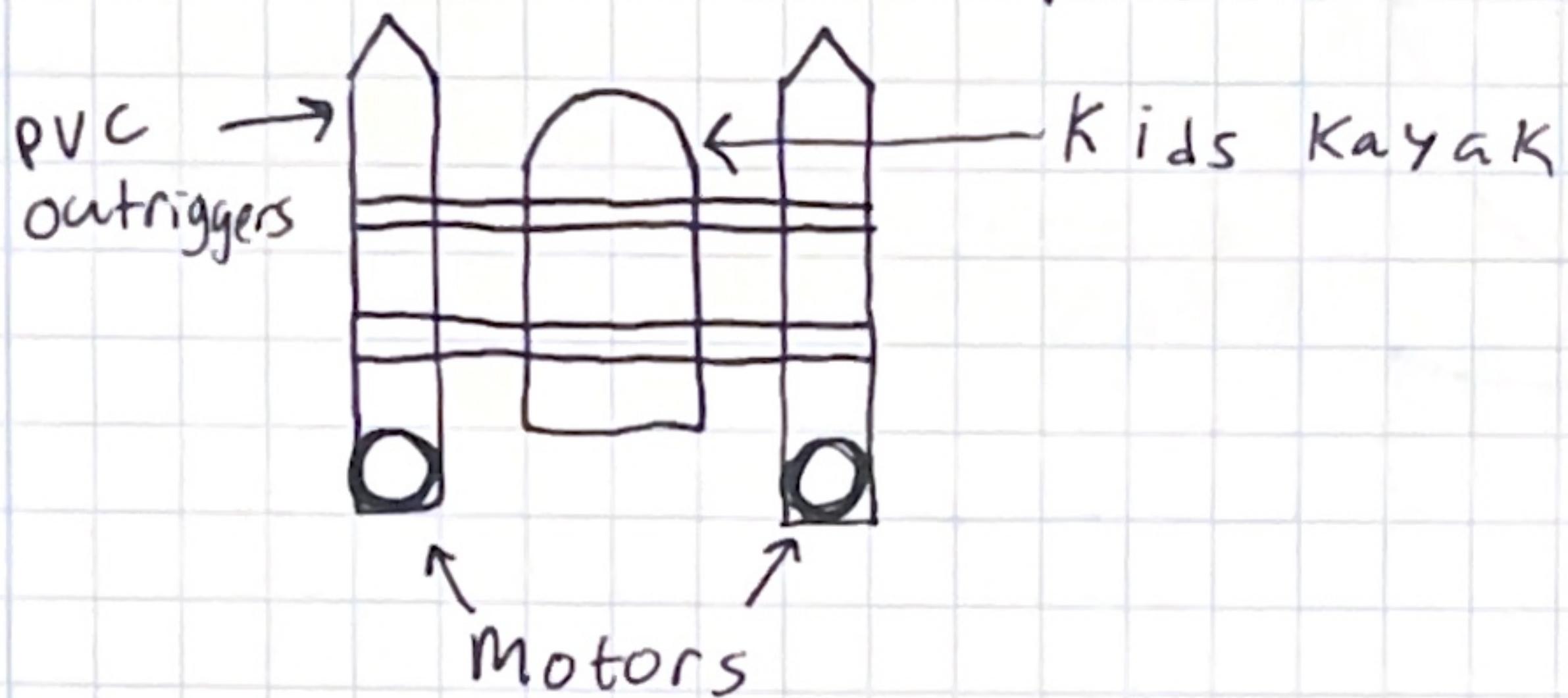
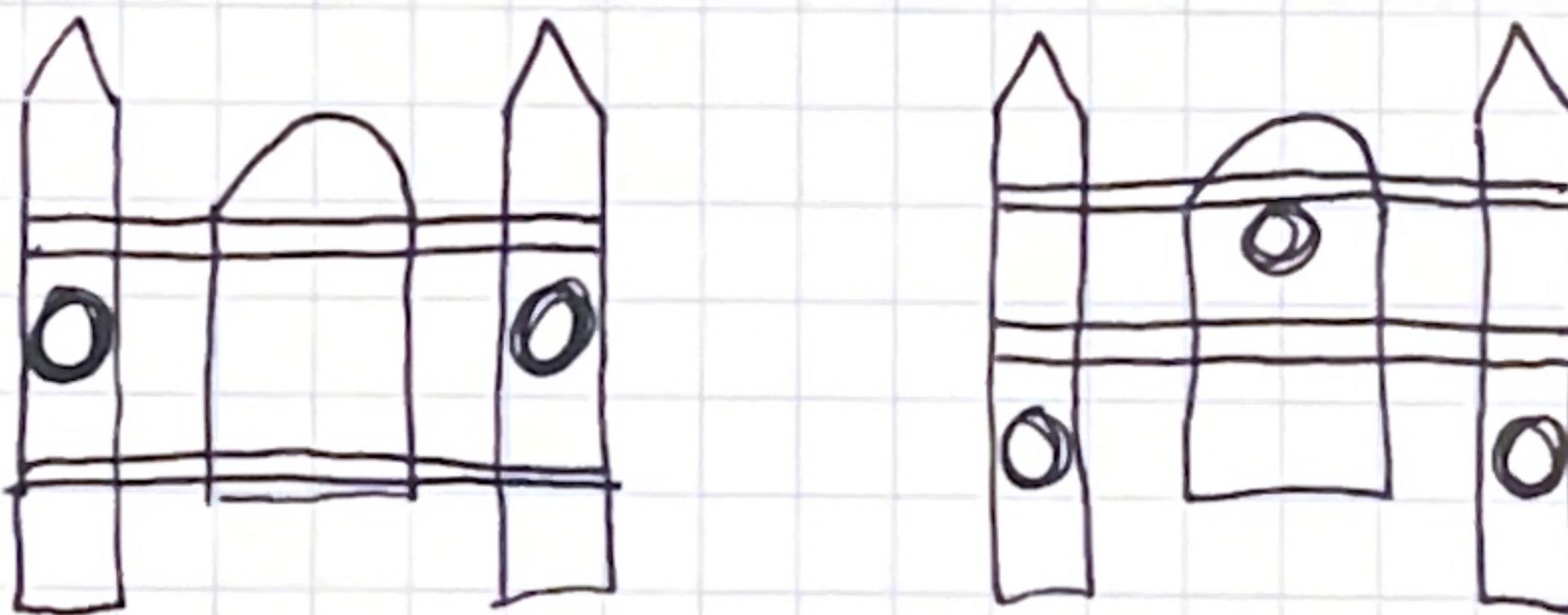


- Putting the boat together and taking it apart takes a long time. It made it easier to transport in smaller vehicles though. For new designs, consider the size. Will it fit in a car, SUV, or truck?
- We used a "tank drive" control for adjusting the heading. One motor forward and one in reverse will cause a pivot.

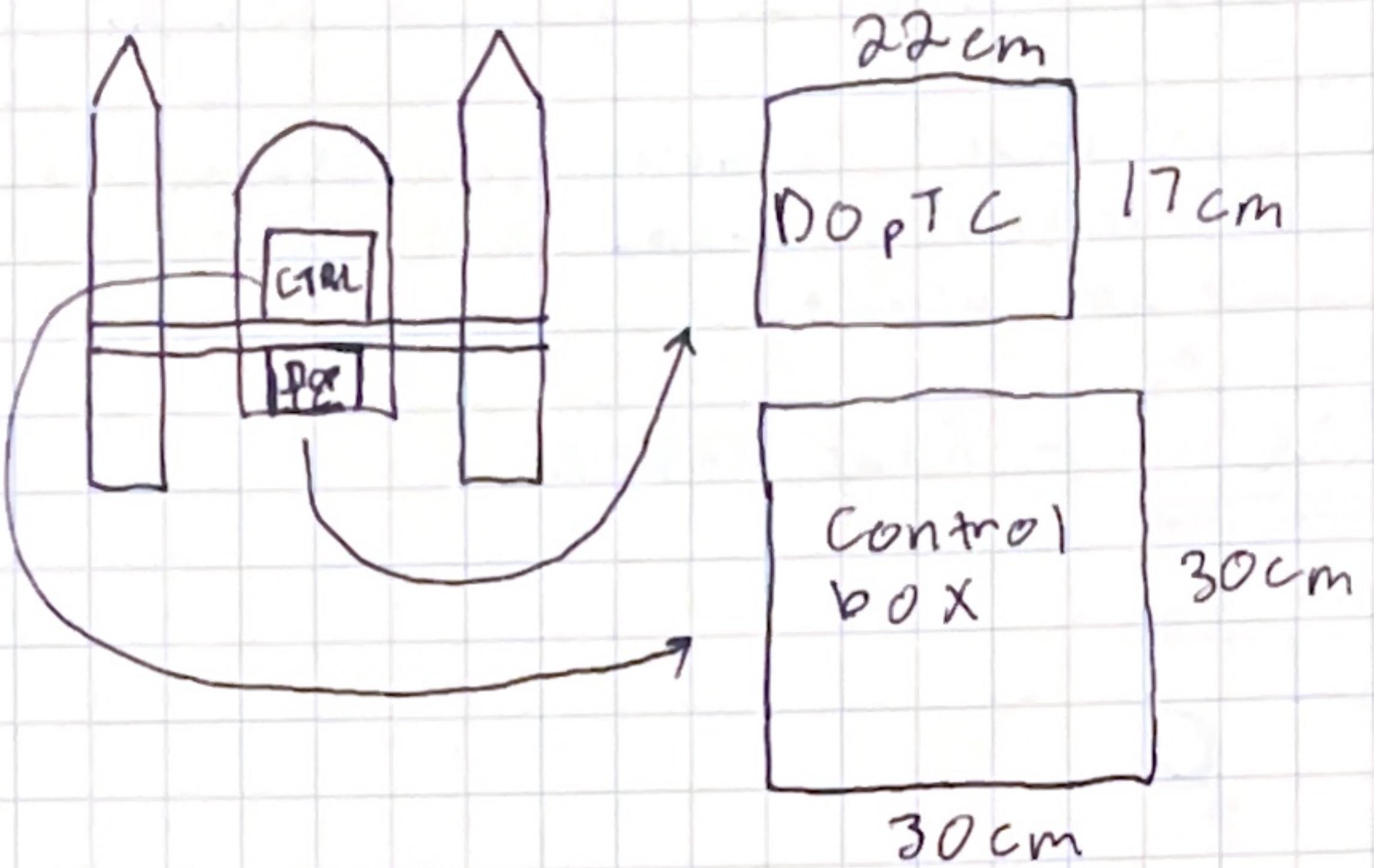


We considered a design where the motors are centered: OR even adding a third motor.



- The Kayak is big (6ft x 4ft) so the current of the water doesn't push it around very much. For a smaller design, this may not be true.
- The outriggers add stability and provide mounting points for the motors and other sensors.

- DOpTC (our environmental sensors) sit on the back of the Kids Kayak and have a 3D printed mount to attach to the PVC outriggers.



DOpTC and the control box are connected by a 5 pin wire. It provides power, I2C, and 1-wire to a PCB that sits in the DOpTC box. A smaller design may want to put these two together.