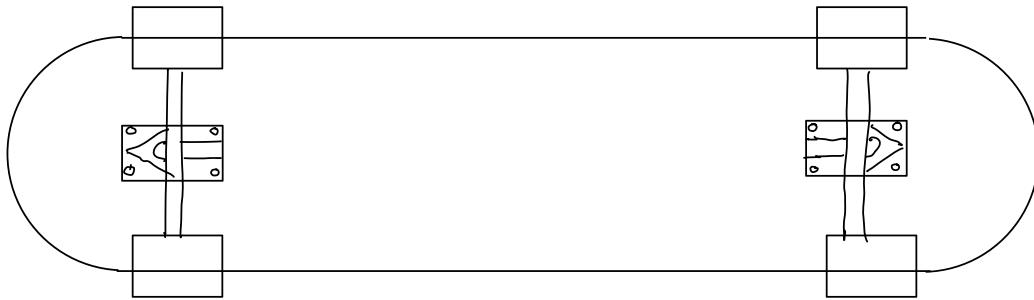
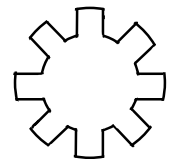
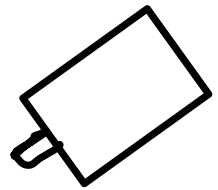
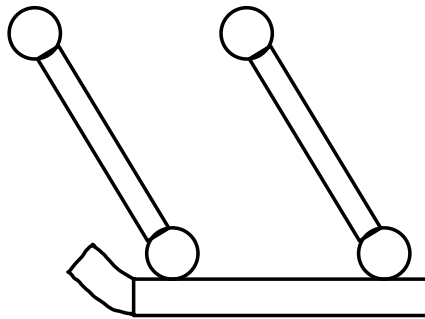


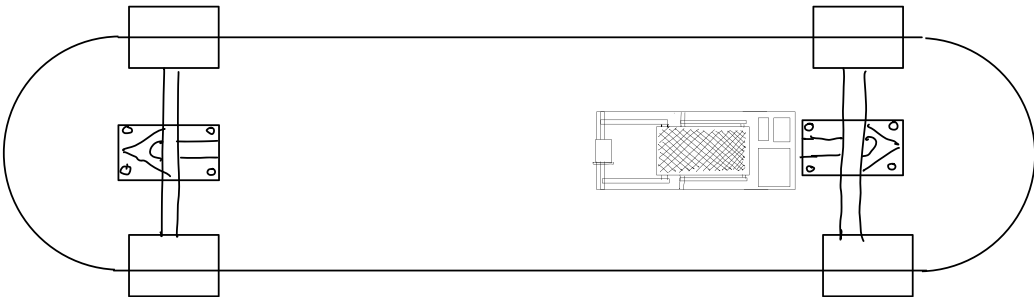
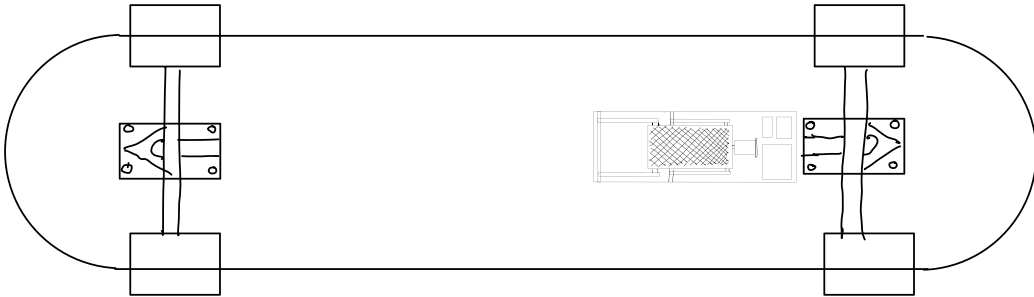
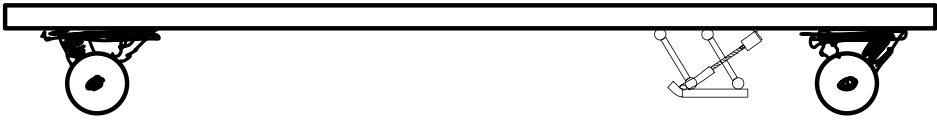
templates

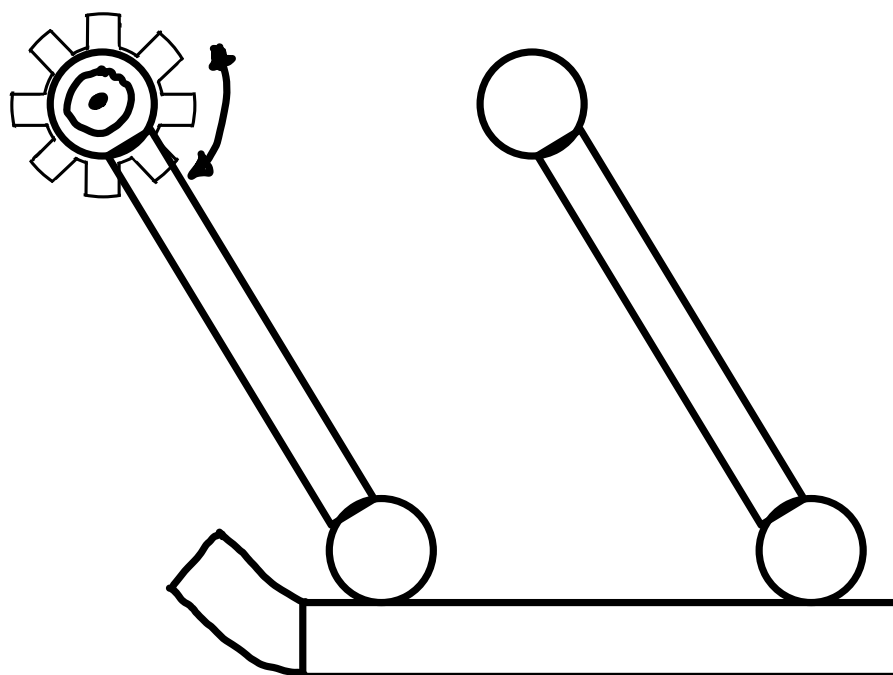
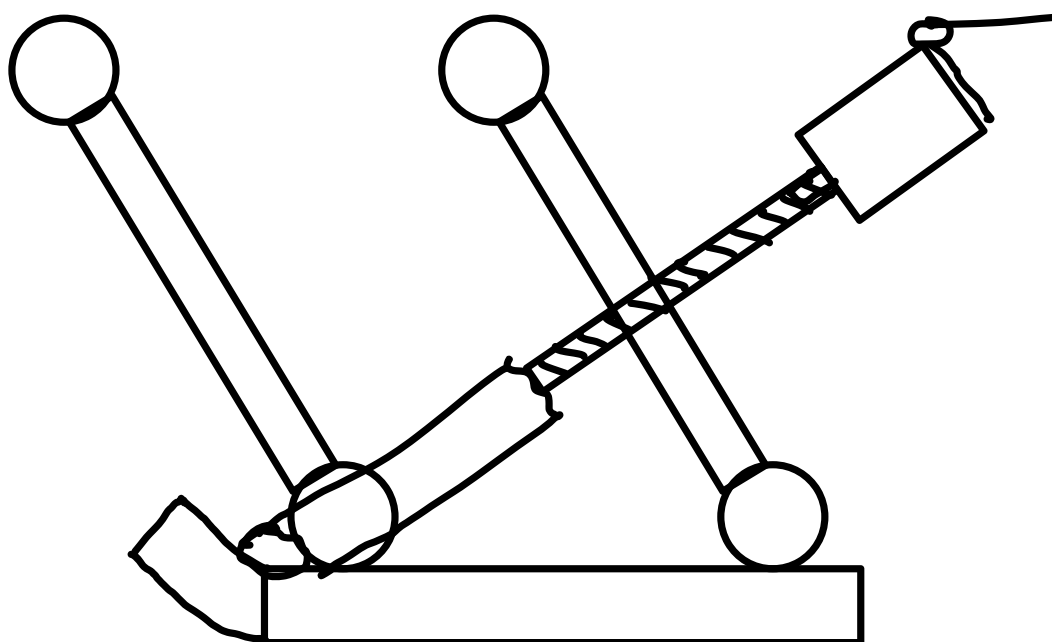
Bottom

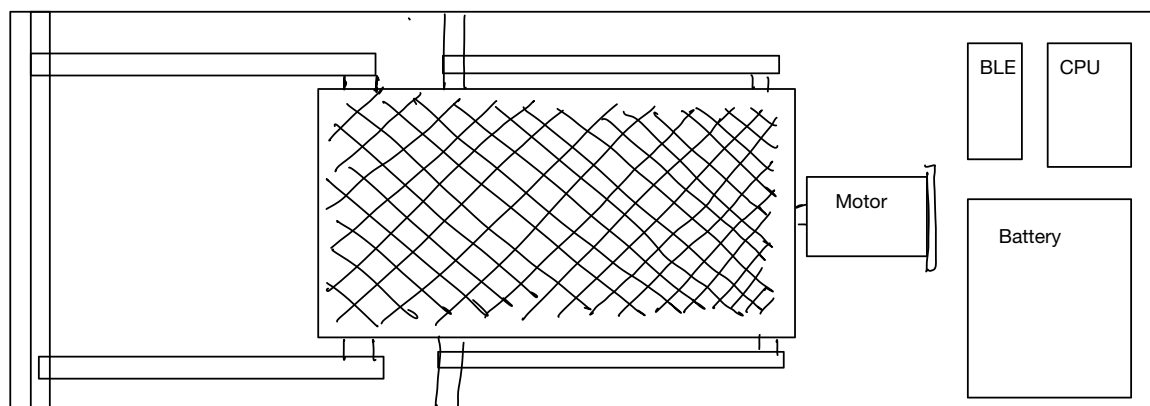
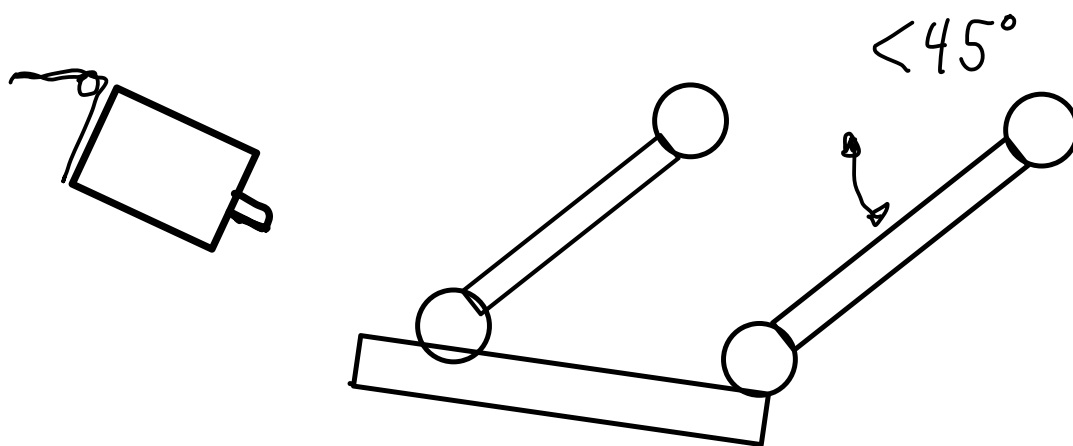


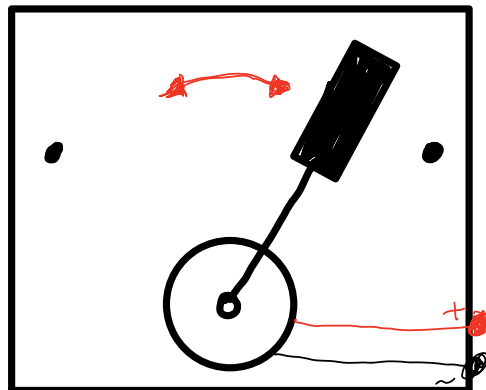
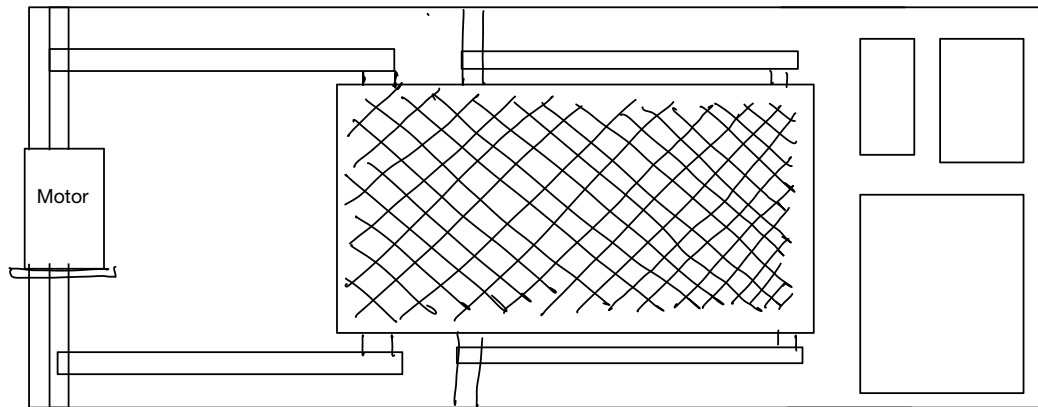
Side



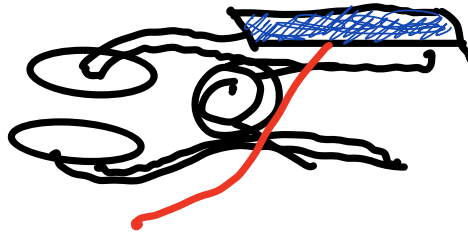




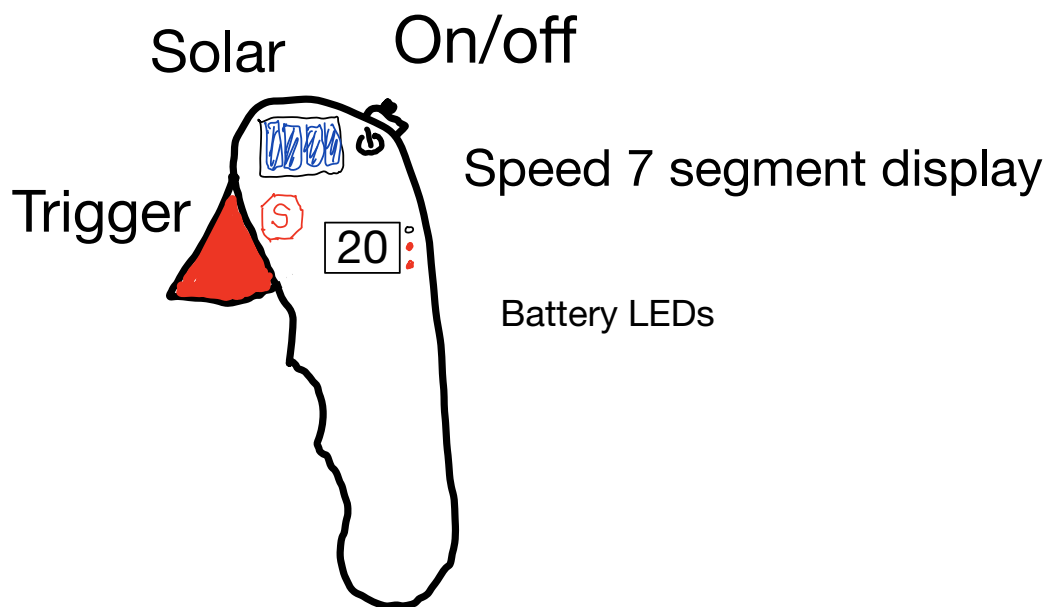




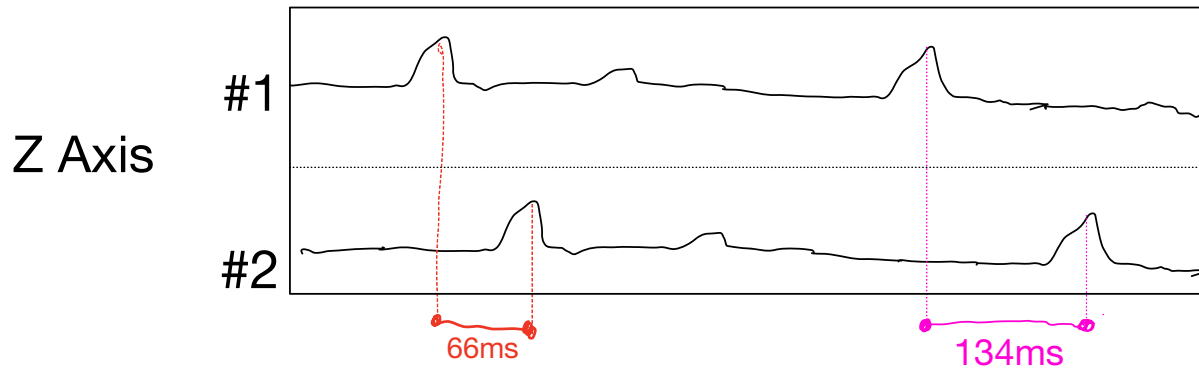
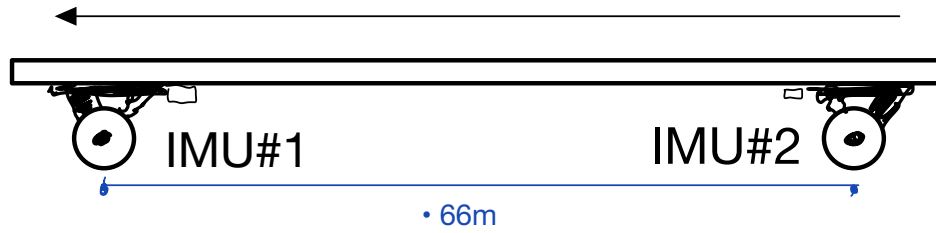
Regenerative power,
Motion of pushing causes
weight to move charging the
battery. Pins keep weight at
ideal max angle.



Solar clip



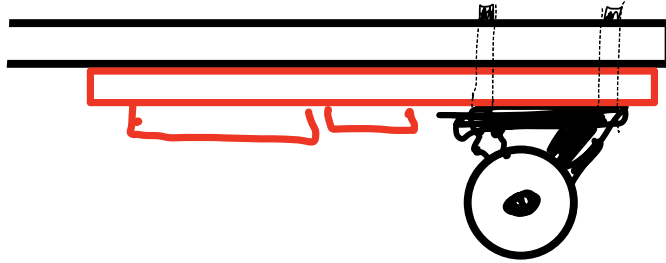
IMU Speed



$$\frac{\bullet 66\text{m}}{\bullet 066\text{s}} = 10\text{m/s}$$

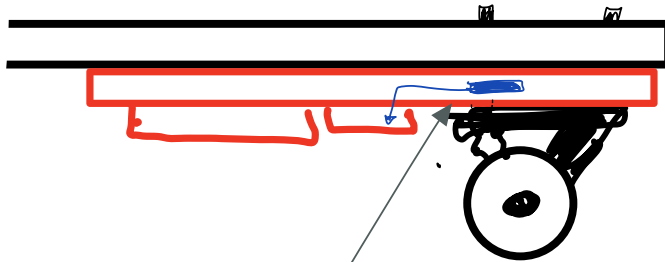
$$\frac{\bullet 66\text{m}}{\bullet 134\text{s}} \cong 5\text{m/s}$$

No -drill mounting

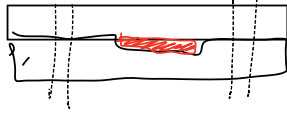


Maybe have different metal plate base shapes to accommodate all boards.

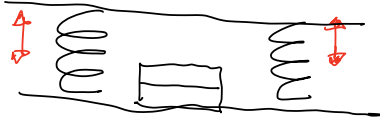
Auto-brake on fall



Force sensor to detect fall event



Force sensor can rest
in sandwiched between layers
of spacers to reduce
max force for cheaper parts



Functional diagram