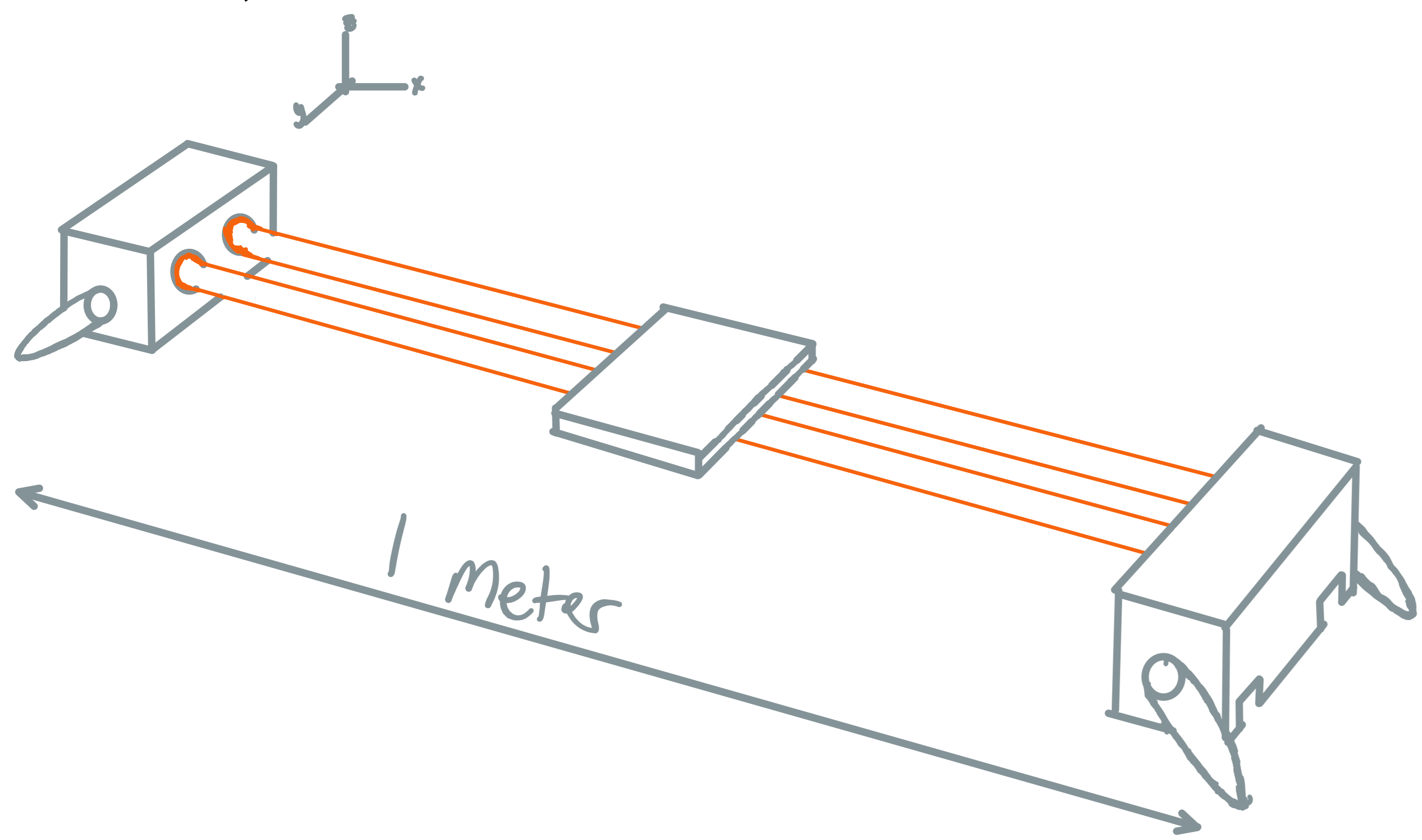
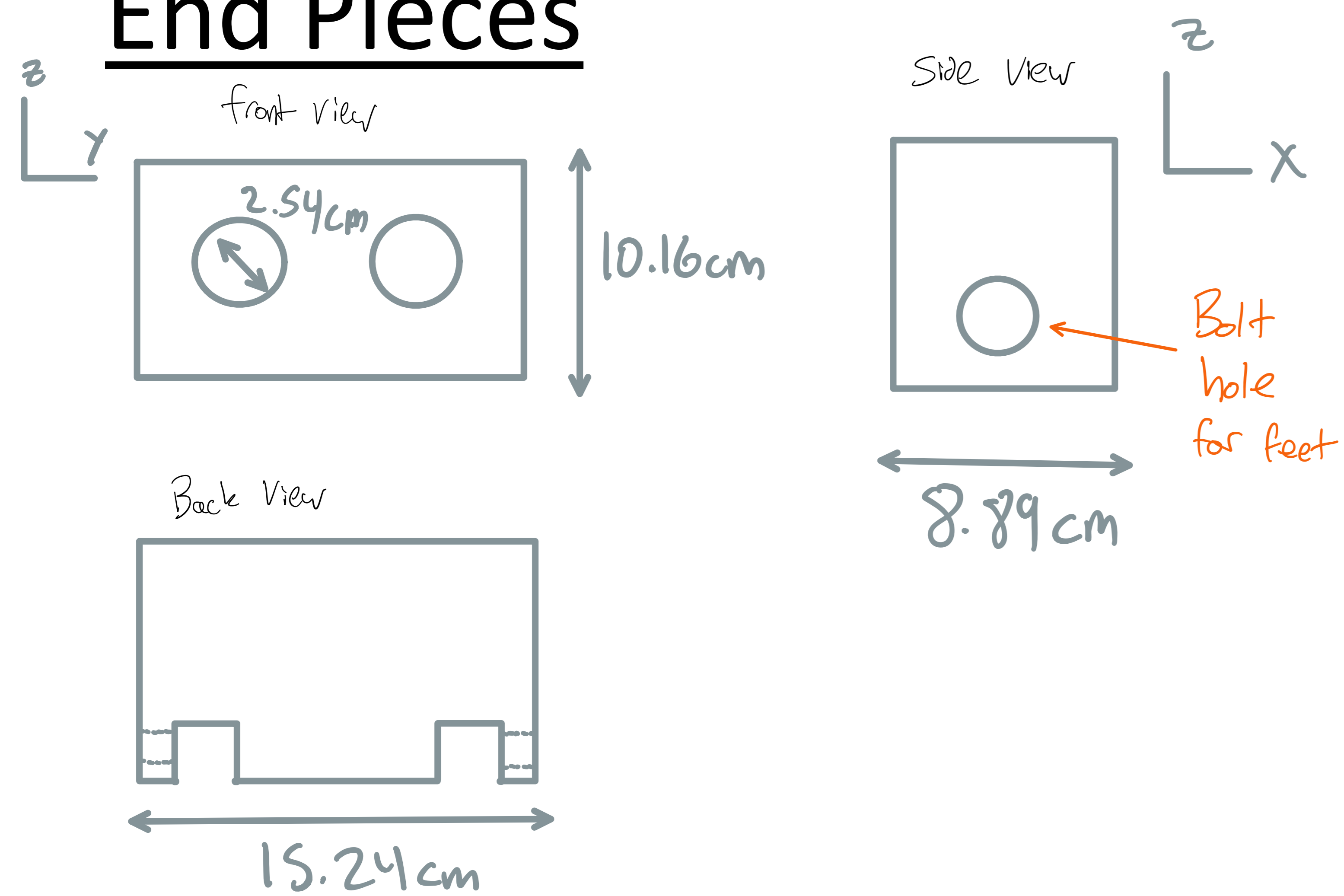


1st Design



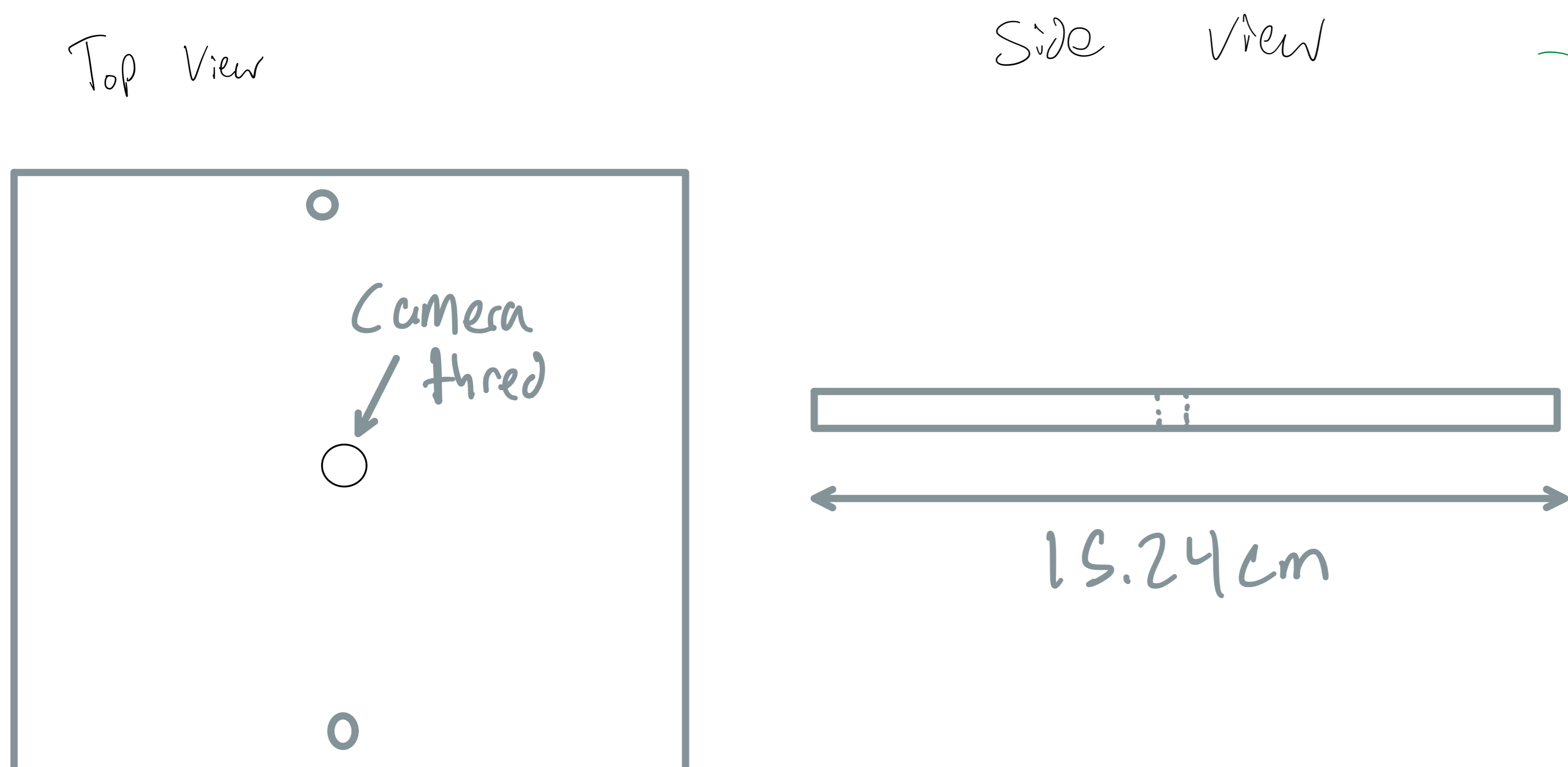
End Pieces



Feet for end piece



Camera Plate



Bolts for belt have to be in line so they don't create a moment about the camera thread - this will allow plate to slide on rails smoothly w/ less friction.

Constraints

- Ability to use on any incline less than 45°
- Controller must have intervalometer functionality and be able to use w/ camera
- Slider must operate in temps between $-10^\circ\text{C} - 32^\circ\text{C}$

Potential Components

- 3D Printed Parts
- Arduino Mega
- Arduino Screen for controlling
- LiPo Battery
- Belt
- 1 motor
- bolts
- sprocket for belt
- copper wire