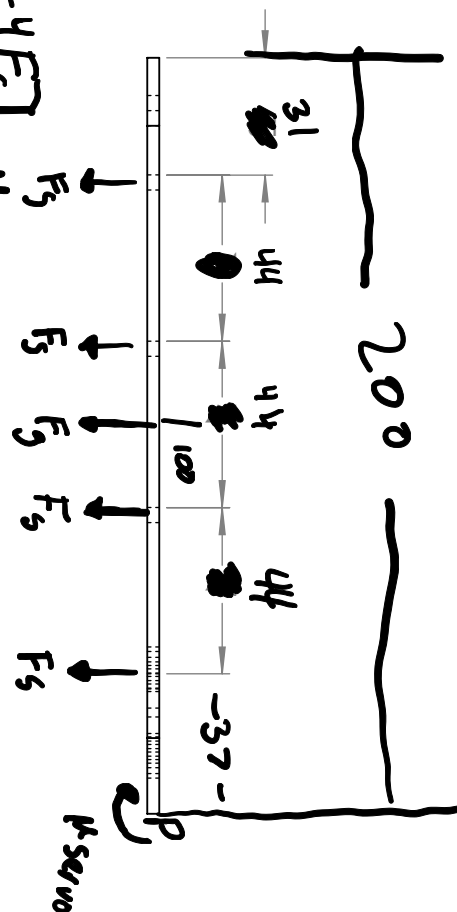
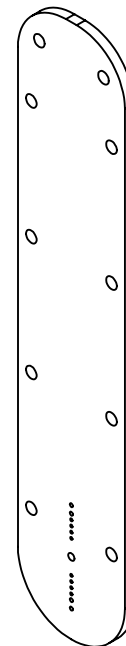


$$.85g / 1000 = .00085$$

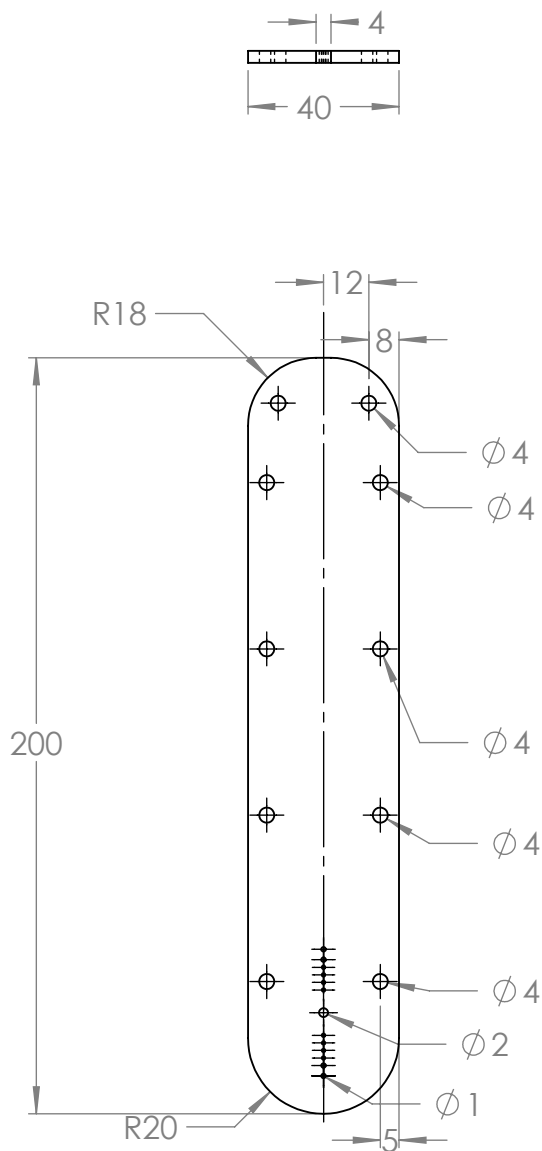
$$F_3 = .0085 \text{ N}$$

$$F_9 = .28 \cdot 10 = 2.8 \text{ N}$$



$$\sum M_p = 0 = 2[F_3 + 4F_3] - M_{servo}$$

$$M_{servo} = 2F_3 + 8F_3 = 2 \cdot 2.8 + 8 \cdot .0085 = 5.6 + .068 = 5.668 \text{ N/m}$$



Material: Laser cut acrylic

Scale: 1:2	Title: Arm-faceplate	ENES100 Spring2022
Units mmgs	Drawn by: William Bauer	Date: 3/14/2022