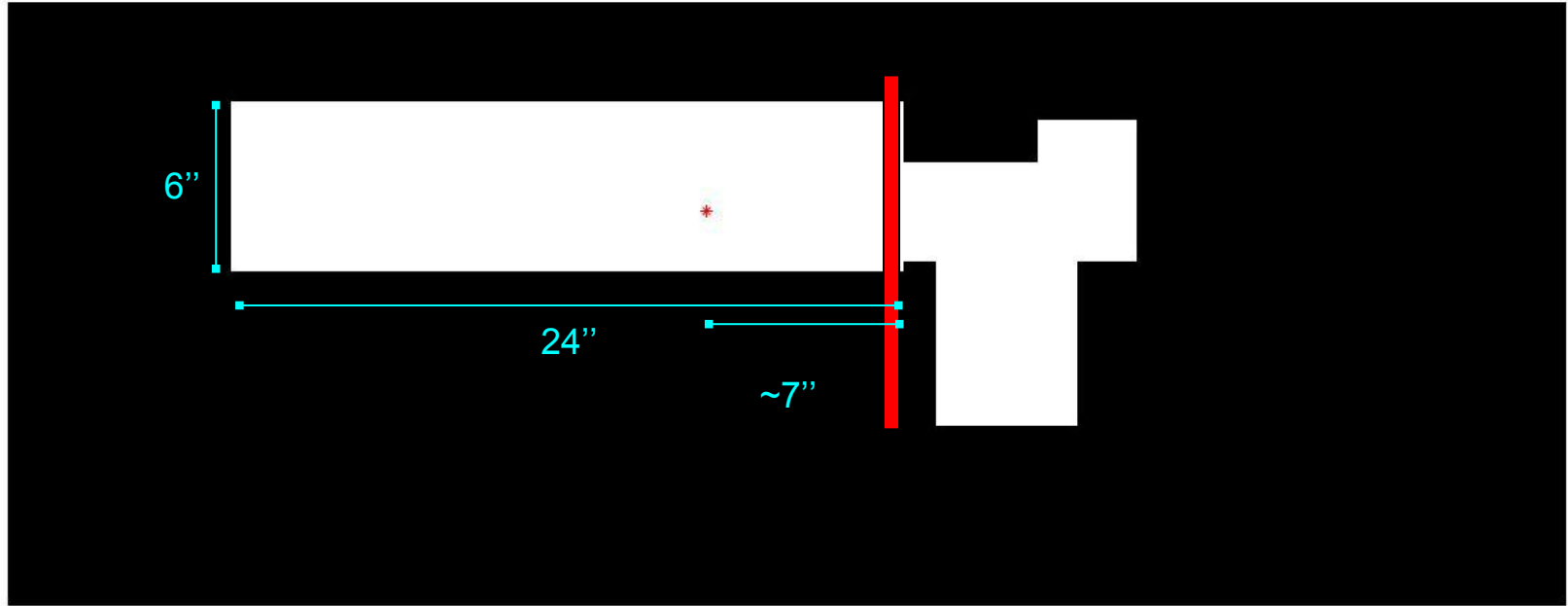


Sail Calculations

...

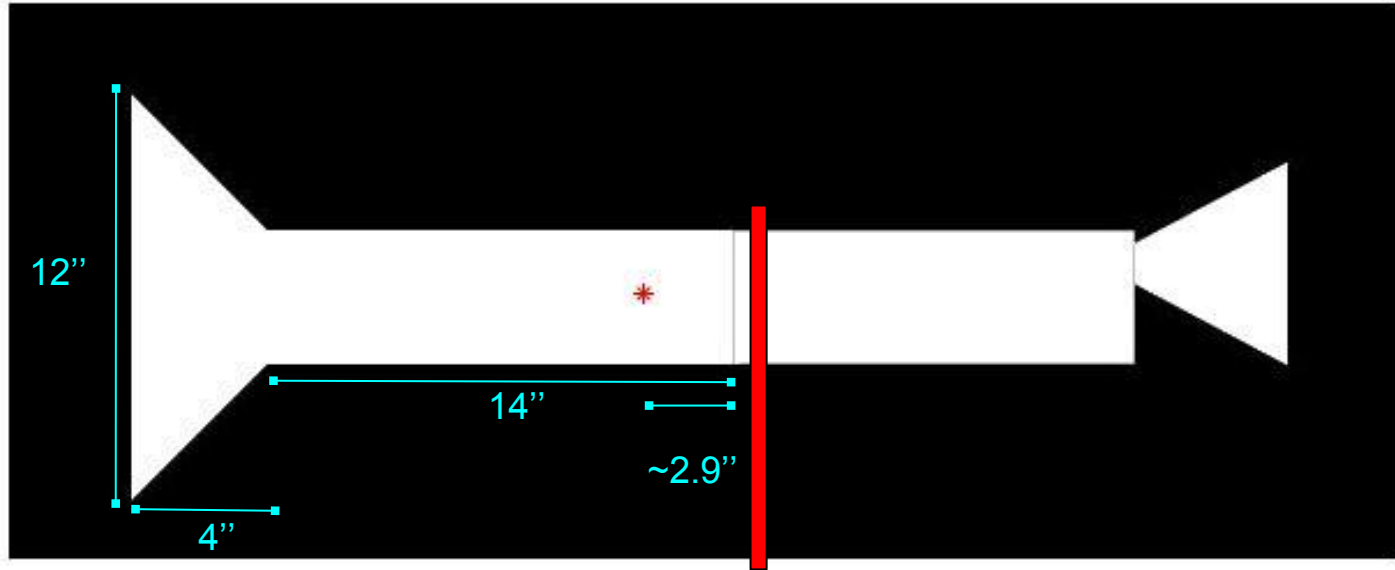
$$\tau = F \times r$$

Model 1 Design and C.P. Position



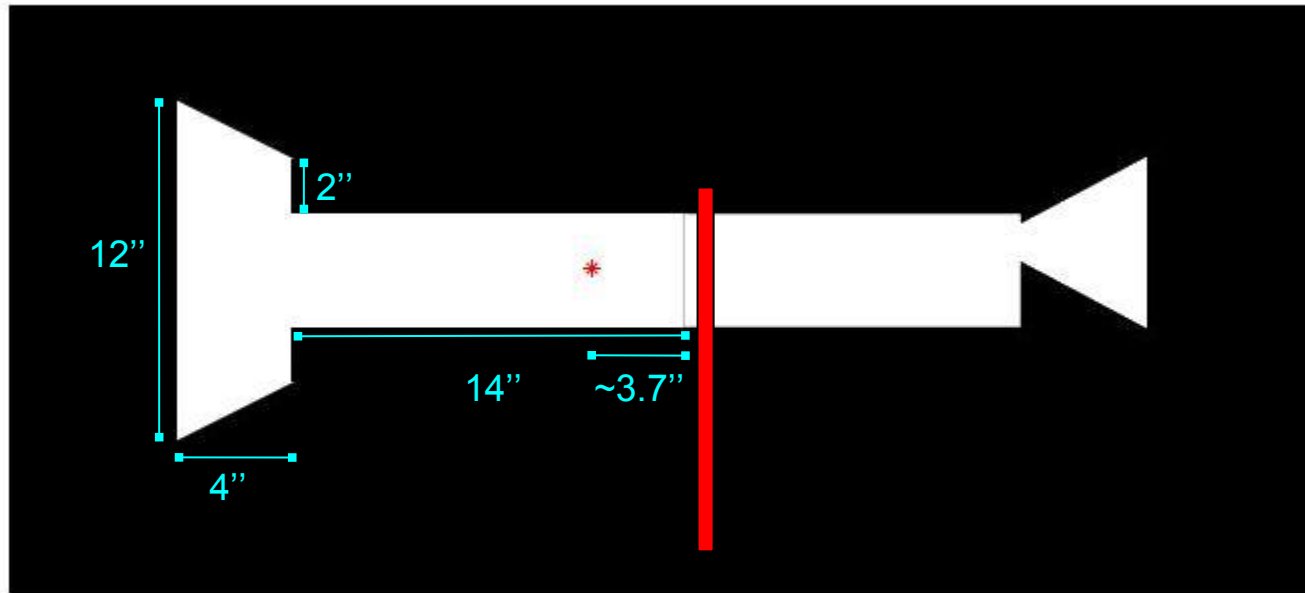
$$\tau = F \times r$$

Model 2 Design and C.P. Position



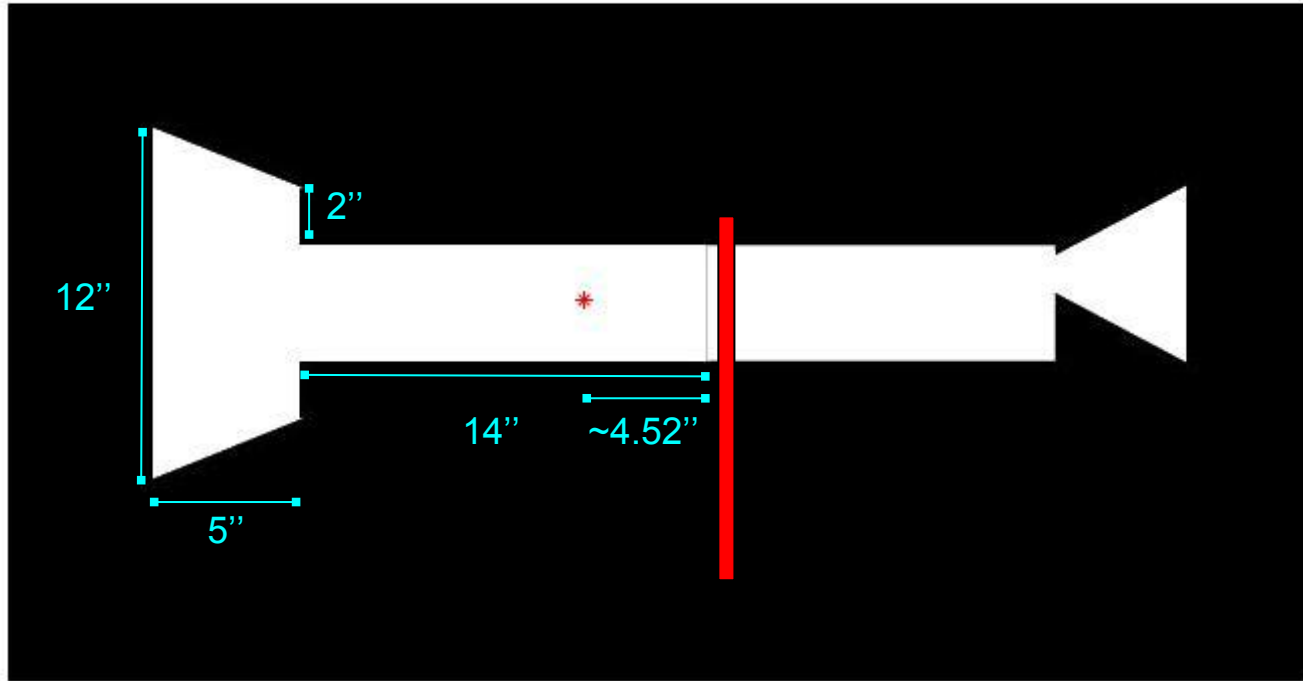
$$\tau = F \times r$$

Model 2 Design and C.P. Position Cont.



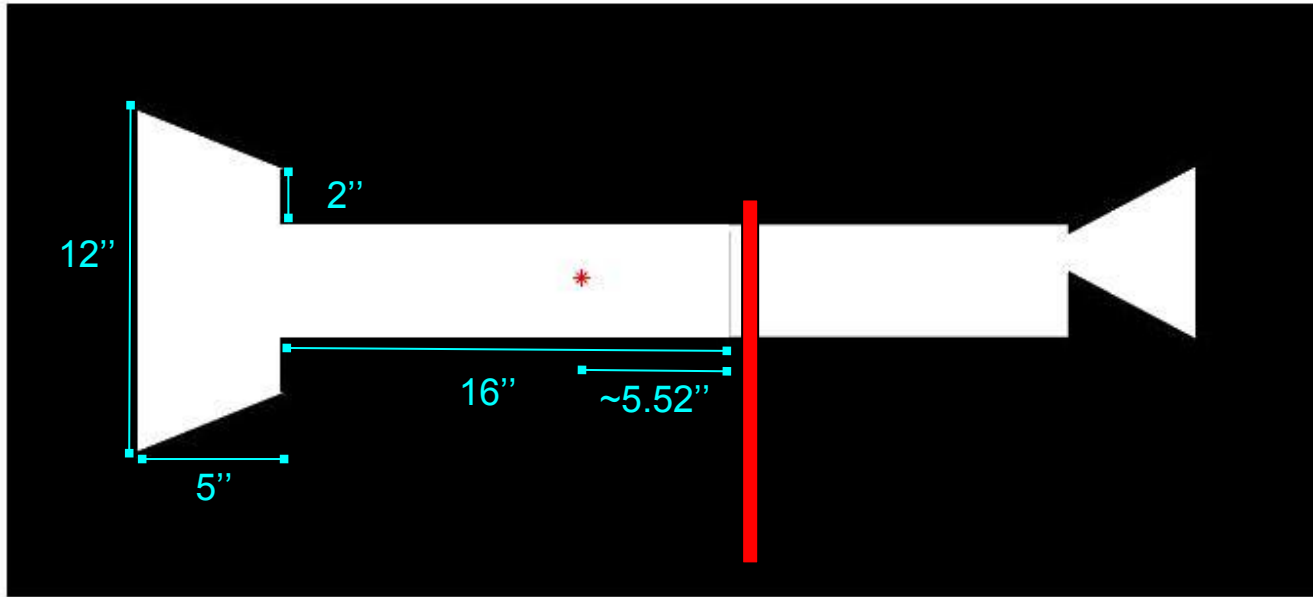
$$\tau = F \times r$$

Model 2 Design and C.P. Position Cont.



$$\tau = F \times r$$

Model 2 Design and C.P. Position Cont.



Model 2 Design Considerations

- Sail mast Material - Polycarbonate
 - Increase strength and stiffness of tail mast
- Sail tail material - Sheet metal
 - Reduce weight and material is thinner having less force on mounting
- Mounting should be multiple fastenings to ensure durability