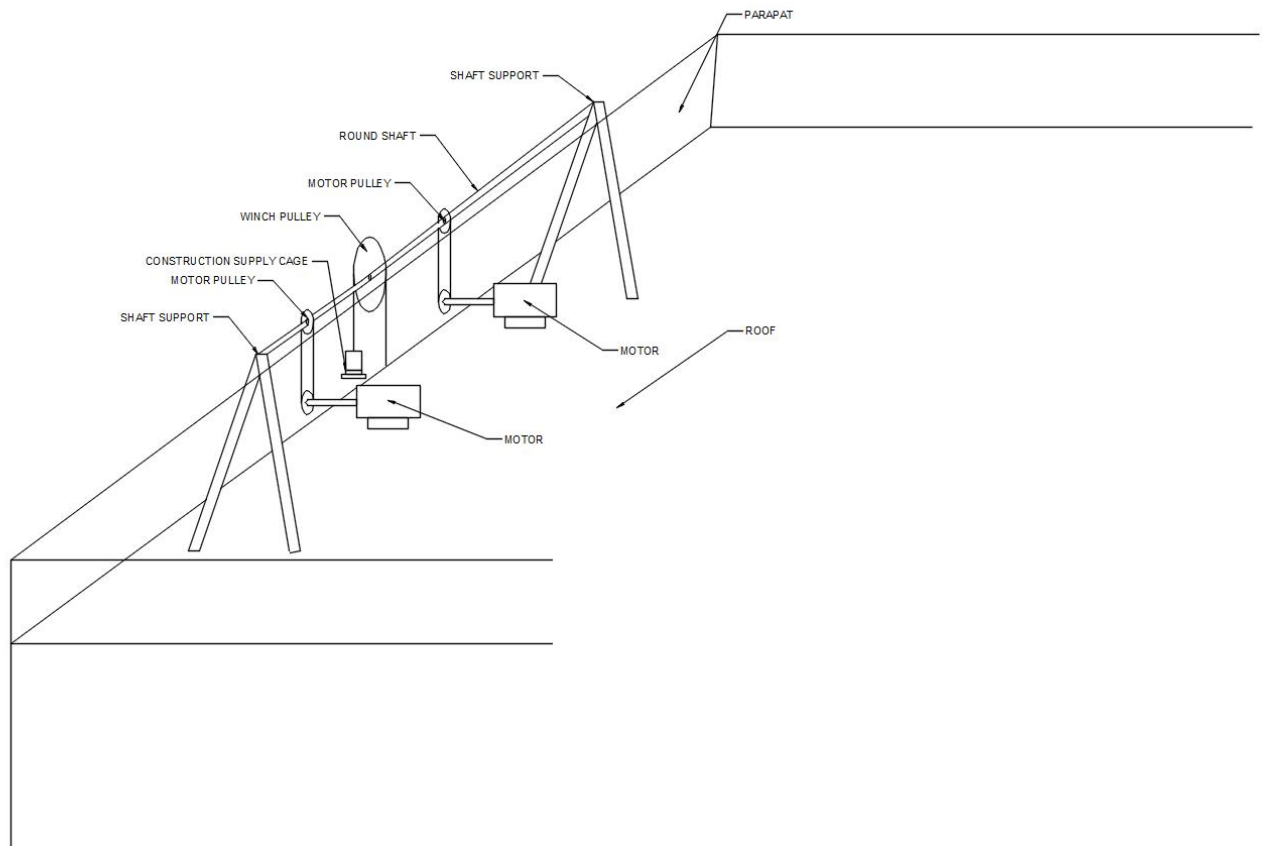


## Design of a Roof Mount Winch Motor System



In this Project you will design a Roof mount winch pulley system to lift construction supplies on the top of the roof. You will be required to designed the shaft and the support mount and overall dimension.

### Parameters given

Weight to carry- 2000 lb

Lifting speed- 10 Miles/hour

Maximum elevation- 20 story building , 220 ft.