Project Heration &

3 meters -> rough estimate of distance between floors.

- 1) Estimate the time it takes to board and debark
- 2) Estimate the speed when it's moving
- 3) Acceleration when stopping and starting

Base Elevation -> 123m 3 25 m.
Peak Elevation -> 148 m 3 25 m.
= 3.5 m per floor

All floors

1) Embarting and debarting time

= 58 99 110 182 11=4

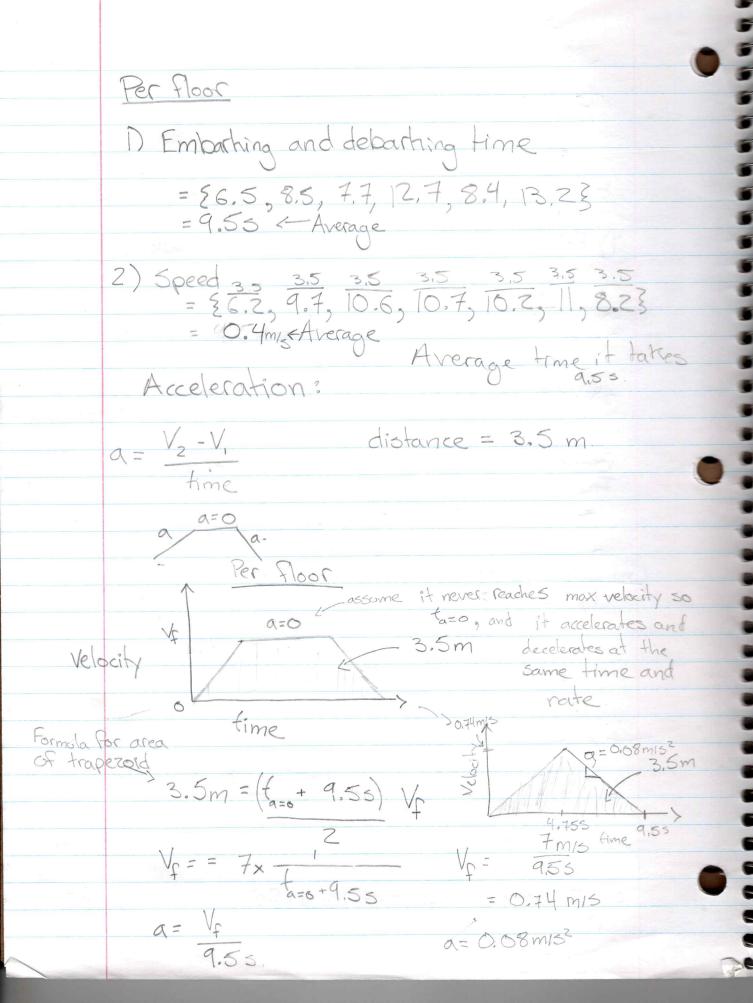
= {8, 9.9, 11.0, 7.8} N=4 = 9.2 seconds & Average

2) Speeds

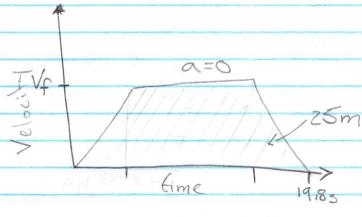
 $= \begin{cases} 25m & 25m & 25m \\ 17.66 & 19.65 \end{cases}$ = 1.3m/5

3) 47 where average time is 19.85

Hilroy



All Ploor



$$a = \frac{V_{5} - V_{6}}{19.85} \rightarrow 0.08_{m}(19.8)_{5} = V_{p}$$

$$79.85$$
 3^{2}
 $\sqrt{p} = 1.54 \text{ m/s}$
 \sqrt{p}
 \sqrt{p}

$$f_{a=0} = \frac{50}{1.54} - 19.8 = 12.765$$