

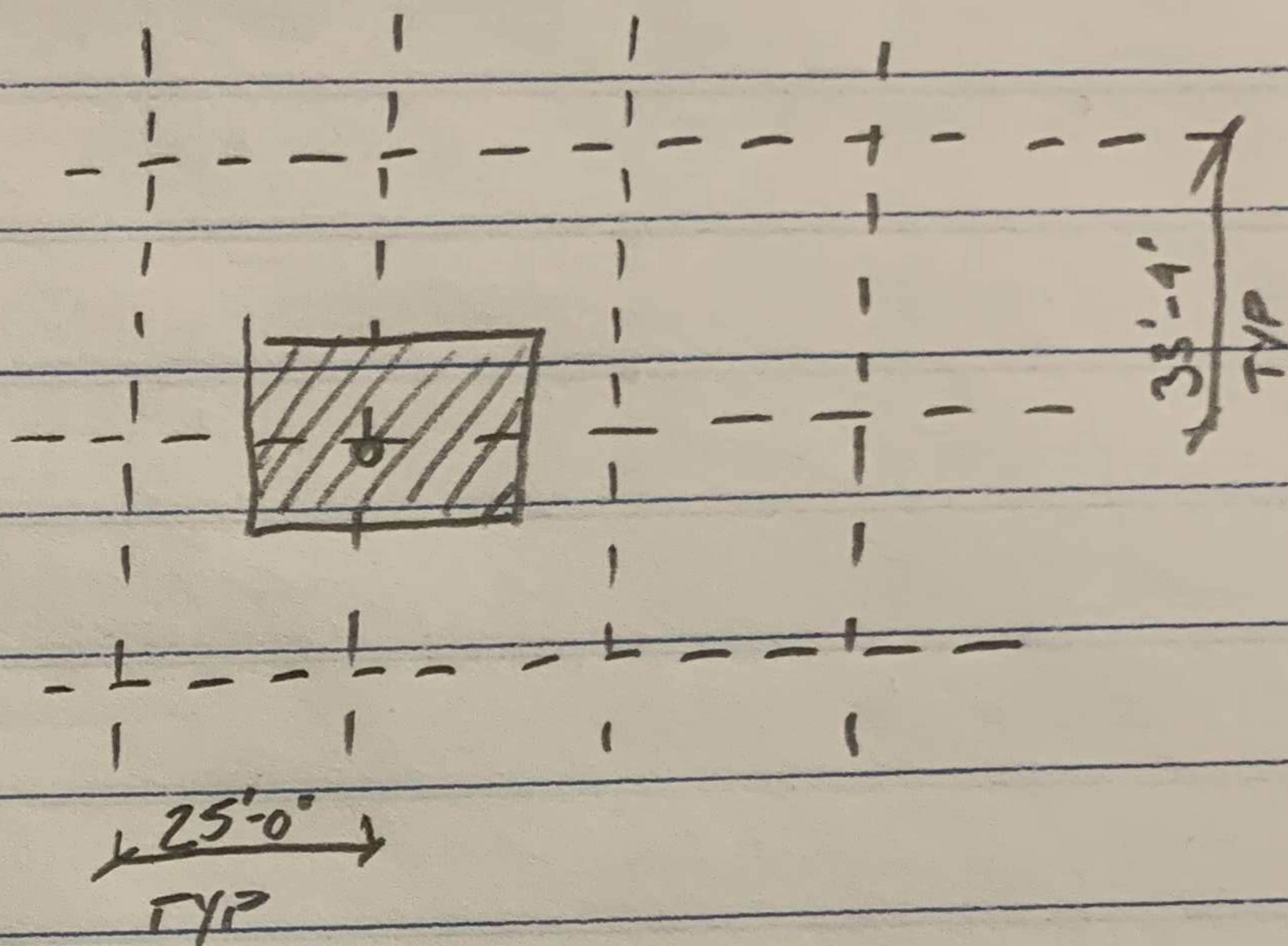
6. GIVEN:

$$\text{LIVE LOAD} = 80 \text{ PSF}$$

$$L = L_0 \left(.25 + \frac{15}{K_{LL} A_T} \right)$$

$$K_{LL} \text{ BEAM} = 2.0$$

$$K_{LL} \text{ COLUMN} = 4.0$$



LIVE LOAD =

$$= (80 \text{ PSF})(33.3')(25'-0")$$

$$= 66,600$$

$$= 66.6 \text{ KIPS} \rightarrow \sim 67 \text{ KIPS}$$