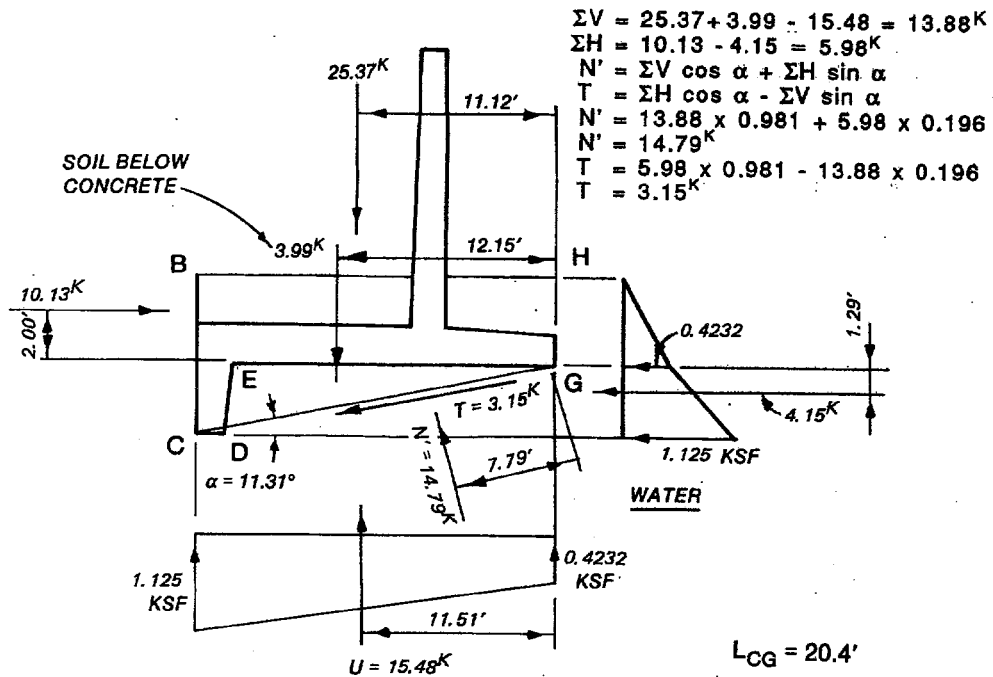


c. Sliding stability analysis (paragraph 4-10).

(1) On Plane CG:



For undrained shear strength:

$$cL_{CG} = 0.9 \times 20.4 = 18.36 \text{ kips}$$

$$T \leq \frac{N' \tan \phi + cL}{FS}$$

[4-12]

From Table 4-2, the minimum FS is 1.5.

$$3.15 \leq \frac{18.36}{1.5}$$

$$3.15 \leq 12.24$$