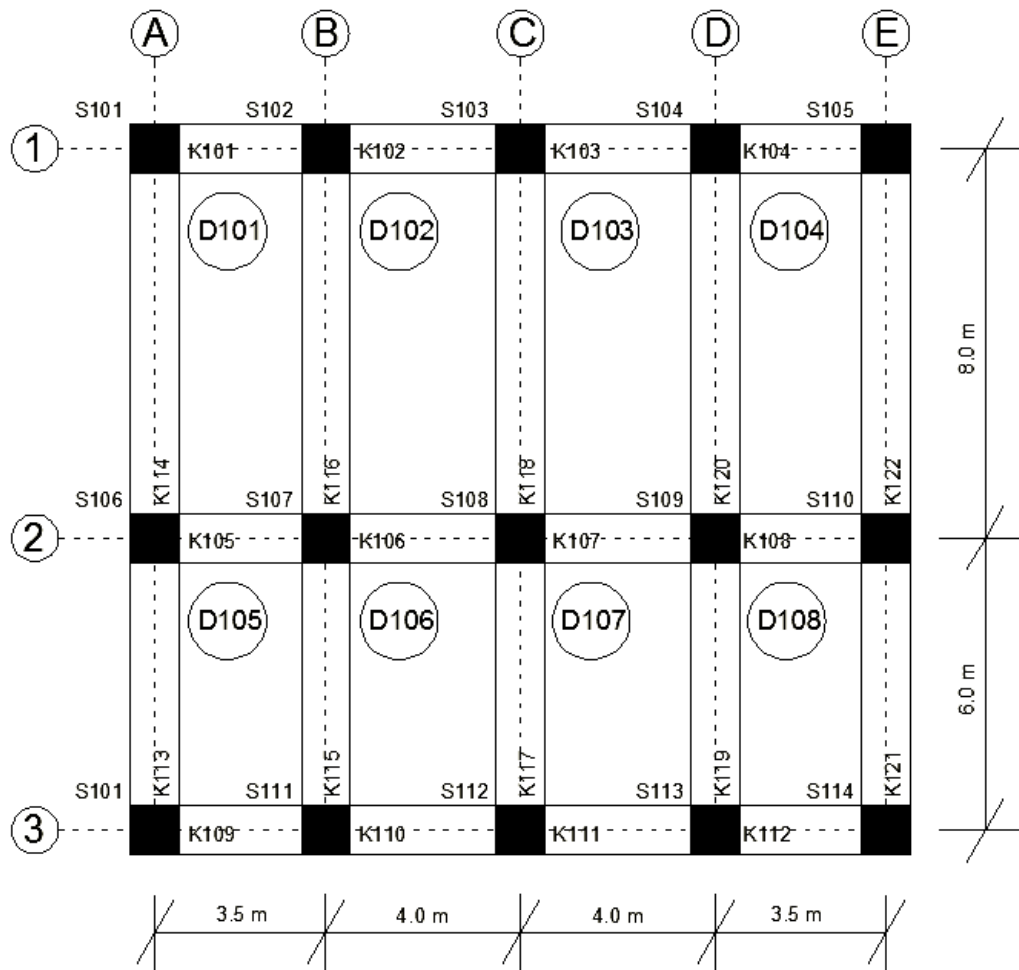




HOMEWORK 1



For the given office building layout; the finish work load is 2.2 kN/m^2 .

- For the entire slab system select a single thickness of slab.
- Determine the positive and negative design moments for slab D104 per TS500 requirements for the gravity load combination of $(1.4G + 1.6Q)$.
- Draw reinforcement detailing for slab D104.