

Higher Technological Institute

Civil Engineering Department



Course Title: Concrete (i)

Project

6th of October

For shown plan

- Statical system for plan
- Load distribution for slabs
- Calculate load for beam
- Draw moment and shear for beam
- Design beams for flexure
- Design beams for shear
- Draw reinforcement for beam
- Design solid slabs
- Draw reinforcement for slabs

Given

$$\gamma_c = 2.5 \text{ t/m}^3$$

$$\gamma_w = 1.8 \text{ t/m}^3$$

$$F_{cu} = 250 \text{ Kg/cm}^2$$

$$F_y = 3600 \text{ Kg/cm}^2$$

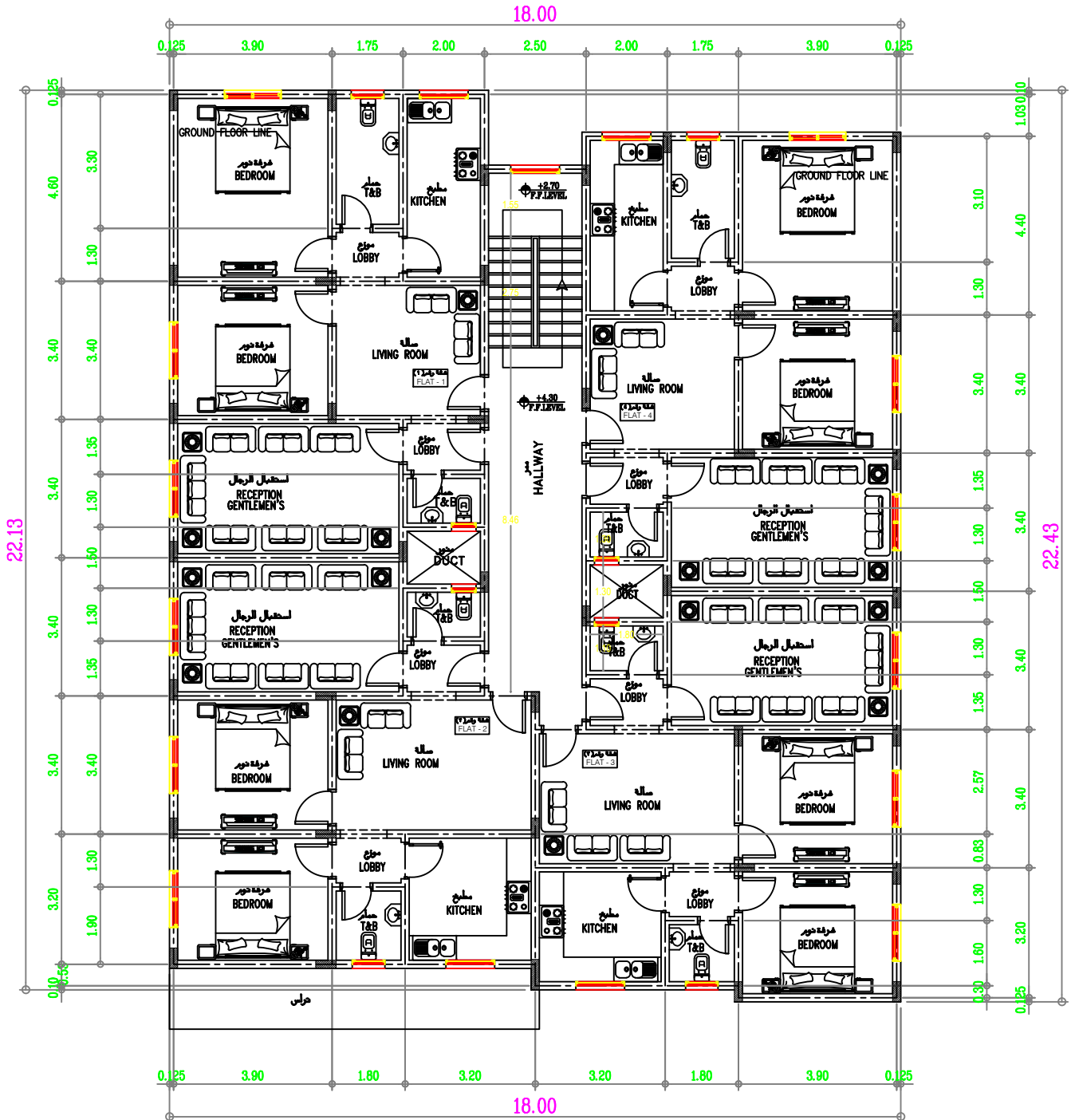
$$L.L = 0.2 \text{ t/m}^2$$

$$F.C = 0.15 \text{ t/m}^2$$

ENG. PETER KAMIL

ENG. MOHAMED SALAH

Concrete Project



ENG . Peter kamil

ENG . Mohamed Salah