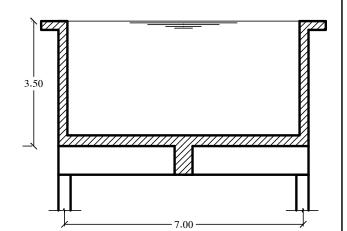
Sohag University
Faculty Of Engineering
Civil Eng.Department

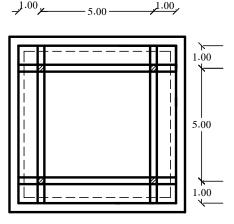
Rectangular Water Tanks

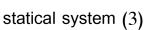
Sheet No . 3
Shallow & Medium Tanks

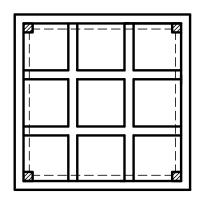
Reinforced Concrete (3)
Fourth year . 1st term
2018/2019

- 1) The following Fig.shows a Section elevation and plan for an opened, elevated water tank 7*7*3.5 m. the tank is supported on 4 columns.
 - *Draw B.M.Ds. and N.F.Ds. for the tank walls and floor, beams and wall as beams.
 - *Design the critical sections .
 - *Draw to asuitable scale the details of reinforcement.

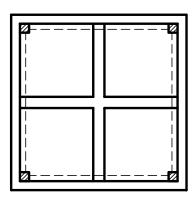








statical system (2)



statical system (1)

- 2) It is required to construct an elevated, opened and rectangular tank with dimension 6*7*4 m. suggest asuitable lay out, and then:
 - *Draw B.M.Ds. and N.F.Ds, for the tank walls and floor, beams and wall as beams.
 - *Design the critical sections .
 - *Draw to asuitable scale the details of reinforcement.

Dr. Ahmed Attia.

Eng. Moamen Adel.