

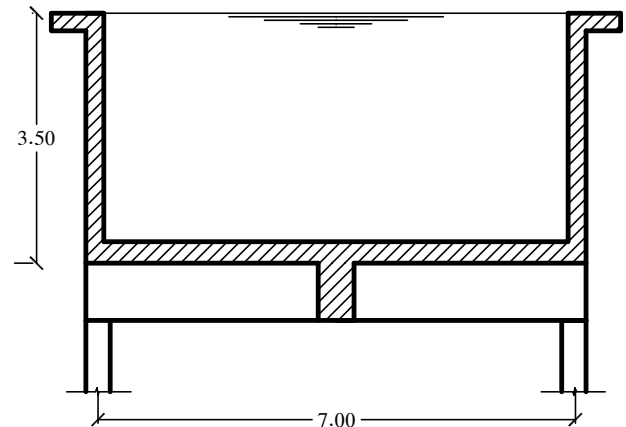
1) The following Fig. shows a Section elevation and plan for an elevated, elevated water tank  $7 \times 7 \times 3.5$  m . the tank is supported on 4 columns.

\* Draw B.M.Ds. and N.F.Ds.

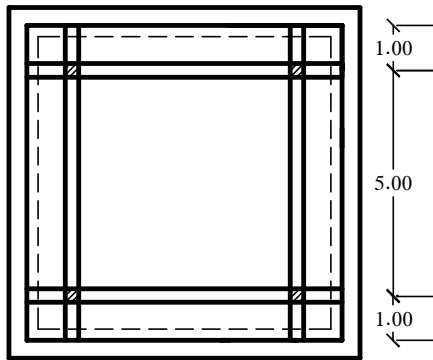
for the tank walls and floor , beams and wall as beams .

\* Design the critical sections .

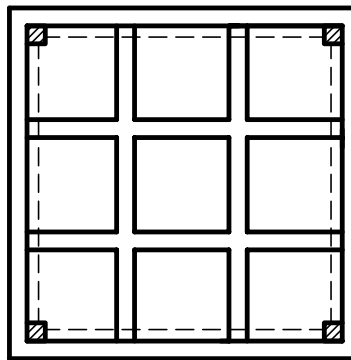
\* Draw to asuitable scale the details of reinforcement.



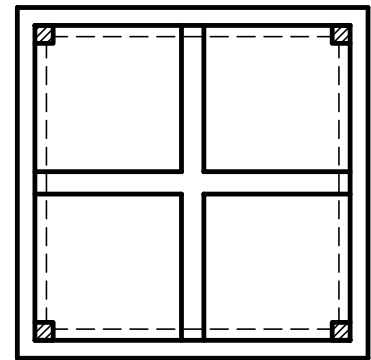
1.00 5.00 1.00



statical system (3)



statical system (2)



statical system (1)

2) It is required to construct an elevated , opened and rectangular tank with dimension  $6 \times 7 \times 4$  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.