



## Regulations of Construction Conditions And Specifications in the Emirate of Sharjah

5. In the case of piling foundations, the length and diameter of pile should be clarified, in addition to the method of reinforcing it and providing the appropriate protection to it.
6. Piles shall be bound from the middle through the binding beams.
7. Detailed drawing for the staircase reinforcement.
8. Detailed drawing for sections, including the horizontal and vertical projection for the lift walls and other concrete walls, along with illustrating the reinforcement steel for wall, around the openings and sides, in addition to the details relevant to sills.
9. Illustrating the number of floors according to which the foundations have been designed. The number of designed floors must be the same approved for the building in the building license.

### **Article (2/70): Information Required for the Concrete Building Design Calculations.**

1. Original soil report.
2. Index of pages number, basic assumptions of loads, concrete and steel grade, height of building, and number of floors according to which the foundations were designed, etc.
3. Details of columns loads and their calculations according to the reaction method. The columns loads must include all loads, including the auto weight of beams, walls, columns, roof fence walls, staircase and water tanks loads. While checking the soil pressure, the soil weight above the natural ground level must be taken into account. Whereas the foundations loads must be stated on the main columns drawings.
4. In the event of tying the foundations with the binding beams, the additional loads resulting from decentralization must be taken into account.
5. Columns design calculations. It must be taken into account the condition of the long column by adding the forces resulting from decentralization.
6. All beams loads, forms of forces, cut and steel calculations must have axles for reference.
7. Should there be columns embedded on beams, denture must be checked in addition to the beam from the stress side.
8. Concerning the slabs and beams bearing the water tank, separate calculations shall be submitted in this connection.