



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

9. Concerning the embedded beams and slabs which length exceeds 6m, the actual denture must be calculated according to the British specifications or any other specifications. Also, the denture impact shall be calculated on the long run.
10. Concerning the foundations installed/piles bases/concrete mat, the loads decentralization shall be taken into consideration in the design in respect to the foundation center.
11. In the case of piling foundations, the lowest distance between piles centers must be 2.5 of the pile diameter, or as stated in the soil report.
12. Concerning the piles or concrete mat, the horizontal force resulting from the wind loads must be taken into account with the ordinary loads.
13. In the case of using the manual methods in calculating the flat slabs or concrete mat bases, the distances of columns and method of distributing them must follow the British or American specifications. Otherwise, they should be analyzed through the infinite elements.
14. In the case of flat slabs which thickness is 15cm and 20cm, the walls loads shall be considered as loads based on connections.

### **Article (2/71): Information Required for the Villa Construction Drawings.**

1. The soil stress and foundations depth and soil substitution, if any, should be clarified.
2. The drawings of general remarks should include the general details and type and stress of concrete and reinforcement steel, etc.
3. A drawing for columns axes for clarifying the reduction in the volume of columns dimensions and bases loads.
4. Details drawings of foundations, tying beams, ground beams, repeated floors, roof, reinforcement steel tables, and detailed drawing for the fence wall and facades decorations.
5. Detailed drawings for the staircases reinforcement steel.
6. Detailed drawings for clarifying the reinforcement steel around the openings, sides and platforms.
7. Clarifying the number of floors according to which the foundations have been designed, and the same number approved in construction license shall be adopted.