

no-structural elements shall be submitted. Façade performance specifications shall be submitted including drift limits to be used by the construction contractor in the final dimensions of the **partitions**.

4. Minimum vertical reinforcement in columns shall be (1%), and in walls (0.04%), minimum horizontal reinforcement shall be (0.25%). The diameter of stirrups shall not be less than (10mm) in columns and walls with vertical reinforcement of more than (1%), and complying with the maximum allowable distance between the branches.
5. Maximum limit for concrete bearing capacity is (90N/mm²), the minimum limit is (35N/mm²) (cubes).
6. Maximum reinforcement in walls and columns shall not exceed (4%) and it can reach up to (8%) in case of using couplers.
7. For pile caps design reference to be made to the latest edition of CRSI.
8. Crack width design shall be as per American code (ACI 224R Table 4.1) or European code (BS EN 1992-3 section 7.3). When using waterproofing in areas inaccessible for maintenance it shall be considered as un-proofed.
9. Crack width design
 - Under foundations and bearing walls exposed to water = 0.2 mm
 - Above foundations and bearing walls unexposed to water = 0.3 mm

These values shall not contradict the requirements of the above mentioned code, under the condition of providing tanking system for all elements exposed to water.

10. Concrete modulus of elasticity:

a) Normal stress concrete with cylinder strength of 55 N/mm²

- Concrete modulus of elasticity shall be calculated based on the equation no. (19.2.2.1a) in ACI 318 standard $(0.04 \times W_c^{1.5} \times (f'c)^{0.5})$

b) Normal stress concrete with cylinder strength less than 55 N/mm²

- Concrete modulus of elasticity shall be calculated based one of the two following options:
 1. Equation no. (6-1) in ACI 363R standard
 2. Calculate the actual value of the modulus of elasticity based on necessary laboratory tests for concrete mixes according to the requirements of article (19.2.2.2) in (ACI:318-19) standard and indicate the used modulus of elasticity in the drawings submitted to the municipality and ensuring the **conformity/correspondence/matching** of the actual values of the concrete modulus of elasticity with the design before and during construction.