3. British specifications 5628 – clause37: the first part:1985 for the brick establishments (BS 5628 : clause37: part1:1985)

   When observing the above mentioned clauses, it will decrease the establishment capacity for successive or unequal collapse.

c) Designing against the effect of earthquake :

In order to achieve the requirements mentioned in section (a) from this list, the establishment should be designed with (5) floors height or more for earthquake loads as it was mentioned in clause (D-1-2).

d) Designing against the effect of vertical forces:

In the case of designing buildings for vertical forces , the building should be built for the most powerful forces from earthquake forces, the wind forces or the theoretical vertical central forces which are defined in clause (3-1-4-2) from the British specifications 8110- the first part- 1997 (BS8110:part 1: clause 3.1.4.2: 1997)

But the details of arming iron should go with the designing requirements for earthquake loads.

Article (56): Concrete brick establishments:

a. Walls should be built from plain concrete brick in a compacted and coherent shape and by using cement supply. The specifications of brick should correspond to the conditions that are mentioned in the regulations issued by the municipality with observing not using light hollow brick in constructing bearing walls. But when using this brick for non-bearing outer walls, the outer layer should be treated with a layer of plaster or paint with dampness resistant characteristics.

   Brick walls should be designed according to the British specifications 562. The first part -1978/1985 **(BS 5628: part1: 1978/1985).** The robustness of the brick which is used for bearing walls should go with the walls thickness as the following:

   1. When using solid brick for the bearing walls of the building, the robustness should not be less than (9N\mm2) for all the thicknesses of walls.
   2. When using hollow brick for the bearing walls of the building, whose height is not more than two floors, the robustness should not be less than (6N\mm2) and the wall thickness should not be less than (200)millimeters.
   3. It is not allowed to build bearing walls where the thickness is (150) millimeters or less with a solid brick.
   4. It is not allowed to use brick with a thickness which is less than (150) millimeters for single bearing walls, but it can be used for double walls with using links between them.