The Architectural Standards To Measure Damascus City's Tendency In Facing Earth Quakes[1]

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Abstract

The seismic history of the Middle East & it's surroundings, and the reborn activity seen in the annual increase of earthquakes, which started in the last decade, imposes the necessity to adopt serious procedures in all fields , from architectural structural & schematic viewpoint.

It has to be started that Damascus is directly & indirectly under the influence of several seismic sources. reasons & phenomena contributing in increasing the occurrences of earthquakes are represented by individual infringements alongside the structural & schematic mistakes in Damascus city plans. when testing randomly, the old remaining safety factors of some of Damascus' apartments, building & quarters.

It was clear that many of them lack great deals of safety factors crucial to withstand earthquake dangers.

So, it was an obligation to display the minimum knowledge, an architect should have about some scientific facts, in addition to some conditions & architectural characteristics. i.e. structural & schematic that should be taken into consideration to improve building's readiness to withstand earthquakes, & also to propose recommendations to eliminate safety factors, & to improve readiness for facing earthquake dangers in an architectural point of view.

[1] For the paper in Arabic see pages (229-287).

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