

عنوان مقاله:

Retrofitting of Historical Buildings: Case Study of the Tabriz Bazaar

محل انتشار:

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خلاصه مقاله:

Historical buildings are the cultural heritage of our ancestors and that is why these buildings are of great importance among the people of each country. In this regard maintenance and conservation of the historical structures should be significantly considered by public and government as a national duty in order to keep these precious buildings to be available for next generations. It becomes more important to preserve historical buildings when they are to be considered as touristic and internationally well known places. One of the most important stages in preservation of historical buildings is retrofitting and strengthening them against seismic loads. Historical buildings are mainly constructed of heavy masonry materials which cause the building to receive high values of seismic forces. Since Tabriz is a city which subjects to severe earthquakes, it is important to investigate the seismic resistance of historical buildings in this city and as a case study, the structural system of Tabriz Bazaar has been taken to be studied from the point of seismic resistance. As it is known this bazaar is one of the most important historical places in Iran, and recently was registered in world heritage centre (USA). Thousands of people attend this bazaar every day for their livelihood or shopping or visiting. But unfortunately this gorgeous building is not resistant enough to tolerate severe earthquakes. Moreover human interventions in some parts of the building have damaged structural harmony that would be a trouble when the structure is exposed to seismic loads. According to these problems and some other structural objections of Tabriz bazaar and regarding to the importance of the building, this manuscript present some solutions for retrofitting of Tabriz bazaar

کلمات کلیدی:

Retrofitting, Historical Buildings, Tabriz Bazaar, Seismic

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