

عنوان مقاله:

The Post-Disaster Temporary accommodation by vertical construction method with Fabrication Approach (case study:
(district ۲۲ of Tehran

محل انتشار:

ششمین کنفرانس بین المللی پژوهش در علوم و مهندسی و سومین کنگره بین المللی عمران، معماری و شهرسازی آسیا (سال: 1400)

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خلاصه مقاله:

The experiences of the natural accidents in the recent years in the world show that risk management of the natural hazards has remained as a problem in preparation and sustainable development plans and needs modifications. Earthquake is considered as the most hazardous natural phenomenon that usually leads to irreparable damage to humans. When it comes to big and populated cities, this hazard is considered even more destructive. Especially when crisis management headquarters have delay in providing services to survivors and the use of one-story accommodation is the main concern of large cities because of the large population and lack of large land. By examining the study area in terms of seismic hazard and introducing low-risk areas relative to the whole area, the paper suggested a space for after disaster accommodation and obtained the number of floors needed for accommodation and carried on the design based on the available information given the population in the area. The method used in the paper was a descriptive-analytical method with survey design. Relevant maps, imaging and GIS maps were used for initial location. Reference has been made to library resources, including written documents, papers, and books to obtain solutions. Thus, the focus of the paper is on the after disaster accommodation and tries to classify them by designing three alternatives from three various construction methods and selecting the most appropriate construction method with vertical construction capability and considering the lightness of the structure - using SAP۲۰۰۰ software - to consider the modularity and portability of the accommodation in the design. One of the regions of Tehran (District ۲۲) is examined from various points of view and designing is carried out based on the characteristics stated to test this theory.

کلمات کلیدی:

temporary shelter unit, post-disaster, Vertical accommodation, Modularity, Cold and dry areas

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