

## عنوان مقاله:

Seismic Risk Assessment of 7 Floors Steel Moment Frame Structure Based on the Standard 2800 of Iran in Tehran

## محل انتشار:

هفتمین کنگره ملی مهندسی عمران (سال: 1392)

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## خلاصه مقاله:

There are two approaches to the seismic risk assessment of an area. In the first one, known as the what if scenario, the current situation can be evaluated. In the second approach the vulnerability of not yet constructed structure in an area may be evaluated. Only after estimating the safety, performance, and economic considerations, may the construction begin. Since the building area covered by steel structures is approximately six times greater than that covered by RC structures in Tehran, In this paper the vulnerability of a 7-floor steel moment frame building, designed according to standard 2800 in different regions of Tehran, will be evaluated. For each type of soil, PGA, spectral acceleration  $S_a$  at 0.3 s ( $S_{a0.3}$ ), and  $S_a$  at 1 s ( $S_{a1.0}$ ) will be reached from a probabilistic analysis of the standard 2800. SELENA ver. 5.0 software has been employed for seismic risk assessment, and the results have been displayed through ArcGIS software

## کلمات کلیدی:

Seismic risk assessment, Tehran, Hazard U.S, standard 2800, steel moment frames

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/217036>

