

## عنوان مقاله:

Strengthening and upgradading of steel structures to increase load capacity

## محل انتشار:

اولین کنفرانس ایمن سازی و بهسازی سازه ها (سال: 1381)

تعداد صفحات اصل مقاله: 8

## نویسنده:

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## خلاصه مقاله:

This paper reports the research effort in improving the performance of a tall steel structure by strengthening structural members, framed beam connections, controlling the quality of welded connections and finally increasing foundation stiffness. The paper mainly describes different strengthening methods, which are employed for a tall steel building. The main reason for strengthening was to increase the load capacities for static (dead and live) loads and dynamics (earthquake and wind) loads. Thus two types of strengthening were undertaken; namely structural and foundation strengthening. This has resulted in promoting public safety by reducing the risk of death, injury demolition or damage to the building that may result from the effect of earthquakes on welded steel moment frame structure. It is concluded that strengthening and retrofitting of structural members have led to improve the stress level in members and increase the ultimate loading capacity.

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/607>

