

## عنوان مقاله:

Seismic Behavior of Prefabricated Column-Footing Connection

## محل انتشار:

ماهنامه بین المللی مهندسی، دوره 12، شماره 4 (سال: 1378)

تعداد صفحات اصل مقاله: 14

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## خلاصه مقاله:

Results of an experimental investigation of the seismic performance of prefabricated column-footing connections are presented. Tests were conducted on six 1/4-scale prefabricated column specimens inserted into prefabricated footings in two Groups. Group-1 consisted of four specimens, which were tested under constant axial load and cyclic inelastic lateral displacements. The remaining two specimens in group-2, were subjected to cyclic inelastic lateral displacements only for comparison. Test results showed that this type of connection exhibits relatively higher ultimate strength comparable to fixed end connections, and fairly acceptable ductile behavior. Also the test results indicate the strength reduction in post-elastic state and the connection behavior as a semi-rigid joint.

## کلمات کلیدی:

Prefabricated, Ductility, Cracking, Lateral load, Earthquake, Connection, Energy dissipation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1415451>

