

عنوان مقاله:

Ductility demand distribution of asymmetric multi-story R/C buildings

محل انتشار:

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نویسندگان:

Amir M. Halabian - Faculty of Civil Engineering, Isfahan University of Technology

Mohammad S. Birzhandi - Master of Science in Structure

خلاصه مقاله:

To evaluate the influences of the number of stories on the torsional response and ductility demand distribution in the plan and the height of plan asymmetric RC dual lateral load resistant multi-story buildings, three categories of structural models that contain 8-, 14- and 20-stories buildings (with the wide range of eccentricity values) are subjected to an assemblage of ordinary and near-fault ground motions. The approach of modeling has been used, is more accurate for multi-storey R/C structures, because it redefines the stiffness from the strength in each time step. According to the findings, the torsional effects, decreases for high-rise structures where the lateral natural period .increases

کلمات کلیدی:

Ductility demand, Torsional response, Asymmetric structures, R/C dual systems

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