عنوان مقاله:
NUMERICAL INVESTIGATION OF STRESS DISTRIBUTION IN STEEL FRAMING CONNECTIONS RETROFITTED WITH SUPPLEMENTARY CONCRETE

محل انتشار:
اولین کنفرانسین بین المللی ساخت و ساز شهری در مجاورت گسلهای فعال (سال:1390)

تعداد صفحات اصل مقاله: 8 صفحه

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خلاصه مقاله:
in this study stress distribution in steel connections strengthened with supplementary concrete has investigated . Thorough observation of the past earthquakes in iran shows that after the performance of weak story and short column , connection problems were the major causes of structural failure . for strengthening of connections different methods like using composite plates and especial dampers increasing stiffness using especial braced frames like accenctrically braced frames EBF in moment resisting frame to decrease relative displacement and therefore decreasing the stresses applied to connections and using unbounded braced frame UBF are presented. it is clear that the skill level of workers technology and such things are key issues in the method selection procedure . application of connection -concrete composite performance is a method of general applicability. the most important parts of design and construction of this technique are the consideration of appropriate and efficient design methods and proper model recognition togethe with the crucial step of stress control.

کلمات کلیدی:
retrofitting , steel connections, supplementary concrete

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