



Assessment of R. C. Flat Slab Building

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GRIN Verlag. Paperback. Book Condition: New. Paperback. 52 pages. Dimensions: 8.3in. x 5.8in. x 0.1in. Doctoral Thesis Dissertation from the year 2013 in the subject Engineering - Civil Engineering, grade: B, , course: Master of technology - Structural Dynamics, language: English, abstract: Flat-Slab building is very popular from the aesthetic and architectural point of view. From functional aspect a flat-slab building is more efficient than a R. C. frame building. So, construction of Flat-Slab building is increasing also in high seismic zone. Sometimes international building codes remain silent about the seismic response of flat slab buildings. In this paper the response of Flat-Slab building and a normal symmetric R. C. frame building of same dimension have been studied for varying seismic intensities. Static, Response Spectrum, Pushover, and Time history analysis have been performed to assess the performance of the two buildings. The costs of construction for these two buildings have also been compared. An extensive study on lumped plasticity model as per FEMA 356 with varying position of plastic hinge and its effect on pushover curve has also discussed in the paper. The paper also comments on the plastic hinge pattern. This item ships from multiple locations. Your book may arrive...



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