

Seismic Response Patterns for URM Buildings

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Abstract:

Measured response from two reduced-scale test structures subjected to simulated earthquake motions is presented to illustrate dynamic response patterns for a general class of unreinforced masonry buildings with perforated shear walls and flexible floor and roof diaphragms. A brief description of the shaking table experiments is given and is followed by summaries of measured response illustrating various tendencies that might have an implication on present methods of seismic evaluation of such systems.

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