

Dynamic and Static Testing of Reinforced Concrete Masonry Structures

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Abstract:

Two general experimental techniques that are commonly used for earthquake engineering research of building structures are demonstrated for reinforced masonry systems. The first technique is static testing of reduced-scale structures using an earthquake simulator. Experimental procedures are summarized, and sample test results are presented for each type of testing method. Measured responses of both large and reduced-scale specimens with a common structural configuration are presented to illustrate differences in behavior that may be attributable to the type of testing method.

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