REDUCING THE COST OF EARTHQUAKE SAFETY

By

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Introduction

Two new proprietary products for speeding the construction and reducing the costs of earthquake resistant structures are being tested to verify their ability to reduce lateral earthquake forces in reinforced concrete structures, as well as the time and labor required to construct them.

BauTech® Threaded Rebar BauCage™ and Energy Dissipating Threaded Rebar Coupler

The two products are the BauTech® Threaded Rebar BauCage™, which is a reinforcing steel cage using threaded rebars confined with BauGrid® Welded Reinforcement Grids™ (WRG™); and the Baumann Energy Dissipating Rebar Coupler™ (BauEDRC™) which are used to connect the ends of the threaded rebar. Patents are pending on both items.

Testing Program

An independent third party testing program is under way which will measure and verify labor savings claims and lateral force reduction claims

This testing program will also independently verify the claims of the proprietary product developer that safe earthquake resistant reinforced concrete structures can now be constructed with a labor savings in rebar cage assembly of 75%, and in the near future of an overall 95% total savings of cage assembly labor using this new technology.