

**REINFORCED POURED ADOBE AND ITS APPLICABILITY
TO EARTHQUAKE RESISTANT CONSTRUCTION**

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ABSTRACT

Results of rational analyses of reinforced poured adobe walls indicate that the structural concepts of this construction method are valid and satisfy the intent of the Uniform Building Code, even in high-seismic zones. Wall-forming techniques and shrinkage cracking represent major obstacles to the practical application of poured adobe. However, several solutions, including the use of plasticizers, bamboo rather than steel reinforcing, and fiber reinforcing, show promise for overcoming these obstacles in the future.