Seismic Stabilization Of Historic Adobe Structures: Final Report Of The Getty Seismic Adobe Project

E. Leroy Tolles

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Seismic Stabilization of Historic Adobe Structures: Final Report of the Getty Seismic Adobe Project. This book describes tests performed on model adobe structures to improve planning and engineering guidelines for the Seismic Retrofitting of Historic Adobe Structures. Use of buttresses and pilasters in the critical parts of a structure increases stability and stress resistance. Buttresses act as counterforts, enhancing the overall structural integrity. The Getty Conservation Institute is a program of the J. Paul Getty Trust, an international leader in the fields of conservation and the visual arts. Figure 7: 1:2 scale adobe house, damaged but intact after a series of severe shake table tests, highlighting the effectiveness of seismic retrofit systems. Many historic adobe structures in the southwestern United States have been retrofitted with conventional approaches, demonstrating the Getty Seismic Adobe Project's contributions to the preservation of historical architecture in rural areas of developing countries.