



ANNOUNCEMENT

PAYLOAD PROPOSALS FOR NEESWood Project

Dear Colleagues,

As part of the NEESR-SG project “NEESWood: Development of a Performance-Based Seismic Design Philosophy for Mid-Rise Woodframe Construction” we are performing two series of full-scale woodframe shake table tests.

The first series of shake table tests is scheduled for the period of April 1, 2006 to November 30, 2006 at the UB-NEES node in Buffalo, NY. The test structure is a single unit from a two-story townhouse designed to the 1998 UBC and is shown in an exploded view in the figure to the right. The structure is approximately 53 x 23 feet in plan and two stories tall. The structure will be subjected to the Northridge ground motion at varying levels of intensity and for various levels of structural finish, i.e. OSB only, stucco, etc. The tri-axial un-scaled Rinaldi record will also be used. The structure will be repaired between test phases.

The second series of tests will take place in Miki City Japan, near Kobe on the E-Defense shake table in 2009. Details for that test have not been developed and will be discussed in 2008. However, the test is expected to be a mid-rise (six-story) woodframe apartment building designed using the PBSB philosophy developed within the NEESWood project.

If you are interested in discussing the feasibility of an NSF (or other) payload project for the UB-NEES node tests or the E-Defense tests, please contact John W. van de Lindt, NEESWood Project Director, at jwv@engr.colostate.edu . The project abstract can be viewed at http://www.engr.colostate.edu/~jwv/research_projects/NEESWood.pdf .

