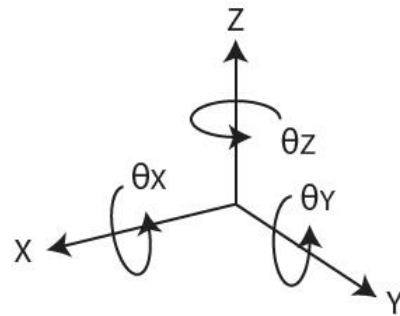


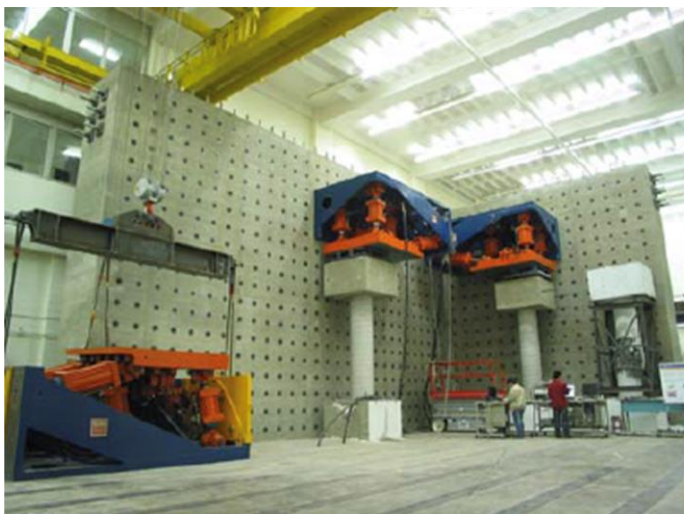
LOADING BOUNDARY CONDITIONS BOXES

Shore Western, in association with University of Illinois Urbana Champaign, has developed a family of 6 degree of freedom motion bases to simulate loading boundary conditions. Using a boxed frame, the system provides a very stiff reaction to ground, which is essential for precise measurements of component deflections.

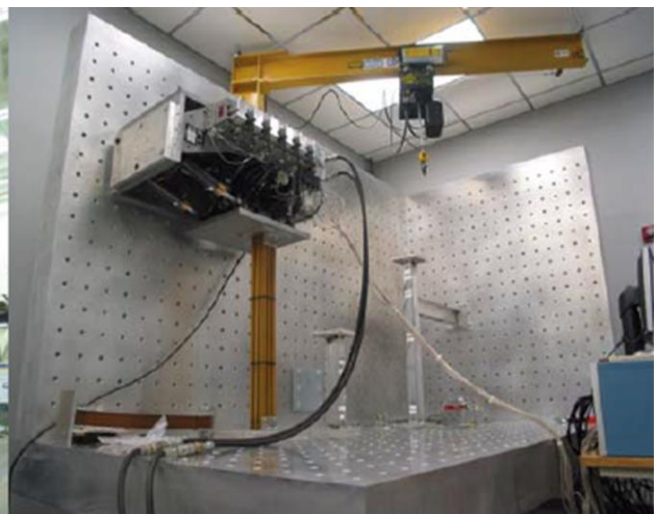
Those [Loading Boundary Conditions Boxes](#) (LBCBs) provide a modular solution to the need for a unitized loading platform that can be mounted to [L-shaped Reaction Wall](#) and [Testing Floor](#) in any orientation, from one of three sides.



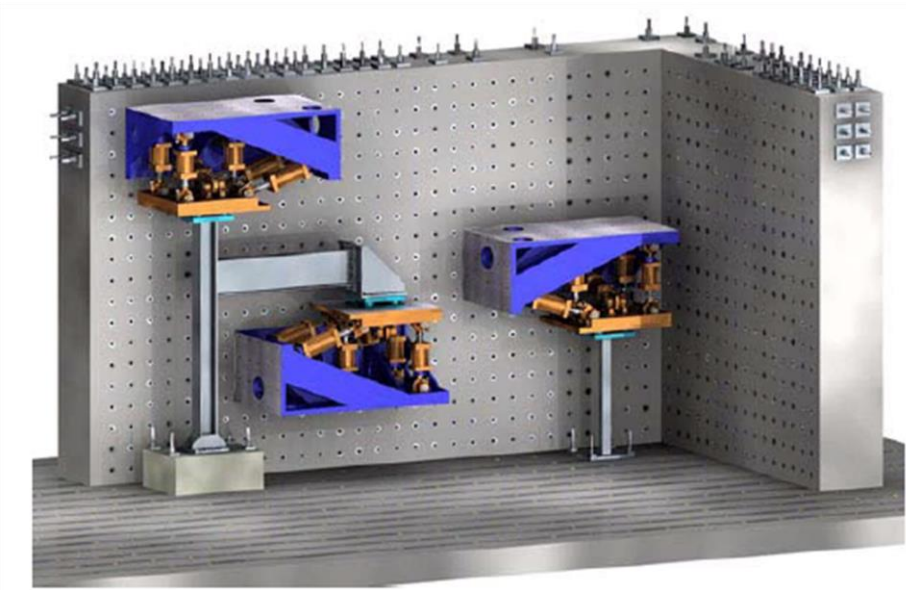
We have 3 LBCBs built in full scale and 3 LBCBs built in 1:5 scale. There is also Testing Floor and L-shaped Reaction Wall built in 1:5 scale to accommodate 1:5 scale LBCBs. There is a [user's manual available](#).



LBCBs mounted to the L-shaped Reaction Wall; 1:1



LBCB mounted to the L-shaped Reaction Wall; 1:5



Here it is an example of an application of 3 LBCBs.