Abstract

The harmonization of design parameters between structural and non-structural components is examined. The levels of damage typically assumed for design are explained and the considerations for choosing appropriate targets are explored. In addition, the loads transmitted to the structure by non-structural components are described. Several example problems are presented with non-structural loads compared to typical design loads.

Biography

Dr. Campbell is currently Chief Structural Engineer for Kinetics Noise Control and President of the Structural Analysis Consulting Group. He received a BS and MS in Civil Engineering from the University of Illinois and a PhD from the University of California at Berkeley. He has over 20 years of experience in structural engineering, primarily in seismic and blast resistant design and nonlinear analysis.