

CODE

6.9.3 For inelastic analysis, a separate analysis shall be performed for each factored load combination.

6.9.4 The licensed design professional shall confirm that the results are appropriate for the purposes of the analysis.

6.9.5 The cross-sectional dimensions of each member used in an analysis shall be within 10 percent of the specified member dimensions in construction documents or the analysis shall be repeated.

6.9.6 Redistribution of moments calculated by an inelastic analysis shall not be permitted.

COMMENTARY

the structural response in sufficient detail. The use of any set of reasonable assumptions for member stiffness is allowed.

R6.9.3 For an inelastic finite element analysis, the rules of linear superposition do not apply. To determine the ultimate member inelastic response, for example, it is not correct to analyze for service loads and subsequently combine the results linearly using load factors. A separate inelastic analysis should be performed for each factored load combination.