3.6. DESIGN AND DETAILING OF SECONDARY SEISMIC ELEMENTS

3.6.1 – Secondary seismic elements, which are defined in **1.6.2** shall be designed and detailed to maintain their capacity to support the gravity loads present in the seismic design situation, when subjected to the maximum deformations under the seismic design situation.

3.6.2 – Maximum deformations due to the seismic design situation, as mentioned in **3.6.1**, shall be calculated in accordance with **2.7**. They shall be calculated from an analysis of the structure in the seismic design situation, in which the contribution of secondary seismic elements to lateral stiffness is neglected and primary seismic elements are modeled with their cracked flexural and shear stiffness.

3.6.3 – Bending moments and shear forces of secondary seismic elements shall be calculated with maximum deformations defined in **3.6.2**, using their cracked flexural stiffnesses and, if necessary, shear stiffnesses. They shall not exceed their design flexural and shear resistances determined on the basis of EN 1992-1-1:2004.