

Figure 1 Line of rupture in the 1999 Izmit earthquake (recorded peak ground accelerations are shown in circles, in %g)

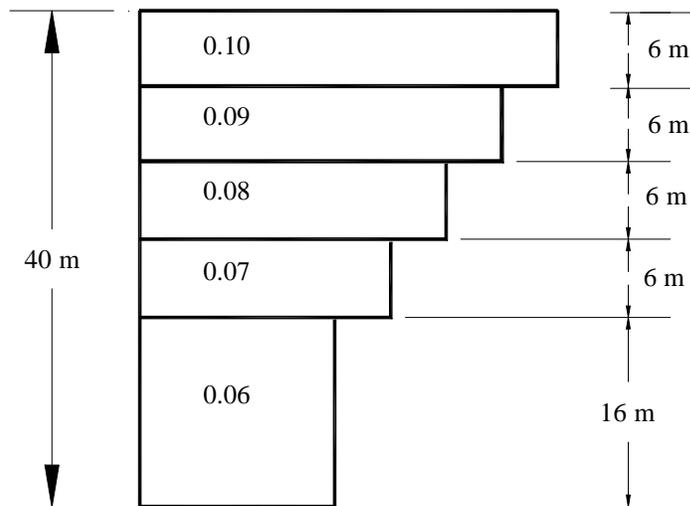


Figure 2 Variation of force coefficient with building height in 1961

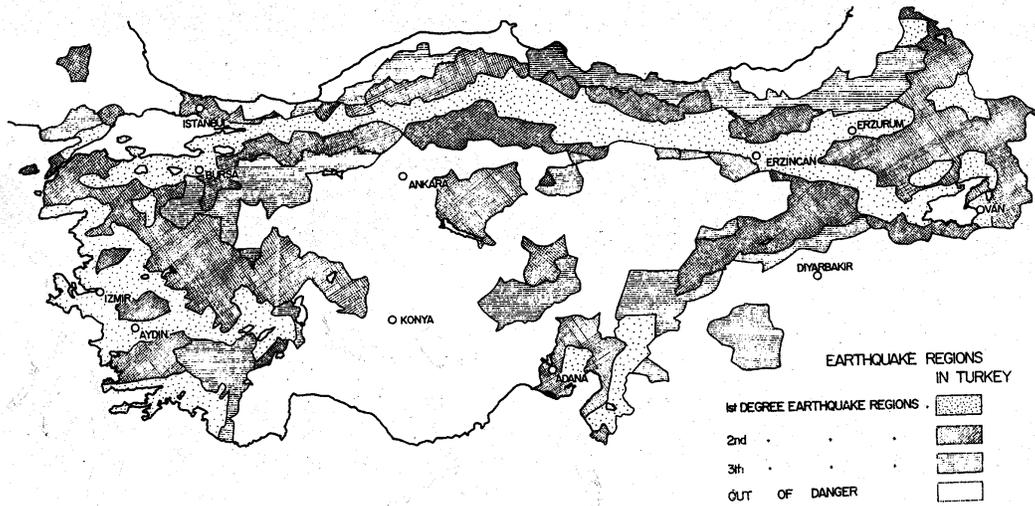


Figure 3 1963 earthquake zonation map of Turkey [IAEE, 1966]

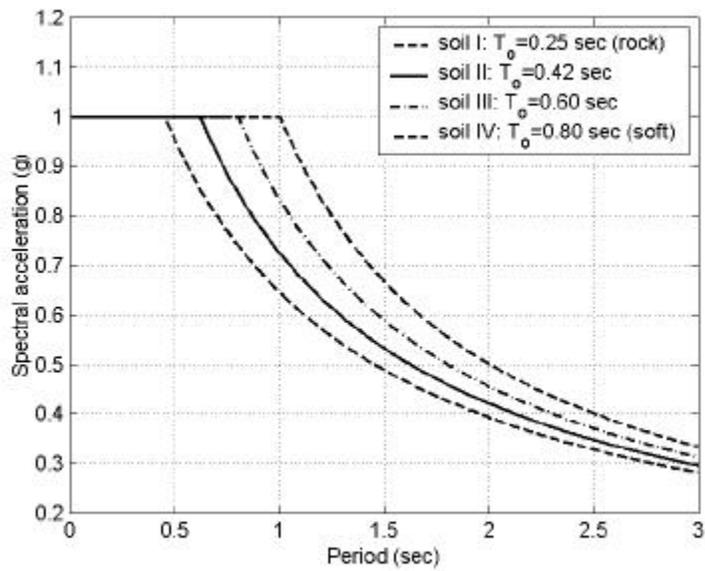


Figure 4 Spectral shapes in 1975 Turkish earthquake code

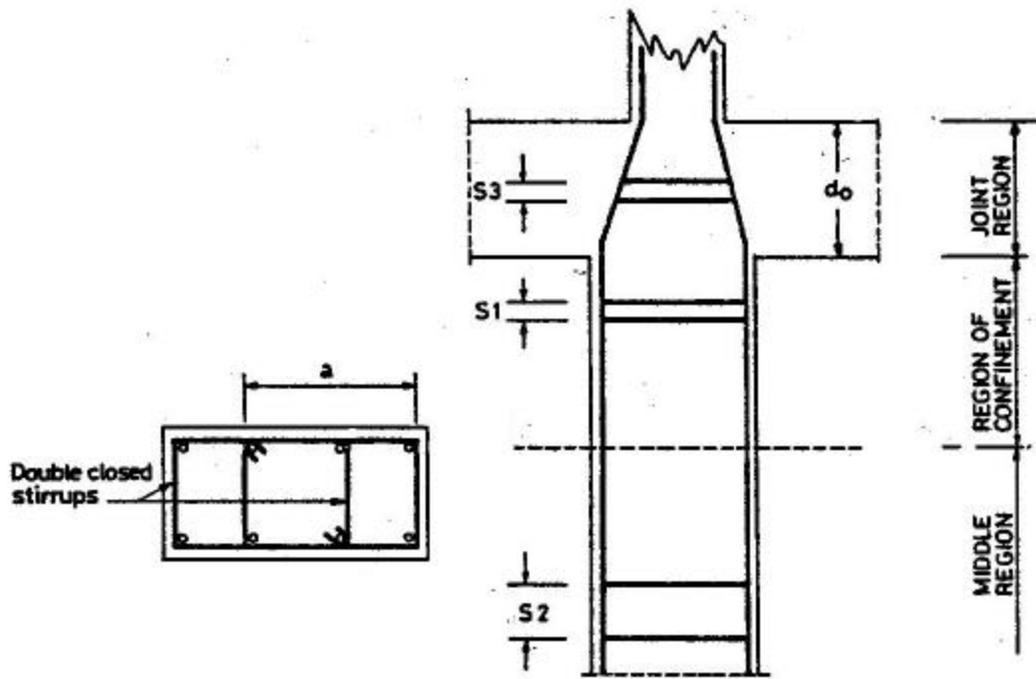


Figure 5 Column details from 1975 Turkish earthquake code [Ministry, 1975]

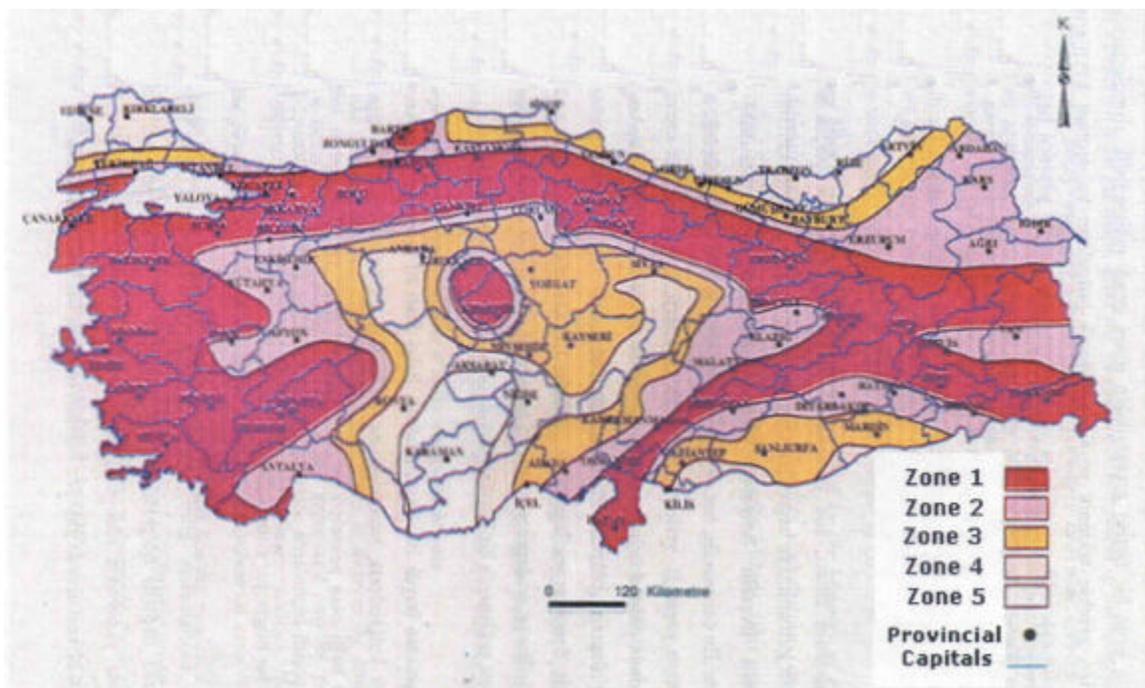


Figure 6 1997 earthquake zonation map of Turkey [Ministry, 1997]

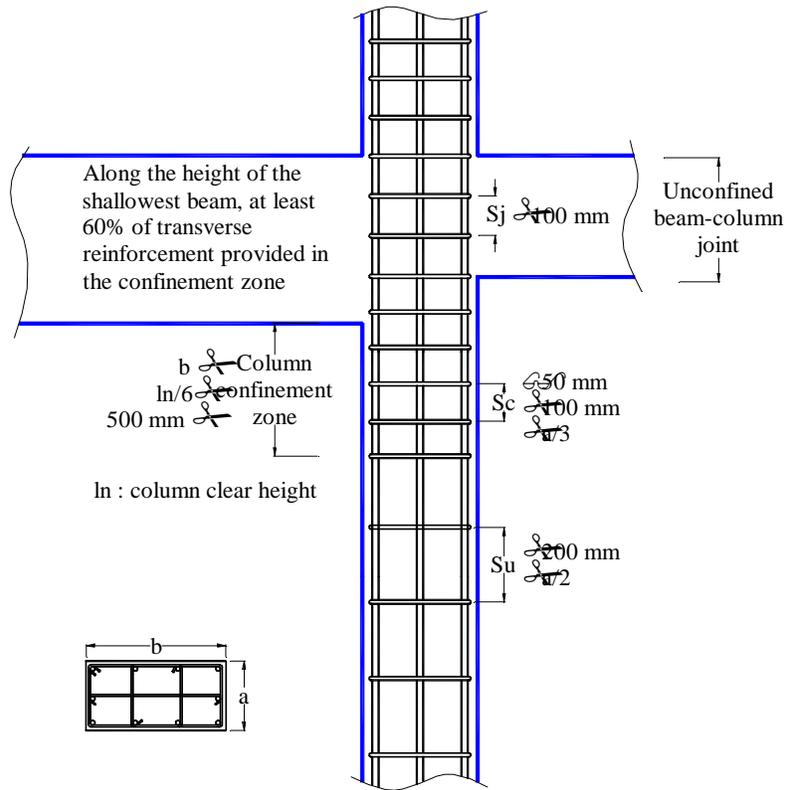


Figure 7 Column details from 1997 seismic code

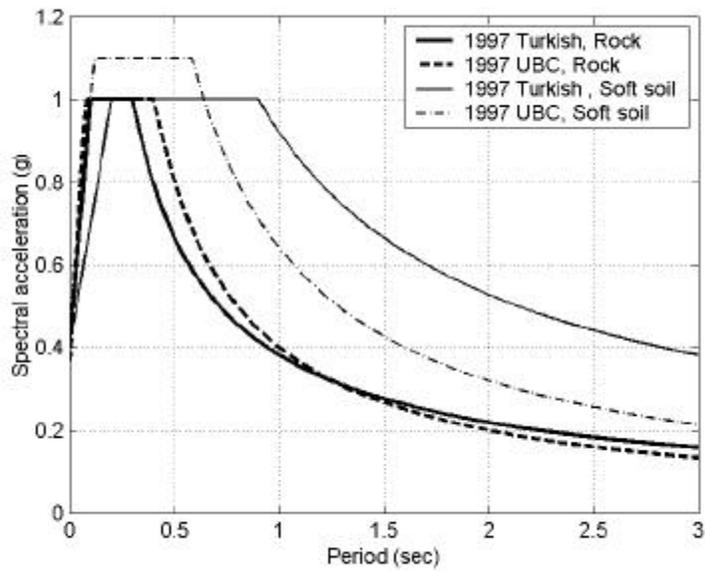
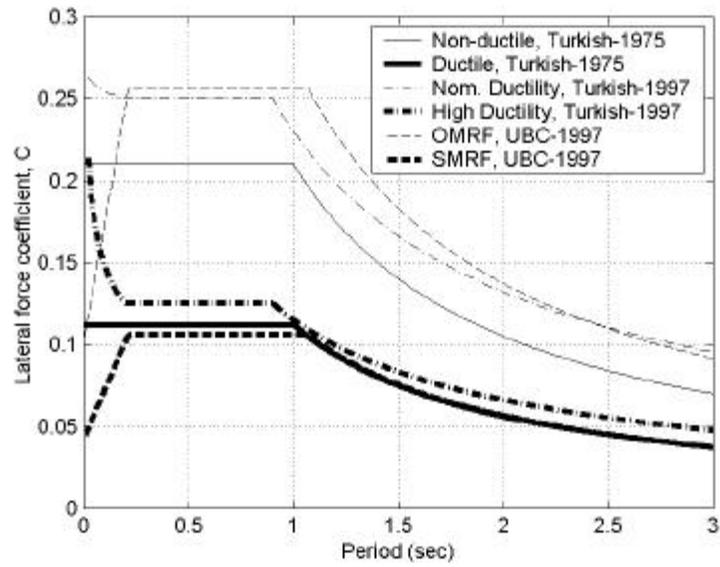
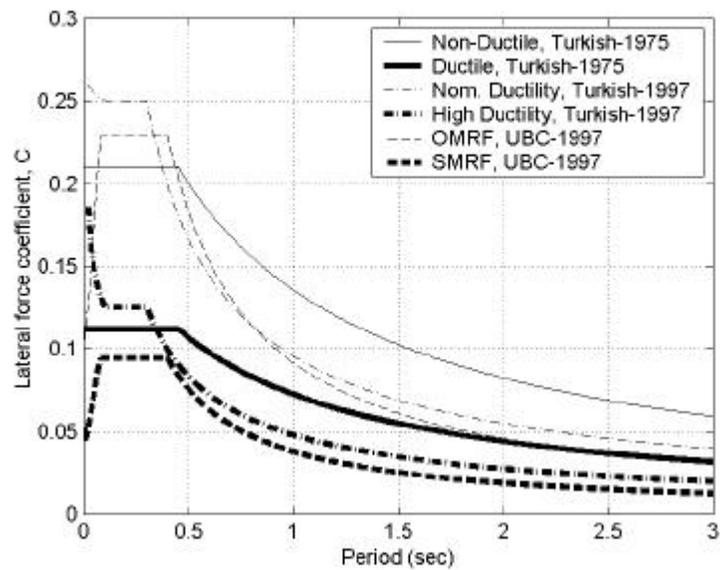


Figure 8 Elastic spectra from the 1997 Uniform Building Code and the 1997 Turkish seismic code



(a) Soft soil sites



(b) Rock sites

Figure 9 Lateral-force-coefficient spectra for the 1975 and 1997 Turkish seismic codes and the 1997 Uniform Building Code

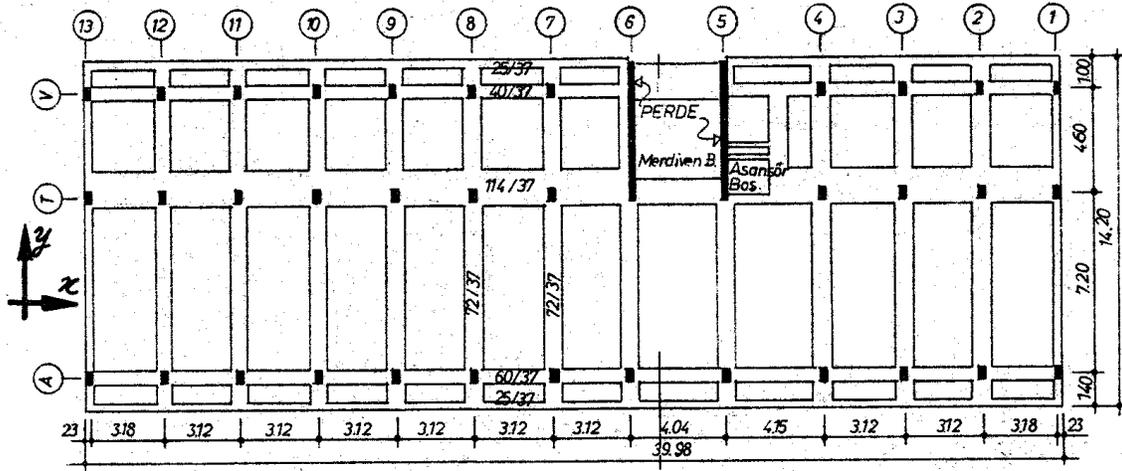


Figure 10 Plan view of Adapazari City Hall [Anadol, 1972]

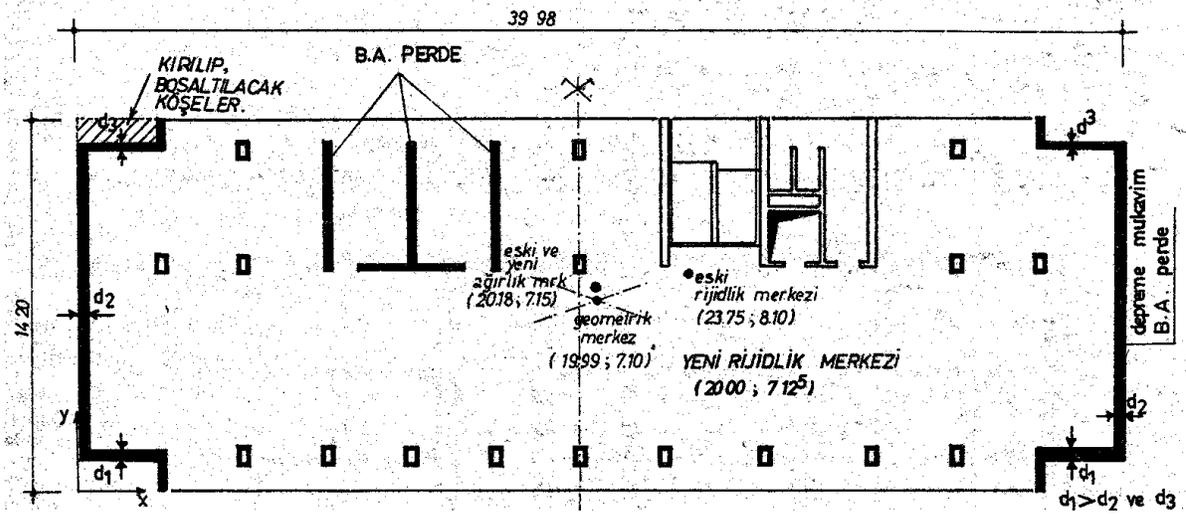


Figure 11 1967 shear wall retrofit of City Hall [Anadol, 1972]



Figure 12 Adapazari City Hall following the November 11, 1999 aftershock

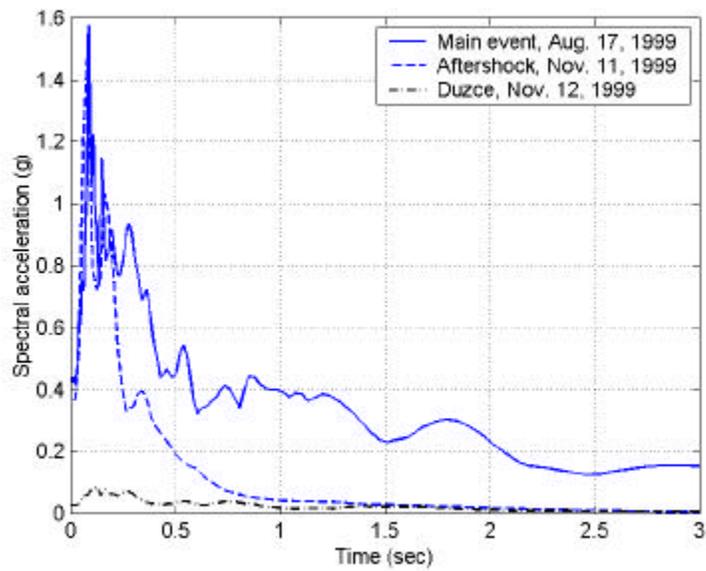


Figure 13 Acceleration spectra for the August 17, 1999 mainshock and November 11, 1999, aftershock