Determine the NEHRP-97 design seismic forces for a three-story concrete shear-wall office building. It is located in downtown Los Angeles (Zip 90012) on soil with an average shear wave velocity of 1500 ft/sec for top 100 ft. The story heights are 13 ft for the first floor and 11 ft for the second and third floors. The story dead loads are 2200, 2000, and 1700 kips from the bottom up. The plan dimension in the direction under consideration is 120 ft. The shear walls do not carry vertical loads.