

1. The conducted studies in the field of structural damage in past earthquakes show that adjacent buildings with partial discontinuity or with a common wall between two structures may suffer serious damage during an earthquake and even go to the point of collapse [3, 4]. Introduction Today, in cities with high population density, the minimum gap among adjacent structures is an important issue due to the fluctuation of buildings during seismic excitations, and various codes in this field have specified the minimum distance to prevent buildings from colliding [1, 2].