

St Alban's - Summary of Hall Building Seismic Assessment

The hall building has been assessed to have a seismic rating of 20%*NBS* (New Building Standard). This means that it has only 20% of the seismic strength and resilience that a building built today on the same site would have.

The rating means that the current hall building has 25 times the risk of collapse of a new building, under the design level of earthquake shaking defined by the NZ standard for this site.

The most critical aspects of the building are the double skin brick side walls of the main hall space. They cannot support the roof under earthquake shaking in a direction across the hall. The ceiling diaphragm is inadequate to carry loads to the end walls, and the end walls are inadequate to brace the building in the across hall direction.

