



FEEL SAFE



SAFE AND SOUND! : EARTHQUAKE-RESISTANT BUILDINGS

Making homes, schools and historic buildings safe from seismic risk is possible. Intervening to make buildings safe is important not only to preserve artistic, cultural and environmental heritage, but also and above all to save lives.

Before starting work on a building, it is necessary to know its history and the history of the area in which it is located. For example, it is necessary to know what year the building was constructed and whether it has already been impacted by previous strong earthquakes.

When planning the construction or renovation of a building to make it resistant to earthquakes, the following should be considered:

- Choose lightweight materials (such as wood) that can withstand the shaking stresses of an earthquake.
- Prefer to design buildings with a shape (plan and elevation) that is preferably square or rectangular.
- Design foundations that are larger and more rigid than the rest of the building, and also include reinforcement structures that can absorb seismic waves.
- Connect floors and walls together (e.g. by means of tie rods) to ensure that the building behaves as a single block during an earthquake.

