

□ Acceleration less than 0.04g.
No damage expected from seismic activity.

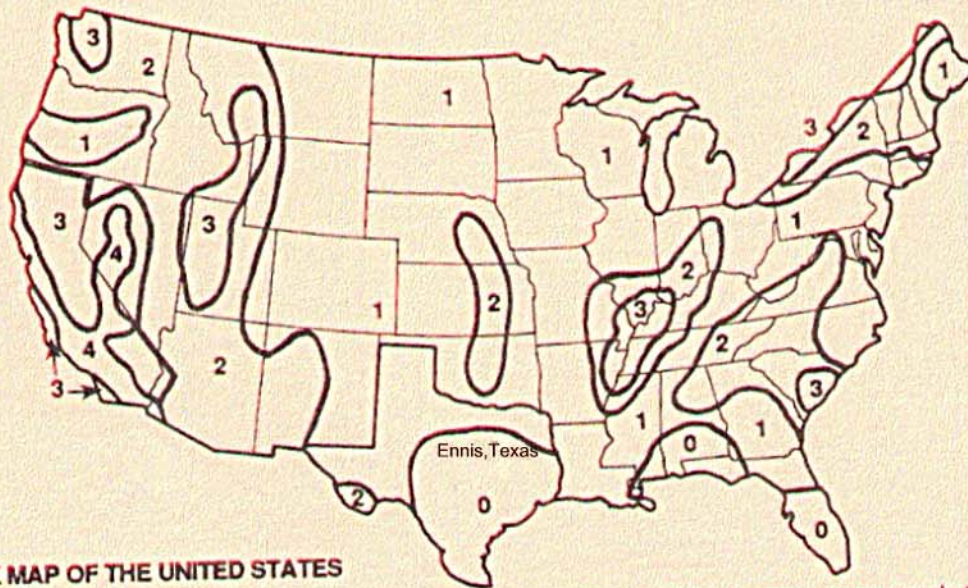
▨ Accelerations greater than 0.04g.
Minor damage: distant earthquakes may cause damage to structures: corresponds to Modified Mercalli Intensity V and VI.

▤ Accelerations greater than 0.10g.
Moderate damage: corresponds to Modified Mercalli Intensity VII.

■ Accelerations greater than 0.20g.
Major damage: corresponds to Modified Mercalli Intensity VIII and higher.

Map of Horizontal Acceleration in Rock With a 90 Percent Probability of Not Being Exceeded in 30 Years.

SOURCE: ALGERMISSEN ET AL, 1982



SEISMIC RISK MAP OF THE UNITED STATES

ZONE 0 - No damage

ZONE 1 - Minor damage; distant earthquakes may cause damage to structures with fundamental periods greater than 1.0 second; corresponds to intensities V and VI of the M.M.* Scale.

ZONE 2 - Moderate damage; corresponds to intensity of VII of the M.M.* Scale.

ZONE 3 - Major damage; corresponds to Intensity VII and higher of the M.M.* Scale.

ZONE 4 - Those areas within Zone No. 3 determined by the proximity to certain major fault systems.

*Modified Mercalli Intensity Scale of 1931

SOURCE: UNIFORM BUILDING CODE

(Source: Report- Texas National Research Laboratory Commission Superconducting Supercollider. September 2, 1987)

Figure 3.4-1. Seismic Hazard Maps.
Earthquake hazard at the Dallas - Fort Worth SSC Site is negligible - the lowest possible in the United States.