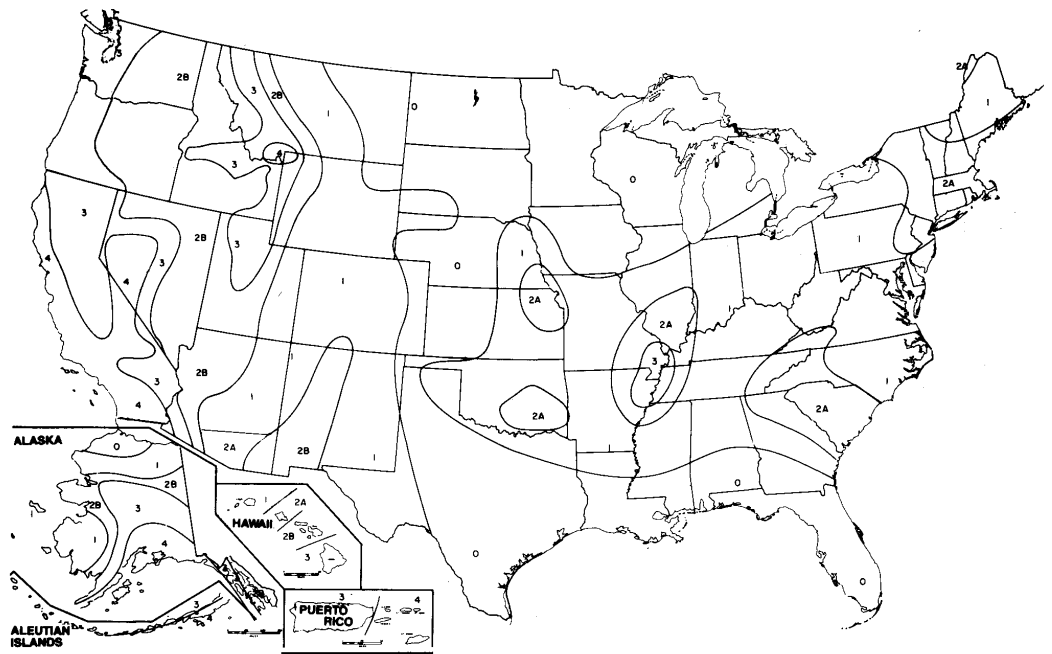


FOUNDATION PAD

If a new liquid nitrogen bulk storage tank is going to be installed, a foundation pad will need to be poured. The foundation pad provides a stable surface to safely mount the tank. The pad is sized according to the tank size and the geographical location. A major factor in the design/sizing of the pad is the susceptibility to earthquakes in the geographical area. Risk levels are known and represented by the “seismic zone” of your area. As the seismic zone increases, the risk of earthquakes is larger and the foundation pad must be much stronger.

The United States has six different seismic zones (0, 1, 2A, 2B, 3, 4). The following map can be used as a simple reference to determine what seismic zone you are in. If your area appears to be near a boundary on this map, it is recommended to check with local city inspectors to determine the correct zone.



After determining the correct seismic zone, the following table gives the recommended foundation pad specification based on tank size. **It is important to note that this design serves as a guideline and should be approved by all local inspectors before installation.**

Tank Size	Foundation 0 - 2A	Foundation 2B - 4
VS-1,500 Gallon	<u>C-10951715</u>	<u>C-10851723</u>
VS-3,000 Gallon	<u>C-10875492</u>	<u>C-10875476</u>
VS-6,000 Gallon	<u>C-10875505</u>	<u>C-10875468</u>
VS-9,000 Gallon	<u>C-10875484</u>	<u>C-10875450</u>
VS-11,000 Gallon	<u>C-10875484</u>	<u>C-10875450</u>

