

DESIGN CRITERIA FOR THE STATE OF UTAH

❖ Snow:

- Site specific depending upon the County and site elevation. The ground snow load must be calculated in accordance with Section 1608.1.2 of the Utah Amended Code ([Item 43](#)) with regional snow load factors compliant with Table 1608.1.2(a).
- At locations where the roof snow load exceeds 30psf, a percentage of the snow load must be considered in the effective seismic weight of the structure per Section 1613.7 of the Utah Amended Code ([Item 47](#)).

❖ Wind:

- Speed: Per local jurisdiction, typically 90 mph 3-wind gust.
- Exposure: Site specific. Typically "B" or "C".

❖ Seismic:

- Ground Motions: For specific acceleration values see the [USGS National Seismic Hazard Maps](#).
- Seismic Design Category: Site specific (per IBC 1613.5.6).

❖ Soils:

- Frost Depth: Per local jurisdiction.
- All projects require a site-specific soils report meeting the requirements of Section 1802 of the IBC. Additions to existing facilities of less than 3,000 square feet are exempted from this requirement.
- Site Class: Site specific. For projects not requiring a soils report Site Class 'D' can be assumed per IBC 1613.5.2.
- Allowable Bearing Pressures:
 - Foundation pressure: 1,500psf, per Table 1804.2.
 - Lateral pressure: 100psf/f, per Table 1804.2.
 - The above listed values are maximum allowable values unless listed otherwise by a site-specific soils report.
- All projects located in close proximity to active faults must provide an appropriate surface-fault-rupture-hazard study in accordance with the "[Guidelines for Evaluating Surface-Fault-Rupture Hazards in Utah](#)". Earthquake fault maps for specific Utah Counties can be found on the website for the [Utah Geological Survey](#).

Last Revised: 07/2007