



DESIGN CRITERIA FOR SALT LAKE CITY CORPORATION

SALT LAKE CITY CORPORATION – BUILDING SERVICES, USES THE FOLLOWING DESIGN CRITERIA WHEN REVIEWING A PROJECT OR DEVELOPMENT WITHIN THE CORPORATE LIMITS OF SALT LAKE CITY.

CODES & ORDINANCES AS ADOPTED BY SALT LAKE CITY CORPORATION

❖ SNOW:

- SITE SPECIFIC DEPENDING UPON ELEVATION WITH A MINIMUM FLAT ROOF SNOW LOAD (Pf) OF 30PSF, AND A MINIMUM GROUND SNOW LOAD OF (Pg) OF 43PSF AT A BASE ELEVATION OF 4,500 FEET. THE CHART BELOW MAY BE USED TO FIND THE MINIMUM LOADS AT HIGHER ELEVATIONS.

ELEVATION (FEET)	Pg (PSF)	Pf MIN. (PSF)
LESS THAN/EQUAL TO 4500	43	30
4600	44	31
4700	45	32
4800	47	33
4900	50	35
5000	54	38

**TABLE ONLY VALID IF SITE ELEVATION IS WITHIN 100 FEET OF LISTED ELEVATION.*

- AT LOCATIONS WHERE THE ROOF SNOW LOAD EXCEEDS 30PSF, INCLUDE 20% SNOW LOAD IN THE EFFECTIVE SEISMIC WEIGHT OF THE STRUCTURE.

❖ WIND:

- SPEED: 90 MPH, 3-SECOND WIND GUST.
- EXPOSURE: SITE SPECIFIC. TYPICALLY "B" OR "C"

❖ SEISMIC:

- SEISMIC DESIGN CATEGORY: SITE SPECIFIC. ALL SITES WITHIN SALT LAKE CITY ARE CLASSIFIED AS "D" AT A MINIMUM, WITH MANY SITES REQUIRING AN "E" CLASSIFICATION DEPENDING UPON SITE CLASS AND 1-SECOND SPECTRAL RESPONSE ACCELERATIONS GREATER THAN 0.75G.
- THE INTERNATIONAL RESIDENTIAL CODE (IRC) PROVIDES SEISMIC DESIGN CATEGORIES BY ZIP CODE FOR RESIDENTIAL BUILDINGS.

❖ SOILS:

- FROST DEPTH: 30 INCHES.
- SITE CLASS: SITE SPECIFIC.
- GEOTECHNICAL INFORMATION: ALL COMMERCIAL PROJECTS REQUIRE SITE-SPECIFIC GEOTECHNICAL REPORTS MEETING THE REQUIREMENTS OF SECTION 1802.2.7 OF THE IBC.

❖ MISCELLANEOUS:

- ALL PROFESSIONALLY DESIGNED PLANS MUST BE WET SIGNED ON THE FIRST PAGE ONLY, BY THE ARCHITECT OF ENGINEER OF RECORD. ALL OTHER SHEETS SHALL BE STAMPED, SIGNED AND DATED BUT MAY BE ELECTRONICALLY REPRODUCED.
- COMMERCIAL REMODELS OVER 3,000 SQUARE FEET MUST BE DESIGNED BY AN ARCHITECT, STAMPED, SIGNED & DATED.
- ALL COMMERCIAL ADDITIONS, REGARDLESS OF SIZE, MUST BE SIGNED BY AN ARCHITECT, STAMPED, SIGNED & DATED.
- ALL SITE PLANS REQUIRING ZONING REVIEW MUST BE DRAWN TO SCALE ON NO LESS THAN 8 ½" X 11" PAPER.