




# INFORMATIONAL BULLETIN

**Bulletin No.: 182**

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Effective: 05/01/1984

Revised: 02/23/2021

  
Chief Building Official

## SWIMMING POOL AND SPA PLAN SUBMITTALS

All swimming pool plans shall contain the following information:

1. A plot plan showing location of pool or spa, structures, appliances, skimmers, overflow and devices. Dimensions from property lines and existing buildings shall be shown.
2. All piping location, material, and sizing shall be shown.
3. Data to include engineering calculations and/or manufacturer's data to qualify filtration turnover time to comply with Section 3124B of the California Building Code shall be provided.
4. A statement shall be shown on plans requiring that a special inspector certified for concrete placement by the City of Irvine be present during all concrete and gunite placement for pools and spas. The special inspector shall submit all required reports to the City.
5. All pools and spas shall contain a separate skimmer or approved perimeter overflow to comply with California Building Code requirements. Discharge piping shall be connected directly to the pumped circulation piping flowing through pool/spa filtration system.
6. Structural calculations for the pool or spa structure prepared by a qualified licensed professional.
  - a) A hydro-static valve shall be installed in the pool and/or spa to relieve hydro-static pressure.
  - b) The pool and/or spa shall be designed to accommodate the effects of expansive soils with a minimum equivalent fluid pressure of 100 pcf.

Exception:

A soil report prepared and signed by a licensed civil and or geotechnical engineer. The said report shall include, but not be limited to, the following information:

- a) A plot showing the location of all test borings and/or excavations.
- b) Descriptions and classifications of the materials/soils encountered.
- c) Elevation of the water table, if encountered.
- d) Recommendations for design criteria including bearing capacity, provisions to minimize the effects of expansive soils and the effects of expansive soils and the effects of adjacent loads.
- e) Expected total differential settlement.