



Pool and Spa Construction and Inspection Guide

BI-21

CBC 2022

BARRIERS

1. Barrier fence shall be in place prior to pre-plaster inspection. Existing fences used as a barrier must meet the barrier requirements prior to proceeding with the pool plastering and filling with water.

LOCATION:

1. Pool and equipment shall be located per the approved plans.
2. Pool and Spa equipment shall be placed in a sound barrier enclosure (i.e. covered block wall) or otherwise meet the noise levels required by the noise ordinance.

POOL DESIGN:

1. Use approved plans for pool shell.
2. If pool is within house surcharge area, see the engineers' requirements.
3. Storm water shall not drain into the pool from other structures and the site. Decks shall drain to street via approved drainage system. Filter wash shall be retained on site.

ROUGH PLUMBING AND ELECTRICAL INSPECTION

1. Use K copper and plastic pipe. Copper-depth of lines to be 12 inches under concrete.
2. The pool heater shall be installed per its listing. There must be a length of plumbing (36 inch minimum) between the filter and the heater to allow for the possible future addition of solar heating equipment.
3. Electric wiring shall be in plastic conduit. Schedule 80 above ground and securely mounted.
4. Use tracer wire (Minimum #14 copper plastic covered) with polyethylene (PE) gas piping.
5. Pressure test gas line (10 p.s.i. for 15 minutes).
6. Pump circuits and outlets shall be GFCI protected. Provide a 120V GFCI receptacle between 6 ft. and 20 ft. from water's edge. Provide waterproof switches and receptacles.
7. A #8 copper bonding wire shall effectively bond all metal elements of the pool including handrails, pumps, and fences within 5 feet of the pool.

FINAL INSPECTION:

1. Secondary Pool barriers and safety devices shall be in place at final.
2. The pool pump and heater shall be operational at the final inspection.
3. If the pool or spa is heated, thermal cover is required per the CA Energy Code Section 110.4b 2.

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