

**CITY OF PLACENTIA  
DEPARTMENT OF DEVELOPMENT SERVICES  
BUILDING DIVISION - (714) 993-8124**

**SWIMMING POOL, SPA, HOT TUB NOTICE**

Electrical service conductors and other open overhead wiring cannot cross pool and must clear pool and equipment by ten (10') feet horizontally, or a special cable must be installed per NEC Section 680-8.

When utility wires are located overhead, contact Southern California Edison Company for a special cable installation.

Overhead wiring must comply prior to steel inspection.

A fence at least five (5') feet in height, measured from outside ground level, enclosing the pool with self-closing, self-latching gates which open outward away from the pool are required prior to plaster inspection.

A \$500.00 Cash Bond shall be posted prior to issuance of permit unless no mechanical equipment is used for excavation and no material is stored in the street.

**INSPECTION REQUIREMENTS**

1. **MAIN DRAIN:** Main drain shall be pumped up to a pressure of 35 pounds and hold a constant pressure for a minimum of 30 minutes. Two drains with three (3') feet of separation or on different planes.
  
2. **ELECTRICAL BONDING:** All metallic conduit, piping systems, pool reinforcing steel, lighting fixtures, lighting fixture housings, metal parts of ladders, diving boards and their supports, and any metal within five (5') feet of water edge are to be bonded together and grounded to a common ground.

3. **STEEL-FENCING APPROVAL:** Reinforcing steel must clear soil by two (2") inches minimum on all sides.

Temporary fences must maintain a five (5') foot minimum height measured from outside ground level and installed prior to steel inspection.

For all pools located in a "Water Table" area, a hydrostatic pressure relief valve must be provided at low point of pool along with a rock/gravel base.

**UPON COMPLETION OF ABOVE, AND BUILDING INSPECTOR'S APPROVAL, POOL MAY BE GUNITED.**

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4. **UNDERGROUND ELECTRIC:** No attachment plug receptacles shall be installed within ten (10') feet of the inside face of the walls of the swimming pool. All diving board, slide, and grab rail supports must be in and bonded for rough electrical inspection. P.V.C. electrical conduit shall be eighteen (18") inches underground. All lighting fixtures with sixteen (16') feet horizontally and twelve (12') feet vertically of water edge must be G.F.I. circuited. All exterior electrical outlets must be GFI circuited.

5. **GAS PIPING TEST:** Gas lines must be pumped up to ten (10) lbs. of pressure and hold constant for a minimum of 15 minutes. P.V.C. gas lines shall be eighteen (18") inches underground or protected, and must transition to factory wrapped metal sweeps.

**ABOVE INSPECTIONS MUST BE APPROVED BY BUILDING INSPECTOR PRIOR TO THE INSTALLATION OF A DECK**

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**6. DECKING REQUIREMENTS FOR POOLS IN PLACENTIA:**

All areas in Placentia are considered Expansive Soil unless otherwise specified by an engineer's report. Pool decking design must be as shown on plans for expansive soil. Provide expansion joints every 100 square feet.

7. **ELECTRICAL FINAL:** All ground wires properly connected to junction boxes. Motors hooked up properly and grounded.

8. **FENCING FINAL:** Every person in possession of land within the city, either as owner, purchaser under contract, lessee, tenant or licensee, upon which is situated a swimming pool, shall at all times maintain on the lot or premises upon which such pool is located and completely surrounding such pool, lots or premises, a substantial fence or wall not lower in height than five (5') feet measured from ground level on exterior of fence or wall (including gates) with no holes, gaps or openings larger than four (4") inches in any horizontal dimension. If fence has horizontal openings greater than two (2") inches between vertical members, no horizontal member will be installed that will afford a means of climbing such fence, wall or gates. Horizontal members must be located at or near top and bottom of fence or wall to provide the maximum amount of vertical clearance. A dwelling house may be used as part of such enclosure. Gates or doors shall be provided with latches and closure devices capable of keeping such gate or door securely closed at all times. Gates to have outward swing away from pool area. Such device shall be located not less than four feet six inches (4' 6") above exterior grade. This section will include walk-through garage doors.

This section is not intended to prevent use of other approved devices provided that the degree of protection is not reduced from that given above.

**UPON COMPLETION OF ABOVE AND BUILDING INSPECTOR'S APPROVAL, FINISH PLASTER MAY BE APPLIED**

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9. **HEATER FINAL:** Pool equipment shall be installed on a slab four (4") inches above grade. Heater shall meet approved standards and be installed as per approval. A vent on outdoor installation shall be properly supported by a 3 point guy wire, #9 gauge, or is off-set, by 1 ¼" galvanized pipe set in concrete 18" deep. Vent must terminate four (4") feet from side and rear property lines. Vent less heaters can be installed within a four (4') foot setback.

10. **PLUMBING FINAL:** All hose bibs within fifty (50') feet of pool must be protected with anti-siphon devices.

11. **POOL LIGHT:** Must function properly. Service boxes must show "Pool Light" and "Pool Pump" labels beside appropriate service and switches. Junction boxes must be listed by Underwriter's Laboratories for installation in swimming pools. These boxes must be of corrosion resistant material, which usually means brass or stainless steel. In addition, they must have grounding screws in the box with means of independently terminating not less than two (2) grounding conductors.

**HOMEOWNER OR POOL CONTRACTOR MUST NOTIFY BUILDING DIVISION FOR A FINAL INSPECTION AND APPROVAL**

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12. **TYPE OF DRAIN:** All types of pools shall have 2 anti-vortex type drains.

**ELECTRICAL SUGGESTIONS:**

1. All pumps and blowers shall have separate circuits. The size of wire for these circuits would generally be #12 wire.
2. All rigid conduit shall be wrapped with an approved tape when installed below ground. Tape shall be wrapped six (6") inches above grade.
3. All metal parts within five (5') feet of water's edge, as well as all motors, must be bonded with a solid #8 copper wire and terminate to a proper bonding agent using a bonding clamp.

**SWIMMING POOL HEATING: (spas and hot tubs excluded)**

1. The requirements of this section shall apply after July 3, 1979.
2. Any new or replacement fossil fueled swimming pool heater system shall be equipped with both of the following:
  - (a) An on-off switch mounted on the outside of the heater for easy access to allow shutting off the operation of the heater without adjusting the thermostat setting and to allow restarting without relighting the pilot light.
  - (b) A length of plumbing (36" minimum) between the filter and the fossil fuel heater to allow for the future addition of solar heating equipment.
3. Any new or replacement fossil fueled swimming pool heater installed after January 1, 1982, shall have a thermal efficiency of at least 75% when tested in accordance with ANSI Z21.56-1975.
4. Outdoor pools equipped with a fossil fuel heater shall also be equipped with a pool cover.
5. Time clocks shall be installed on any new or replacement pool circulation pump not already so equipped so that the pump can be set to run in the off-peak electric demand period (unless required to operate an active solar pool heating system) and for the keeping with applicable public health standards. Where public health standards require twenty-four hour operation, time clocks shall not be required.
6. All new pools shall be equipped with directional inlets for good mixing of the pool water.