



**City of El Cajon**  
**Building and Fire Safety Division**  
200 Civic Center Way.  
El Cajon, CA 92020  
Phone: (619) 441-1726  
Inspection Request Line (619) 441-6210

## **POOL INSTALLATION**

**Please read and be aware of the following information!**  
**Call for a pre-site inspection prior to commencing pool construction**  
**Inspection request line: (619) 440-0481**  
**DO NOT START WORK PRIOR TO PRE-SITE INSPECTION**

### **Pool Enclosures (2010 CBC 3109.4.4.3)**

An Enclosure shall have all of the following characteristics:

- 1.) Any access gates through the enclosure open away from the swimming pool and are self-closing with a self-latching device placed no lower than 60 inches above the ground.
- 2.) A minimum height of 60 inches.
- 3.) A maximum vertical clearance from the ground to the bottom of the enclosure of 2 inches.
- 4.) Gaps or voids, if any, do not allow passage of a sphere equal to or greater than 4 inches.
- 5.) An outside surface free of protrusions, cavities or other physical characteristics that would serve as handholds or footholds that could enable a child below the age of 5 years to climb over.

### **Pool Alarms (2010 CBC 3109.4.4.2)**

Safety features required. It shall be equipped with at least one of the following seven drowning prevention safety features:

- 1.) The pool shall be isolated from access to a home by an enclosure that meets the requirements of section 3109.4.4.3.
- 2.) The pool shall incorporate removable mesh pool fencing that meets American Society for Testing and Materials (ASTM) Specifications F2286 standards in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device.
- 3.) The pool shall be equipped with an approved safety pool cover that meets all requirements of the ASTM Specifications F 1346.
- 4.) The residence shall be equipped with exit alarms on those doors providing direct access to the pool.
- 5.) All doors providing direct access from the home to the swimming pool shall be equipped with a self-closing, self-latching device with a release mechanism placed no lower than 54" above the floor.
- 6.) Swimming pool alarms that, when placed in pools, will sound upon detection of accidental or unauthorized entrance into the water. These pool alarms shall meet and be independently certified to the ASTM Standard F2208.
- 7.) Other means of protection, if the degree of protection afforded is equal to or greater than that afforded by any of the devices set forth in items 1-4, and have been independently verified by an approved testing laboratory as meeting standards for those devices established by the ASTM or the American Society of Testing Mechanical Engineers (ASME).

Prior to the issuance of any final approval for the completion of permitted construction or remodeling work, the local building code official shall inspect the drowning safety prevention devices required by this act and if no violations are found, shall give final approval.

## **Glazing 2010 CBC 2406.4 #9 – 9.2**

All glass within five feet of the inside of the walls of the pool must be tempered.

## **Electrical Requirements 2010 CEC 680**

- 1.) GFCI protection. All 15 and 20 amp, single phase, 125 volt receptacles located within 20 ft of the inside walls of a pool shall be protected by a ground fault circuit interrupter. 680.22 A 4.
- 2.) Maintenance Disconnecting Means. One or more means to simultaneously disconnect all ungrounded conductors shall be provided for all utilization equipment other than lighting. Each means shall be readily accessible and within sight from its equipment and shall be located at least 5 feet horizontally from the inside walls of a pool, spa or hot tub unless separated from the open water by a permanently installed barrier that provides a 5 foot reach path or greater. This horizontal distance is to be measured from the water's edge along the shortest path required to reach the disconnect.
- 3.) Switching devices shall be located at least 5 feet horizontally from the inside walls of a pool unless separated from the pool by a solid fence, wall or other permanent barrier. Alternatively, a switch that is listed as being acceptable for use within 5 feet shall be permitted.

## **Requirements for Pool Heaters**

On/off switch on the side of the heater.

Permanent weatherproof instructions for efficient pool operation.

Minimum 3/4 inch pipe for future solar connection between filter and pool heater.

Minimum 75% efficiency rating for pool heater.

Pools with heater must have a pool cover.

Directional inlets are required and all circulation pumps shall be controlled by time clocks.

## **Drainage**

Pools can drain to the storm drain with certain requirements. Please contact our storm water division before draining your pool. 619.441.1653.

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