



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

POOL INSTALLATION REQUIREMENTS

El Cajon Municipal Code Section 8.28.015
2019 CBC Section 3109, 2019 Calif. Energy Code Section 110.4
2019 CEC Article 680

Pools in addition to an enclosure shall be equipped with at least 1 of the safety features per CBC 3109.2 & Health and Safety Code 115922

Pool Enclosures HSC 115923

An enclosure that isolates the swimming pool from access to the home.

Enclosures shall be a minimum of 60 inches high measured from the side facing away from the pool.

Bottom of enclosure to grade max. 2 inches.

Gaps or voids in the enclosure shall not allow passage of a 4-inch diameter.

Surfaces shall be free of protrusions, cavities, or other physical characteristics that would serve as hand or foot holds that could enable a child below the age of 5 to climb.

Access gates shall open outward from the pool area, be self-closing and self-latching with the latch mechanism no lower than 60 inches above grade.

Any gates other than pedestrian access gates shall be equipped with lockable hardware or padlocks and shall remain locked at all times when not in use.

Exit Alarm

Exit alarms on doors that provide direct access into the pool or spa area. The exit alarm may cause either an alarm noise or a verbal warning, such as a repeating notification. It shall be capable of providing a sound pressure level of not less than 85 DBA, shall activate within fifteen seconds after the door is opened and shall sound continuously for a minimum of ten seconds then automatically reset.

The alarm shall be equipped with a manual reset, such as a touchpad or switch, located on the interior side of the wall not less than sixty inches above the threshold of the door to permit entry and exiting without activation of the alarm.

The alarm shall automatically reset under all conditions, and may be battery operated, connected to the building wiring or part of an approved Wi-Fi security system.

Pool Alarm

An alarm that when placed in a swimming pool or spa, will sound upon detection of accidental or unauthorized entrance into the water. Shall meet ASTM Standard F2208

Electrical Requirements

Equipotential bonding of all pool structure and equipment required. #8awg min.

All metal within 5 ft of the inside wall of the pool shall be bonded. Awnings, piping, doors, fences, etc..

Service drops and overhead wiring per CEC Table 680.9(A) clearance in any direction from water or edge.

Switches shall be located at least 5 feet horizontally unless listed as acceptable for such use.

At least one 125-volt convenience receptacle shall be installed a min. of 6 feet and not more than 20 feet from the inside wall of the pool. 680.22

All receptacles located within 20 feet of the inside walls of the pool shall be protected by a GFCI/WR device.

Pool pump power supply breaker or receptacle GFCI protected CEC 680.21(C)

Requirements for Pool Pumps/Heaters

Certified it meets all mandatory requirements per Energy Code Sec.110.4

On/off switch mounted on the outside of the heater. Energy Code 110.4

Permanent weatherproof instructions for efficient pool operation.

Minimum 36 inch pipe installed between filter and pool heater or suction and return lines for future addition of solar heating equipment

Pools with heater must have a pool cover.

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

Drainage

Pool shall have at least two circulation suction outlets per pump hydraulically balanced and symmetrically plumbed through one or more "T" fitting separated by at least 3 feet.

Suction outlets shall be equipped with anti-entrapment grates as specified by ANSI/APSP-16.

(includes remodel or modification of existing pools)

Glazing All glass within 60" horizontally and less than 60" vertically of the water's edge of the pool must be tempered.