



CITY OF PASADENA

BUILDING AND SAFETY DIVISION

175 North Garfield Avenue, Pasadena, CA 91101-1704

(626) 744-4200 Fax: (626) 744-3979

www.cityofpasadena.net

RESIDENTIAL SWIMMING POOL PLAN SUBMITTAL REQUIREMENTS

*Prior to permit issuance, three (3) sets **OR** add one (1) CD or flash drive (pdf files) when submittal is required of the following plans, which must be stamped and signed for a new or remodeled residential swimming pool and/ or spa:*

- Site/Plot Plan (must also be stamped & signed by pool engineer)
- Structural Pool/Spa Plans (prepared by a registered engineer)
- Soils Report (may be required if not located on relatively flat terrain)

Show The Following Minimum Requirements On Plans:

- The project plans drawn to a scale of not less than 1/8" per foot
- The names and addresses of the owner and design team on the first sheet of plans
- The project address on each sheet of the plans
- The property lines, street name, north arrow, and location of any easements (if applicable)
- Existing structures, fencing (pool barrier), retaining walls (if applicable), and pool equipment
- Pool/Spa dimensions, depth, and setbacks to all adjacent structures and property lines
- Any slopes on and adjacent to the property, direction of the slope, gradient (i.e. 2:1), and the full height of the slope
- Location of the pool lights (if applicable)
- Any windows or doors with glazing within 5 ft. of the pool/spa
- When applicable, verify if the overhead conductor meets the minimum clearances to the pool/spa per Table 680.9(A) of the Electrical Code.

*Specify on the site/plot plan if you are on septic system. Show the septic tank location as well as seepage pit or leech lines location on the site/plot plan (if applicable).



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RESIDENTIAL SWIMMING POOL CONSTRUCTION REQUIREMENTS

Pool/ Spa Construction Notes

- A temporary fence and gate shall be in place prior to commencing pool construction.
- Fencing is required to isolate the pool/spa or any other bodies of water over 18-in deep from neighboring properties and public ways per Municipal Code Section 14.04.400. The barrier shall be a minimum 5-ft in height measured outside of the barrier. Chain link fences are prohibited to be used as a barrier.
- Swimming pool/spa or any other bodies of water over 18-in deep shall be equipped with at least two (2) of the following seven (7) drowning prevention safety features:
 - 1) Enclosure per Section AV100.3 of CRC to isolates the pool/spa from the private home.
 - 2) Removable mesh fencing (ASTM F2286) with a key lockable gate that is self-closing & self-latching.
 - 3) Safety pool cover (ASTM F1346-91).
 - 4) Exit alarms (alarm noise or verbal warning) on exterior doors of the private home that provide direct access to the pool/spa.
 - 5) Exterior doors of the private home that provide direct access to the pool/spa shall be self-closing & self-latching with the release mechanism located a minimum 54" above the floor.
 - 6) Pool/spa alarm (ASTM F2208) placed in the pool/spa.
 - 7) Other means of protection, if equivalent or greater than the features above and verified by ASTM or ASME.
- All gates shall swing away from the pool/spa, be self-closing, and self-latching with the latching device on the inside at least 60-in above the ground.
- Per City Policy, driveway gates may be used as part of the barrier provided it is at least 60-in high, have a motorized closer set to close at a maximum 30-sec cycle, and provided with a power backup in case of a power outage so that the gate is still functional.
- Safety glazing (windows) is required where the bottom exposed edge of the glazing is less than 60-in above the walking surface and within 5-ft (measured horizontally) of the water's edge.
- Any decorative design work that renders the fence easily climbable from the outside is prohibited. The maximum vertical distance shall be 2-in from the ground to the bottom of the barrier. Gaps or voids, if any, shall not allow passage of a sphere equal to or greater than a 4-in in diameter.
- New or alteration to existing pool/spa shall be equipped with suction outlets to provide circulation throughout the pool/spa. Outlets shall be covered with anti-entrapment grates (ANSI/APSP-16) that cannot be removed except with the use of tools.
- The pool/spa shall have at least two circulation suction outlets per pump that shall be hydraulically balanced and symmetrically plumbed through one or more "T" fittings, and that are separated by a distance of a least 3-ft in any dimension between the outlets.
- All metals objects within 5-ft of the pool/spa inside walls shall be bonded to the pool steel.
- At least one electrical receptacle shall be provided between 6-ft and 20-ft from inside of the pool/spa wall and shall be GFCI protected.
- Electrical receptacles within 6-ft of the inside of the pool/spa wall are prohibited.
- All single-phase, 120V-240V outlets supplying pool pump motors are required to be GFCI protected.
- A pool heater shall be located at least four feet (4') away from an operable window.
- The registered (from a HERS provider) CF2R-PLB-03-E (energy) Form (Certificate of Installation: Pool And Spa Heating Systems) shall be verified the building inspector prior to final inspection of the pool equipment installation.