



Outdoor Swimming Pools and Spas

CITY OF HEMET BUILDING DIVISION
445 E FLORIDA AVENUE, HEMET, CA 92543
(951) 765-2475

What is considered a pool?

A swimming pool or pool means any structure intended for swimming or recreational bathing that contains water over 18". This includes in-ground and above-ground structures and includes, but is not limited to, hot tubs, spas, portable spas and non-portable wading pools.

I. Plan Design and Submittal Requirements:

- A. Provide two (2) sets of fully dimensioned plans, drawn to scale, legible with a minimum font size of 10 pts, with a minimum of 11" x 17" paper size, unless additional sets are stated. These plans shall include the following:
 1. Title Sheet
 2. Electrical Specifications
 3. Plumbing Specifications
 4. Plot/Site Plan (3 copies required)
 5. Title 24 Energy Information
 6. Pool Structural Plan (Highlight columns to be used in details 1 & 5)
 7. Accessory Structure Specifications
 8. Manufacturer/Equipment Specifications
- B. Planning Department Approval. Please contact the Planning Division directly to obtain approval.
- C. Riverside County Health Department. For Commercial Only, provide written evidence from Riverside County Health Department approving the swimming pool and/or spa construction or alteration for this project. Contact the Health Department directly at (951) 766-2824.
- D. Preparer's Signature. All construction documents/plans shall bare the appropriate stamp and signature for architects/engineers for structural elements/other systems and/or contractor's license number and signature for non-structural pool/spa systems. Unlicensed individuals are prohibited from designing pools/spas and associated systems. (B & P Code 5537)

II. Title Sheet/Site Plan Requirements

- A. Provide a complete site plan; include all property lines, easements, structures, pool equipment, equipment screen walls, overhead lines etc.
- B. Dimension all structures from the pool edge.
- C. Provide a note on the plans that the proposed construction will conform to the currently adopted codes by the City of Hemet:
2019 California Building Code
2019 California Mechanical Code
2019 California Plumbing Code
2019 California Electrical Code
2019 California Energy Code.
- D. Any glass located less than 60" above the pool area and within 5' of the water's edge shall be safety glazed. In addition, if the window has metal frames, the frames will need to be bonded to the pool at time of construction.
- E. Pools and spas are required to be a minimum of 5' from the property line on which the pool is located and no closer than 3' to any other structure on the property.

III. Pool Shell Construction

- A. A licensed professional must stamp and sign all structural plans.
- B. Structural Engineer of Record and/or contractor is required to strike-out all engineering details and tables not applicable to the project.
- C. Identify pool depths within the footprint of the pool.

IV. Electrical, Plumbing & Mechanical Requirements:

Electrical:

- A. Provide sufficient general and specific electrical notes within the plan set to fully identify and demonstrate all electrical equipment, receptacle, lighting, grounding, and bonding per Article 680 of the 2019 California Electrical Code.
- B. Show location of all outlets, receptacles, and lighting within the plan set.
- C. Identify all conduit, conductor size, wire

type/size and trench depth for all newly installed electrical.

- D. A single line diagram is required when adding a sub-panel. Provide location of existing service panel and any new sub-panel.
- E. Show location of pool equipment disconnect and subpanel and show 36" working clearance.
- F. Overhead utility/service lines must comply with CA Electrical Code Table 680.8 for Overhead Conductor Clearances. If none exist, please state clearly on the site plan.
- G. The disconnect for this pool equipment must be installed a minimum of 5' from the inside wall of the pool and spa and shall be in sight of the pool equipment.

Mechanical/Plumbing:

- A. Provide manufacturer's equipment specifications for all heaters and pumps.
- B. Provide gas isometric with type of material, length of pipe, BTU demand, trench depth, size of pipe, etc.
- C. For a proposed gas fire pit identify location and provide appliance/equipment shutoff valve approval listing number.
- D. Please note on the plan, "All equipment shall be seismically anchored."
- E. Provide location of anti-entrapment/vortex covers meeting current standards of the ASTM or ASME. Identify a minimum 3' separation between all drains and note hydraulically balanced.
- F. Any pool equipment must be at least 4' from any operable window, door or air inlet into the building.
- G. Note on plan: "Rigid PVC pipe shall not be heated or bent using an open flame method or by an unlisted device to field bend any PVC"

V. Safety Barrier Requirements

- A. Indicate the method of providing a pool safety barrier complying with Swimming Pool Safety Act 115920 of the California Health and Safety Code. As of 1-1-2018 two safety barriers are required.

VI. Equipotential Bonding Grid

- A. Indicate the method of providing the equipotential bonding grid, pool water bond, pool equipment, etc.

VII. Title 24-Energy Requirements

- A. All swimming pool and spa projects are required to conform to the 2019 California Energy Code.
- B. Identify and demonstrate within the plan set compliance with the 2019 California Energy Code and 2019 Energy Standards. Include all Mandatory measures (MF-1R) for Pool and Spa Heating Systems and provide the required energy compliance form CF2R-PLB-03-E at time of final inspection.
- C. Pool Systems and Equipment
All residential pool systems and equipment shall comply with the California Energy Code section 15(p) for:
 - 1. Pump Sizing
 - 2. Flow rate
 - 3. System piping
 - 4. Filters
 - 5. Valves

The following links are being provided as a resource:

California Energy Swimming Pool and Spa Compliance Form

<https://www.energy.ca.gov/filebrowser/download/241>

I have reviewed this information and have provided the necessary information on the plans.

Print Name

Signature

Date