



Private Residential Pool/Spa Plan Checklist

Humboldt County Building Division

Please use this checklist as a guide for making your residential pool/spa construction plans. Plans shall be dimensioned and clearly indicate the location, nature and extent of the work proposed (CBC §107.2.1).

Provide the Following Information on Pool/Spa Construction Plans

General Information

- Provide a site plan meeting all the requirements of our site plan checklist (<https://humboldt.gov/DocumentCenter/View/191/Site-Plan-Checklist-PDF>)
- Indicate type of pool (spa, wading pool, below ground, immersion pool, hot tub, etc.).
- Indicate if a cover is included.
- Provide manufacturers specifications for all equipment used.
- Provide manufacturer specifications for the circulation system and show that it will have the capacity to provide a complete turnover of pool water.
- Provide note: "Openings in the grates shall be covered with antientrapment grates, as specified in the ANSI/APSP-16."

Pool Enclosure & Drowning Prevention

- Show fence min. 6ft in height surrounding pool (a structure may be used as part of the enclosure).
- Indicate the size of openings, holes, and gaps in enclosure (max. 2").
- Provide note: "The outside surface of the enclosure is free of protrusions that would serve as handholds."
- Show the 2 safety features described in CRC Appendix AX Section 115922 that will be provided.

Gate and Doors

- Provide a gate detail indicating type of self-closing latch and height of latch (min. 60")
- Provide note: "All gates and doors shall be kept closed when the pool is not in use."

Pool Circulation

- Show circulation suction outlets (2 min.) and the distance between them (3' min).

Electrical Requirements

- Show location of all outlets, lighting, switches, and other electrical equipment (pumps, etc.). Indicate if GFCI protected.
- Indicate vertical and horizontal clearance of outlets and lighting to water level.
- Show location of underground wiring and distance from the inside wall of pool.
- Show location of disconnecting means.
- Indicate type of conduit and conductors.
- Show all electrical enclosures (panels, junction boxes, etc.).

Energy Requirements

- Electric resistance heating is not allowed (for exceptions see CA Energy Code §110.4(a)(4)).
- Indicate the type of water heater used.
- Show length of pipe between the filter and heater or dedicated suction and return lines (min. 36").
- Show pump sizing and flow rate calculations per CA Energy Code §150.0(p)(1).
- Show system piping sizes and layout.

Other Notes

- **Additional forms** may be required (see <https://humboldt.gov/3385/Construction-Documents>).
- **Applicable codes** include Humboldt County Code 332-3, CA Residential Code Appendix AX, CA Electrical Code §680, CA Energy Code §110.4(a) & §150.0(p), and related CA Title 24 building codes.
- **Final inspection**, approval and use of swimming pools shall be withheld until all requirements of the approved plans have been met.

Disclaimer: Additional plan views, details, and/or notes may be requested.