



Code Administrators, Inc.

Plan Review ~ Code Inspection ~ Code Consulting ~ Code Education ~ Code Development
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SPA & HOT TUB INSTALLATION SUBMITTAL GUIDELINES

The following guidelines are intended to assist municipal residents with the permit acquisition process with regard to spas and hot tubs for single family dwellings.

PERMIT APPLICATION

The first step in the permit process is to completely fill out the appropriate zoning, use and/or building permit applications. It is important to fill out all applicable areas of the permit applications including all necessary signatures.

PLAN SUBMITTAL

Along with the Permit Application, 3 sets of manufacturer specifications, 3 copies of barrier construction where applicable, 3 copies of electrical plans and 3 copies of a site plan are required. The site plan is for zoning review by the Building Official. One set of complete plans will remain with the Building Official in order to facilitate in the inspection process, while a second set of plans will be returned to the applicant.

GENERAL REFERENCE

- Check with local zoning official for property line distance requirements.
- Any electrical work performed in conjunction with spa/hot tub projects must be inspected.
- Please refer to the building permit number when calling for inspections.
- No building or structure that requires a permit may be used or occupied without obtaining a Certificate of Use and Occupancy after approved final inspection by the Code Official.
- Must be built to manufacturer's specifications.

SPAS AND HOT TUBS

- The outlet(s) that supplies a self-contained spa or hot tub, or a packaged spa or hot tub equipment assembly, or a field-assembled spa or hot tub with a heater load of 50 amperes or less, shall be protected by a ground-fault circuit-interrupter.
- A listed self-contained unit or listed packaged equipment assembly marked to indicate that integral ground-fault circuit-interrupter protection is provided for all electrical parts within the unit or assembly, including pumps, air blowers, heaters, luminaries, controls, sanitizer generators and wiring, shall not require that the outlet supply be protected by a ground-fault circuit interrupter.
- Electric spa and hot tub water heaters shall be listed and shall have the heating elements subdivided into loads not exceeding 48 amperes and protected at not more than 60 amperes. The ampacity of the branch-circuit conductors, and the rating or setting of overcurrent protective devices, shall be not less than 125 percent of the total nameplate load rating.
- Underwater audio equipment used with spas and hot tubs shall comply with the provisions of Section E4106.9.



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SPA AND HOT TUB BARRIER REQUIREMENTS

- **SPAS OR HOT TUBS SHALL BE PROVIDED WITH A LOCKING SAFETY COVER THAT COMPLIES WITH ASTM F 1346, AS LISTED IN SECTION AG107, AND SHALL MEET THE PROVISIONS OF THE LIST BELOW.**

- **BARRIERS LOCATED SO PERMANENT STRUCTURES, ETC. CANNOT BE USED TO CLIMB BARRIER**
 - ✓ 48" minimum height of barrier on exterior side of water
 - ✓ Maximum 2" clearance from bottom of barrier to grade
 - ✓ 4" sphere cannot penetrate openings anywhere in barrier
 - ✓ Solid barriers cannot have indentations or protrusions that could be climbed
 - ✓ Maximum 2.25" mesh size allowed for chain-link fences
 - ✓ Maximum 1.75" opening on lattice

- **GATES**
 - ✓ Gates must accommodate a lock
 - ✓ Pedestrian gates must open away from hot tub, be self-latching and self-closing.
 - ✓ Release mechanism of latch must be 54" above walking surface or 3" below top of gate on pool side **and** must not have openings greater than 1.2" within 18" of the latching mechanism

- **WHERE WALL IS A PART OF THE BARRIER**
Spa/hot tub must conform to the following conditions:
 1. Spa/hot tub must have powered safety cover
 2. All doors with direct access must have alarms for doors and screens sounding for a minimum of 30 seconds **and** commencing not over 7 seconds after the door and screen are opened. Alarm will sound a minimum of 85 dB 10' away and be distinct from the alarms of smoke detectors, etc. **and** must reset automatically. The deactivation device for the alarm system must be a minimum 54" above opening **and** have a maximum deactivation time of 15 seconds.
 3. All doors with direct access must have self-closing **and** self-latching mechanisms with the release a minimum of 54" above opening floor. Swinging doors must open away from the pool.