

Instructions – Pools, Spas & Hot Tubs

Building

Residential In-ground Pool

1. A permit cannot be issued for a pool without all information on the fence barrier and gates including dimensions. Please provide all information with dimensions for both. The gates will be the most difficult to achieve compliance. A copy of code requirements with the dimensions is attached.
2. If fence exists, provide documentation (letter and pictures of existing fence), stating that the fence and gates are or will be code compliant and how this will be achieved.
3. Submit two separate building subcode technical applications. One for the pool and one for the fence with contractor and cost for each.
4. Please submit signed and sealed design drawings including all standards, depths, etc. Provide all information if pool has a diving board from ANSI/NSPI-5, Standard for Residential In-ground Swimming Pools as required by 2006 International Residential Code, New Jersey Edition, Section AG108.
5. According to New Jersey state law, N.J.A.C. 5:23-4.20(c)2.i.(2), please submit to this township a copy of your contract for construction cost so permit fees can be determined.

Residential Above-ground Pool

1. A permit cannot be issued for a pool without all information on the fence barrier and gates including dimensions. Please provide all information with dimensions for both. The gates will be the most difficult to achieve compliance. A copy of code requirements with the dimensions is attached.
2. If fence is existing, provide documentation (letter and pictures of existing fence), stating that the fence and gates are or will be code compliant and how this will be achieved.
3. Please submit two separate building subcode technical applications. One for the pool and one for the fence with contractor and cost for each. If the pool is the barrier than one application is needed.
4. Submit two specifications for the type of pool being installed from the pool manufacturer indicating height of walls, size, how constructed, etc.
5. Where an above ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps, the ladder or steps shall be surrounded by a barrier, which meets the requirements of Section AG105.2 for a ladder enclosure. See attached sketch for a ladder enclosure.
6. According to New Jersey state law, N.J.A.C. 5:23-4.20(c)2.i.(2), please submit to this township a copy of your contract for construction cost so permit fees can be determined.

Building (cont.)

Spas & Hot Tubs

1. Submit two copies of manufacturers specifications for the hot tub or spa and two copies of manufacturer specifications that the safety locking cover complies with ASTM F 1346 as required by IRC 2006 New Jersey Edition AG105.5.
2. According to New Jersey state law, N.J.A.C. 5:23-4.20(c)2.i.(2), please submit to this township a copy of your contract for construction cost so permit fees can be determined.

Electrical

In-ground or Above-ground Pools; Spas & Hot Tubs

1. Submit Electrical tech application completed.
2. Submit Plans showing wiring methods interior and outdoors, for all devices, fixtures and equipment.
3. Provide grounding and bonding requirements.
4. Provide sizes of all wire, cables conductors and electrical equipment.
5. Provide manufacture installation instructions and spec sheets. for all equipment, motors and fixtures.

Fire Protection (if pool heater is included)

1. Get fire permit (Mandatory).

Code sections referenced above under **Building** and **Mechanical** are from the *2009 International Residential Code New Jersey Edition*. This entire code book is available as a "Read Only" document at New Jersey Department of Community Affairs, Division of Codes and Standards (<http://www.state.nj.us/dca/divisions/codes/>) under **Codes & Regulations** as **International Residential Code – NJ ed., 2009**.

For the successful completion of your project, in addition to general guidance and information in this section, The Construction Department reserves the right to ask for any specific information or clarification unique to your project.

Instructions – Pools, Spas & Hot Tubs (cont.)

Plumbing

Plumbing permit requirements for swimming pools, spas and hot tubs per National Standard Plumbing Code 2006

The applicant must confirm compliance to the following:

1. General. Suction outlets shall be designed to provide circulation throughout the pool, spa or hot tub. Single outlet systems, such as automatic vacuum cleaner systems, or other such multiple suction outlets whether isolated by valves or otherwise, shall be protected against user entrapment.
2. Suction fittings. All pools and spa suction outlets shall have a cover that conforms to ASME A112.19.8M, a 18 inch by 23 –inch drain grate or larger, or an approved channel drain system. *Exception:* surface skimmers.
3. Atmospheric vacuum relief system required. Pool and spa single-multiple-outlet circulation systems shall be equipped with atmospheric vacuum relief should grate covers located therein become missing or broken. This vacuum relief system shall include one approved or engineered method of the type specified herein, as follows:
 - a) Safety vacuum release system conforming to ASME A112.19.17
 - b) Approved gravity drainage system
4. Dual drain separation. Single- or multiple- pump circulation systems shall have a minimum of two suction outlets of the approved type. A minimum horizontal or vertical distance of 3 ft shall separate such outlets.
5. All swimming pools shall be equipped with main drain suction outlets in the lowest point of the swimming pool floor. The spacing of the main drain suction outlet(s) shall not be greater than 20 ft on center, nor more than 15 ft from each side wall.
6. Pool cleaner fittings. Where provided, a vacuum or pressure fitting(s) shall be located in an accessible position(s) at least 6 inches and not more than 12 inches below the minimum operational water level or attached to the skimmer.

Note: Provide documentation from the manufacture / supplier that shows compliance to the above items that may apply to your project.

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