

## INGROUND SWIMMING POOLS

Based on the 2009 International Residential Code, section N1103.8, chapter 42, and appendix “G”

THIS LIST IS ONLY A SUMMARY OF THE CODE

All work must comply with the 2009 International Residential Code

1. A minimum 48-inch high barrier around the pool is required; barrier must comply with one or more of the following:
  - a. Barrier may not be located more than 2 inches above grade
  - b. If the distance between horizontal rails is less than 45 inches, the spacing between vertical rails shall not exceed 1¾ inches
  - c. If the distance between horizontal rails is more than 45 inches, the spacing between vertical rails shall not exceed 4 inches
  - d. Gate shall swing outward (away) from the pool
  - e. Gate shall be self-closing and self-latching
  - f. Gate latch shall be located at least 54 inches high measured from the bottom of the gate to the latch —*or*— Gate latch shall be located on the pool side (inside) of the gate a minimum of 3 inches below the top of the gate, and there shall be no opening larger than ½ inch within 18 inches of the latch
  - g. A fence or barrier may not be constructed as a ladder effect so that children outside the pool will not be able to climb over the fence or barrier to gain access to the pool
  - h. If the pool barrier is part of a house wall, garage wall, shed wall, and/or similar structure and there are access door(s) in the barrier wall(s), a door alarm must be mounted on the side of the door or screen door opposite the pool; the deactivation button may not be less than 54 inches above the floor; the alarm must be listed and labeled in accordance with UL 2017
2. Pool equipment installed outside of the pool fence must be placed 48 inches from the pool fence to prevent the equipment from being used for climbing
3. Barriers shall be located to prohibit permanent structures, equipment, or similar objects from being used for climbing
4. All suction outlets shall be designed and installed in accordance with ANSI/APSP-7
5. Lighting fixtures other than the pool light shall not be placed over the pool or within 5 feet horizontally of the pool
6. All equipment is required to be listed and labeled
7. A convenience receptacle is required not less than 6 feet and no more than 20 feet from the wall of the pool; receptacle shall be GFCI (ground fault circuit interrupter) protected; receptacle shall be covered with an in-use cover
8. All conduits shall be buried a minimum of 18 inches below finished grade in a 20-inch deep trench

9. All receptacles, panels, or junction boxes shall be mounted on a structural wall, post (usually 4-inch by 4-inch pressure treated), or equal
10. All non-twist lock receptacles shall be listed weather-resistant type and tamper-resistant type
11. Pool pump shall be controlled with a time clock
12. Pool motor must be bonded to pool with an 8 AWG solid copper wire
13. Pool pump must be listed and labeled for swimming pool use
14. If ladder is metal it must be bonded to the pool using an 8 AWG solid copper wire and listed copper or brass connectors
15. All metal within 5 feet of inside wall of the pool shall be bonded to the pool with 8 AWG solid copper wire
16. An 8 AWG solid bare copper wire shall be installed around the perimeter of the pool no less than 18 inches and no more than 24 inches from the wall of the pool; wire shall be buried 4 to 6 inches deep; wire shall be connected to the pool (with listed connectors) at 4 locations equally spaced; if pool walls are nonconductive material the bonding ring would run to the pool pump
17. Bonding connectors and machine screws or nut and bolts shall be stainless steel, brass, copper or copper alloy; connectors shall be listed; sheet metal screws are NOT permitted for bonding
18. Pool heaters shall be equipped with a readily accessible on/off switch; gas heaters shall not have continuously burning pilot lights
19. Existing overhead wires shall be a minimum of 10 feet away from the pool wall, and any underground wires shall be 5 feet away from the pool wall; all measurements are made at level line