



FOUNTAIN HILLS POOL REQUIREMENTS

Pool plans shall include

- Site plan, barriers details, layout, engineering, electrical one-line, electrical calculation, panel schedules, heater, pump and drain cut-sheets and method of complying with VGBA.**

Swimming pools definition.

- Any structure intended for swimming, recreational bathing or wading that contains water. This includes any body of water more than 18 inches deep and or more than 8 feet across.

Barrier height and clearances.

- The top of the barrier shall be not less than 60 inches above grade where measured on the side of the barrier that faces away from the pool or spa. Such height shall exist around the entire perimeter of the barrier and for a distance of 3 feet measured horizontally from the outside of the required barrier.
- The vertical clearance between grade and the bottom of the barrier shall not exceed 2 inches for grade surfaces that are not solid, such as grass or gravel, where measured on the side of the barrier that faces away from the pool or spa.
- The vertical clearance between a surface below the barrier to a solid surface, such as concrete, and the bottom of the required barrier shall not exceed 4 inches where measured on the side of the required barrier that faces away from the pool or spa.
- Openings in the barrier shall not allow the passage of a 4-inch-diameter sphere.
- Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions, except for normal construction tolerances and tooled masonry joints.
- Where the barrier is composed of horizontal and vertical members, and the distance between the tops of the horizontal members is less than 54 inches, the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 3/4 inches in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 3/4 inches in width.
- Pedestrian access gates shall open outward away from the pool and shall be self closing and have a self-latching device.
- Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate, the release mechanism and openings shall comply with the following:
The release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate; and the gate and barrier shall have no opening larger than 1/2 inch within 18 inches of the release mechanism.
- Where a wall of a dwelling or structure serves as part of the barrier and where doors, gates or windows provide direct access to the pool or spa through that wall, one of the following shall be required:
Operable windows having a sill height of less than 54 inches above the indoor finished floor, doors and gates shall have an alarm that produces an audible warning when the window, door or their screens are opened. The alarm shall be listed and labeled as a water hazard entrance alarm in accordance with UL 2017.
- A safety cover that is listed and labeled in accordance with ASTM F1346 is installed for the pools and spas.
- An approved means of protection, such as self-closing doors with self-latching devices, is provided. Such means of protection shall provide a degree of protection that is not less than the protection all item listed above.