



## Swimming pools (Residential)

**REFERENCE:** 2018 International Swimming Pool and Spa Code  
2017 City of Marion Electrical Code & National Electrical Code

**PERMIT REQUIREMENTS:** All pools (soft side, above ground, permanent) capable of holding water to 24 inches or more in depth require a building permit. An electrical permit would also be required prior to any electrical installation.

**APPLYING FOR A PERMIT:** Please include the following items when submitting information for a permit application. (See Sample Site Plan)

1. A site plan showing the following.
  - Property pin locations, property lines, and dimensions of lot.
  - Pools shall not be closer than six (6) feet from existing structures and shall not be placed in any easements or required yard setbacks.
  - Proposed pool location with dimensions to other structures on the property and property lines.
  - Location of all overhead and underground utilities, easements alleys, etc.
  - Directional arrows for the flow of surface water drainage.
2. Pool size, depth, and construction.
3. Fence construction and location (see below).
4. Any deck construction plans if being built.
5. Electrical requirements for the pool.

### **BARRIER REQUIREMENTS:**

**All outdoor swimming pools 24 inches or more in depth (including in-ground, above-ground, or on-ground pools) shall be surrounded by a barrier which shall comply with the following:**

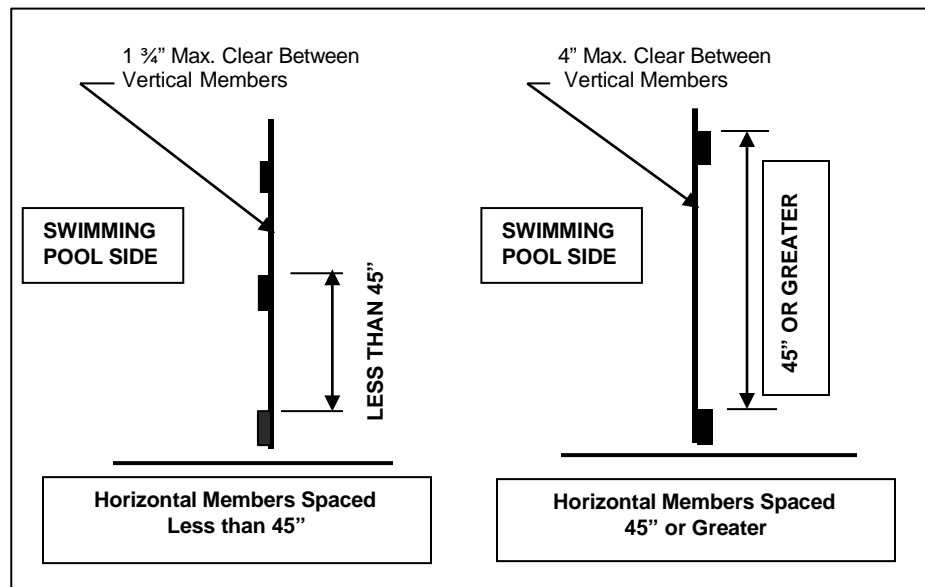
**HEIGHT:** 48 inches above grade measured from the outside face of the barrier.

#### **OPENINGS:**

- 2" maximum between grade and bottom of barrier.
- 4" maximum between top of above-ground pool wall and bottom of barrier when barrier is attached to top of pool wall.
- All other openings shall not allow the passage of a 4" diameter sphere.

### CLIMBABILITY:

- Solid barriers (masonry, stone wall, etc.) must not have any protrusions or indentations except for normal construction joints.
- When the barrier has horizontal members less than 45" apart, they must be located on the inside of the barrier facing the swimming pool. In this case, the space between vertical members must be 1  $\frac{3}{4}$ " or less.
- Decorative cut-outs within a vertical member must not have openings greater than 1  $\frac{3}{4}$ ".
- When the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45" or more, the spacing between vertical members shall not exceed 4".



- Chain link fence maximum mesh size shall be 2  $\frac{1}{4}$ " square unless the fence has slats fastened at the top or bottom which reduce the openings to 1  $\frac{3}{4}$ ".
- Diagonal member barriers (lattice fence) shall have a maximum opening formed by the diagonal members of not more than 1  $\frac{3}{4}$ ".

### ACCESS GATES:

- Must meet height, opening, and climbability requirements for barriers.
- Pedestrian access gates must be self-closing, lockable, self-latching, and must open outward.
- Where the latching mechanism is less than 54" from bottom of the gate, the release mechanism must be located on the pool side of the gate and be at least 3" from the top of the gate. There shall be no openings larger than  $\frac{1}{2}$ " within 18" of the latch.
- Latches located greater than 54" from the bottom of the gate may be located on both sides.

**DOOR ALARMS OR COVER:** (When the dwelling serves as part of the barrier, one of the following conditions shall be met.)

- The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346; **or**
  
- Doors providing direct access to the pool shall be equipped with an alarm which produces an audible warning when the door or screen is opened;
  - Audible alarm shall sound within 7 seconds and sound continuously for 30 seconds.
  - Alarm shall be capable of being heard throughout the house.
  - Alarm shall automatically reset under all conditions.
  - The alarm system shall be equipped with a manual means (touchpad or switch) located at least 54" above the threshold to temporarily deactivate the alarm (15 seconds minimum) for a single opening; **or**
  
- Other means of protection, such as self-closing doors with self-latching devices, can be approved by the Marion inspection department.
  - Where an above-ground pool structure is used as a barrier or the barrier is mounted on top of the pool side, and the means of access is a ladder or steps:
    - Ladder or steps shall be capable of being secured or locked to prevent access; **or**
    - Barrier around steps or ladder shall meet all of above guidelines.

**ELECTRICAL/UTILITY REQUIREMENTS:** The following electrical/utility concerns shall be followed when installing a pool.

1. Pools shall not be placed over any underground wires within five feet measured horizontally or under any overhead electric wires within ten feet measured horizontally from the inside wall of the pool.
2. Permanently Installed Pools, as defined above, shall be provided with at least one 120 volt GFCI protected receptacle a minimum of six feet and not more than 20 feet from the inside wall of the pool.
3. All electrical wiring for the pool use or within 20 feet and accessible from the pool area shall be in compliance with the current City of Marion Electrical Code and the National Electrical Code.
4. Permanently installed pools, as defined above, shall be provided with equipotential bonding as required by NEC Article 680.26

