

BOONE COUNTY BUILDING DEPARTMENT

OWNER ACKNOWLEDGEMENT OF SWIMMING POOL REQUIREMENTS

PERMIT #: _____

ADDRESS: _____

I hereby acknowledge that I have read the attached six (6) pages of code requirements for in-ground swimming pools as required by the 2007 Kentucky Building Code/Kentucky Residential Code.

I understand and agree to comply with all swimming pool regulations, regardless of any contractual obligations between myself and the swimming pool contractor.

OWNERS SIGNATURE

PRINT OWNER NAME

DATE

State of Kentucky
County of Boone

Subscribed and sworn to before me by _____

on this _____ *day of* _____, 20____.

NOTARY PUBLIC – STATE AT LARGE
My commission expires: _____

BOONE COUNTY BUILDING DEPARTMENT

REQUIRED DOCUMENTATION FOR POOL PERMITS

The following documents must be completed and provided at time of application for the installation of a swimming pool.

1. Residential building permit application for residential pools.
Commercial building permit application for commercial (public) pools.
2. Owner Acknowledgement of Swimming Pool Requirements
3. Plot plan approved by the Boone County Planning Commission
4. Current and valid Boone County or City of Florence Business license
(if pool is installed by someone other than owner)
5. Proof of Kentucky Workers Compensation insurance
(if pool is installed by someone other than owner)
6. Name of individual or company performing electric work for the pool.
If owner is installing the electric, a Homeowners Electric Affidavit is required.
7. Cross section of pool showing all water depths, floor and wall slopes, dimension and height of diving board above water line (if applicable).
See attached for detail examples.
8. Please provide detailed plans of the pool circulation system demonstrating compliance with 2007 KBC Section AG106: Entrapment Protection for Swimming and Spa Suction Outlets.
9. Due to the care and maintenance concerns associated with circulation systems including suction outlets and covers, applicant shall submit a written method or drawing of the vacuum relief system designed in accordance with ASME/ANSI A112.19.8.
10. Complete details of pool enclosure. Drawing must include type of fencing, height and details of openings. *See attached for detail examples.*

NOTE: Building permits for in-ground pools are required by the 2007 Kentucky Residential Code.

BOONE COUNTY BUILDING DEPARTMENT

INGROUND POOL CONSTRUCTION AND FENCING REQUIREMENTS

- All pool and spa circulation systems shall be equipped with vacuum relief to protect against entrapment at the suction outlet per ASME A112.19.17, or ASTM PS 010-03, or approved gravity drainage system that does not contain a source of entrapment suction at the outlets.
- In-ground pools shall be enclosed by a fence or wall with a minimum height of 48 inches with a self-closing and self-latching/locking gate
- Opening mechanisms and latches on fence gates shall be installed a minimum of 48 inches above finished grade.
- Pool enclosure must comply with Section 2601.9 of the 2002 Kentucky Residential Code for private pools; and Section 419 of the Kentucky Building Code (for public pools).
- The pool enclosure, whether fences or walls, shall be constructed in such a manner so that a small child can not reach the pool without scaling the pool enclosure or opening a gate or door latch.

PUBLIC SWIMMING POOL SPECIFICATIONS

- Approval is required from the Kentucky Cabinet for Human Resources (Health Department) for all public swimming pools (859-341-4246).
- Approval is required from the Kentucky Division of Plumbing for all public swimming pools (859-573-0397).
- Approval is required from the Kentucky Office of Housing, Buildings and Construction for public pools where the property is under State jurisdiction (502-573-0373).
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REQUIRED ELECTRICAL INSPECTIONS

- An electrical bonding inspection must be performed on all swimming pools.
- In-ground pools must also receive an electrical inspection before it is backfilled.
- Any electrical wiring associated with pool lights or pumps shall be inspected and installed in compliance with Section 680 of the 2005 National Electric Code.

ELECTRIC INSPECTORS for Boone County:

Electric Inspections

859-746-9111

REQUIRED FINAL INSPECTION:

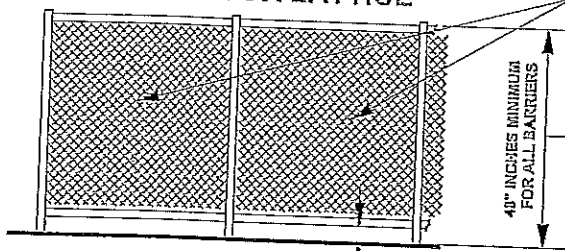
Swimming pools shall not be filled with more than 23" inches of water until the proper fence enclosure with locking device has been installed.

A final inspection is required to be performed by the Boone County Building Inspectors office to ensure the electrical inspection has been completed and that the requirements of either section 2501.9 of the Kentucky Residential Code or section 419.0 of the Kentucky Building Code have been complied with.

Please contact the Boone County Building Department to schedule a final inspection once all of the above requirements have been completed.

PERMITTED TYPES OF POOL ENCLOSURES:

CHAIN LINK OR LATTICE

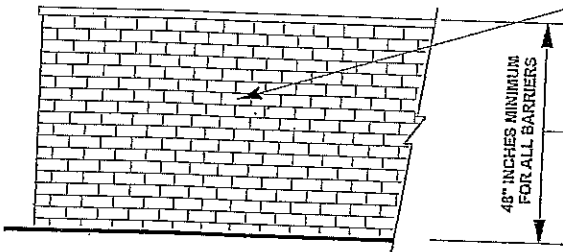


Maximum mesh size for chain link fences shall be a 1.25" inches square unless the fence is provided with slats which are fastened at the top and bottom which allows the openings to be increased to a maximum of 1.75" inches square.

The top of the barrier shall be a minimum of 48" inches above the finished ground level when measured on the exterior side of the barrier, which faces away from the swimming pool.

The maximum vertical clearance between the finished ground level and the barrier shall be 2" inches when measured on the exterior side of the barrier, which faces away from the swimming pool.

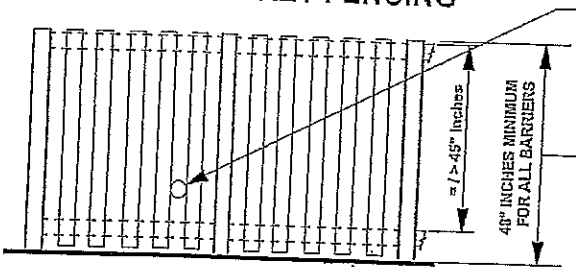
SOLID WALL- BRICK, BLOCK, ETC.



Solid barriers shall not contain indentations or protrusions except those which are normal construction tolerances and typical masonry joints, as to not cause a ladder effect or a ledge to climb on.

The top of the barrier shall be a minimum of 48" inches above the finished ground level when measured on the exterior side of the barrier, which faces away from the swimming pool.

WOODEN PICKET FENCING

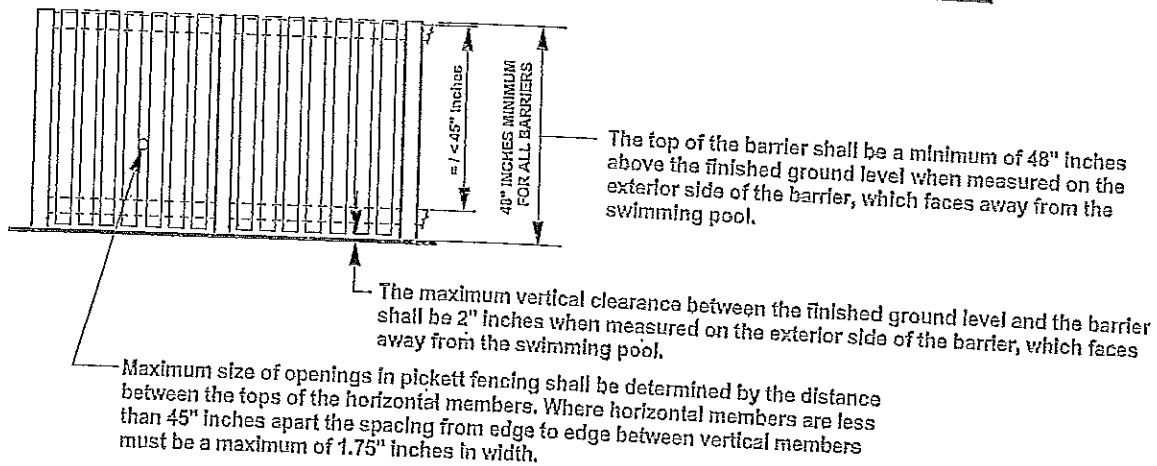


Maximum size of openings in picket fencing shall be determined by the distance between the tops of the horizontal members. Where horizontal members are equal to or greater than 45" inches apart the spacing from edge to edge between vertical members are permitted to be 4" inches maximum. Decorative cutouts shall not exceed 1.75" inches in width.

The top of the barrier shall be a minimum of 48" inches above the finished ground level when measured on the exterior side of the barrier, which faces away from the swimming pool.

The maximum vertical clearance between the finished ground level and the barrier shall be 2" inches when measured on the exterior side of the barrier, which faces away from the swimming pool.

PERMITTED TYPES OF POOL ENCLOSURES CONTINUED:



SWIMMING POOL REGULATIONS

(Based on the 2003 Kentucky Residential Code Supplement)

Section P2601.1 General

Swimming and bathing pools shall conform to the requirements of this section, provided these regulations shall not be applicable to any such pool is less than 24 inches deep and has a surface area greater than 250 square feet, unless such pools are permanently equipped with a water-recirculating system or involve structural materials. For the purpose of this code, pools are classified as private swimming pools or public swimming pools, as defined in section 419.2 of the 2002 Kentucky Building Code. Materials and construction used in swimming pools shall comply with the applicable requirements of this code.

Section P2601.9 Enclosure for public and private swimming pools

Public and private swimming pools shall be provided with an enclosure surrounding the pool area. The enclosure shall meet the provisions of sections P2601.9.1 through P2601.9.3.

Section P2601.9.1 Enclosure

The enclosure shall extend not less than 4 feet above the ground. All gates shall be self-closing and self-latching with the latches installed at least 4 feet above the ground.

Exception The following shall be exempt from the provisions of this section.

- A spa or hot tub with an approved safety cover.
- Fixtures that are drained after each use.

SELF-CLOSING / SELF-LATCHING GATE

All gates shall be self-closing whether the closing device is spring loaded hinges, a hydraulic piston or a simple spring attached to the gate must automatically close the gate when opened with a force strong enough to cause it to latch.

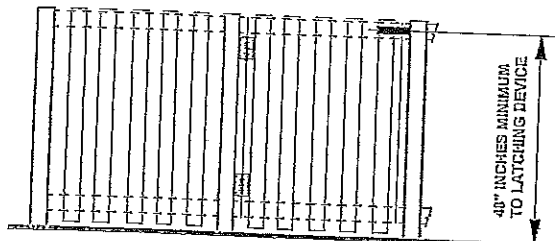


FIGURE 1

All gates shall be self-latching when closed and must be located at least 48" inches above the finished grade.

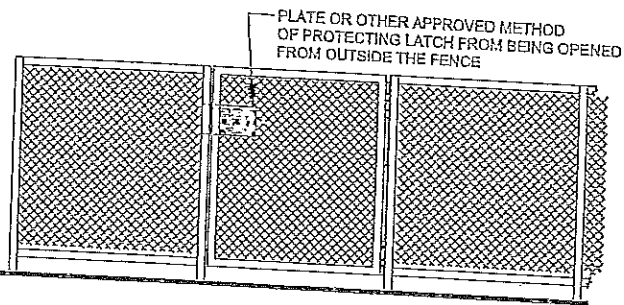


FIGURE 2

P 2601.9.2 Approved Barriers.

Barriers and enclosures shall be designed so as to prevent uninvited persons from intruding into the pool area. Enclosures shall be designed to withstand a horizontal concentrated force load of 200 pounds applied on a 1-square-foot area at any point of the fence enclosure. Compliance with the following criteria shall constitute a safe barrier:

Section P2601.10 Diving Boards

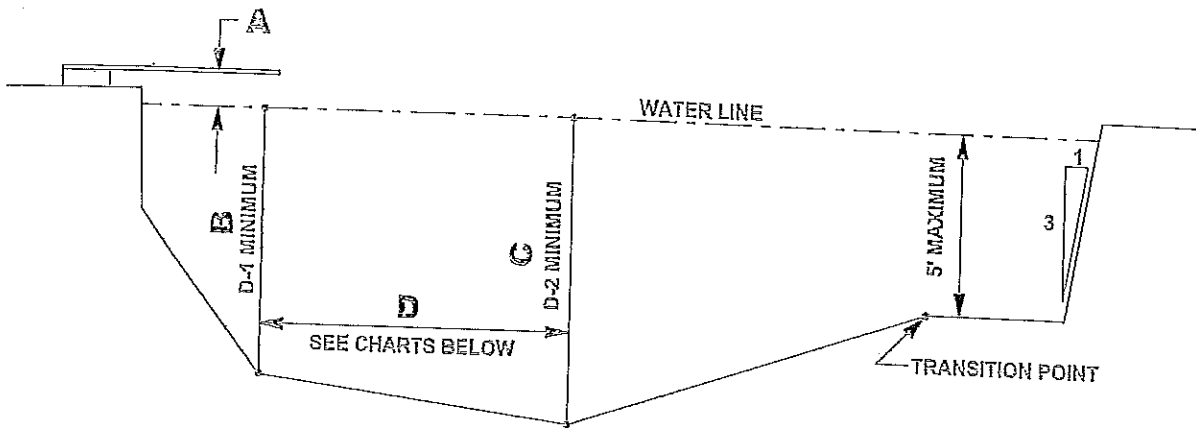
Minimum water depths and distances for diving boards for pools, based on board height above water, shall comply with Figure 419.10 and Table 419.10(1) for public swimming pools and Table 419.10(2) for private swimming pools. 2002 Kentucky Building Code

The maximum slope permitted between point D-2 and the transition point shall not exceed one unit vertical to three units horizontal (1:3) in private and public pools. D-1 is the point directly under the end of the diving board, D-2 is the point at which the floor begins to slope upwards to the transition point see (Figure 419.10).

All information on the next page must be included with your plans if your pool will have a diving board

Figure 419.10 2002 KBC

**Minimum water depths and distances based on board height for public and private swimming pools
(See next Page)**



**TABLE 419.10 (1)
MINIMUM WATER DEPTHS AND DISTANCES BASED
ON BOARD HEIGHT FOR PUBLIC POOLS**

A Board Height above Water	B Min. Depth at D-1 directly under end of diving board	C Min. Depth at D-2 (deepest point of pool)	D Min. Distance between D-1 and D-2
2'-2"	7'-0"	8'-6"	8'-0"
2'-6"	7'-6"	9'-0"	9'-6"
3'-4"	8'-6"	10'-0"	10'-0"
10'-0"	11'-0"	12'-0"	10'-0"

**TABLE 419.10 (2)
MINIMUM WATER DEPTHS AND DISTANCES BASED
ON BOARD HEIGHT FOR PRIVATE POOLS**

A Board Height above Water	B Min. Depth at D-1 directly under end of diving board	C Min. Depth at D-2 (deepest point of pool)	D Min. Distance between D-1 and D-2
1'-8"	6'-0"	7'-6"	7'-0"
2'-2"	6'-10"	8'-0"	7'-6"
2'-6"	7'-5"	8'-0"	8'-0"
3'-4"	8'-6"	9'-0"	9'-0"

How to use the diving board/pool depth chart:

- 1.) What is the designed height for your diving board (measured from the top of water)?
- 2.) Look at section A and locate your board height.
- 3.) Once you have found the board height, follow that row to section B to see how deep your pool must be directly under the diving board.
- 4.) Next, follow that same line to section C to locate the deepest point of the pool (the point where the pool begins to slope upwards).
- 5.) Finally, go to column D to figure out the minimum distance between the point directly under the diving board (D-1) and the deepest point of pool (D-2).

I understand and agree to comply with the above swimming pool regulations.