

Boone County Building Department

Acknowledgment of Residential swimming pool/hot tub requirements

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

1. Acknowledgement of Swimming Pool Requirements.
2. Plot Plan approved by the Boone County Planning Commission (please contact 859-334-2196)
3. Copy of the contractors valid Boone County Occupational License. (please contact 859-334-2144)
4. A Kentucky Licensed Electrician that is current with our office will need to be provided before the permit can be issued. If the owner is doing their own electric, please state that in Step 2 under electrician.
5. Complete details of pool enclosure Drawing must include type of fencing, height and details of openings, enclosure must comply with 2018 Kentucky Residential Code section R326.8. (code section provided at the end of this document)
6. Specifications for Door Alarm and or Pool Cover if Applicable where a wall of a dwelling serves as part of the pool barrier, one the following conditions shall be met: The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346 or doors with direct access to the pool through the wall enclosing the pool shall be equipped with an alarm that produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed and labeled in accordance with UL 2017 section 77. The deactivation switch for such alarm shall be located at least 54 inches above the threshold of the door. (code section provided at the end of this document)

7. Pool layout and cross section of pool showing all water depths, floor slopes, stair details and ladder details, diving board locations and other information necessary to demonstrate compliance with the requirements of ANSI/NSPI-5 2003 American National Standard for Residential Inground Pools.
8. Detailed plans of the pool circulation system demonstrating compliance with ANSI/NSPI-5 2003 American National Standard for Residential Inground Pools and ANSI/APSP-7 2006 American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins.
9. Diving board specifications if applicable. (please state on plans if no diving board will be installed)
10. Outlet cover specifications showing compliance with ANSI/ASME A112.19.8.
11. Safety Vacuum Release Systems (SVRS) specifications (If Applicable) showing it has been tested to ANSI/ASME A112.19.17 or ASTM F 2387-04

GENERAL REQUIREMENTS FOR RESIDENTIAL INGROUND POOLS

This document will become part of the application for permit. The requirements on this document will take precedence over any discrepancies within the documents. All items shall be checked, and the signature of the Pool Contractor and Owner on page 1 indicates agreement with all the stated requirements.

The following items are supplemental construction notes provided by the Boone County Building Department.

o The manufacturer's specifications and installation instructions for the type of inground pool being installed shall accompany the submittal of the building permit application. All pools shall be installed in strict accordance with the manufacturer's specifications and installation instructions as adjusted for field conditions.

o The re-grading of a site for the installation of the inground pool shall be accomplished in a manner to maintain the established finish elevations of the adjoining properties and preserve the existing drainage patterns so that stormwater is not redirected onto adjoining properties in new locations.

o Retaining walls identified in 2018 Kentucky Building Code section R404.0 that are constructed in conjunction with a pool installation are required to be installed under separate permit. Find section R404.4 below:

o R404.4 Retaining walls that are not laterally supported at the top and that retain in excess of 48 inches (1219 mm) of unbalanced fill, or retaining walls exceeding 24 inches (610 mm) in height that resist lateral loads in addition to soil, shall be designed in accordance with accepted engineering practice to ensure stability against overturning, sliding, excessive foundation pressure and water uplift. Retaining walls shall be designed for a safety factor of 1.5 against lateral sliding and overturning. This section shall not apply to foundation walls supporting buildings. Note: Guardrails are required at retaining walls with an elevation drop of 30 inches or greater and a walking surface within 24 inches of the top side of the wall. A separate retaining wall permit may need to be obtained and approved through Planning and Zoning.

o 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 F 2387-04, or other arrangement allowed by ANSI/APSP-7 2006

American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins.

o Pools must be surrounded by a barrier complying with 2018 Kentucky Residential Code section R326.8. Note: Find applicable code section attached.

o Electrical work may not commence until an electrical permit is obtained from the County' third party electrical inspection agency, Electrical Inspection Incorporated.

Code sections

R326.8 Barrier Requirements

Amendment

The provisions of this section shall control the design of barriers for residential swimming pools. These design controls are intended to provide protection against potential drownings and near - drownings by restricting access to swimming pools.

R326.8.1 Outdoor Swimming Pool Amendment

An outdoor in-ground swimming pool shall be surrounded by a barrier, which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier, which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 4 inches (102 mm) measured on the side of the barrier, which faces away from the swimming pool.
2. Openings in the barrier shall not allow the passage of a 4-inch diameter (102 mm) sphere.
3. 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.

4. Where the barrier is composed of horizontal and vertical members, and the distance between the tops of the horizontal members is less than 24 inches (610 mm), 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 (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 3/4 inches (44 mm) in width.

Exception: When intermediate horizontal members are located 34 inches (864 mm) or more above grade, the spacing between vertical members shall not exceed 4 inches (102 mm) in width.

5. Where the barrier is composed of horizontal and vertical members, and the distance between the tops of the horizontal members is 24 inches (610 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 3/4 inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a 2 1/4-inch (57 mm) square, unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1 3/4 inches (44 mm).

7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1 3/4 inches (44 mm).

8. Access gates shall comply with the requirements of items 1 through 7, and

shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the swimming pool, and shall be self-closing and have a self-latching device. Gates, other than pedestrian access gates, shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 48 inches (1219 mm) above grade from the bottom of the gate, the release mechanism and openings shall comply with the following:

1. The release mechanism shall be located on the swimming pool side of the gate at least 3 inches (76 mm) below the top of the gate; and
2. The gate and barrier shall have no opening larger than 1/2 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.

9. Where a wall of a dwelling serves as part of the barrier, one of the following conditions shall be met:

1. The swimming pool shall be equipped with a powered safety cover in compliance with ASTM F 1346;
2. Doors with direct access to the swimming pool through that wall shall be equipped with an alarm that produces an audible warning when the door and its screen, if present, are opened. The alarm shall be listed and labeled in accordance with UL 2017. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
3. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the authority having jurisdiction, shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described herein.

REQUIRED INSPECTIONS

1. ELECTRIC BONDING INSPECTION must be performed by Electric Inspection Incorporated.
2. An ELECTRIC BACKFILL INSPECTION must be performed by Electric Inspection Incorporated.
3. Any ELECTRICAL WIRING associated with pool lights or pumps shall be inspected by Electric Inspection Incorporated.
4. FINAL ELECTRIC INSPECTION shall be performed by Electric Inspection Incorporated at the completion of work and prior to final inspection by the Building Department.
5. Electrical installations must be made in accordance with 2017 National Electrical Code. Electrical Inspection may be scheduled at 859-746-9111.
6. FINAL INSPECTION performed by the Building Department is required before using the pool. (859-334-2218)

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)

ADDRESS:

I hereby acknowledge that I have read the attached information outlining code requirements for in-ground swimming pools and agree to comply with all swimming pool regulations as set out in the 2018 Kentucky Residential Code and its applicable referenced standards, regardless of any contractual obligations between the parties.

OWNERS SIGNATURE

CONTRACTOR SIGNATURE

PRINT OWNER NAME PRINT

CONTRACTOR NAME

DATE

DATE

BIRTH MONTH & YEAR

ESTIMATED DATE OF COMPLETION

OWNER'S EMAIL

OWNER'S PHONE NUMBER
