RESIDENTIAL POOLS

The following is a list of requirements to be submitted for a residential pool:

- ☐ A completely filled out zoning/building permit application
- ☐ Three copies of your site plan, indicating:
  - Location of all existing and proposed easements
  - Identification of any street adjacent to the property
  - Proposed or existing septic tank, leach field or other septic system shall be shown to scale
  - Property lines with bearing and dimensions
  - Location of existing and proposed building(s) and used along with the distance from the existing and proposed building to the front and/or right of way lines, side and rear lines
  - Location of driveway, sidewalks, and other off street parking areas as well as type of surfacing used
  - Provisions for erosion control, hillside slippage and sedimentation, indicating the temporary and permanent control practices and measures which will be implemented during all phases of clearing, grading and construction
  - Water drainage and grading lines
  - The existing and proposed topography, shown by contours with intervals not to exceed five feet. The Northern Kentucky Areas Planning Commission can produce a topography map for you. The applicant must then place (draw) the proposed structure on the topography map
- ☐ Three sets of the cross section view for in-ground pool indicating:
  - All water depths
  - Floor and wall slopes
  - Dimension and height of diving board above the water line (if applicable)
  - Antisiphon device information
  - See attached drawing for example of required information
  - No construction drawings are required for above ground pools
- ☐ Fence/pool enclosure must be applied for at the same time as the pool for (in-ground pools)
  - A detailed pool enclosure drawing showing the type, height and opening must be submitted at the time of permit application submission
  - See attached drawing for example of required information
- ☐ Required information for contractor
  - An affidavit, pursuant to KRS 342.610 (5), either Individual or Corporate/Partnership, or proof of Kentucky's Workers' Compensation Insurance
  - Federal Tax Identification Number
  - Occupational license number for the city / county work is being performed

NKAPC
Northern Kentucky
Area Planning Commission
2332 Royal Drive
Ft. Mitchell, KY 41017

Standard Drawings and Applications For Residential Swimming Pools

From the Kentucky Residential Code
As enforced by the Northern Kentucky Area Planning Commission

PLANS WILL NOT BE APPROVED WITHOUT DETAILED INFORMATION PERTAINING TO SWIMMING POOL ENTRAPMENT PROTECTION INCLUDING: DRAIN COVERS AND ATMOSPHERIC VACUUM RELEASE SYSTEM

Inground Swimming Pool Regulations

Per 2007 Kentucky Residential Code Supplement

AG101.1 The provisions of this appendix shall control the design and construction of swimming pools installed in or on the lot of a one-or two family dwelling.

AG102.1 General. For the purpose of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2

BARRIER. A fence,wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

IN-GROUND POOL. See "Swimming Pool".

RESIDENTIAL. That which is situated on the premises of a detached one- or two-family dwelling or a one-family town house not more than there stories in height.

SWIMMING POOL. Any in-ground structure intended for swimming or recreational bathing that contains water over 24 inches (610mm) deep.

Swimming Pool Indoor. A swimming pool which is totally contained within a structure and surrounded on all four sides by the walls of the enclosing structure.

Swimming Pool Outdoor. Any swimming pool

AG103.1 In-ground pools. In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5 as listed in Section AG108.

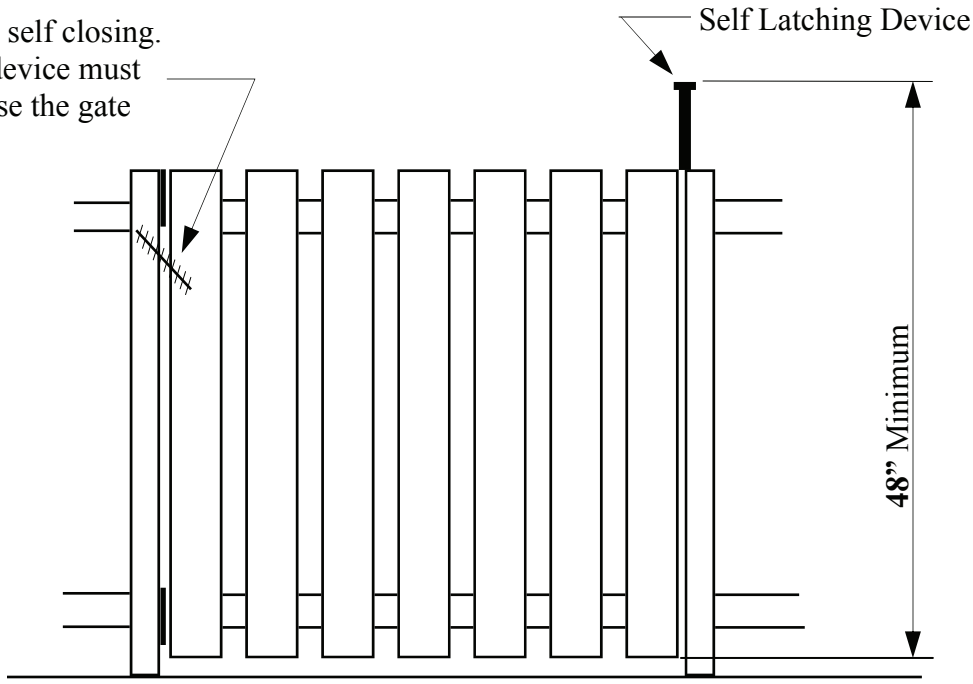
Self Closing/Self Latching Access Gate

Swimming pool access gates shall meet the requirements for swimming pool barriers.

All gates shall be self latching
The latching device must be located at least **48"**above the bottom of the access gate.
Where the release mechanism of the self-latching device is located les than 48 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
- The gate and barrier shall have no opening larger than 1/2" within 18 inches of the release mechanism.

All gates shall be self closing.
The self closing device must automatically close the gate when opened.



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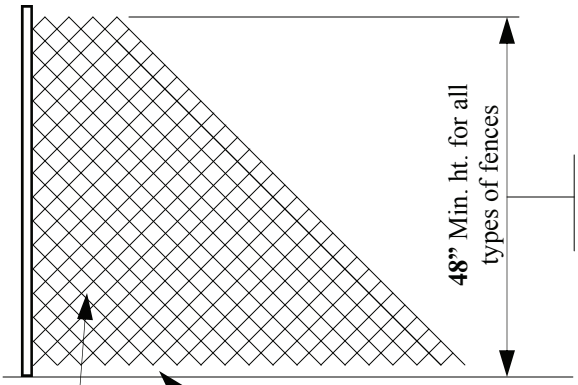
AG105.1 The provisions of this chapter shall control the design of barriers for residential swimming pools, spas and hot tubs. These design controls are intended to provide protection against potential drownings and near drownings by restricting access to swimming pools, spas and hot tubs.

Pool Enclosure

Chain link fence or lattice



The top of the barrier shall be at least **48** inches above the finished ground level when measured on the 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 measured on the side of the barrier, which faces away from the swimming pool.

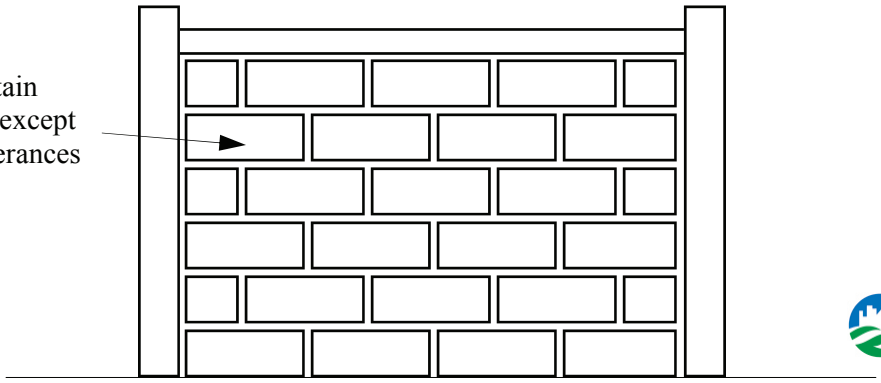
Maximum mesh size for chain link fences shall be a 2 ¼ inch square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not less than 1 ¾ inches.

Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall be not more than 1 ¾ inches.

Pool Enclosure

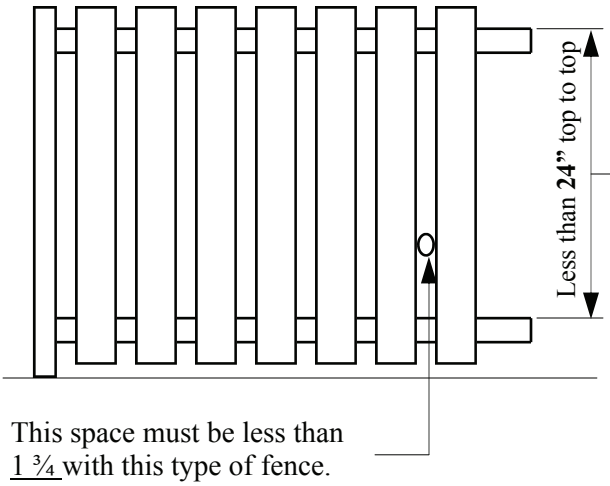
Solid Fence

Solid barriers shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.



Pool Barrier Requirements

Fence with horizontal members less than **24''** apart



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, the horizontal members shall be located on the swimming pool side of the barrier.

Spacing between vertical members shall not exceed 1-3/4" in width.

Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1-3/4" in width.

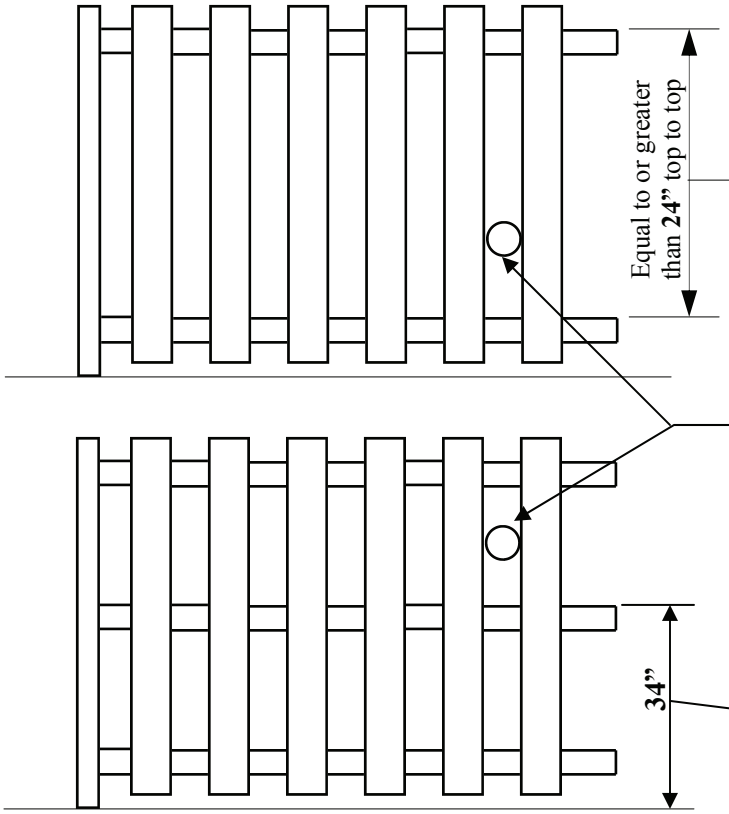
Exception: When intermediate horizontal members are located 34 inches or more above grade, the spacing between vertical member shall not exceed 4 inches in width. (effective 4/02/10)

The maximum allowable spacing between vertical members of the pool enclosure (fence) is determined by the distance between the tops of the horizontal members of the pool enclosure (fence).

See examples above and below to determine which pool enclosure you wish to use.

Pool Enclosure

Fence with horizontal members equal to or greater than **24''** apart



Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is more than **24** inches, spacing between vertical members shall not exceed **4** inches.

Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1-3/4" in width.

Exception: When intermediate horizontal members are located 34 inches or more above grade, the spacing between vertical members shall not exceed 4 inches in width. (effective 4/02/10)

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SECTION AG 106
ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS

AG 106.1 General. Suction outlets shall be designed to produce circulation throughout the pool or spa. Single-outlet-systems, such as automatic vacuum cleaner systems, or multiple suction outlets, whether isolated by valves or otherwise, shall be protected against user entrapment.

AG 106.2 Suction fittings. Pull and spa suction outlets shall have a cover that conforms to ANSI/ASME A 112.19.8M, or an 18 inch x 23 inch (457 mm by 584 mm) drain grate or larger, or an approved channel drain system.

Exception: Surface skimmers

AG 106.3 Atmospheric vacuum relief system required. Pool and spa single or multiple outlet circulation systems shall be equipped with atmospheric vacuum relief should grate covers located therein become missing or broken. This vacuum relief system shall include at least one approved or engineered method of the type specified herein, as follows:

1. Safety vacuum release system conforming to ASME A112.19.17; or
2. An approved gravity drainage system (**A system that does not have a recirculating pump**).

If your pool will be equipped with a recirculating pump a safety vacuum release system is required.

AG 106.4 Dual drain separation. Single or multiple pump circulation systems have a minimum of two suction outlets of the approved type. A minimum horizontal or vertical distance of 3 feet shall separate the outlets. These suction outlets shall be piped so that water is drawn through them simultaneously through a vacuum relief protected line to the pump or pumps.

AG 106.5 Pool cleaner fittings. Where provided, vacuum or pressure cleaner fitting(s) shall be located in an accessible position(s) at least 6 inches and not more than 12 inches below the minimum operational water level or as an attachment to the skimmer(s).