

POOL PERMIT INFORMATION

In this package you will find the requirements for obtaining a pool permit under the current CT State Building Code.

RESIDENTIAL SWIMMING POOL (Residential Pool)

A pool intended for use that is accessory to a *residential* setting and available to the household and its guests. Other pools shall be considered to be public pools for purposes of this code.

The basic elements of the permit application process are;

- Building Permit Application (Available Online)
- License number and insurance certificate of installer or Homeowners Affidavit if the application is submitted by the homeowner (Available Online)
- Details of pool, In-ground, Above ground, Temporary, Hot tub/spa, etc.
- Details of pool ladder enclosure or fencing for purposes of ensuring “Barrier Compliance”.
- Barrier Affidavit (Available Online)
- Site plan of property showing location of pool, (proximity to property lines, septic systems, wells, underground utilities, etc.)
- Wetlands Agent review and approval of Building Pool Application.
- Pool decks installed at the time of the pool installation or at a later date to provide Access to the pool will require a building permit with structural drawings and details of the Barrier Compliance accessories.
- In ground pools will require engineered drawings typically provided by the vendor of the pool.
- Public Pool Applications will require a review by the Dept. of Public Health in accordance with Connecticut General Statutes 19a-36.

In the packets you will find copies of the pool regulations taken from the Building Code for your reference. While these regulations may not cover every particular situation your Town of Windsor Inspector will be available to answer questions during the permit application review, pool installation and inspection portions of the project.

Town of Windsor Guidance - Swimming Pool Wastewater Discharges

PURPOSE

This guidance was developed for Windsor businesses and residents owning both public and private swimming pools to ensure that swimming pool wastewaters (including outdoor hot tubs) are discharged in accordance with local, State and Federal laws. Should you have any question on this guidance material please call (860) 285-1862.

GUIDANCE

The Connecticut Department of Energy and Environmental Protection (CT DEEP) has issued a General Permit for the Discharge of Swimming Pool Wastewater. This General Permit regulates swimming pool wastewaters from both public and private residential pools. Any person who wishes to initiate, create, originate or maintain a discharge of swimming pool wastewater generated by a public pool must file a registration with the CT DEEP. Additionally, any person in the business of cleaning, draining or maintaining multiple public or private residential pools shall file a Contractor Registration Form with the CT DEEP and shall be licensed by the Department of Consumer Protection.

Questions regarding the CT DEEP General Permit should contact (860) 424-3018.

Any person initiating, creating, originating or maintaining a swimming pool wastewater discharge from a *private residential pool* need not submit a registration to the CT DEP, but must comply with the following treatment and control requirements.

Furthermore, the Town of Windsor has adopted an Ordinance on Illicit Discharges and Connections (Chapter 3, Article X). The discharge of swimming pool wastewaters NOT in full compliance with both State and Federal laws would constitute an “illicit discharge” under the Town’s Ordinance and may be subject to fines and other remedies.

There shall be NO discharge of swimming pool acid cleaning, pressure wash or swimming pool filtration backwash wastewaters to any surface water or wetland.

Swimming pool draining wastewaters may be discharged from a public or private residential pool to a surface water provided the following conditions are met:

1. The pH of the discharge shall be between 6.5 and 8.0 standard units.
2. Total residual chlorine or bromine shall be non-detectable as determined by a test kit commonly used in the pool industry (less than 0.1 mg/L).
3. The discharge shall not cause foaming or discoloration of the receiving waters.
4. No algae or sanitation control treatment chemicals, other than those that are bromine or chlorine based, are used. Chemicals to adjust the pH may also be used.
5. The discharge shall not cause the scouring of stream, river or estuarine bottoms or wetlands.
6. The discharge shall be located at least 25’ feet from any water supply well, subsurface sewage disposal system or surface water body.

It should be noted that swimming pool wastewaters may also be permitted discharges to the POTW, ground surface, or dedicated subsurface disposal system provided that the discharges are in full compliance with the CT DEEP General Permit. Please see the General Permit for specific details.

See Engineering Department’s website at: www.townofwindsorct.com for more information.

Pool Barriers

Barriers are not childproof, but they provide layers of protection for a child when there is a lapse in adult supervision. Barriers give parents additional time to find a child before the unexpected can occur.

Barriers include a fence or wall, door alarms for the house, and a power safety cover over the pool. Use the following recommendations as a guide.

The state of Connecticut has adopted the pool barrier requirements of the 2021 International Pool and Spa Code.

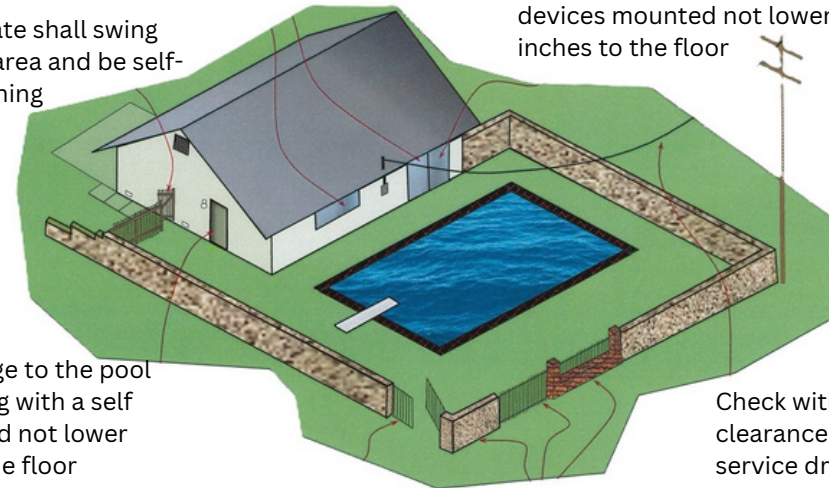
Operable windows having a sill height of less than 48 inches above the indoor finished floor shall have an alarm that produces an audible warning when the window or screens are opened. The alarm shall be listed and labeled as a water hazard entrance alarm in accordance with UL 2017

Doors providing direct access from the home to the pool area shall be equipped with exit alarms

-OR-

with self-closing and self-latching devices mounted not lower than 54 inches to the floor

Pedestrian access gate shall swing away from the pool area and be self-closing and self-latching



The door from the garage to the pool area shall be self-closing with a self-latching device mounted not lower than 54 inches above the floor

Check with Public Utilities for clearance information for service drops

Double gates shall have not fewer than one leaf secured in place and the other leaf shall have a self-latching device and shall be equipped with a padlock and shall remain locked at all times when not in use.

4' 0" minimum fence height (as measured from the side OPPOSITE the pool) ALL pool fences barriers must be non-climbable

Windsor Building Department

275 Broad St.
Windsor, CT 06095
860-285-1960

Hours of Operation

Monday-Friday
8 am - 5 pm

It is the responsibility of the permit holder of the permit holder's representative to notify the city when the stages of construction are reached that require an inspection. All inspections need to be requested 48 hours prior by calling the Building Department at 860-285-1960, 8 am - 5 pm, Monday- Friday.

The information contained within this bulletin is the most common needed to obtain a permit and is not representative of all the conditions that may be encountered during the construction of your project.

Barrier Requirements

- 1. Barrier height and clearances:** The top of the barrier shall be at least 48 inches 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 2 inches measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure, and the bottom of the barrier shall be 4 inches. **(See Figures 2 and 4)**
- 2. Openings:** Openings in the barrier shall not allow passage of a 4-inch-diameter sphere. **(See Figure 2)**
- 3. Solid Barrier Surfaces:** Solid barriers which do not have openings shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints. **(See Figure 3)**
- 4. Closely spaced horizontal members:** Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is **less than 45 inches**, the horizontal members shall be located on the swimming pools side of the fence. Spacing between vertical members shall not exceed 1 3/4 inches in width **(See Figures 2, 4, & 6)**. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 3/4 inches in width **(See Figures 5 & 6)**.

*A successful pool barrier prevents a child from getting **OVER, UNDER or THROUGH** and keeps the child from gaining access to the pool except when supervising adults are present.*

Latch may be located on the inside or outside of the gate if it is 54" minimum above finished grade

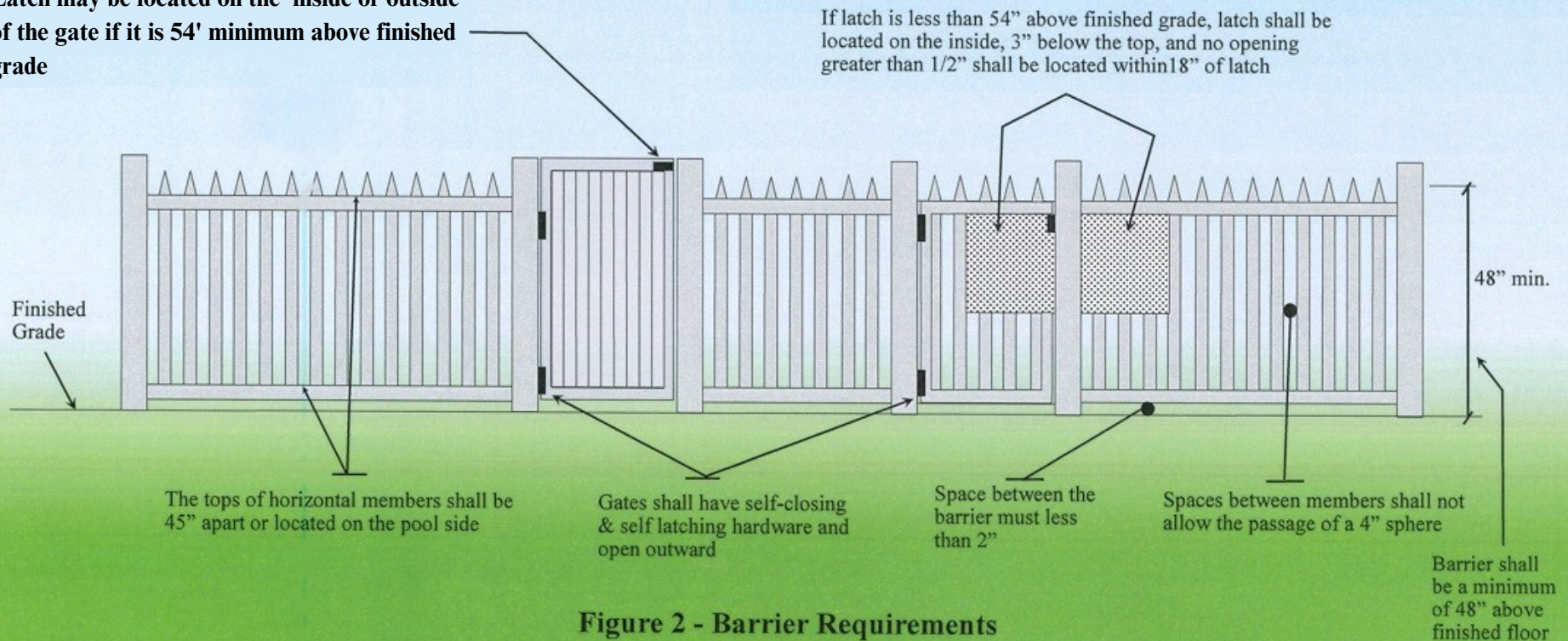
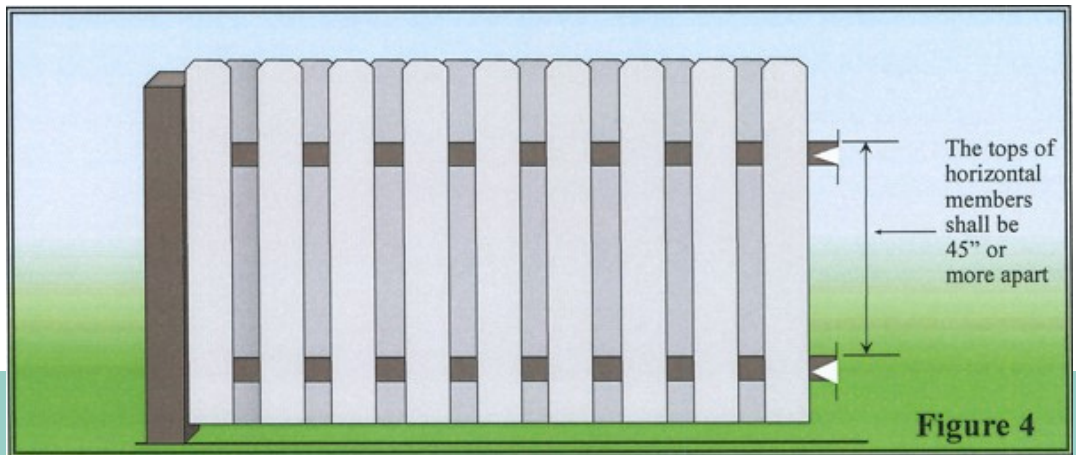
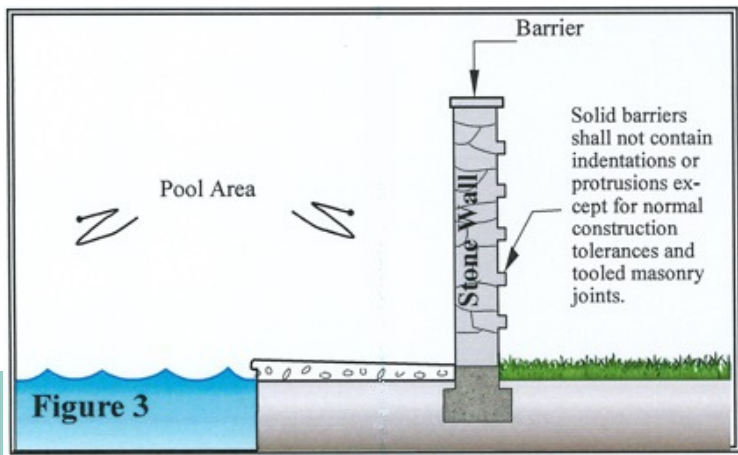
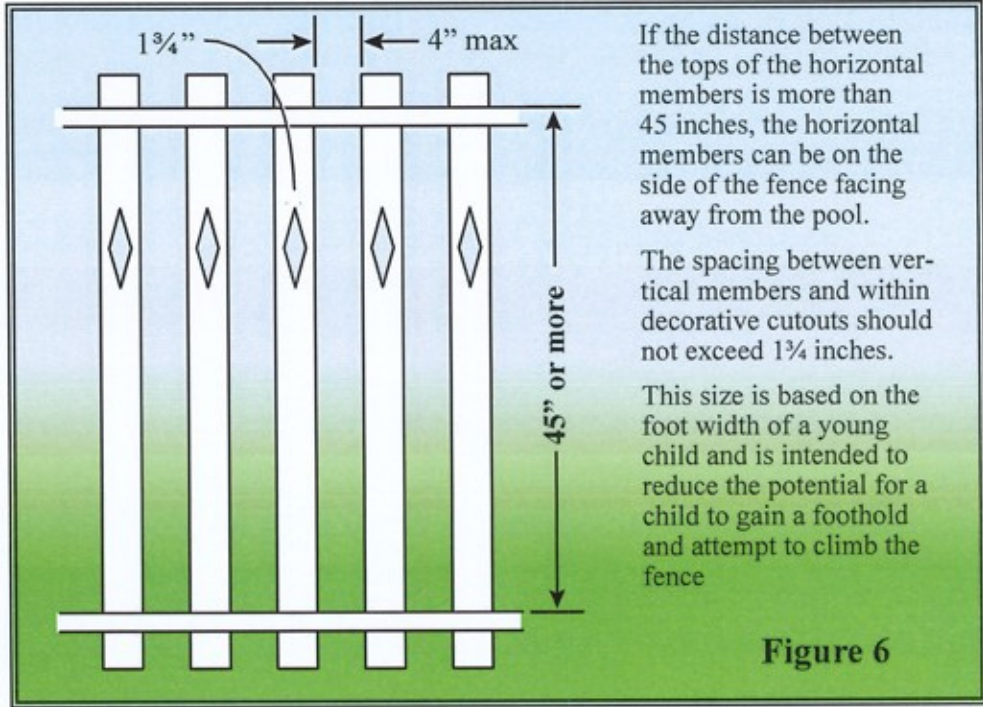
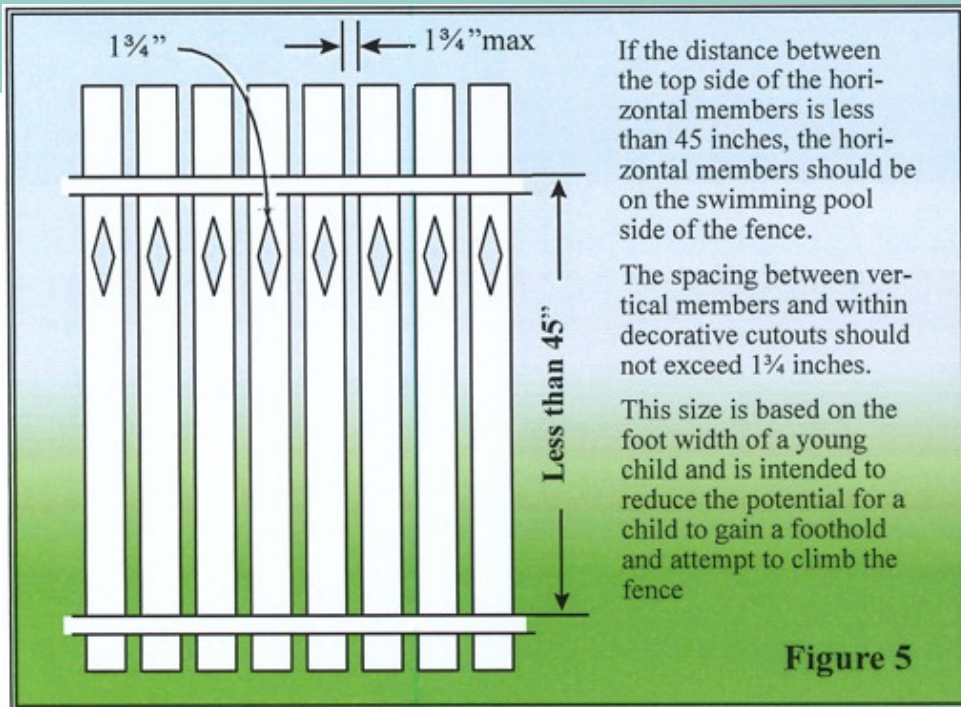


Figure 2 - Barrier Requirements



Widely Spaced Horizontal Members

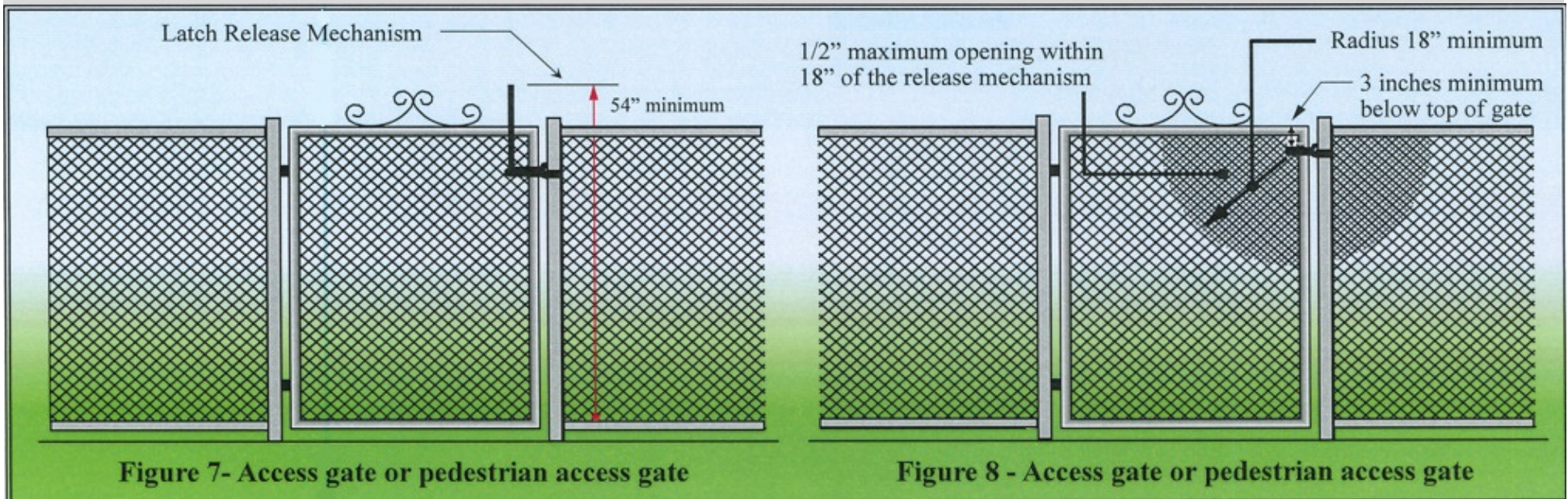
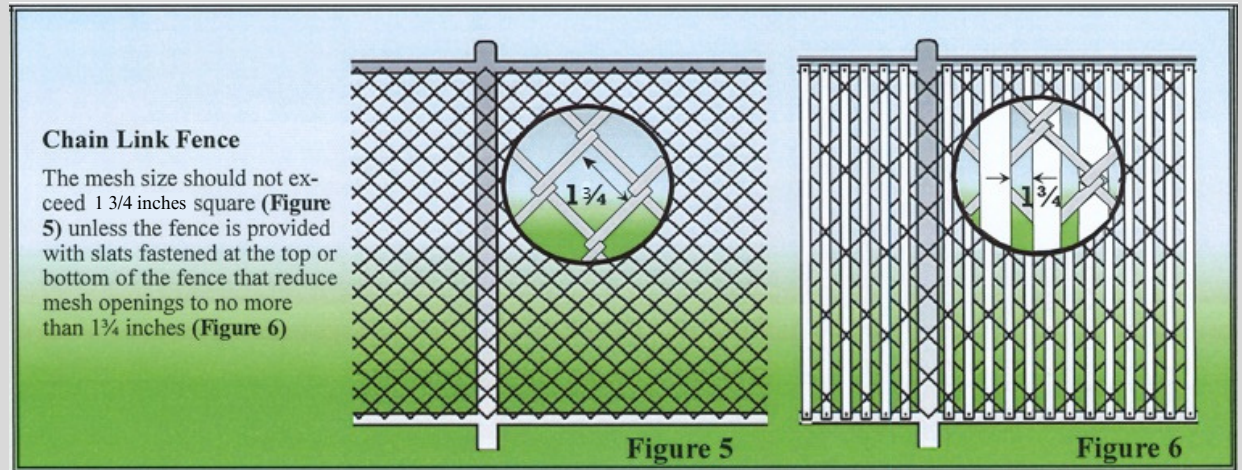
Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches or more, spacing between vertical members shall be not greater than 4 inches (**See Figures 2, 4, and 6**). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 3/4 inches in width. (**See Figures 5 and 6**)



Access Gates

An outdoor private swimming pool, including an in-ground, above-ground, or on-ground pool, hot tub, or spa shall be provided with a barrier which shall comply with the following:

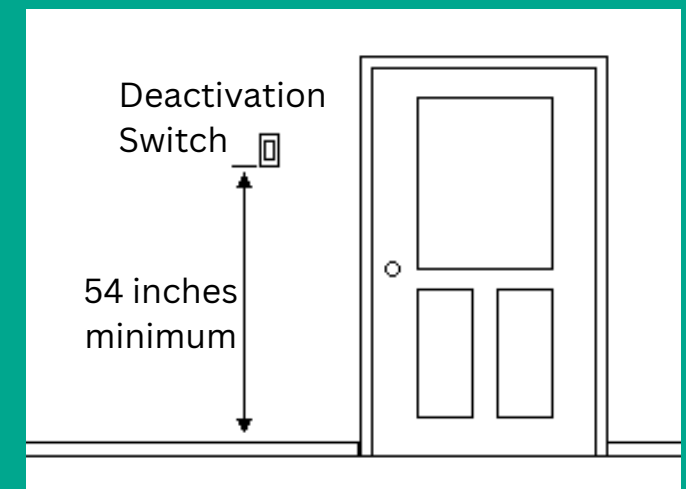
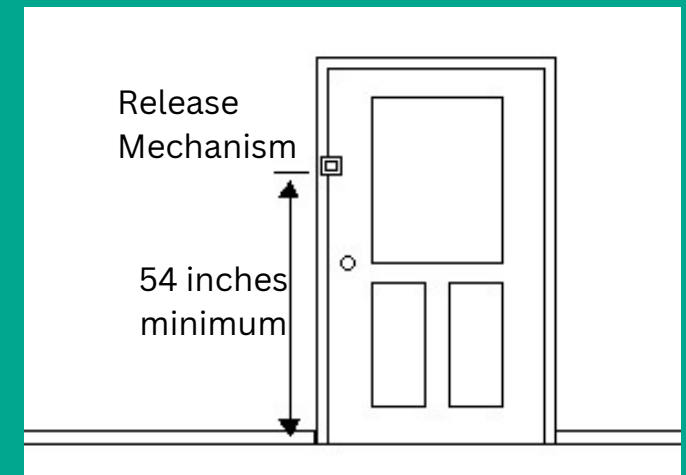
- Access gates shall comply with the requirements for a barrier and will be equipped to accommodate a locking device. Pedestrian access gates shall open outwards away from the pool and shall be both **self-closing** and **self-latching**. (See Figures 2, 7, & 9)
- Gates other than pedestrian access gates (vehicle entrances, etc.) shall have a **self-latching** device. (See Figure 10)
- Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate:
 - (a) the release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate; and
 - (b) the gate and barrier shall not have an opening greater than 1/2 inch within 18 inches of the release mechanism. (See Figures 8 & 2)

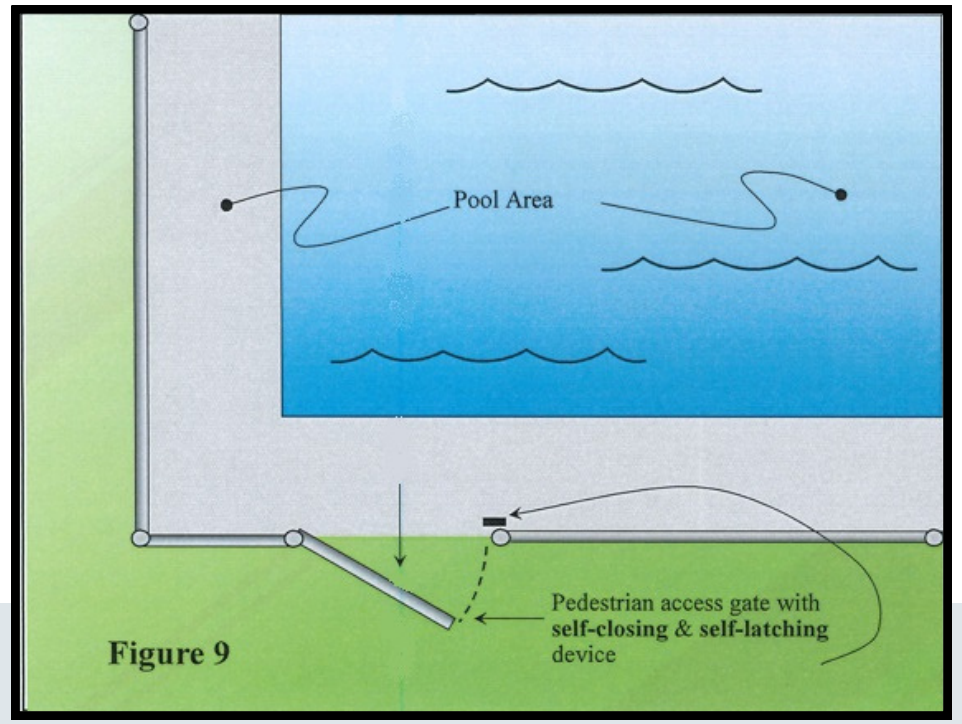
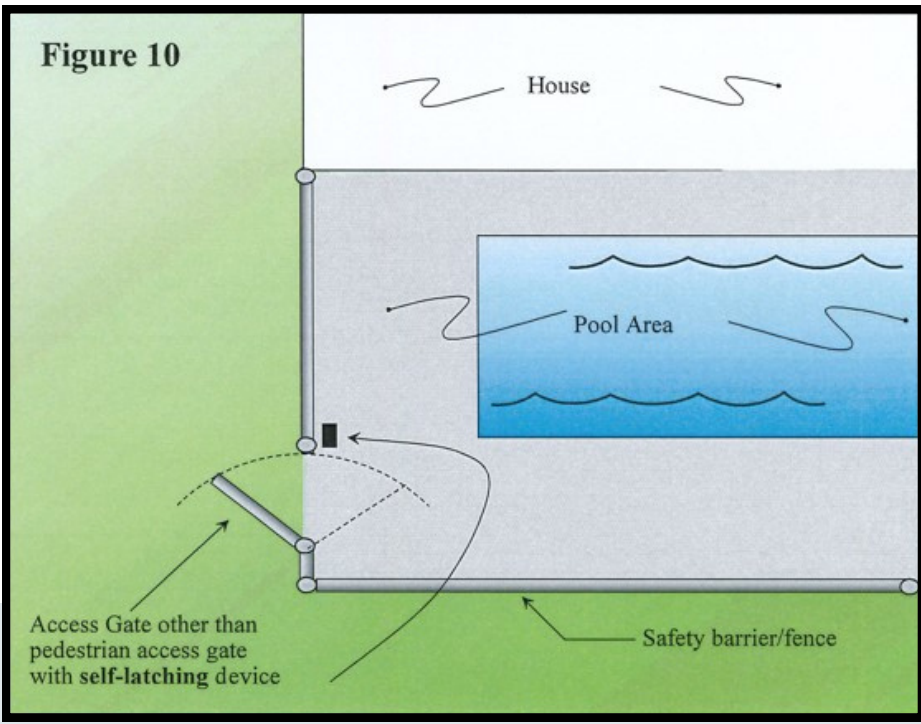


When a Dwelling Unit Serves as Part of the Pool Barrier

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:

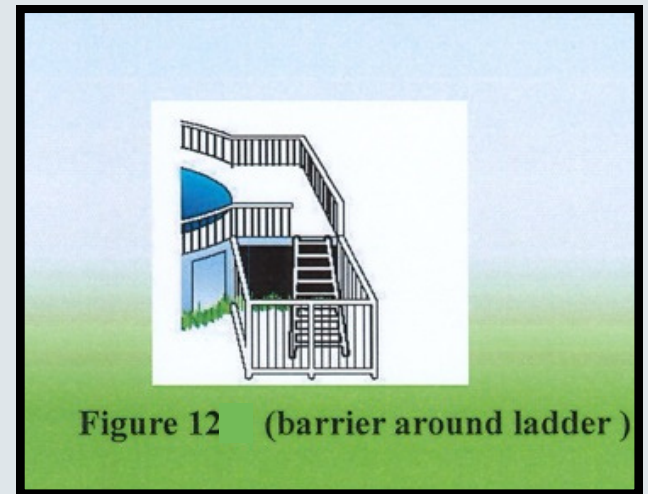
1. Operable windows having a sill height of less than 48 inches (1219 mm) above the indoor finished floor, doors and gates shall have an alarm that produces an audible warning when the window, door or their screens are opened. The alarm shall be *listed* and labeled as a water hazard entrance alarm in accordance with UL 2017.
2. In dwellings not required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located at not less than 54 inches (1372 mm) above the finished floor.
3. In dwellings that are required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located not greater than 54 inches (1372 mm) and not less than 48 inches (1219 mm) above the finished floor.
4. In structures other than dwellings, the operable parts of the alarm deactivation switches shall be located not greater than 54 inches (1372 mm) and not less than 48 inches (1220 mm) above the finished floor.
5. A *safety cover* that is *listed* and *labeled* in accordance with ASTM F1346 is installed for the pools and spas.
6. 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 afforded by Item 1 or 2.





Above Ground Pools

Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps, then the ladder or steps either shall be capable of being secured, locked or removed to prevent access, or the ladder or steps shall be surrounded by a barrier that meets the barrier requirements. (**See Figure 12**) When the ladder or steps are secured, locked, or removed, any opening created shall not allow the passage of a 4-inch diameter sphere.



Town of Windsor, CT
Pool, Spa and Hot Tub
Barrier Code Compliance Affidavit

Pool Spa Hot Tub

Installed by: ___ Owner ___ Contractor

Installation address: _____

Property owner's name: _____

Applicant: _____

Owner/Applicant: Please Check the appropriate items below:

___ I/We have been made aware of, and will meet the pool, spa and hot tub barrier requirements.

___ I/We will meet the pool, spa and hot tub barrier requirements by using one of the following barrier alternatives:

___ Pool wall is 48" or taller and will be provided with an approved self-closing/self-latching ladder and shall be equipped to accommodate a locking device.

___ There will be a minimum 4' high fence with self-closing/self-latching gates which shall be equipped to accommodate a locking device as required by Building Code between the pool and the residence.

___ There will be a fence with gates as above between adjacent properties and I/We will be using the residence wall as a barrier and will meet all safety requirements for doors and windows in the residence wall.

___ There will be a fence with gates as above between the pool and adjacent properties and I/We will be placing a key-operated, motorized safety cover on the pool, which complies with ASTM F-1346.

___ All pools shall not be filled with over 24" of water until I/We call for and pass the pool barrier and gating safety inspection.

___ If required by local authorities, I/We agree to have out fence contractor erect a code compliant temporary fence immediately after pool excavation.

___ Hot tub or spa will be provided with an approved ASTM F-1346 safety cover

Signature of Property Owner(s) _____ Date: _____

_____ Date: _____