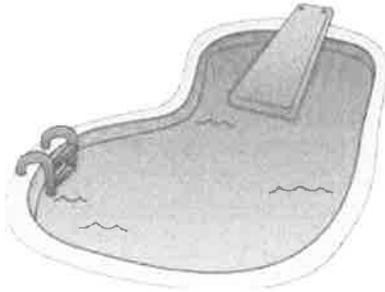


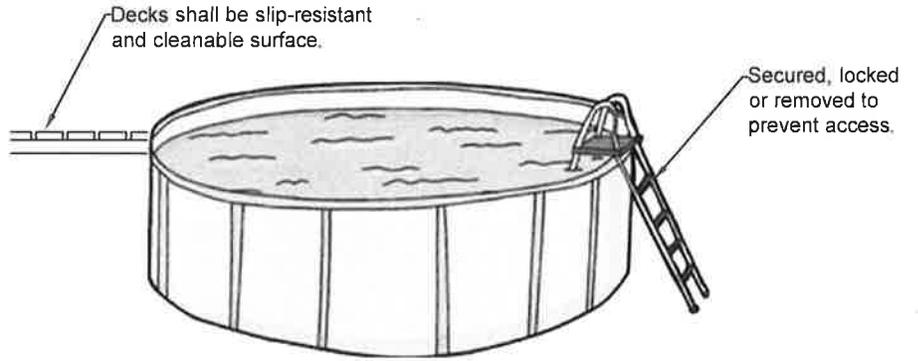
RESIDENTIAL POOLS, SPAS, HOT TUBS AND SAUNAS - PERMIT REQUIRED



In-ground pools. Designed and constructed in compliance with ANSI/NSPI-5. **Engineering required.**



Permanent spas & hot tubs. Designed and constructed in compliance with ANSI/NSPI-3 when permanently installed, ANSI/NSPI-6 if portable

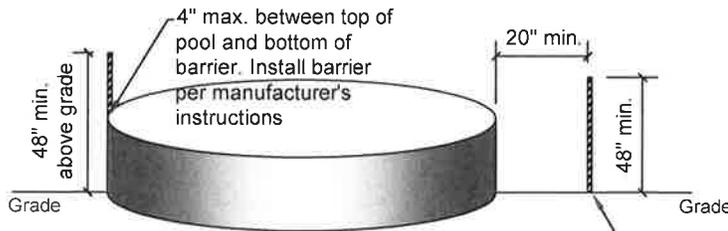


Above-ground pools. Designed and constructed in compliance with ANSI/NSPI-4



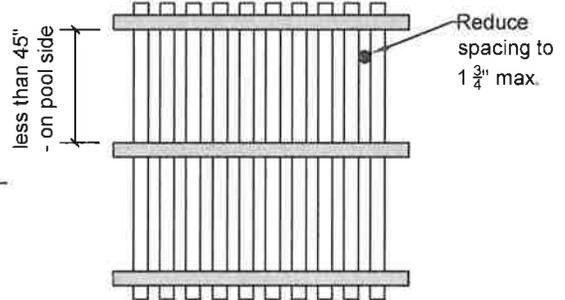
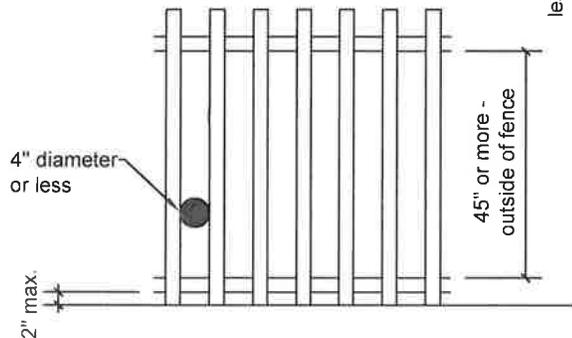
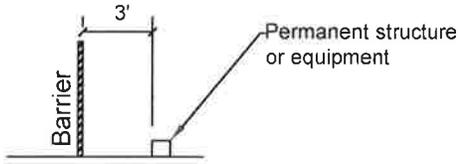
DID YOU KNOW??

Protection barriers are required 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.



Entire perimeter of the barrier and for a distance of 3' measured horizontally from the outside of the required barrier.

2" max. between grade and bottom of barrier for grass or gravel, 4" max. for hard surface such as concrete



RESIDENTIAL POOLS, SPAS, HOT TUBS AND SAUNAS - CONT.



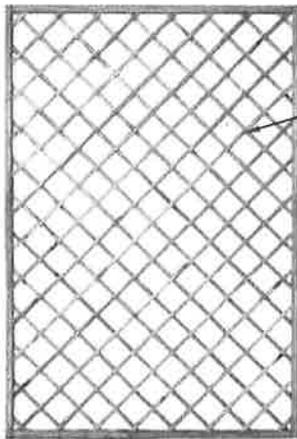
Chainlink

Opening space
1 ³/₄" max. square

No indentations or protrusions beyond normal construction tolerances

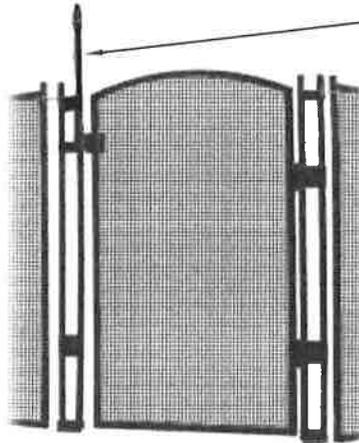


Solid Barriers



Lattice

1 ³/₄" max.



Access Gates

Equip with locking device. Pedestrian access gates shall open outward away from the 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 mechanism of a self-latching device is located less than 54" from the bottom of the gate, the release mechanism and openings shall: Be located on the pool side of the gate at least 3" below the top of the gate; and the gate and barrier shall have no opening larger than 1/2" within 18" of the release mechanism.

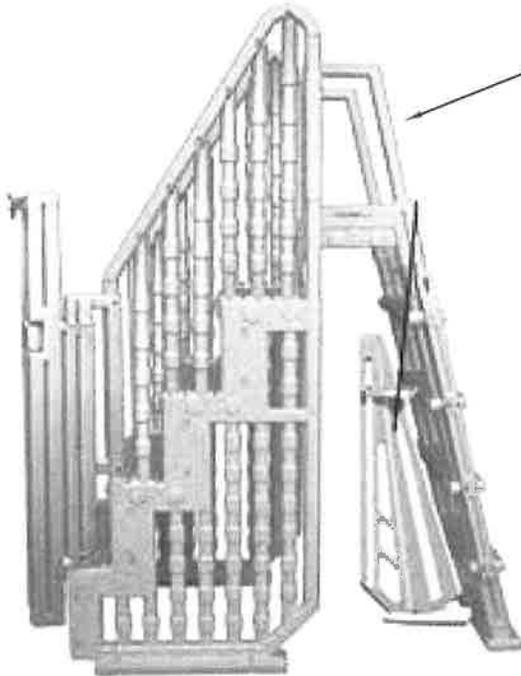
When adjacent to a structure, one of the following conditions shall be met:

1. The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346;
2. Doors with direct access to the pool shall be equipped with an alarm which produces an audible warning when the door and/or its screen are opened. The alarm shall be listed and labeled in accordance with UL 2017. The deactivation switch(s) shall be located at least 54" above the threshold of the door; or
3. Other means of protection, such as a self-closing door with self-latching devices, which are approved by the governing body, shall be acceptable as long as the degree of protection is not less than items 1 or 2.

Operable windows with a sill height of less than 48" above the indoor floor shall have an audible alarm when the window or screen is opened.



RESIDENTIAL POOLS, SPAS, HOT TUBS AND SAUNAS - CONT.



Where access is by means of a ladder or steps:

1. The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
2. The ladder or steps shall be surrounded by a barrier which meets the requirements for barriers. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4" diameter sphere.

Spas or hot tubs with a safety cover which comply with ASTM F 1346 are exempt from these provisions.



Glazing where the bottom exposed edge is less than 60" measured vertically above standing or walking surfaces shall be considered a hazardous location. Glazing shall be safety glazing in windows, doors, enclosures and fences. Glazing shall be etched or permanently labeled.

WA STATE ENERGY CODE TIDBITS:

*The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3' of the heater. Operation of such switch shall not change the settings of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater.

Gas-fired heaters shall not be equipped with constant burning pilot lights.

* Time switches or other control method that can automatically turn off and on according to preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be deemed in compliance with this requirement.

*Outdoor heated pools and outdoor permanent spas shall be provided with a vapor-retardent cover, or other approved vapor retardant means.

* Pool pump motors may not be split-phase or capacitor start-induction run type. Pump motors: Pool pump motors with a capacity of 1 hp or more shall have the capability of operating at two or more speeds with low speed having a rotation rate that is no more than one-half of the motor's maximum rotation rate. Pump controls: Pool pump motor controls shall have the capability of operating the pool pump with at least two speeds. The default circulation speed shall be the lowest speed, with a high speed override capability being for a temporary period not to exceed one normal cycle.

* Circulating water systems shall be controlled so that the circulation pump(s) can be conveniently turned off, automatically or manually, when the water system is not in operation.

RESIDENTIAL POOLS, SPAS, HOT TUBS AND SAUNAS - CONT.



* Sauna heaters shall be protected from accidental contact with a guard of material having a low thermal conductivity, such as wood. The guard shall have no substantial effect on the transfer of heat from the heater to the room.

* Sauna heaters shall be installed in accordance with the manufacturer's installation instructions. Sauna heaters shall comply with UL 875.

* Combustion air and venting for nondirect-vent type heater shall be provided in accordance with Code requirements.

* Sauna heaters shall be equipped with a thermostat that will limit room temperature to not greater than 194 degrees F. Where the thermostat is not an integral part of the heater, the heat-sensing element shall be located within 6" of the ceiling.

* Light fixtures, electrical outlets, etc., shall comply with the WA State Electrical Code. Contact Department of Labor and Industries at 360-896-2300 for specific requirements.

GOOD PRACTICE:

* Use stainless steel or fasteners approved for use in high moisture and heat environments.

* Provide approved sauna foil vapor barrier on walls and ceiling of sauna. Install per Manufacturer's installation instructions. Provide floor drain in sauna with trap primer. Drain to approved location.

* Ceiling of sauna shall not exceed 7' in height.

* Sauna heater shall be listed for the application and installed per manufacturer's installation instructions. Heaters shall be properly sized for size of sauna room.

* The sauna shall have an approved light fixture.

* Sauna venting must include an intake vent near the floor under the sauna heater and an exhaust vent on the opposite side of the room to create air movement, to distribute the heat evenly, and to maintain the proper oxygen level in the sauna. The intake shall provide outside air, and the exhaust shall vent directly to the exterior.

* Sauna kits shall be installed per the manufacturer's installation instructions, and shall be available for verification at the time of inspection.