

TO: TOWN OF LEWISTON BUILDING DEPARTMENT

I, _____, AS OWNER OF THE
PREMISES LOCATED AT _____

DO HEREBY STATE THAT, HAVING READ THE GENERAL REQUIREMENTS
FOR SWIMMING POOL ENCLOSURES (ATTACHED), I WILL COMPLY WITH
SAID REQUIREMENTS PRIOR TO COMPLETION OF THE POOL.

ALSO, ALL REQUIRED BUILDING, ELECTRICAL, AND PLUMBING
INSPECTIONS WILL BE COMPLETED DIRECTLY UPON COMPLETION OF AND
PRIOR TO THE USE OF THE POOL.

ALSO, A CHILD PROOF LOCK WILL BE INSTALLED ON ALL POOL
ENCLOSURE GATES AS REQUIRED BY THE TOWN BOARD.

IT IS FURTHER UNDERSTOOD THAT NO PERMITS REGARDING POOLS
OR ASSOCIATED EQUIPMENT WILL BE ISSUED UNTIL THIS LETTER IS
SIGNED AND RETURNED TO THE TOWN OF LEWISTON BUILDING
DEPARTMENT.

THIS FORM MUST BE NOTARIZED

PROPERTY OWNER SIGNATURE

DATED

Sworn to me this _____ day

of _____,

Notary Public



Swimming Pool Barrier Requirements

ISPSC – 2015 International Swimming Pool and Spa Code

Section 305 – BARRIER REQUIREMENTS

305.1 General. The provisions of this section shall apply to the design of barriers for pools and spas. These design controls are intended to provide protection against the potential drowning and near drowning by restricting access to such pools or spas. These requirements provide an integrated level of protection against potential drowning through the use of physical barriers and warning devices.

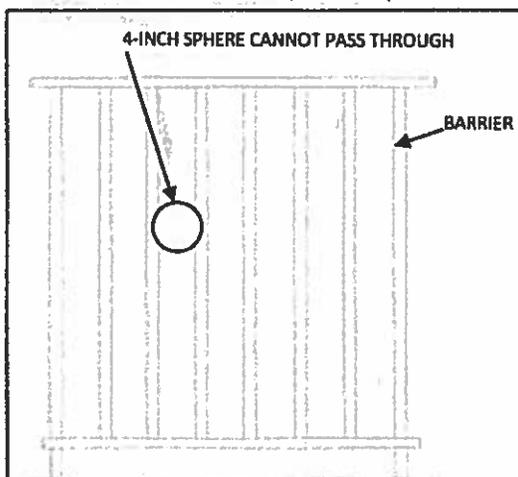
EXCEPTIONS:

1. Spas and hot tubs with a lockable safety cover that complies with ASTM F1346.
2. Swimming pools with a powered safety cover that complies with ASTM F1346.

305.2 Outdoor swimming pools and spas. Outdoor pools and spas and indoor swimming pools shall be surrounded by a barrier that complies with Sections 305.2.1 through 305.7.

305.2.1 Barrier height and clearances. Barrier heights and clearances shall be in accordance with all of the following:

1. The top of the barrier shall be not less than 48 inches above grade where measured on the side of the barrier that faces away from the pool or spa. Such height shall exist around the entire perimeter of the barrier and for a distance of 3 feet measured horizontally from the outside of the required barrier.
2. The vertical clearance between grade and the bottom of the barrier shall not exceed 2 inches for grade surfaces that are not solid, such as grass or gravel, where measured on the side of the barrier that faces away from the pool or spa.
3. The vertical clearance between a surface below the barrier to a solid surface, such as concrete, and the bottom of the required barrier shall not exceed 4 inches where measured on the side of the required barrier that faces away from the pool or spa.



**FIGURE 305.2.2
FOUR-INCH SPHERE CANNOT
PASS THROUGH BARRIER OPENINGS**



**FIGURE 305.1(2)
INTEGRAL-TYPE POWERED SAFETY COVER
FOR PUBLIC POOL**

4. Where the top of the pool or spa structure is above grade, the barrier shall be installed on grade or shall be mounted on top of the pool or spa structure. Where the barrier is mounted on the top of the pool or spa, the vertical clearance between the top of the pool or spa and the bottom of the barrier shall not exceed 4 inches.

305.2.2 Openings: Openings in the barrier shall not allow passage of a 4-inch-diameter sphere.

305.2.3 Solid barrier surfaces. Solid barriers that do not have openings shall not contain indentations or protrusions that form handholds and footholds, except for normal construction tolerances and tooled masonry joints.



Swimming Pool Barrier Requirements

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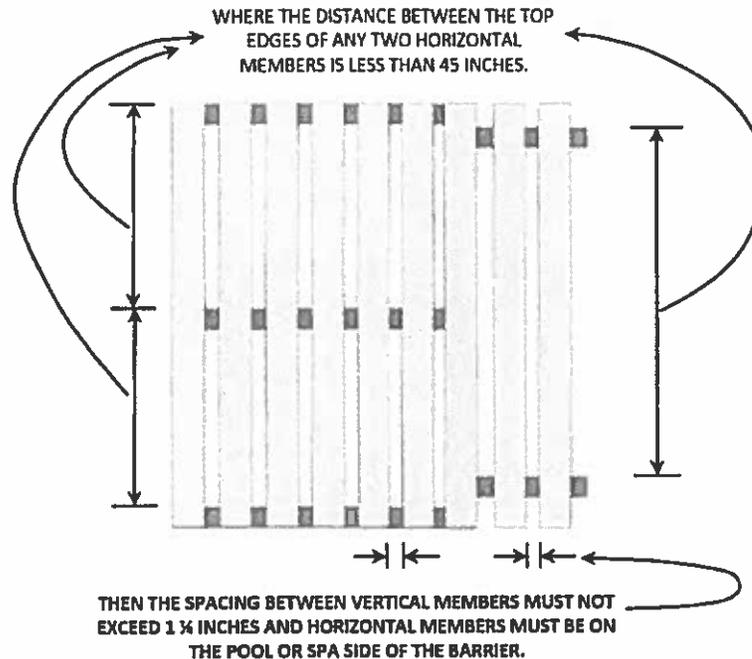


FIGURE 305.2.5(1)
MAXIMUM SPACING BETWEEN VERTICAL MEMBERS WHERE DISTANCE BETWEEN TOP OF HORIZONTAL MEMBERS IS LESS THAN 45 INCHES

305.2.4 Mesh fence as a barrier. Mesh fences, other than chain link fences in accordance with Section 305.2.7, shall be installed in accordance with the manufacturer's instructions and shall comply with the following:

1. The bottom of the mesh fence shall be not more than 1 inch above the deck or installed surface or grade.
2. The maximum vertical clearance from the bottom of the mesh fence and the solid surface shall not permit the fence to be lifted more than 4 inches from grade or decking.
3. The fence shall be designed and constructed so that it does not allow passage of a 4-inch sphere under any mesh panel. The maximum vertical clearance from the bottom of the mesh fence and the solid surface shall not be more than 4 inches from grade or decking.
4. An attached device shall attach each barrier section at a height not lower than 45 inches above grade. Common attachment devices include, but are not limited to, devices that provide the security equal to or greater than that of a hook-and-eye-type latch incorporating a spring-actuated retaining lever such as a safety gate hook.



FIGURE 305.1(4)
NONPOWERED MESH COVER DOES NOT ALLOW FOR ABSENCE OF BARRIER AROUND POOL



Swimming Pool Barrier Requirements

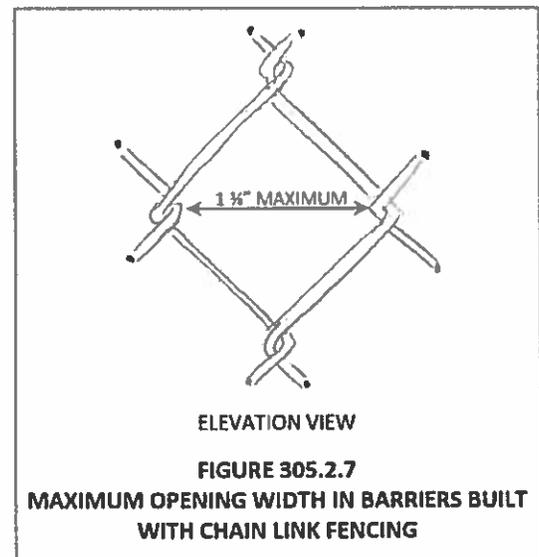
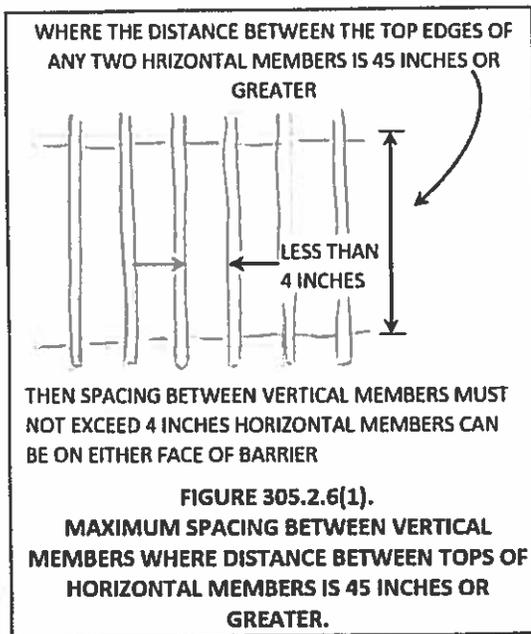
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5. Where a hinged gate is used with a mesh fence, the gate shall comply with Section 305.3.
6. Patio deck sleeves such as vertical post receptacles that are placed inside the patio surface shall be of a nonconductive material.
7. Mesh fences shall not be installed on top of onground residential pools.

305.2.5 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 pool or spa side of the fence. Spacing between vertical members shall not exceed $1\frac{3}{4}$ inches in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1\frac{3}{4}$ inches in width.

305.2.6 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 not exceed 4 inches. Where there are decorative cutouts within vertical members, the interior width of the cutouts shall not exceed $1\frac{3}{4}$ inches.

305.2.7 Chain Link dimensions. The maximum opening formed by a chain link fence shall not be more than $1\frac{3}{4}$ inches. Where the fence is provided with slats fastened at the top and bottom which reduce the openings, such openings shall not be more than $1\frac{3}{4}$ inches.



305.2.8 Diagonal members. Where the barrier is composed of diagonal members, the maximum openings formed by the diagonal members shall be not more $1\frac{3}{4}$ inches. The angle of diagonal members shall not be greater than 45 degrees from vertical.

305.2.9 Clear zone. There shall be a clear zone of not less than 36 inches between the exterior of the barrier and any permanent structures or equipment such as pumps, filters and heaters that can be used to climb the barrier.



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305.2.10 Poolside barrier setbacks. The pool or spa side of the required barrier shall be not less than 20 inches from the water's edge.

305.3 Gates. Access gates shall comply with the requirements of Sections 305.3.1 through 305.3.3 and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool or spa, shall be self-closing and shall have a self-latching device.

305.3.1 Utility or service gates: Gates not intended for pedestrian use, such as utility or service gates, shall remain locked when not in use.

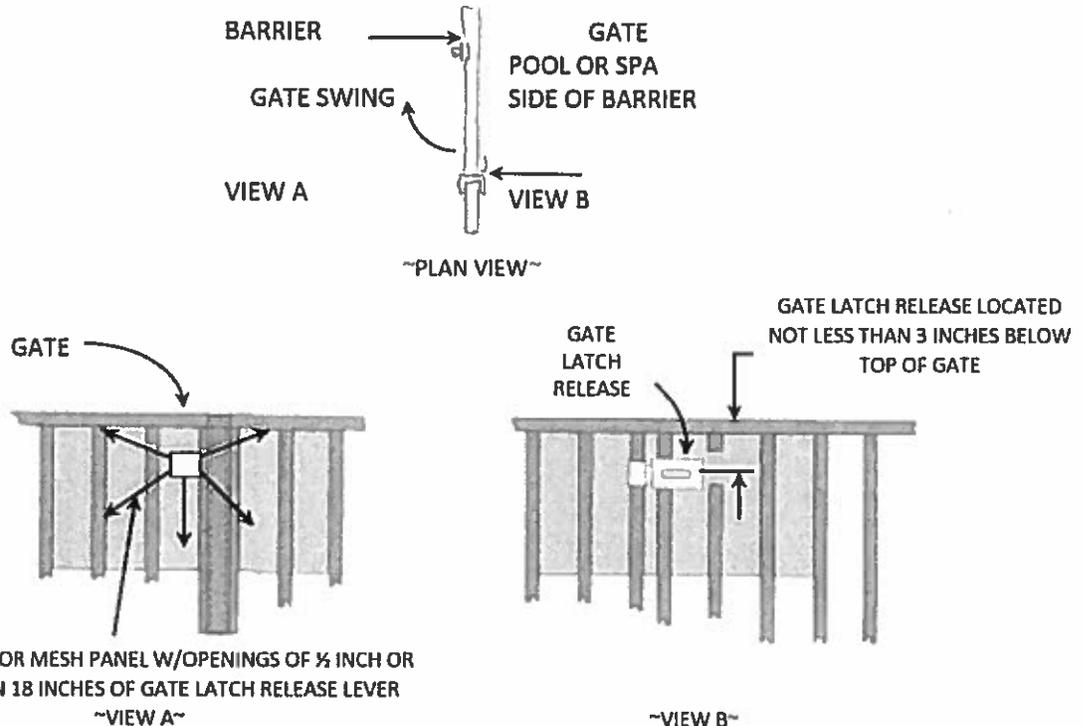


FIGURE 305.3.3(1)
LOCATION AND PROTECTION BARRIER GATE LATCH RELEASE WERE
LOCATED AT LESS THAN 54 INCHES ABOVE WALKING SURFACE

305.3.2 Double or multiple gates. Double gates or multiple gates shall have at least one leaf secured in place and the adjacent leaf shall be secured with a self-latching device. The gate and barrier shall not have openings larger than 1/2 inch within 18 inches of the latch-release mechanism. The self-latching device shall comply with the requirements of Section 305.3.3.

305.3.3 Latches. Where the release mechanism of the self-latching device is located less than 54 inches from grade, the release mechanism shall be located on the pool or spa side of the gate not less than 3 inches below the top of the gate, and the gate and barrier shall not have openings greater than 1/2 inch within 18 inches of the release mechanism.



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305.4 Structure wall as a barrier. Where a wall of a dwelling or structure serves as part of the barrier and where doors 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 above the indoor finished floor and doors shall have an alarm that produces an audible warning when the window, door or their screens are opened. The

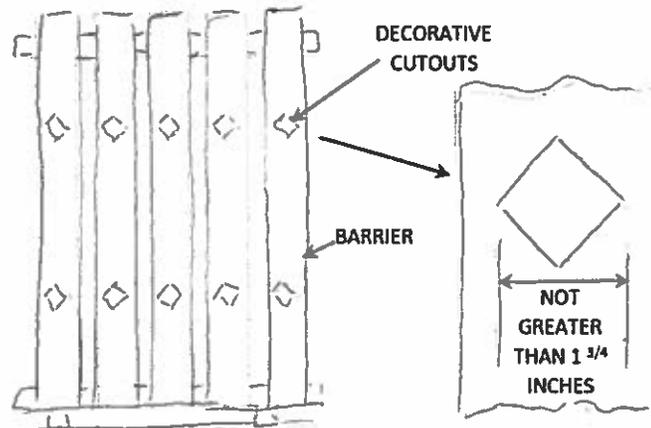


FIGURE 305.2.5(2)

MAXIMUM OPENING WIDTH OF DECORATIVE CUTOUTS IN BARRIER MATERIALS

alarm shall be listed and labeled as a water hazard entrance alarm in accordance with UL 2017. In dwellings or structures not required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located 4 inches or more above the finished floor. In dwellings or structures 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 and not less than 48 inches above the finished floor.

2. A safety cover that is listed and labeled in accordance with ASTM F1346 is installed for the pools and spas.
3. 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.

305.5 Onground residential pool structure as a barrier. Where an onground residential pool wall structure or a barrier mounted on top of an onground residential pool wall structure shall serve as a barrier where all of the following conditions are present:

1. Where only the pool wall serves as the barrier, the bottom of the wall is on grade, the top of the wall is not less than 48 inches above grade for the entire perimeter of the pool, the wall complies with the requirements of Section 305.2 and the pool manufacturer allows the wall to serve as a barrier.
2. Where a barrier is mounted on top of the pool wall, the top of the barrier is not less than 48 inches above grade for the entire perimeter of the pool, and the wall and the barrier on top of the wall comply with the requirements of Section 305.2.
3. Ladders or steps used as means of access to the pool are capable of being secured, locked or removed to prevent access except where the ladder or steps are surrounded by a barrier that meets the requirements of section 305.
4. Openings created by the securing, locking or removal of ladders and steps do not allow the passage of a 4-inch diameter sphere.



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5. Barriers that are mounted on top of onground residential pool walls are installed in accordance with the pool manufacturer's instructions.

305.6 Natural barriers. In the case where the pool or spa area abuts the edge of a lake or other natural body of water, public access is not permitted or allowed along the shoreline, and require barriers extend to and beyond the water's edge a minimum of 18 inches, a barrier is not required between the natural body of water shoreline and the pool or spa.

305.7 Natural topography. Natural topography that prevents direct access to the pool or spa area shall include but not be limited to mountains and natural rock formations. A natural barrier approved by the governing body shall be acceptable provided that the degree of protection is not less than the protection afforded by the requirements of Sections 305.2 through 305.5.

307.5 Freeze protection. In climates subject to freezing temperatures, outdoor pool and spa shells and appurtenances, piping, filter systems, pumps and motors, and other components shall be designed and constructed to provide protection from damage from freezing.

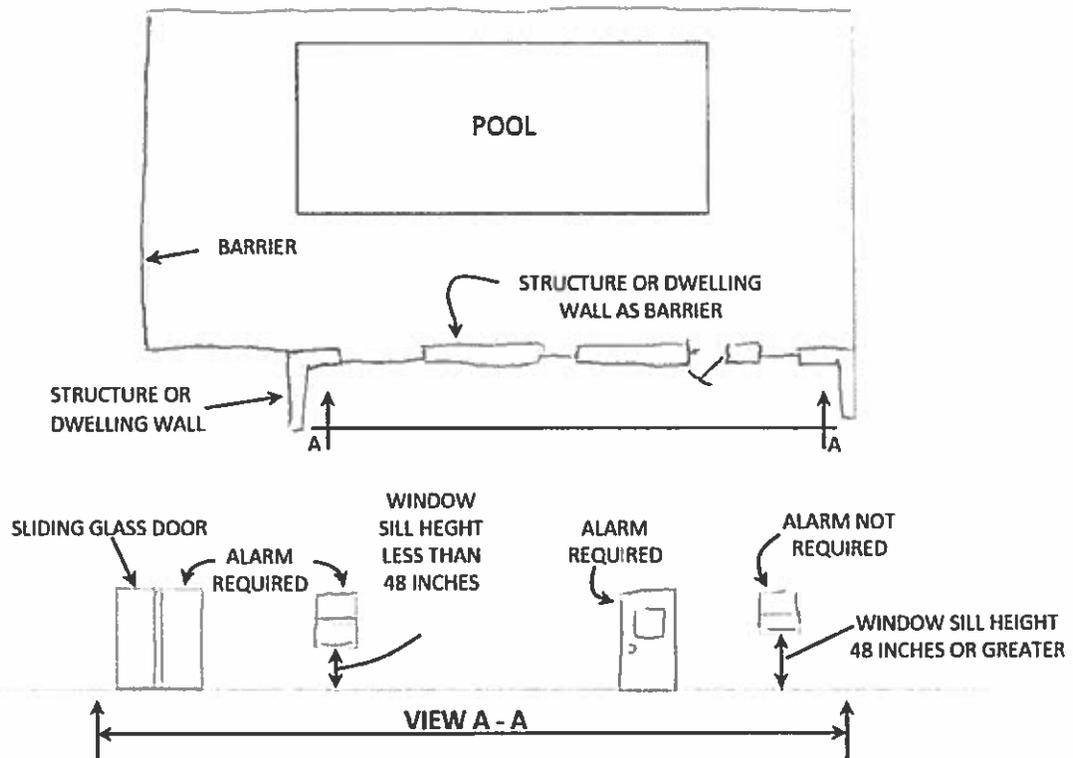


FIGURE 305.4(1)
STRUCTURE OR DWELLING WALL SERVING AS A BARRIER TO A POOL OR SPA

Electrical Requirements for Above Ground Pools

1) Pool Pump Receptacle

- a. If the pump is located near the pool, the receptacle for the pump cannot be closer than 6' from the pool and needs Ground Fault Circuit Interrupter (GFCI) protection. The receptacle must be a single receptacle.
- b. The pool pump receptacle must have an in-use cover (plastic bubble type or other) if exposed to weather.
- c. The pool pump receptacle must be on its own circuit if the motor draws more than 50% of the rating of the circuit -no other receptacles, lights, heaters, etc.
- d. The pool pump circuit wiring must be run in conduit outdoors. Conduits are either PVC or Rigid steel. PVC conduit must be buried at a depth of 18", Rigid steel conduit at a depth of 6". If all the circuits in a PVC conduit are GFCI protected before the conduit enters the ground, the depth may be reduced to 12". This means the GFCI protection would be located in/on the house or garage. Don't forget the expansion coupling at the house or garage.
- e. The ground wire used in the conduit for the pool pump must not be smaller than #12 AWG and must be an insulated wire. Typically black-hot, white-neutral, green-ground individual wires and must be labeled THWN for wet locations. You may change over to Romex once inside the house or garage using a junction box and proper splicing methods-wire nuts, crimps, etc. UF cable is not allowed for the pool pump receptacle.
- f. The cord on the pool pump must be 3-conductor #12 AWG wire and is not allowed to be longer than 3'.

2) Convenience Receptacle

- a) At least 1 GFCI protected convenience receptacle is required and must be located no closer than 6' and no further than 20'.
- b) Must have an in-use cover where exposed to weather.
- c) Must be on a separate circuit from the pool pump motor if pool pump motor exceeds 50% of circuit rating (see 1c above).
- d) Wiring can be either UF cable or you can utilize the conduit system already in place for the pump receptacle and use the same type of wire as the pump circuit.

3) Bonding the Pool

- a) The bonding of the pool is done by running a solid, bare, #8 wire, all the way around the perimeter of the pool. This wire must be run 18"-24" from the side of the pool and be buried 4"-6" down. If the pool is made of any metal this wire must be bonded to the pool in 4 equally spaced locations around the pool.

You must also bond this wire to the lug on the pool pump motor. Bonding is done to the frame of the pool with approved connectors.

- b) A water bond is also required to be part of the bonding system above. A water bond is 9" square of metal in contact with the water. This device so far has been either a concave metal plate with a lug on the back that mounts in the skimmer basket or a fitting that mounts in the suction or discharge port of the pump and has a lug sticking out for connection. The water bond device must be bonded to the #8 solid, bare wire used in a) above.
- c) All other metal objects larger than 4" in any direction and penetrating into the pool structure more than 1" must be bonded into the bonding system. All other fixed metal items within 5' of the pool must be bonded, including fences, down spouts or gutters, aluminum siding, decks, etc.

4) Timer

- a) All pool pump motors and heaters are required to be on a timer. This will be a time clock mounted either indoors or a weather-proof one mounted outdoors or a device integral to the motor or controller.