



Pool Barrier Requirements – ISPSC Sec. 305

****Must be signed by Property Owner AND Contractor****

Construction Fencing Required

The construction sites for in-ground swimming pools and spas shall be provided with construction fencing to surround the site from the time that any excavation occurs up to the time that the permanent barrier is completed. The fencing shall be not less than 4 feet in height.

Fence

1. The top of the barrier shall be at least 48 inches above grade.
2. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches.
3. Openings in the barrier shall not allow the passage of a 4-inch sphere.
4. Solid barriers which do not have openings, such as masonry or stone wall, shall not contain indentations or protrusions, except for normal construction tolerances and tooled masonry joints.
5. Where the barrier is composed of vertical and horizontal 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 pool side of the fence. Spacing between vertical members shall not exceed $1\frac{3}{4}$ inches in width. Where there are decorative cut outs within the vertical members, spacing within the cut outs shall not exceed $1\frac{3}{4}$ inches in width.
6. Where the barrier is composed of vertical and horizontal 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 cut outs within the vertical members, spacing within the cut outs shall not exceed $1\frac{3}{4}$ inches in width.
7. Maximum mesh size for chain link fence shall be a $1\frac{3}{4}$ inch square, unless the fence has slats fastened at the top and bottom which reduce the openings to not more than $1\frac{3}{4}$ inches.
8. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening forms by the diagonal members shall not be more that $1\frac{3}{4}$ inches.
9. The inside of a mesh fence shall be not closer than 20 inches to the nearest edge of the water of a pool or spa.

Clear Zone

Where equipment, including pool equipment such as pumps, filters, and heaters, is on the same lot as a pool or spa and such equipment is located outside of the barrier protecting the pool or spa, such equipment shall be located not less than 36 inches from the outside of the barrier.

Doors and Gates

Doors and gates in barriers shall comply with the requirements be equipped to accommodate a locking device. Pedestrian access doors and gates shall open outward away from the pool or spa, shall be self-closing and shall have a self-latching device.

Utility or Service Doors and Gates.

Doors and gates not intended for pedestrian use, such as utility or service doors and gates, shall remain locked when not in use.

Double or Multiple Doors and Gates

Double doors and gates or multiple doors and gates shall have not fewer than one leaf secured in place and the adjacent leaf shall be secured with a self-latching device.

Latch Release

For doors and gates in barriers, the door and gate latch release mechanisms shall be in accordance with the following:

1. Where door and gate latch release mechanisms are accessed from the outside of the barrier and are not of the self-locking type, such mechanism shall be located above the finished floor or ground surface in accordance with the following:
 2. At residential pools and spas, not less than 54 inches.
 3. Where door and gate latch release mechanisms are of the self-locking type such as where the lock is operated by means of a key, an electronic opener, or the entry of a combination into an integral combination lock, the lock operation control and the latch release mechanism shall be located above the finished floor or ground surface in accordance with the following:
 4. At residential pools and spas, at not greater than 54 inches.

Barriers adjacent to latch release mechanisms.

Where a latch release mechanism is located on the inside of a barrier, openings in the door, gate, and barrier within 18 inches of the latch shall not be greater than $\frac{1}{2}$ inch in any dimension.

Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate, 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 $\frac{1}{2}$ inch within 18 inches of the release mechanism.

Structure Wall as A 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 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 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) and not less than 48 inches 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 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.

Door and Window Alarms

Where a wall of the dwelling serves as part of the barrier, doors with direct access to the pool shall be equipped with an alarm which produces an audible warning when the door is opened. The alarm shall be listed and labeled in accordance with UL 2017. The deactivation switch shall be located at least 54 inches above the threshold of the door.

Above Ground Pools

1. Where an above ground pool structure is used as a barrier, or where the barrier is mounted on top of the pool, and means of access is a ladder or step, the ladder or steps shall be capable of being locked or removed to prevent access.
2. The ladder or steps shall be surrounded by a barrier which meets all other barrier requirements.
3. When the ladder or steps are secured, locked, or removed, any opening created shall not allow the passage of a 4-inch sphere.

Glazing Hazardous Location

Glazing in walls, enclosures or fences containing or adjacent to hot tubs, spas, whirlpools, saunas, steam rooms, bathtubs, showers and indoor or outdoor swimming pools where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface shall be a hazardous location. This shall apply to single glazing and each pane in multiple glazing.

Exception: Glazing that is more than 60 inches, measured horizontally, from the water's edge of swimming pool.

I agree to comply with all requirements of the International Swimming Pool & Spa Code including the barrier requirements listed above. I understand that Final Inspection will not be approved, and occupancy of the swimming pool will not be granted until all code requirements are met. I understand that a separate fence permit may be required in order to meet these requirements.

Contractor: _____ **Date:** _____

Property Owner: _____ **Date:** _____