CITY OF GARDEN CITY

SWIMMING POOLS
MICHIGAN Building CODE 2012 &2015 Michigan Residential Building Code Chapter 42 along with the 2015 ISPSC

All but small pools not equipped with water re-circulating systems or those that are less than 2 feet deep, or have an area of less than 250 square feet *must* comply with the provisions of the 2015Michigan Residential Code, Section 3109 and Chapter 42 of the 2015 Michigan Residential Code along with the 2015 International Swimming Pool and Spa Code

All swimming pools shall be provided with a re-circulating skimming device or overflow gutters to remove scum and foreign matter.

Slip resistant surface of not less than 1 foot at the edge of the pool shall be provided and so arranged as to prevent return of surface water to the pool.

One means of egress shall be provided from private pools. Step treads shall have a minimum unobstructed horizontal depth of 10 inches and a minimum unobstructed surface area of 240 square inches. Risers shall have a maximum uniform height of 12 inches as measured to the centerline of the tread, (Minimum step 10" depth by 24" wide).

All swimming pools shall be provided with potable water supply.

Water treatment shall be designed and installed so that there is a pool water turnover at least once every 18 Hours.

Pool enclosure shall extend not less than 4 feet above the ground. All gates shall be self-closing and self-latching with latches placed at least 4 feet above the ground. As an option, 6 foot fencing is permitted in the rear yard only. Enclosure fences shall be constructed so as to prohibit the passage of a sphere larger than 4 inches in diameter through any opening or under the fence.

Pools, in-ground or on ground, shall be provided with a barrier which shall comply with the following: (exception-Spa or hot tub with an approved safety cover-locked lid).

The top of the barrier shall be at least 48 inches above finished ground level measured on the side of the barrier that faces away from the swimming pool. The maximum vertical clearance between finished ground level and the barrier shall be 2 inches measured on the side of the barrier that faces away from the swimming pool.

Where the top of the pool structure is above finished ground level, such as an above ground pool, the barrier shall be at finished ground level, such as the pool structure, or shall be mounted on the top of the pool structure. Where the barrier is mounted on the pool structure, the opening between the top surface of the pool frame and the bottom of the barrier shall not allow passage of a 4 inch diameter sphere. 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; (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. When the ladder or steps are secured, locked, or removed, any opening created shall not allow the passage of a 4 inch in diameter sphere.

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

Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches, the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed1-3/4 inches in width. Decorative cutouts shall not exceed 1-3/4 inches in width.

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. Decorative cutouts shall not exceed 1-3/4 inches in width.

Chain link fences shall be a 1 ¼ inch square unless the fence is provided with slats fastened at the top or the bottom which reduces the openings to not more than 1-3/4 inches.

GATES: Pedestrian access gates shall open outwards 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 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 shall not have an opening greater than ½ inch within 18 inches of the release mechanism.

WHERE THE WALL OF A DWELLING UNIT SERVES AS PART OF THE BARRIER AND CONTAINS A DOOR THAT PROVIDES DIRECT ACCESS TO THE POOL AREA, ONE OF THE FOLLOWING SHALL APPLY:

1. All doors with direct access to the pool shall be equipped with an alarm which produces an audible warning when the door and its screen, if present are opened.

2. The pool shall be equipped with a power safety cover.

3. All doors with direct access to the pool through that wall shall be equipped with a self-closing and self-latching device with the release mechanism located a minimum of 54 inches above the floor. Swinging doors shall open away from the pool area.

Electrical wires must be a minimum of 18 feet vertically and a minimum of 10 feet horizontally from the pool or deck wall.

Filter pump flexible cord shall not exceed 5 feet in length and shall have a copper equipment grounding conductor not smaller than No. 12.

All electrical equipment shall meet the 2006 Michigan Residential code Section E4103.

A plot plan must be submitted showing lot size and exact location and dimensions of pool.

It is recommended that the brochure from the pool manufacturer be submitted along with the permit application.

CITY OF GARDEN CITY
MICHIGAN RESIDENTIAL CODE 2015 Chapter 42
ELECTRICAL INFORMATION FOR SWIMMING POOLS

1. Any swimming pool in-ground, above ground, or in a building, is subject to these requirements.

2. Swimming pools will be wired according to Section E4 and chapter 38. *Separate electrical permit and electrical Inspection are required.*

3. All electrical equipment including power supply cords used with swimming pools shall be protected by Ground fault circuit interrupters (GFCI).

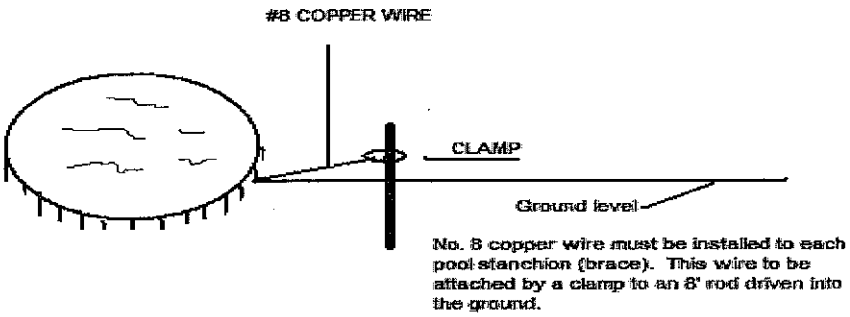
4. A single receptacle may be located six to ten feet from the inside wall of the pool and must be on a GFCI. This outlet is to be used only for the re-circulating pump. Other receptacles on the property shall be located at least six feet from the inside wall of the pool.

5. Approved raceways for underground wiring of pools are: U. F. or direct burial cable, rigid metal, I.M.C. or rigid non-metallic conduit. Trench depths shall be a minimum of eighteen inches deep.

6. Bonding: Section E4204.

7. Filter pump should be on a separate circuit GFI protected and #14 wire with a 15 AMP fuse or breaker, or a #12 wire with a 20 AMP fuse or breaker. A ground wire should be at least the same size as the branch circuit wire or larger. The bond wire and the branch circuit ground will be tied together. One half H.P. pumps or smaller can be used on the same GFCI as a garage or outside outlet.

8. **Extension cords are strictly forbidden.**



POOL REQUIREMENTS
CITY OF GARDEN CITY

- ✓ A plot plan must be submitted showing lot size and exact location and dimensions of pool.
- ✓ It is recommended that the brochure from the pool manufacturer be submitted along with the permit application.

HEIGHT OF POOL (FROM GROUND TO TOP EDGE)_____

IS REAR OF YARD COMPLETELY SURROUNDED BY A FENCE? _____

TYPE OF FENCE Wood_____ Chain link _____ Vinyl_____

HEIGHT OF FENCE _____

LOCATION OF ELECTRICAL WIRES MUST BE SHOWN ON PLOT PLAN

HOW MANY FEET FROM EDGE OF POOL AND HEIGHT OF WIRE. IF WIRES ARE UNDER GROUND , THIS MUST BE NOTED ON PLOT PLAN.

WILL FENCE HAVE A SELF-LATCHING GATE? _____ (REQUIRED)

BY FINAL INSPECTION, WILL BACK DOOR (OR ENTRANCE TO REAR OF HOUSE) BE EQUIPPED WITH AN ALARM? _____ (REQUIRED)

DOES POOL HAVE A REMOVABLE LADDER? Yes_____ No _____

DOES POOL HAVE IT'S OWN FENCE (or railing) Yes _____ No _____

BY FINAL INSPECTION, WILL POOL HAVE FLOATING ALARM? (REQUIRED) Yes _____

_____

STREET ADDRESS

_____

HOMEOWNER SIGNATURE