



Eaton County Department of Construction Codes

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"OUR GOAL IS TO PROVIDE A SAFER PLACE TO LIVE, WORK AND PLAY"

Requirements for, Swimming Pools, Hot Tubs and Spas in Michigan

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Quick Tips on Walls & Fencing

1. A fence, wall or other approved barrier that is 48 inches (122 cm) tall must completely surround the swimming pool, hot tub or spa area (see "BARRIER" in Section 202*).
2. Depending on the type of barrier being installed, any opening in that fence or wall must be small enough to prevent the passage of a 4 inch sphere (see Section 305.2.2*).
3. A fence or wall must be built so it cannot be easily climbed (see Section 305.2.7*).
4. The maximum size opening in a chain link fence is $1\frac{3}{4}$ inches (44 mm) square (see Section 305.2.7*).
5. If the house is used as part of the barrier, any door with direct access to the swimming pool area shall be equipped with some type of safety device, like a door alarm (see Section 305.4*).
6. All gates in a fence or wall must be self-latching, self-closing and swing away from the swimming pool (see Section 305.3*).
7. There are other special requirements for access to above ground swimming pools (see Section 305.5*).

NOTICE

IN MOST CASES, SOME TYPE OF PROTECTIVE BARRIER MEETING THE REQUIREMENTS OF THE BUILDING CODE MUST BE SECURELY ANCHORED IN PLACE AROUND A SWIMMING POOL (IN GROUND OR ABOVE GROUND) BEFORE ADDING ANY WATER.

Code Sections *2015 International swimming pool and spa code, **2015 Michigan Residential Code

Definitions E4201.2**

PERMANANTLY INSTALLED SWIMMING, WADING, IMMERSION AND THERAPEUTIC POOLS.

Those that are constructed in the ground or partially in the ground, and all others capable of holding water with a depth greater than 42 inches (1067 mm), and all pools installed inside of a building, regardless of water depth, whether or not served by electrical circuits of any nature.

SELF-CONTAINED SPA OR HOT TUB. A factory-fabricated unit consisting of a spa or hot tub vessel with all water circulating, heating and control equipment integral to the unit. Equipment may include pumps, air blowers, heaters, luminaires, controls and sanitizer generators.

SPA OR HOT TUB. A hydromassage pool, or tub for recreational or therapeutic use, not located in health care facilities, designed for immersion of users, and usually having a filter, heater, and motor-driven blower. They are installed indoors or outdoors, on the ground or supporting structure, or in the ground or supporting structure. Generally, a spa or hot tub is not designed or intended to have its contents drained or discharged after each use.

STORABLE SWIMMING, WADING OR IMMERSION POOLS; OR STORABLE/PORTABLE SPAS AND HOT TUBS. Those that are constructed on or above the ground and are capable of holding water with a maximum depth of 42 inches (1067 mm), or a pool with nonmetallic, molded polymeric walls or inflatable fabric walls regardless of dimension.

Permits

The State of Michigan requires permits for swimming pools, hot tubs and spas under the 2015 Michigan Residential Code through 1972 PA230 as amended, being MCL 125.1501, the Stiles-DeRossett-Hale Single State Construction Code Act.

1. R105.1** Building permits are required for all swimming pools, hot tubs and spas that are capable of maintaining a water level of 24 inches (61 cm) deep or deeper.
2. Electrical permits are required for all swimming pool, hot tub, and spa installations (permanent or portable) that must have electrical circuits installed. All electrical wiring must comply with Chapters 34 through Chapter 43 of the 2015 Michigan Residential Code.
3. Mechanical permits are required when a swimming pool heater is being installed.
4. Plumbing permits are required when the swimming pool or spa has an automatic fill system connected to a potable water supply.

Required Inspections

SITE INSPECTION:

1. A site inspection will be made by a building inspector when the swimming pool area has been properly staked and a 2ft. X 2ft. (61 cm X 61 cm) board has been placed near the road, by the end of the driveway for posting of the permit. The building permit will not be issued until this inspection has been completed.

UNDERGROUND AND BONDING INSPECTIONS:

1. A Building inspection is required if the vacuum relief system is a vent piping system. That piping system must be inspected before the area has been backfilled for verification of its proper installation.
2. An Electrical inspection must be obtained after all electrical equipment, wiring, conduits, bonding wires, and/or other work, that is intended to be buried or covered, has been installed, but before it is covered by water, dirt or concrete.
3. A Mechanical inspection must be obtained after all mechanical piping and/or equipment has been installed underground, such as gas piping. Piping must be capped or otherwise protected, but before it is covered by dirt or concrete. A gas piping pressure test must be done and either witnessed by an inspector or an affidavit provided.
4. A Plumbing inspection must be obtained after all plumbing piping and/or equipment has been installed underground, such as automatic water filling. The piping must be capped or otherwise protected, but before it is covered by dirt or concrete.

FINAL INSPECTIONS:

1. An Electrical inspection must be obtained after all electrical equipment, wiring, boxes, switches, receptacles, conduits, fixtures and/or other work related to the installation of electrical equipment has been installed, including any electronic atmospheric vacuum relief system, and put into service, but before the building inspector conducts the final building inspection.
2. A Mechanical inspection must be obtained after all mechanical equipment has been installed and put into service, but before the building inspector conducts the final building inspection.
3. A Plumbing inspection must be obtained after all plumbing equipment has been installed and put into service, but before the building inspector conducts the final building inspection.
4. A Building inspection is required after the electrical, mechanical and/or plumbing inspections have been completed and approved, all concrete has been placed, all entrapment equipment has been installed and tested, and all permanent fencing has been installed (See 305.1*).

Building Code Rules

Hot Tubs, Portable Spas and Swimming Pools are defined by the building code as any structure that contains water 24 inches (61 cm) or deeper that is intended for swimming or recreational bathing.

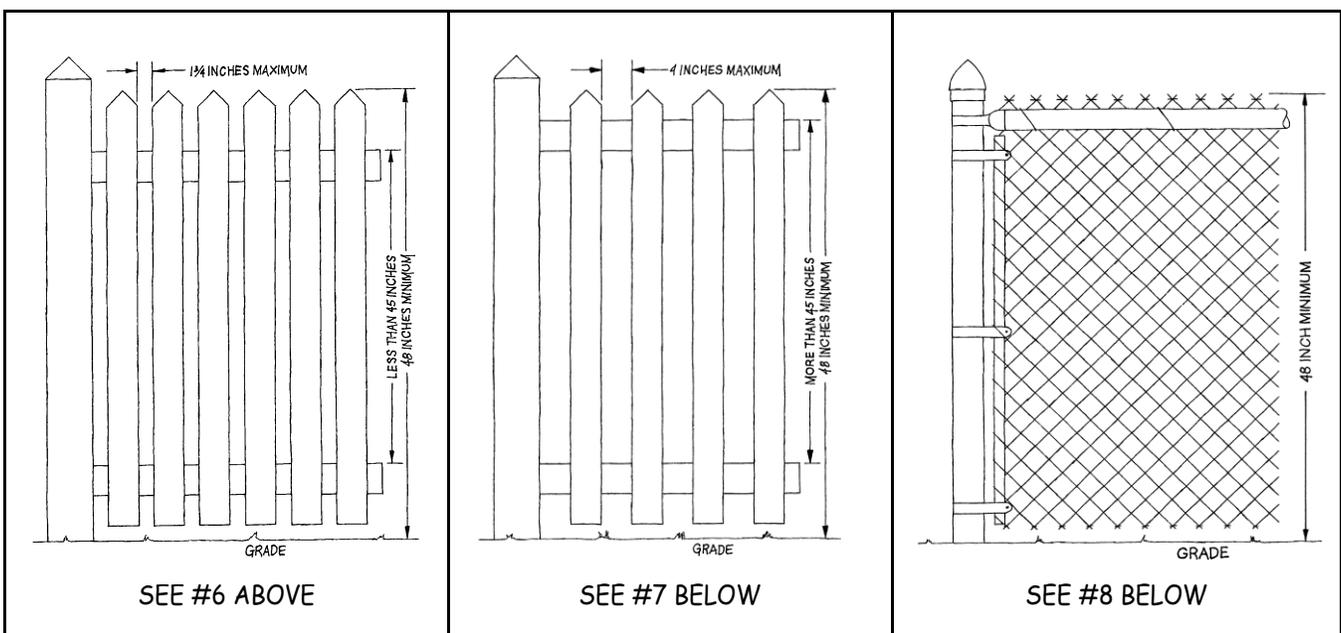
Portable Hot Tubs and Spas are defined by the building code as a non-permanent structure that contains its own controls, water heating and water circulating equipment and is intended for recreational bathing.

Section 305.1* explains that these requirements are intended to control the design and placement of residential swimming pools, hot tubs and spas, and that the reasoning behind these requirements is to provide protection from potential drowning and near-drowning by restricting the access to the area around swimming pools, hot tubs and spas.

Fencing & Wall Requirements

Section 305.2* says that any outdoor swimming pool that is in the ground, on the ground or above the ground and, any hot tub or spa must be provided with some type of a barrier that complies with the following:

1. Measuring on the side of the fence or wall that faces away from the swimming pool, the top of the fence or wall must be at least 48 inches (122 cm) above the ground for a distance of 3 feet horizontally from the barrier. 305.2.1(1)*
2. Measuring on the side of the fence or wall that faces away from the swimming pool, the maximum distance between the ground and the bottom of the fence or wall must not be greater than 2 inches (51 mm). 305.2.2(2)*
3. If the top of the pool is above the ground, like an above ground swimming pool, the fence or wall may be built on the ground, or it may be mounted on top of the swimming pool structure. If the fence or wall is mounted on top of the swimming pool structure, the maximum distance between the top of the swimming pool structure and the bottom of the fence or wall shall not be greater than 4 inches (10 cm). 305.2.1(4)*
4. If there are any openings in the fence or wall, they must be small enough to prevent the passage of a 4 inch (10 cm) sphere. 305.2.2*
5. Solid barriers that do not have any openings, like a concrete block or stone wall must not have any indentations or protrusions that could be used as steps or hand holds. 305.2.3*
6. When the barrier, like a fence, is made up of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (143 cm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between the vertical members shall not be more than $1\frac{3}{4}$ inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1\frac{3}{4}$ inches (44 mm) in width. 305.2.5*



7. When the barrier is made up of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (114 cm) or more, the spacing between the vertical members shall not be more than 4 inches (10 cm) in width. When decorative cutouts are made in the vertical members, the spacing inside the cutouts cannot exceed $1\frac{3}{4}$ inches (44 mm) in width. 305.2.6*
8. The maximum mesh size in a chain link fence must not be larger than 1 3/4" inches (44 mm) square unless the chain link fence has slats that are connected at the top or bottom of the fence that reduce the openings to $1\frac{3}{4}$ inches (44 mm). 305.2.7*
9. If the barrier is made up of diagonal members, such as a lattice fence, the largest opening made by the slats shall not be more than $1\frac{3}{4}$ inches and the members must be at a 45 degree angle. (44 mm). 305.2.8*
10. All gates must comply with 1 through 9 above, and they shall be installed with some type of locking device. Gates for people shall open outward away from the swimming pool, they must be self-closing and have some type of self-latching device. The release mechanism for the latch must be located on the pool side of the gate. 305.3*
11. If the latch is less than 54 inches (137 cm) above the bottom of the gate it must be at least 3 inches (76 mm) below the top of the gate, and, the gate and fence or wall shall not have any opening larger than $\frac{1}{2}$ inch (13 mm) within 18 inches (46 cm) of the gates release mechanism. 305.3.3*
12. 305.4* When the house is part of the fence or wall around a swimming pool or spa, one of the following conditions must be met:
 - A. The swimming pool has been equipped with a power safety cover that meets the requirements of ASTM F1346, or
 - B. All doors and windows with a sill height of less than 48 inches with direct access to the swimming pool area, must be equipped with an alarm that produces an audible warning when the window, door, or their screens are opened. The alarm shall be listed as a water hazard entrance alarm in accordance with UL 2017. The deactivation switches must be located at least 54 inches above the floor or
 - C. Some other type of protection that is approved by the Eaton County Construction Code Department. Something like a self closing door with a self latching device, this type of system might be approved as long as the protection is at least as good as, if not better than, the protection methods listed above.
10. When an above ground swimming pool structure is used as the fence or wall, or when the fence or wall is mounted on top of the above ground swimming pool structure, and the only access to the swimming pool is a ladder or steps, the ladder or steps must be able to be covered, locked in an un-usable position or removed to prevent their use, or, the ladder or steps must be surrounded by a fence or wall that meets the requirements in section 305.5*, Items 1 through 9. When the ladder or steps are covered, locked in an un-usable position, or removed, any openings created shall not allow the passage of a 4 inch (10 cm) diameter sphere. 305.5*

Fences and walls must be located in an area where other permanent structures, equipment or similar objects cannot be used to climb over the fence or wall. 305.2.9*

A spa or hot tub with a safety cover that complies with ASTM F1346 is exempt from the barrier provisions of this code. 305.1*

Entrapment Protection

All code references in this section are from APSP 7 unless otherwise indicated.

The 2015 international Swimming Pool and Spa Code as well as the Association of Pool and Spa Professionals (APSP) 7 require an entrapment avoidance system be installed on all pools, spas and hot tubs.

There are many ways to meet these requirements. The most common is a single skimmer type suction outlet with a vented lid. 704.9.3* There are also many variations utilizing submerged suction outlets. All submerged outlet covers are required to be listed for the purpose and marked. 4.3.1.1.

A single submerged un-blockable*** suction outlet is required to have a flow rate higher than the flow rating of the pump. 4.4.3

Dual submerged un-blockable*** suction outlets shall each have a flow rate higher than the flow rating of the pump. 4.4.5

Multiple un-blockable*** suction outlets must have a combined rating higher than the flow rating of the pump. 4.4.4

***Un-blockable means it cannot be completely blocked by an 18 inch by 23 inch blocking element and will allow enough water to pass so the remaining suction force will still allow a person to pull free. All un-blockable suction outlets must be listed or certified by a registered design professional.

Single blockable suction outlets are prohibited.

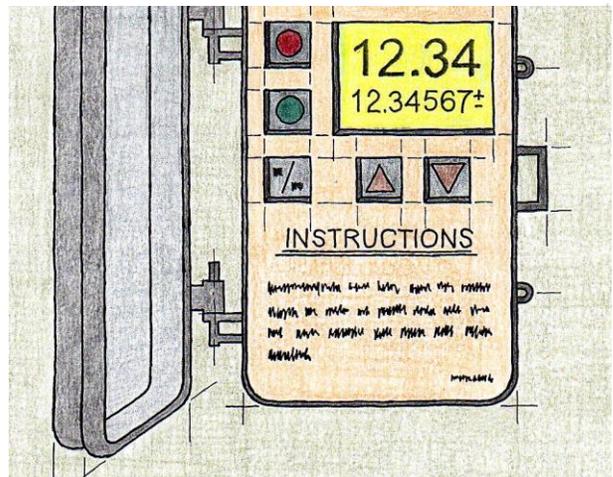
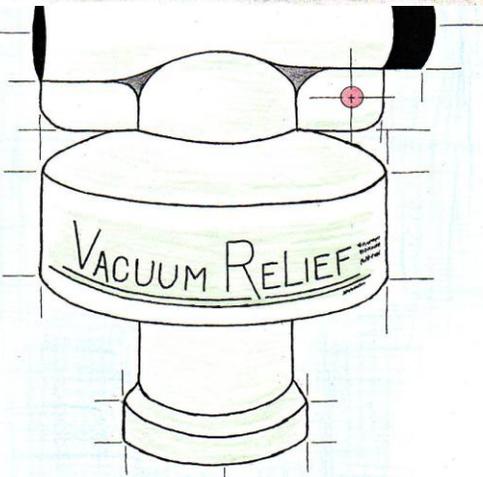
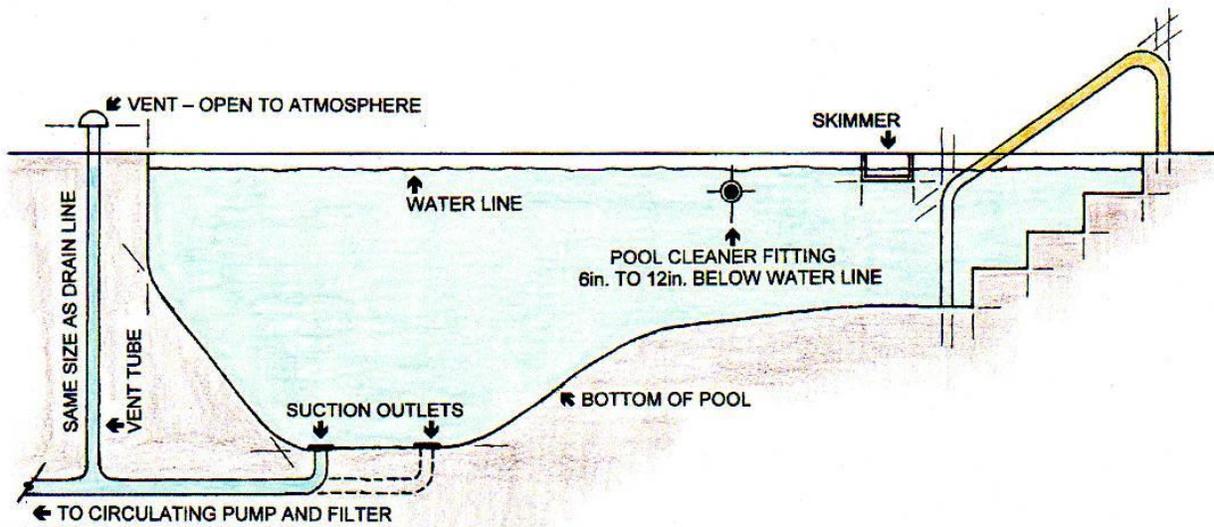
Dual blockable suction outlets must each have a rating higher than the flow rating of the pump. (4.4.5) They must also be separated by a minimum of 3 feet and may not be located in seating areas. 5.3.1

Multiple blockable suction outlets must have a combined rating (minus the outlet with the highest flow rating), higher than the flow rating of the pump. 4.4.6 They must also be separated by a minimum of 3 feet measured from the 2 outlets that are the furthest apart. 5.3.2

Wall vacuum fittings may not be located more than 12 inches below the water surface, must be self closing, self latching and have a valve to remain in the closed position when not in use. 4.6

Listed vacuum release and automatic pump shut off systems may also be used but, must first be approved by this department. 4.3.2 Suction limiting vent systems may be used in some cases but, must be engineered by a design professional. 5.4.2

Section 704.4 (above ground and storable pools) requires all suction outlets to be located where they will provide adequate circulation of the water in the swimming pool.



Electrical Requirements and Wiring Methods

See the definitions at the beginning of this guide to ensure you are following the correct wiring protocols.

Section E4202.1** tells us that all electrical equipment that has to do with permanently installed swimming pools, spas and hot tubs must be installed to meet the following requirements or the requirements in Table E4202.1** and Chapter 38 of the 2015 Michigan Residential Code and that storable swimming pools must comply with Section E4207** of the 2015 Michigan Residential Code.

NM cable and UF cable may not supply the required outlet for an outdoor pool motor, a spa, hot tub or panelboard that supplies power to these items other than within a building.

All exterior and underground wiring must be in an approved conduit.

EMT (Electrical Metallic Tubing) may only be used in or on a building and may not be buried.

ENT (Electrical non-metallic Tubing) may only be used within a building.

Liquid tight flexible metallic and non-metallic conduit are limited to only the length required to make the connection to a pool motor and is limited to 6 feet in length outside of a spa or hot tub.

MC cable may only be used within a building.

It also tells us that if a flexible cord is used with a swimming pool, spa or hot tub it must comply with the following:

1. Electrical equipment (except for underwater lighting fixtures) that is rated for 20 amperes, or less, may be connected to a flexible cord. The cord may not be any longer than 3 feet (92 cm) unless it is used with a storable swimming pool. The cord for a storable swimming pool must be factory installed. The cord must be copper wire with a 12 gage ground wire and have a grounding type attachment plug. E4202.2(1)**
2. Flexible cords that are part of a listed underwater swimming pool lighting fixture may be used between the lighting fixture and an approved electrical junction box. The flexible cord must be installed in a conduit, and splices in the wire must not be made inside the conduit. The cord must be copper wire with at least a 16 gage insulated ground wire. E4202.2(2)**
3. A packaged spa or hot tub installed outdoors that is listed and ground fault circuit interrupter (GFCI) protected may use a flexible cord and that cord must be plug connected. The cord may not be any longer than 15 feet (4.6 M). E4202.2(3)**
4. A packaged spa or hot tub installed indoors that is rated at 20 amperes or less, that is listed and ground fault circuit interrupter (GFCI) protected, may use a flexible cord and that cord must be plug connected. E4202.2(4)**

Section E4203** tells us where, what type, and when an electrical outlet is required.

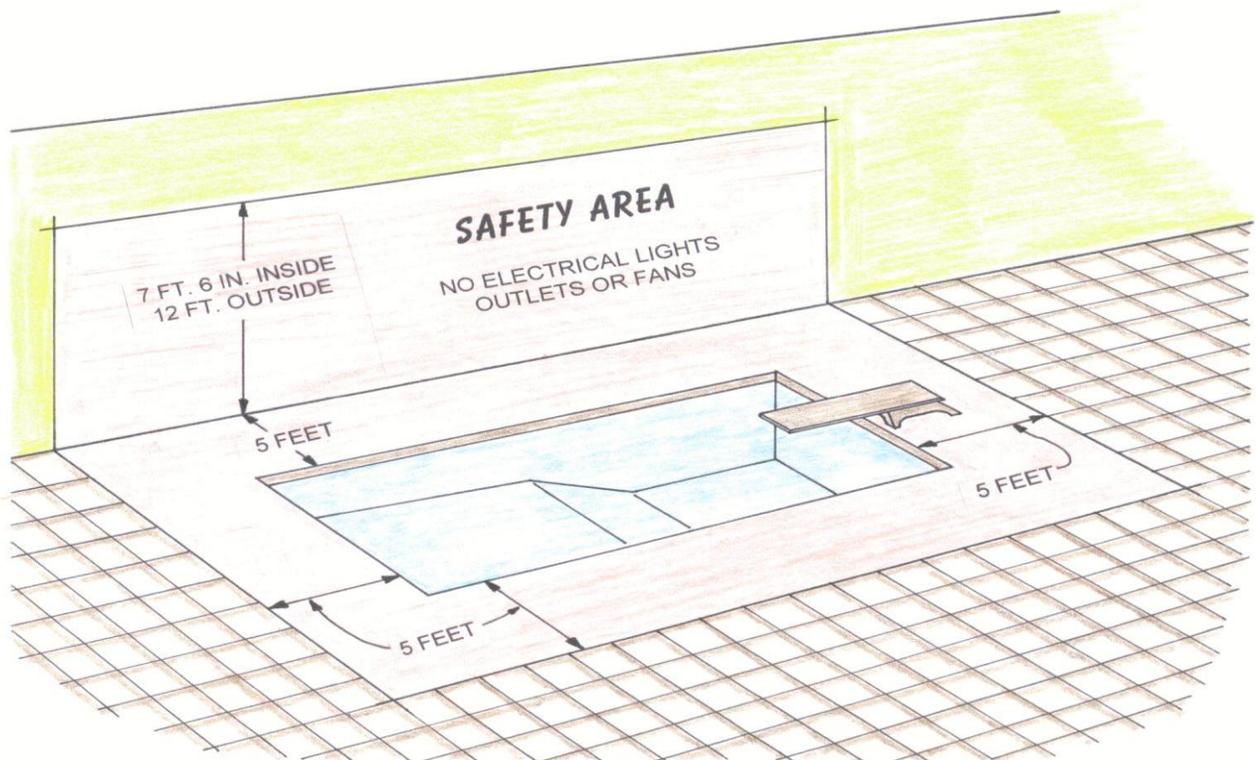
1. When installing an electrical outlet, it must be located so any cord that is plugged into it does not go through any fence, window, door opening or a hole in a wall. E4203.1**
2. If an electrical outlet is installed for a water pump motor or other type of sanitation equipment it may be located somewhere between 6 feet (183 cm) and 10 feet (305 cm) away from the inside edge of the swimming pool, hot tub or spa located outdoors as long as it is plugged into a single outlet that is ground fault circuit interrupter (GFCI) protected. E4203.1.1**
3. All other electrical outlets must be at least 6 feet (183 cm) from the inside edge of a swimming pool, hot tub or spa that is located outside. E4203.1.1**
4. At least one 125 volt 15 or 20 ampere ground fault circuit interrupter (GFCI) protected electrical outlet must be installed at least 6 feet (183 cm) away, but, not more than 20 feet (609 cm) away from the inside edge of any swimming pool, hot tub or spa located outdoors and within the pool enclosure (see section E4203.1**). The electrical outlet must not be any higher than 6 feet 6 inches (2 M) above the walking area serving the swimming pool, hot tub or spa. E4203.1.2**
5. At least one 125 volt 15 or 20 ampere ground fault circuit interrupter (GFCI) protected electrical outlet must be installed at least 6 feet (183 cm) away, but, not more than 10 feet (305 cm) away from the inside edge of an indoor hot tub or spa. It is not permitted to have any electrical outlets within 6 feet (152 cm) of the inside edge of an indoor hot tub or spa. E4203.1.4**
6. All receptacle outlets within 10' of an indoor spa or hot tub must be GFCI protected. E4203.1.5**

Section E4203.2** tells us that all electrical switches must be at least 5 feet (152 cm) away from the inside edge of any swimming pool, hot tub or spa, unless there is a fence, wall or other permanent barrier between the switch and the swimming pool, hot tub or spa.

Section E4203.3** explains that there must be a way to disconnect the electrical power to the swimming pool, hot tub or spa that is at least 5 feet (152 cm) away from the inside edge of the swimming pool, hot tub or spa, and it must be in an accessible area that is in sight of the swimming pool, hot tub or spa equipment.

Section E4203.4** tells us what type and where lighting fixtures and ceiling fans may be installed.

1. When a swimming pool, hot tub or spa is located outdoors, any lighting outlet, lighting fixture or paddle fan that is not at least 12 feet (3.7 M) above the water's surface must be at least 5 feet (152 cm) away from the water's edge. E4203.4.1.1**
2. When a swimming pool is located indoors, any lighting outlet, lighting fixture or paddle fan must comply with #1 above unless:
 - A. The lighting outlet or lighting fixture is an approved totally enclosed unit, and
 - B. The ceiling fan is listed for use under a porch or patio and
 - C. The lighting outlet, lighting fixture or paddle fan is protected by a ground fault circuit interrupter (GFCI), and
 - D. The lighting outlet, lighting fixture or paddle fan is located at least 7 feet, 6 inches (2.3 M) above the water's surface. E4203.4.2**
3. When a swimming pool, hot tub or spa is located in an area that has existing electrical equipment, that is located within 5 feet (152 cm) of the swimming pool, hot tub or spa it may remain, if, it is more than 5 feet (152 cm) above the water's surface, and rigidly connected to the structure, and the branch circuit supplying the equipment is protected with a ground fault circuit interrupter (GFCI). E4203.4.4**
4. When a hot tub or spa is located indoors, any lighting outlet, lighting fixture or paddle fan must comply with the following: E4203.4.5**
 - A. A lighting outlet, lighting fixture or paddle fan that is installed within 5 feet (152 cm) of the inside edge of the hot tub or spa it must be installed at least 7 feet, 6 inches (2.3 M) above the water's surface and must be protected by a ground fault circuit interrupter (GFCI).
 - B. A lighting fixture protected by a ground fault circuit interrupter (GFCI) may be installed closer to the water's surface if the following requirements are met:
 1. It is a recessed lighting fixture that has a glass or plastic lens, the trim is plastic or is electrically isolated and the fixture is listed for installation in a damp location, or
 2. It is a surface mounted lighting fixture that has a glass or plastic globe, the body of the fixture is plastic or isolated from any human contact and the fixture is listed for installation in a damp location.



Any existing light fixture located between 5 and 10 feet from the edge of an indoor hot tub or spa must be ground fault circuit interrupter (GFCI) protected. E4203.4.5**

Section E4203.6** tells us about the clearance requirements between a swimming pool, hot tub or spa and overhead wires, such as, the electrical service drop to the house or the wires that run from pole to pole. All of the following conditions must be met.

1. Swimming pools, hot tubs and spas, including their diving structures, observation stands, towers, platforms and other related structures must not be placed under or within 10 feet (305 cm) of any electrical service drop, unless the electrical service drop has an effectively grounded messenger wire or neutral conductor, is not more than 750 volts to ground and is at least 22.5 feet (6.7 M) above the water's surface.
2. Swimming pools, hot tubs and spas, including, their diving structures, observation stands, towers, platforms and other related structures must not be placed under or within 10 feet (305 cm) of any electrical supply or service drop, if the electrical conductors carry between 750 volts and 15,000 volts to ground, unless they are at least 25 feet (7.6 Meters) above the water's surface.
3. Swimming pools, hot tubs and spas, including, their diving structures, observation stands, towers, platforms and other related structures must not be placed under or within 10 feet (305 cm) of any network powered broadband communication systems, unless they are at least 22.5 feet above the water's surface.
4. Utility-owned, operated and maintained communications conductors, community antenna system coaxial cables and supporting messengers shall be permitted within 10 feet of swimming pools, hot tubs and spas, including their diving structures, observation stands, towers, platforms and other related structures.

All electrical wiring underground must be at least 5 feet (152 cm) away from the inside edge of a swimming pool, hot tub or spa, unless that electrical wiring is needed for electricity for the swimming pool, hot tub or spa. If it is impossible to place the electrical wiring outside of the 5 foot (152 cm) limit it may be installed closer to the swimming pool, hot tub or spa if, it is approved by the electrical inspector, and it is placed in an approved electrical conduit. E4203.7**

All electrical wiring must be buried to a depth of 18 inches (46 cm) unless it is installed in rigid metal or intermediate metal conduit or PVC covered by a concrete slab 4 inches thick, then it may be buried to a depth of only 6 inches (15 cm). E4203.7**

All parts of a swimming pool, hot tub, spa and all related parts and accessories must be bonded together (**CONNECTED BY A #8 SOLID COPPER WIRE**). E4204.2**

1. All metal parts of a swimming pool structure, which includes reinforcing mesh or rod that is used for the structure of the swimming pool, hot tub or spa, and the reinforcement in all decks and coping stones.
2. All forming shells and mounting brackets including those used for lighting fixtures. If the lighting fixture is a listed low voltage unit it is not required to be bonded.
3. All metal fittings attached to the swimming pool, hot tub or spa or fittings that extend into the water. The metal bands used to secure the staves on a hot tub or spa, are not required to be bonded.
4. All electrical equipment associated with a swimming pool, hot tub or spa must be bonded, unless that part is listed and double insulated. If the pump is double insulated a bond wire must be provided for any replacement pumps. This section also requires the bonding wire to be connected to the equipment grounding conductor of the motor circuit.
5. Anything that is metal and has the potential of carrying electricity that is within 5 feet (152 cm) of the inside edge of the pool and less than 12 feet (3.7 M) above the ground must be bonded. This includes, but is not limited to, metal buildings (including aluminum and steel siding), down spouts from rain gutters and chain link or welded wire fences.
6. Electric and gas fired swimming pool water heaters must be bonded and grounded according to the manufacturers installation instructions.
7. The surface around the pool whether concrete, stone, soil or other material. The surface bond must completely encircle the pool between 18 and 24 inches from the pool wall and be connected to the pool frame or coping at 4 equally spaced points.

The pool water must also be bonded. This is accomplished with the handrails or ladders that are installed and bonded as in #3 above or by a 9 square inch conductive surface in contact with the water. E4204.3**

The bonding wire must be at least a #8 solid copper wire. The wire does not have to be a continuous wire, but it must connect everything that is listed above together. The wire must be attached by approved connectors and continue back to the circulating pump and be terminated on the bonding lug located on the pump. E4204.5.1**

Section E4205** Tells us about grounding (THIS IS DIFFERENT THAN BONDING).

The following equipment must be grounded by at least a #12 copper wire:

1. Electrical equipment that is within 5 feet (152 cm) of the inside edge of a swimming pool, hot tub or spa.
2. Electrical equipment that is used for re-circulating the water of a swimming pool, hot tub or spa.
3. All metallic junction boxes and conduits.
4. Transformer enclosures.
5. All ground fault circuit interrupters (GFCI's).
6. Underwater lighting fixtures, unless they are listed low voltage systems.
7. Electrical service equipment that supplies electricity to any equipment that has anything to do with any part of a swimming pool, hot tub or spa.

For item #6 and item #7 the ground wire must be insulated and connected back to the service equipment.

If a non-metallic conduit is used between an underwater lighting fixture and a junction box or transformer enclosure, a #8 insulated copper ground wire must be installed inside the conduit and properly terminated at the lighting fixture and at the junction box or transformer enclosure.

The controllers, wiring and electric motors that open and close swimming pool covers must be at least 5 feet (152 cm) away from the inside edge of the swimming pool unless it is separated by a permanent fence or wall and must be protected by a ground fault circuit interrupter (GFCI). E4206.11**

An electric swimming pool heater's load must not exceed 48 amperes per circuit and, that circuit must be protected by a circuit breaker no larger than 60 amperes. E4206.12**

Storable Swimming Pools

All swimming pool filter pumps for storable swimming pools must be double insulated (or equivalent), cord connected, protected by a ground fault circuit interrupter (GFCI) and be grounded through the factory installed cord. This piece of equipment may not be connected to an extension cord. E4207.1**

All light fixtures for storable swimming pools must comply with Section E4207.3.1** for lights not over 15 volts and Section E4207.3.2** for light fixtures not over 150 volts. The lights must be non metallic (no metal parts), have an impact resistant lens and be protected by a ground fault circuit interrupter (GFCI).

Swimming Pool Check Sheet

1. **Building Permit Application:** A properly and completely filled out application, provided by this department.
2. **Zoning Referral:** If your project area IS NOT within the corporate boundaries of a City, Village, Windsor or Vermontville Township you will need a zoning referral obtained from the Eaton County Community Development Department indicating that your construction project complies with all applicable Eaton County zoning requirements. There is a charge for the zoning referral and it is only good for 6 months from the date it was issued. If the project area IS within the corporate boundaries of a City, Village, or Windsor Township, a zoning referral from that local unit of government is required. Zoning referrals are not required in a state approved manufactured home park.
3. **Septic and/or Well Permit/Review:** For all new buildings, and buildings that are adding bedrooms, or other additions (including porches), accessory buildings (pole barns, garages, sheds, etc.), **swimming pools (above and below ground)** or other structures that occupy additional land area must have a review of the existing sanitary facilities, or a permit for a septic and/or well permit from the Barry-Eaton District Health Department, or a letter of commitment from a municipal water and/or sewer provider, is required. Beginning June 1, 2004 documented approval of the well and septic system by the Barry-Eaton Health Department will be required.
4. **Soil Erosion Permits:** If you are disturbing any soil within 500 feet (153 M) of an open watercourse or drain, check with the Eaton County Drain Commissioner.
5. **Site Plan:** A **SCALED** site plan, also required by the Community Development Department, showing property lines (with dimensions). Show the exact location and dimensions of all building(s) (existing and proposed) and their

distance from each property line and each other. Show the location of the swimming pool with dimensions to all surrounding buildings and the location of the required safety fence. Show the driveway location and give a dimension to the nearest side property line. The plan shall give the distance from one of the property corners to the nearest section or quarter section line (**IN FEET**). The plan shall also specify the scale of the drawing (any acceptable engineering scale) and the top of the drawing shall always be North.

6. **Drawings:** One copy of the swimming pool specifications and installation instructions, and the specifications and drawings for all required fences, showing details of all gates and latching devices (new or existing). If the house is to be used as part of the safety barrier for the swimming pool, show the location of all doors that will lead to the pool area, and provide details on how the doors will be protected.
7. **Proof of Ownership/Legal Description:** A copy of the legal description of the parcel, a property code number and a boundary line survey is required. If the property was split after March 31, 1997 and no property code number has been assigned you will also need to provide a copy of a certified, recorded boundary line survey and a recorded deed or land contract showing proof of ownership. The survey must show the original parcel and all new splits. All splits must be approved **IN ADVANCE** by the Eaton County Equalization Department.
8. **Signed Contract:** A copy of a signed contract between the applicant and a licensed contractor if the contractor is making application for the permit, or if the owner makes application and designates a contractor.
9. **Trade Permits:** You will be required to obtain an electrical permit for all work related to the installation of the swimming pool. If the swimming pool is to be heated, a mechanical permit will be required. If the swimming pool will have an automatic filling device for the water, a plumbing permit will be required.

THIS HANDOUT IS FOR INFORMATIONAL PURPOSES ONLY. SPECIAL CARE HAS BEEN TAKEN TO ENSURE THAT THE CODE SECTIONS AND REQUIREMENTS LISTED ABOVE REFLECT CURRENT STATE AND LOCAL CODES. ANY ERRORS OR OMISSIONS IN THIS HANDOUT DOES NOT ELIMINATE THE RESPONSIBILITY OF THE SWIMMING POOL OWNER OR CONTRACTOR FROM COMPLYING FULLY WITH ALL APPLICABLE CODE REQUIREMENTS.

Eaton County
Department of Construction Codes
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