

SWIMMING POOL FACT SHEET AND CHECKLIST

Swimming pools are considered an accessory building for the purposes of complying with the zoning ordinance. This means that the pool will have to meet all applicable regulations that a garage would – such as sideyard and rear yard setbacks and maximum lot coverage. This fact sheet is intended to be used as a guide and checklist prior to seeking a building and/or zoning permit.

- The pool must meet all applicable side yard and rear yard setbacks for the zoning district in which it is located. Pools are not permitted in the front yard. No pool is permitted in an easement.
- Service drop conductors and any other open overhead wiring shall not be installed above a swimming pool.
- All yard areas with pools are to be fenced as follows:
 - Fencing must be at least 4 feet and equipped with a self-closing and self-latching gate. Latching devices must be at least 3 feet above the ground.
 - Fencing may be omitted where building walls without doorways abut the pool area, provided that the entire perimeter of the pool is secured.

No lights shall be erected, operated or maintained in connection with a swimming pool in such a manner as to create a disturbance to surrounding properties. All pools shall be kept clean and the water used there shall be filtered and sterilized by chlorination and in general in conformance with any State, County or local health standards.

When seeking a permit, you should bring the following information:

- A legible plot plan showing the proposed location of the pool, fencing, gates and all other existing structures on the site
- The manner of supervision of the pool

ARTICLE 5
SUPPLEMENTAL REGULATIONS
POOLS

Pools used for swimming or bathing in all districts: Pools used for swimming or bathing and all fences, gates or other barrier around them shall be in conformity with the State Construction Code, as amended.

1. Swimming pools shall conform to the yard setback requirements as required for accessory uses and structures in this Ordinance.
2. No swimming pool shall be located over a septic system, drain field, or on any area designated by the Shiawassee County Health Department as reserved for a replacement drain field unless approved by the Shiawassee County Health Department.
3. No lights shall be erected, operated or maintained, in connection with a swimming pool in such a manner as to create a nuisance or hazard to nearby properties.
4. Service drop conductors and any other open overhead wiring shall not be located above a swimming pool.
5. No swimming pool shall be used unless adequate public health measures are periodically taken to ensure that use of the pool will not cause the spread of disease.
6. Swimming pools in R-T and R-M1 Districts are permitted as part of a mobile home subdivision, mobile home park, or multiple-family development, but not on individual lots within the mobile home park, mobile home subdivision, or multiple-family development.

APPENDIX G

SWIMMING POOLS, SPAS AND HOT TUBS

SECTION AG101 GENERAL

AG101.1 General. The provisions of this appendix shall control the design and construction of swimming pools, spas and hot tubs installed in or on the lot of a one- or two-family dwelling.

SECTION AG102 DEFINITIONS

AG102.1 General. For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2.

ABOVE-GROUND/ON-GROUND POOL. See "Swimming pool."

BARRIER. A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

HOT TUB. See "Swimming pool."

IN-GROUND POOL. See "Swimming pool."

RESIDENTIAL. That which is situated on the premises of a detached one- or two-family dwelling or a one-family townhouse not more than three stories in height.

SPA, NONPORTABLE. See "Swimming pool."

SPA, PORTABLE. A nonpermanent structure intended for recreational bathing, in which all controls, water-heating and water-circulating equipment are an integral part of the product.

SWIMMING POOL. Any structure intended for swimming or recreational bathing that contains water over 24 inches (610 mm) deep. This includes in-ground, above-ground and on-ground swimming pools, hot tubs and spas.

SWIMMING POOL, INDOOR. A swimming pool which is totally contained within a structure and surrounded on all four sides by the walls of the enclosing structure.

SWIMMING POOL, OUTDOOR. Any swimming pool which is not an indoor pool.

SECTION AG103 SWIMMING POOLS

AG103.1 In-ground pools. In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5 as listed in Section AG108.

AG103.2 Above-ground and on-ground pools. Above-ground and on-ground pools shall be designed and constructed in conformance with ANSI/NSPI-4 as listed in Section AG108.

SECTION AG104 SPAS AND HOT TUBS

AG104.1 Permanently installed spas and hot tubs. Permanently installed spas and hot tubs shall be designed and constructed in conformance with ANSI/NSPI-3 as listed in Section AG108.

AG104.2 Portable spas and hot tubs. Portable spas and hot tubs shall be designed and constructed in conformance with ANSI/NSPI-6 as listed in Section AG108.

SECTION AG105 BARRIER REQUIREMENTS

AG105.1 Application. The provisions of this chapter shall control the design of barriers 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.

AG105.2 Outdoor swimming pool. An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm).
2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere.
3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. 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 (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1³/₄ inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1³/₄ inches (44 mm) in width.

5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1\frac{3}{4}$ inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a $2\frac{1}{4}$ -inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than $1\frac{3}{4}$ inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than $1\frac{3}{4}$ inches (44 mm).
8. Access gates shall comply with the requirements of Section AG105.2, Items 1 through 7, and shall be equipped to accommodate a 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 release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:
 - 8.1. The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate; and
 - 8.2. The gate and barrier shall have no opening larger than $\frac{1}{2}$ inch (13 mm) within 18 inches (457 mm) of the release mechanism.
9. Where a wall of a dwelling serves as part of the barrier, one of the following conditions shall be met:
 - 9.1. The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346; or
 - 9.2. Doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed in accordance with UL 2017. The audible alarm shall activate within 7 seconds and sound continuously for a minimum of 30 seconds after the door and/or its screen, if present, are opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as touch pad or switch, to temporarily deactivate the alarm for a single opening. Deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
 - 9.3. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the governing body, shall be acceptable so long as the degree of protection afforded

is not less than the protection afforded by Item 9.1 or 9.2 described above.

10. 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:
 - 10.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
 - 10.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter (102 mm) sphere.

AG105.3 Indoor swimming pool. Walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

AG105.4 Prohibited locations. Barriers shall be located to prohibit permanent structures, equipment or similar objects from being used to climb them.

AG105.5 Barrier exceptions. Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in section AG107 of the code, shall be exempt from the provisions of sections AG105.2, AG105.3, and AG105.4 of the code.

R 408.30547

SECTION AG106 ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS

AG106.1 General. Suction outlets shall be designed to produce circulation throughout the pool or spa. Single-outlet systems, such as automatic vacuum cleaner systems, or multiple suction outlets, whether isolated by valves or otherwise, shall be protected against user entrapment.

AG106.2 Suction fittings. Pool and spa suction outlets shall have a cover that conforms to ANSI/ASME A112.19.3M, or an 18 inch \times 23 inch (457 mm by 584 mm) drain grate or larger, or an approved channel drain system.

Exception: Surface skimmers

AG106.3 Atmospheric vacuum relief system required. Pool and spa single- or multiple-outlet circulation systems shall be equipped with atmospheric vacuum relief should grate covers located therein become missing or broken. This vacuum relief system shall include at least one approved or engineered method of the type specified herein, as follows:

1. Safety vacuum release system conforming to ASME A112.19.17; or
2. An approved gravity drainage system.

AG106.4 Dual drain separation. Single or multiple pump circulation systems shall be provided with a minimum of two suction outlets of the approved type. A minimum horizontal or vertical distance of 3 feet (914 mm) shall separate the outlets. These suction outlets shall be piped so that water is drawn through them simultaneously through a vacuum-relief-protected line to the pump or pumps.

AG106.5 Pool cleaner fittings. Where provided, vacuum or pressure cleaner fitting(s) shall be located in an accessible position(s) at least 6 inches (152 mm) and not more than 12 inches (305 mm) below the minimum operational water level or as an attachment to the skimmer(s).

UL
 UL2017-2000 Standard for General-purpose Signaling Devices and Systems—with Revisions through June 2004. AG105.2

**SECTION AG107
 ABBREVIATIONS**

AG107.1 General.

- ANSI**—American National Standards Institute
 11 West 42nd Street, New York, NY 10036
- ASME**—American Society of Mechanical Engineers
 Three Park Avenue, New York, NY 10016-5990
- ASTM**—ASTM International
 100 Barr Harbor Drive, West Conshohocken, PA 19428
- NSPI**—National Spa and Pool Institute
 2111 Eisenhower Avenue, Alexandria, VA 22314
- UL**—Underwriters Laboratories, Inc.
 333 Pfingsten Road, Northbrook, Illinois 60062-2096

**SECTION AG108
 STANDARDS**

AG108.1 General.

ANSI/NSPI

- ANSI/NSPI-3-99 Standard for Permanently Installed Residential Spas.** AG104.1
- ANSI/NSPI-4-99 Standard for Above-ground/On-ground Residential Swimming Pools** AG103.2
- ANSI/NSPI-6-99 Standard for Residential Portable Spas** AG104.2
- ANSI/NSPI-5-2003 Standard for Residential In-ground Swimming Pools.** AG103.1
- ANSI/ASME A 12.19.8 M-1987(R1996) Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, Hot Tubs and Whirlpool Bathing Appliances** AG106.2

ASTM

- ASTM F 1346-91 (2003) Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs** AG105.2, AG105.5

ASME

- ASME A 112.19.17 Manufacturers Safety Vacuum Release Systems (SVRS) for Residential and Commercial Swimming Pool, Spa, Hot Tub and Wading Pool.** AG106.3

SWIMMING POOL

Electricity and water don't mix. In addition to the hazards created by wiring and equipment, pools also require bonding to eliminate voltage gradients even when there is no electrical equipment in the pool area.

Overhead Clearances	1999	2002
<input type="checkbox"/> Triplex service drop above or within 10ft. of pool must have clearance of [22ft.] [22.5 ft.] in any direction from water [T680-8]		[680.8A]
<input type="checkbox"/> Clearance from diving platform [14ft.] [14.5ft.] [T680-8]		[680.8A]

Wiring		
<input type="checkbox"/> No nonpool underground wiring <5ft. of pool [680-10]		[680.10]
<input type="checkbox"/> Nonpool conduit OK if space limited & RMC or IMC min. 6in. deep or RNMC 18in. cover [680-10]		[680.10]
<input type="checkbox"/> New feeder must be in RMC, IMC, LFNMC, or PVC F93 [680-25d]		[680.25A]
<input type="checkbox"/> Existing feed of cable or flex OK if containing covered or insulated EGC [680-25d]		[680.25A]
<input type="checkbox"/> EMT OK for feeder on or within bldg [680-25d]		[680.25A]
<input type="checkbox"/> Branch circuit must be RMC, IMC, LFNMC, or PVC [680-25b2]		[680.25A]
<input type="checkbox"/> EMT OK for branch circuit on or within bldg [680-25b3]		[680.21A2]
<input type="checkbox"/> Motor connection OK in LFMV or LFNMC [680-25c]		[680.21A3]
<input type="checkbox"/> Motors inside of SFD all approved wiring methods OK [680-25c]		[680.21A4]

Bonding		
<input type="checkbox"/> Bond all parts of pool structure & equip [F91] [680-22a]		[680.26B]
<input type="checkbox"/> Lane rings <4in. & <1in. penetration exempt [680-22a3]		[680.26B3]
<input type="checkbox"/> Bond pool motors unless listed & double insulated [680-22a4]		[680.26B4]
<input type="checkbox"/> Bonding conductor min. #8 solid CU [680-22b]		[680.26C]

Grounding		
Grounding conductors for pool-related equipment are especially important to prevent elevated voltage potential and to clear faults. Because of their importance, and the potential corrosive environments, they must be insulated and must terminate on terminals, not in wire nuts.		
<input type="checkbox"/> Min. size circuit EGC 12AWG [680-25b1,d]		[680.23F2]
<input type="checkbox"/> No splice (must land on terminals) [F93] [680-25b4,d]		[680.23F2]
<input type="checkbox"/> New feeders must be insulated EGC [F93] [680-25d]		[680.25B]

Underwater Wet-Niche Lighting		
<input type="checkbox"/> Min. 18in. below water level [F92] [680-20a3]		[680.23A5]
<input type="checkbox"/> Fixture bonded and secured to shell with locking device requiring a tool for removal [680-20b3]		[680.23B5]
<input type="checkbox"/> Low voltage must be from pool-listed transformer [680-5a]		[680.23A2]
<input type="checkbox"/> Segregate low voltage wires from line voltage [680-5c]		[680.23F3]
<input type="checkbox"/> Over 15V must be GFCI protected [680-20a1]		[680.23A3]
<input type="checkbox"/> Segregate GFCI protected wires from non-GFCI [680-5c]		[680.5]
<input type="checkbox"/> LFNMC or PVC to niche req's #8 insulated EGC [680-20b1]		[680.23B2]
<input type="checkbox"/> Connections in wet niche must be potted [680-20b1,2]		[680.23B4]
<input type="checkbox"/> Insulated CU EGC [680-25b2]		[680.23F2]
<input type="checkbox"/> Min. 16AWG EGC in cord to wet-niche fixt [F93] [680-25b5]		[680.23B3]
<input type="checkbox"/> Junction boxes same as no-niche fixt [680-20b1]		[680.23B2]

Junction Boxes Supplying Wet-Niche Fixtures		
<input type="checkbox"/> Must be listed for pools [680-21a1]		[680.24A1]
<input type="checkbox"/> Min. height 4in. above deck & 8in. above water [F92] [680-21a5]		[680.24A2]
<input type="checkbox"/> Min. 4ft. from pool edge or separated by permanent barrier [F92] [680-21a5]		[680.24A2]

Receptacles		
<input type="checkbox"/> Min. one recep at least 10ft. and <20ft. from pool walls [680-6a2]		[680.22A3]
<input type="checkbox"/> Reduction to not <5ft. OK if space restricted [n/a]		[680.22A4]
<input type="checkbox"/> Pump motor recep not <5ft. OK if twist-lock single recep with GFCI protection [680-6a1]		[680.22A1]
<input type="checkbox"/> Dimensions include distance around perm. barriers [680-6]		[680.22A6]
<input type="checkbox"/> Recept within 20ft. GFCI protected exc inside house [680-6a3]		[680.22A5]

Lighting Outlets	1999	2002
<input type="checkbox"/> GFCI for lights >5ft. & <10ft. from pool and <5ft. above [680-6b2]		[680.22B4]
<input type="checkbox"/> Outdoors no lights <5ft. from pool unless ≥12ft. above [680-6b]		[680.22B1]
<input type="checkbox"/> Existing fixt on structure OK <5ft. if GFCI protected and >5ft. above water [680-6b2]		[680.22B3]
<input type="checkbox"/> Indoors 7ft. 6in. above water OK if enclosed & GFCI [680-6b3]		[680.22B2]

HOT TUB/SPA

Outdoor hot tubs or spas follow the same rules as swimming pools. There are also additional specific rules as shown below for all hot tubs and for indoor hot tubs. A hydromassage tub (p. 24) is not a spa, because it is emptied after each use.

General		
<input type="checkbox"/> GFCI-protected package unit OK for cord up to 15ft. [680-40a]		[680.42A2]
<input type="checkbox"/> Bond all metal within 5ft.—see "bonding" [680-22a,41d]		[680.26B3]
<input type="checkbox"/> Bands to secure staves exempt from bonding [680-40b]		[680.42B]
<input type="checkbox"/> GFCI protect all outlets that supply spa equip EXC		
<input type="checkbox"/> Listed package spa with integral GFCI OR		
<input type="checkbox"/> Combination pool and spa or hot tub [680-42]		[680.44]

Indoors		
<input type="checkbox"/> Min. one recep. ≥5ft. & ≤10ft. from inside wall of spa [680-41a]		[680.43A1]
<input type="checkbox"/> GFCI protect all recepts ≤10ft. from inside wall of spa [680-41a2]		[680.43A2]
<input type="checkbox"/> No wall switches <5ft. from inside wall of spa [680-41c]		[680.43C]
<input type="checkbox"/> Fixt 7ft. 6in. above water OK if enclosed & GFCI [680-41b2]		[680.43B1]

Fig. 91 Pool Bonding Grid

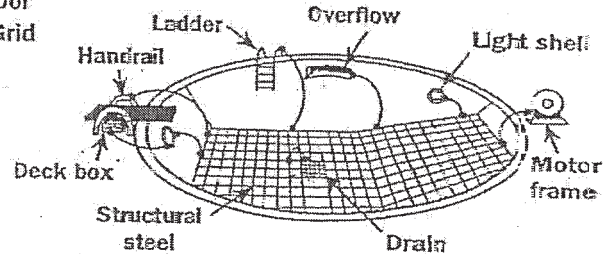


Fig. 92 Underwater Pool Lighting

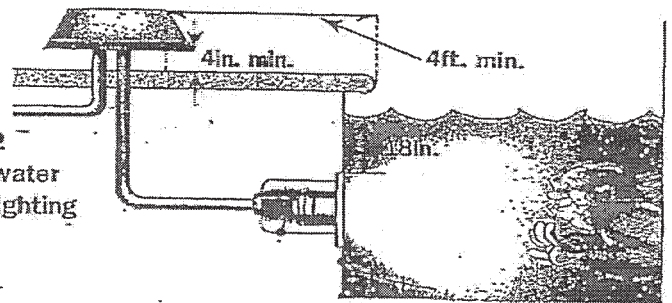
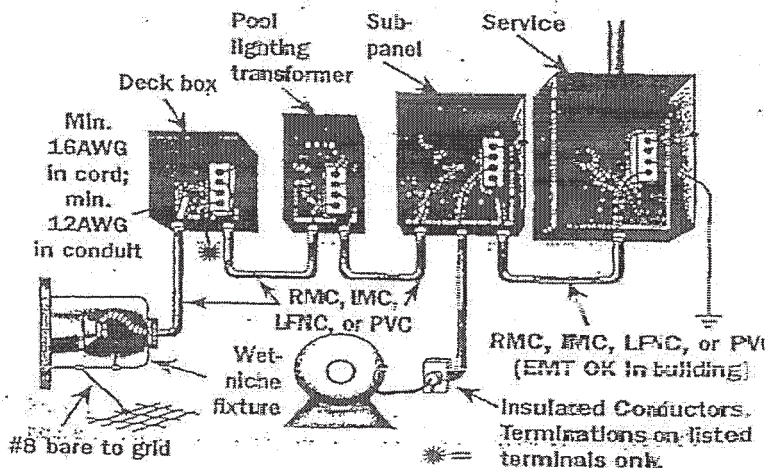


Fig. 93 Pool Equipment Grounding



Swimming Pool Barriers

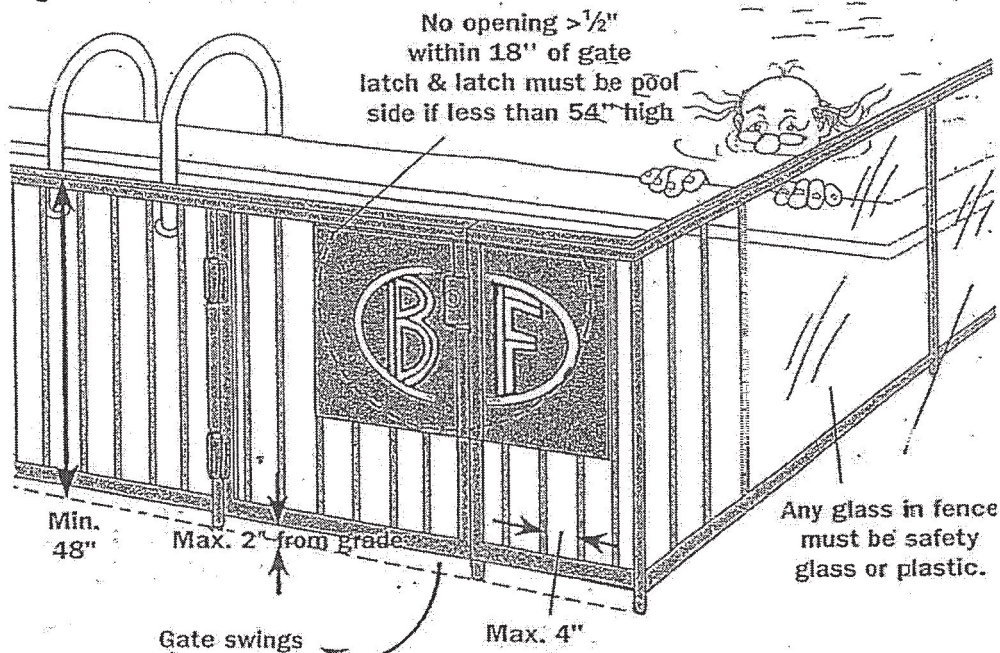
The Consumer Product Safety Commission has reported that drowning is the leading cause of accidental death in and around the home for children under the age of 5 years in California, Arizona, and Florida. Seventy five percent of the children involved in swimming pool submersion or drowning accidents are between 1 and 3 years old. Victims had been missing for five minutes or less when they were found in the pool drowned or submerged. Other bodies of water, such as fish ponds and fountains, have the same potential drowning hazards as pools.

General

IRC

- Applies to all pools or spas >24in. deep[AG102]
- Fence min. 48in. highF80[AG105.2]
- Gap under fence max 2in. above grade {4in. if concrete}F-xx [AG105.2] {421.1#1}
- Bottom max 4in. above pool structure when mounted on top of pool[AG105.2]
- Max opening size must prevent passage of 4in. sphereF80[AG105.2]
- Difficult to climb over (no ladder type rails)F80[AG105.2]
- Chain link max. 1¼sq.in. mesh unless filled with slats [AG105.2]
- Gate lockable, self-closing, open away from pool ..F80[AG105.2]
- If latch <54in. high: Must be poolside & min. 3in. below top[AG105.2]
- No openings >½in. within 18in. of latch[AG105.2]
- Doors & screens with direct pool access req. alarm audible for 30 seconds throughout house[AG105.2]
- Alarm control min. 54in. high, must reset automatically EXC[AG105.2]
- Doors from interior w/self close and release ≥54in. above floor[AG105.2X1]
- If above ground pool ladder or steps must be lockable or barrier[AG105.2]
- Safety glazing req'd for glass enclosing poolF80[308.4]

Fig. 80 • Pool Barriers



APPLICATION for a ZONING PERMIT

City of Laingsburg
 114 N Woodhull
 P.O. Box 178
 Laingsburg, Mi 48848
 Phone: (517) 651-5374 • Fax: (517) 651-5512
 Email: clerk@laingsburg.us

App. Date: _____ Receipt # _____ Fee: \$ _____ Permit # _____

Review Date: _____ Approved Denied By: _____

Property Address/Location		Applicant (if not Owner)		
Address/Street: _____		Name: _____		
Nearest Cross Rd.: _____		Address: _____		
Township: _____		City/State/Zip: _____		
Parcel Number: _____		Phone: _____		
Zoning District: _____		Fax/Email: _____		
Owner Information		If New Construction or Addition		
Name: _____		Please Attach All That Apply: <input type="checkbox"/> Land Division Certificate <input type="checkbox"/> Survey <input type="checkbox"/> Proof of Ownership <input type="checkbox"/> Septic Permit # _____ Well Permit # _____ <input type="checkbox"/> Driveway Permit <input type="checkbox"/> Soil Erosion Permit <input type="checkbox"/> New Address <input type="checkbox"/> New Sewer Connection		
Address: _____				
City/State/Zip: _____				
Phone: _____				
Fax/Email: _____				
Type of Request		Yes	No	For All Applications
<input type="checkbox"/>	Principal Structure	<input type="checkbox"/>	<input type="checkbox"/>	Did you attach a "Site Plan Drawing"?
<input type="checkbox"/>	Accessory Structure	<input type="checkbox"/>	<input type="checkbox"/>	Are you making grade (earth) changes?
<input type="checkbox"/>	Agricultural Structure	<input type="checkbox"/>	<input type="checkbox"/>	Is your project within 500 ft. of surface water?
<input type="checkbox"/>	Temporary Structure/Use	<input type="checkbox"/>	<input type="checkbox"/>	Is this site currently violating the Ordinance?
<input type="checkbox"/>	Demolition Permit			
<input type="checkbox"/>	Sign			
<input type="checkbox"/>	Home Occupation			For Sign Permits Only
<input type="checkbox"/>	Fence			Type of Business: _____
<input type="checkbox"/>	Deck or Porch			Total display area in square feet: _____
<input type="checkbox"/>	Pool			Proposed setback from Right-of-Way: _____
<input type="checkbox"/>	Solar			Sign height: _____ Sign purpose: _____
<input type="checkbox"/>	Outdoor Solid Fuel Furnace			Type: <input type="checkbox"/> Pole <input type="checkbox"/> Ground <input type="checkbox"/> Wall <input type="checkbox"/> Other
<input type="checkbox"/>	Shared Driveway			Height and width of wall: _____
<input type="checkbox"/>	Buildable Lot Study			Attach Sign drawing showing copy <input type="checkbox"/>
<input type="checkbox"/>	Hazardous Material Storage			
<input type="checkbox"/>	Other: _____			
Describe Proposed Building or Land Use:				

AFFIDAVIT OF COMPLIANCE

I am the owner of, or the authorized agent of the owner, of the lot (parcel of land) described and shown on the attached site plan. I am familiar with the Shiawassee County Zoning Ordinance, including the related laws listed in Section 16.5.3. I hereby attest based upon my knowledge and belief that this request is complete, in compliance with, and warrants approval under the Shiawassee County Zoning Ordinance of 1999, as amended.

Signature of Applicant _____

Date _____

"Affidavit of Compliance"

(As outlined within Section 16.5.3 of the Shiawassee County Zoning Ordinance/June 7, 1999)

I, _____, am the owner of, or the authorized agent of the owner of the lot (parcel of land) described on the attached site plan. I have read and understand the terms of the Affidavit of Compliance as listed below and agree to comply with the following, as applicable:

- A. The Land Division Act, Public Act 288 of 1967, as amended.
- B. The Shiawassee County Health Department Sanitary Code.
- C. The Flood Plain regulations of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 31, as amended.
- D. Michigan Public Health Code, Public Act 368 of 1978, as amended.
- E. Farmland and Open Space Preservation provisions of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 361, as amended.
- F. Wetlands Protection provisions of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 303, Section 324.30301 et seq., as amended.
- G. Inland Lakes and Streams provisions of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 301, Section 324.30101, et seq., as amended.
- H. "Miss Dig Law", Act 53, as amended.
- I. Airport Zoning Act, Public Act 23 of 1950, as amended.
- J. State Construction Code Act, Public Act 230 of 1972, as amended.
- K. The Shiawassee County Drain Commission Standard Construction specifications for open and closed drains.
- L. The Shiawassee County Subdivision Control Procedures pursuant to Public Act 288 of 1967, as amended.
- M. The Shiawassee County Soil Erosion and Sedimentation Control Ordinance, and any Applicable regulations of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 91, Section 324.9101 et. seq., as amended.
- N. Michigan Department of Environmental Quality rules for Land Divisions, as amended.
- O. All township or village ordinances that are applicable to the proposed building, structure, or land use.
- P. All other State, Federal, or local laws, rules, or regulations applicable to the proposed building, structure, or use of the property.

Signature of Applicant

Date

STATE OF MICHIGAN)
COUNTY OF SHIAWASSEE)

The foregoing instrument was acknowledged before me this _____ day of _____, 20_____.

Notary Public, _____ MI

My Commission Expires: _____



City of Laingsburg
114 N Woodhull Rd
Laingsburg, MI 48848

Building Official: Rob Kehoe
 Phone: (810) 516-1191
 Email: bldoff3889@aol.com

120
B 2024 B

Authority: 1972 PA 230 Penalty: Failure to provide the information may result in denial of your request.	LAINGSBURG is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
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Project or Facility Information			
PROJECT NAME		ADDRESS	
NAME OF CITY, VILLAGE OR TOWNSHIP IN WHICH JOB IS LOCATED			CITY
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township OF:			ZIP CODE
COUNTY	BETWEEN	AND	

Applicant				
NAME			E-MAIL	
ADDRESS	CITY	STATE	ZIP CODE	TELEPHONE NUMBER (Include Area Code)

Owner of the land in fee on which the building or structure will be constructed				
NAME			ADDRESS	
CITY	STATE	ZIP CODE	TELEPHONE NUMBER (Include Area Code)	

Cost and Fees				
ESTIMATED PROJECT COST				
\$ _____				
Re-Open Expired Permit	\$40.00			
CERTIFICATE OF OCCUPANCY (\$50.00 FEE) <input type="checkbox"/> YES <input type="checkbox"/> NO		BUILDING PERMIT FEE ENCLOSED (The first \$100.00 of an application is non-refundable) \$ _____		OR STATE ACCOUNT NUMBER _____

Validation – For Department Use Only	Validation Area
USE GROUP _____	
TYPE OF CONSTRUCTION _____	
SQUARE FEET _____	
APPLICATION FEE (non-refundable) \$ _____	
CERTIFICATE OF OCCUPANCY <input type="checkbox"/> YES <input type="checkbox"/> NO \$ _____	
NUMBER OF INSPECTIONS _____ \$ _____	
TOTAL PERMIT FEE \$ _____	
APPROVAL SIGNATURE _____	

Residential builder or Residential maintenance and alteration contractor			
NAME	COMPANY NAME	ADDRESS	
CITY	STATE	ZIP CODE	TELEPHONE NUMBER (Include Area Code)
STATE OF MICHIGAN LICENSE NUMBER			EXPIRATION DATE
FEDERAL EMPLOYER ID NUMBER (or reason for exemption)		WORKERS COMP INSURANCE CARRIER (or reason for exemption)	
UNEMPLOYMENT INSURANCE AGENCY EMPLOYER ACCOUNT NUMBER (or reason for exemption)			

Purpose of Project				
<input type="checkbox"/> NEW BUILDING	<input type="checkbox"/> ALTERATION	<input type="checkbox"/> DEMOLITION	<input type="checkbox"/> FOUNDATION ONLY	<input checked="" type="checkbox"/> RELOCATION
<input type="checkbox"/> ADDITION	<input type="checkbox"/> REPAIR	<input type="checkbox"/> MOBILE HOME SET-UP	<input type="checkbox"/> PREMANUFACTURE	<input type="checkbox"/> OTHER _____

Plan Review Required
<p>2 sets of construction documents are required with each application for a permit. Construction documents must be sealed and signed by an architect or professional engineer in accordance with 1980, PA 299 as amended. The seal and signature is not required for one- and two-family dwellings less than 3,500 square feet of calculated floor area and public works less than \$15,000 in total construction cost. Applicant must submit a detailed statement in writing, verified by affidavit of the individual making it, of the specifications for the building or structure, and full and complete copies of the plans drawn to scale of the proposed work. Applicant must also submit a site plan showing the dimensions, and the location of the proposed building or structure and the other buildings or structures on the same premises.</p>

Residential - Buildings Regulated by the Michigan Residential Code		
<input type="checkbox"/> ONE FAMILY	<input type="checkbox"/> TOWNHOUSE NO. OF UNITS _____	<input type="checkbox"/> DETACHED GARAGE
<input type="checkbox"/> TWO OR MORE FAMILY NO. OF UNITS _____	<input type="checkbox"/> ATTACHED GARAGE	<input type="checkbox"/> OTHER _____

Buildings Regulated by the Michigan Building Code		
<input type="checkbox"/> (A-1) ASSEMBLY (THEATRES, ETC.)	<input type="checkbox"/> (H-1) HIGH HAZARD (DETONATION)	<input type="checkbox"/> (M) MERCANTILE
<input type="checkbox"/> (A-2) ASSEMBLY (RESTAURANTS, BARS, ETC.)	<input type="checkbox"/> (H-2) HIGH HAZARD (DEFLAGRATION)	<input type="checkbox"/> (R-1) RESIDENTIAL 1 (HOTELS, MOTELS)
<input type="checkbox"/> (A-3) ASSEMBLY (CHURCHES, LIBRARIES, ETC.)	<input type="checkbox"/> (H-3) HIGH HAZARD (COMBUSTION)	<input type="checkbox"/> (R-2) RESIDENTIAL 2 (MULTIPLE FAMILY)
<input type="checkbox"/> (A-4) ASSEMBLY (INDOOR SPORTS, ETC.)	<input type="checkbox"/> (H-4) HIGH HAZARD (HEALTH HAZARD)	<input type="checkbox"/> (R-3) RESIDENTIAL 3 (1 & 2 FAMILY)
<input type="checkbox"/> (A-5) ASSEMBLY (OUTDOOR SPORTS, ETC.)	<input type="checkbox"/> (H-5) HIGH HAZARD (HPM)	<input type="checkbox"/> (R-4) RESIDENTIAL 4 (ASSISTED LIVING)
<input type="checkbox"/> (B) BUSINESS	<input type="checkbox"/> (I-1) INSTITUTIONAL 1 (SUPERVISED)	<input type="checkbox"/> (S-1) STORAGE 1 (MODERATE HAZARD)
<input type="checkbox"/> (E) EDUCATION	<input type="checkbox"/> (I-2) INSTITUTIONAL 2 (HOSPITALS ETC.)	<input type="checkbox"/> (S-2) STORAGE 2 (LOW HAZARD)
<input type="checkbox"/> (F-1) FACTORY (MODERATE HAZARD)	<input type="checkbox"/> (I-3) INSTITUTIONAL 3 (PRISONS ETC.)	<input type="checkbox"/> (U) UTILITY (MISCELLANEOUS)
<input type="checkbox"/> (F-2) FACTORY (LOW HAZARD)	<input type="checkbox"/> (I-4) INSTITUTIONAL 4 (DAY CARE ETC.)	

WILL THERE BE FIRE SUPPRESSION? <input type="checkbox"/> YES <input type="checkbox"/> NO	SCOPE OF WORK?
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Type of Construction		
<input type="checkbox"/> 1A - Non-Combustible (Protected Structural Elements) 3HR	<input type="checkbox"/> 1B - Non-Combustible (Rated Structural Elements) 2HR	<input type="checkbox"/> 2A - Non-Combustible (Rated Structural Elements) 1HR
<input type="checkbox"/> 2B - Non-Combustible (Non-Rated Structural Elements)	<input type="checkbox"/> 3A - Non-Combustibles (Exterior Walls Only)	<input type="checkbox"/> 3B - Non-Combustible (Bearing Walls Rated)
<input type="checkbox"/> 4 - Heavy Timber	<input type="checkbox"/> 5A - Combustible (Structural Elements Rated) 1HR	<input type="checkbox"/> 5B - Combustible (All Elements Not Rated)

C. Dimensions / Data			
FLOOR AREA:	EXISTING	ALTERATIONS	NEW
BASEMENT	_____	_____	_____
1ST & 2ND FLOOR	_____	_____	_____
3RD FLOOR & ABOVE	_____	_____	_____
TOTAL AREA	_____	_____	_____

Section 23a of the state construction code act of 1972, 1972 PA 230, MCL 125.1523a, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Violators of section 23a are subjected to civil fines.

I, _____ (name), _____ (title), attest that the statements, specifications, and plans submitted with this application are true and complete and contain a correct description of the building or structure, lot or parcel, and proposed work. I further attest that this application complies with the requirements of MCL 125.1510 and that I am a person authorized under MCL 125.1510(2) to make the statements and attestations contained in this application under MCL 125.1510(2).

SIGNATURE

DATE



City of Laingsburg
114 N Woodhull Rd
Laingsburg, MI 48848

Building Official: Rob Kehoe
Phone: (810) 516-1191
Email: bldoff3889@aol.com

Validation Area

Authority: 1972 PA 230
Penalty: Failure to provide information may result in denial of your request.

LAINGSBURG is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

I. Project or Facility Information

NAME OF OWNER/AGENT/SCHOOL/STATE DEPT.		HAS A BUILDING PERMIT BEEN OBTAINED FOR THIS PROJECT?	
		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not required	
STREET ADDRESS AND JOB LOCATION (Street Number and Name)		CITY	ZIP CODE
			COUNTY
NAME OF CITY, VILLAGE OR TOWNSHIP IN WHICH JOB IS LOCATED			
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township OF:			

II. Applicant

NAME		E-MAIL	
ADDRESS	CITY	STATE	TELEPHONE NUMBER (Include Area Code)

III. Owner of the land in fee of project location

NAME		E-MAIL	
ADDRESS	CITY	STATE	TELEPHONE NUMBER (Include Area Code)

IV. Electrical contractor

NAME	COMPANY NAME	STATE OF MICHIGAN LICENSE NUMBER	EXPIRATION DATE
ADDRESS (Street Number and Name)		STATE REGISTRATION NUMBER	EXPIRATION DATE
CITY	STATE	ZIP CODE	
TELEPHONE NUMBER (Include Area Code)		E-MAIL ADDRESS	
FEDERAL EMPLOYER ID NUMBER (or reason for exemption)			
WORKERS COMPENSATION INSURANCE CARRIER (or reason for exemption)		UNEMPLOYMENT INSURANCE AGENCY EMPLOYER ACCOUNT NUMBER (or reason for exemption)	

V. Purpose of Project

- Single Family New Service Only Premanufactured Home Setup (State Approved) State-owned
 Other _____ Alteration Special Inspection Manufactured Home Setup (HUD Mobile Home) School

VI. Plan Review Information

Plans must be submitted with an Application for Plan Examination and the appropriate deposit before a permit can be issued, except as listed below.

Plans are not required for the following:

- When the electrical system rating does not exceed 400 amps and the building is not over 3,500 square feet in area.
- Work completed by a governmental subdivision or state agency costing less than \$15,000.00.
- If work being performed is described above, check box below "Plans Not Required."

What is the rating of the service or feeder in ampere? _____

What is the building size in square footage? _____

Plans are required for all other building types and shall be prepared by or under the direct supervision of an architect or engineer licensed pursuant to 1980 PA 299 and shall bear that architect's or engineer's seal and signature.

Plan Review Project No. _____

Plans Not Required

VII. Fee Schedule - enter the number of items being installed, multiply by the unit price for total fee.

Item #18, Mobile Home Unit Site:

When installing a site service in a park, the permit application must include the application fee, service, the number of park sites and a final inspection. When setting a HUD mobile home in a park, a permit must include the application fee, service, feeder, and a final inspection. These shall be done by a licensed electrical contractor. When setting a HUD mobile home or a premanufactured home on private property, a permit must include the application fee, service, feeder, and a final inspection.

	Fee	# Items	Total		Fee	# Items	Total
1. Application Fee (non-refundable)	\$40.00	1	\$40.00	22. Units > 50 K.V.A. or H.P.	\$12.00		
Service	\$10.00			23. Solar Photovoltaic System where the total inverter generating capacity is less than 5,000KW (each panel)	\$2.00		
2. Through 200 Amp.				24. Solar Photovoltaic System where the total inverter generating capacity is no less than 5,000KW (each panel)	\$1.00		
3. Over 200 Amp. thru 600 Amp.	\$15.00			25. Electric Vehicle Charging Station (each station)	\$5.00		
4. Over 600 Amp. thru 800 Amp.	\$20.00			Fire Alarm Systems (not smoke detectors)	\$50.00		
5. Over 800 Amp. thru 1200 Amp.	\$25.00			26. Up to 10 devices			
6. Over 1200 Amp. (GFI only) thru 1600 Amp	\$50.00			27. 11 to 20 devices	\$100.00		
7. Over 1600 Amp.	\$120.00			28. Over 20 devices (each)	\$5.00		
8. Circuits	\$5.00			Data / Telecommunication Outlets	\$5.00		
9. Lighting Fixtures/Outlets including Receptacles and Wired Smoke Detectors per 25	\$6.00			29. 1 - 19 devices (each)			
10. Dishwasher, Microwave or Garbage Disposal	\$5.00			30. Outlets 20 to 300 devices	\$100.00		
11. Furnace - Unit Heater	\$5.00			31. Outlets Over 300 devices	\$300.00		
12. Electrical - Heating Units (baseboard)	\$4.00			Energy Management Temp. Control	\$45.00		
13. Power Outlets (ranges, dryers, etc.)	\$7.00			32. Energy Retrofit - Temp. Control			
Signs				Energy Management Temp. Control			
14. Unit	\$10.00			33. Energy Devices – Energy Management	\$5.00 ea.		
15. Letter (each)	\$15.00			34. Conduit only or grounding only	\$45.00		
16. Neon - each 25 feet	\$20.00			35. Rough/Additional Inspection	\$75.00		
17. Feeders-Bus Ducts, etc. - per 50'	\$6.00			36. Final Inspection	\$40.00	1	\$40.00
18. Mobile Home Park Site *	\$6.00			37. Certification Fee**	\$30.00		
19. Recreational Vehicle Park Site	\$4.00			38. Re-Open Expired Permit	\$40.00		
K.V.A., H. P., Wind Turbines	\$6.00			39. Island Inspection Fee (Where ferries, boats or planes are involved.)	\$50.00		
20. Units up to 20 K.V.A. or H.P.							
21. Units 21 to 50 K.V.A or H.P.	\$10.00						

Total Fee (Must Include the \$40 non-refundable application and \$40 final inspection fees.)

Make checks payable to "City of Laingsburg"

VIII. Instructions for Completing Application

General: Electrical work shall not be started until the permit has been issued with the City of Laingsburg. All installations shall be in compliance with the Michigan Electrical Code. **No work shall be concealed until it has been inspected.** The telephone number for the inspector will be provided on the permit form. When ready for an inspection, call the inspector providing as much advance notice as possible and provide the **job location, permit number, and contact information. Schedule permitting, the inspector will respond to an inspection request within two (2) business days to schedule the inspection. Inspections are typically performed within five (5) business days subject to the inspection schedule.**

* See VII. Fee Schedule Item #18 above
 ** Required for all school and state-owned construction projects

Expiration of Permit: A permit remains valid as long as work is progressing, and inspections are requested and conducted. A permit shall become invalid if the authorized work is not commenced within 180 days after issuance of the permit or if the authorized work is suspended or abandoned for a period of 180 days after the time of commencing the work. **A PERMIT WILL BE CLOSED WHEN NO INSPECTIONS ARE REQUESTED AND CONDUCTED WITHIN 180 DAYS OF THE DATE OF ISSUANCE OR THE DATE OF A PREVIOUS INSPECTION. CLOSED PERMITS CANNOT BE REFUNDED. THE CHARGE TO RE-OPEN A CLOSED PERMIT IS \$40.00.**

Section 23a of the state construction code act of 1972, 1972 PA 230, MCL 125.1523a, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Violators of section 23a are subjected to civil fines.

I _____(name), _____(title), attest that the statements, specifications, and plans submitted with this application are true and complete and contain a correct description of the building or structure, lot or parcel, or proposed work. I further attest that this application complies with the requirements of MCL 125.1510 and that I am a person authorized under MCL 125.1510(2) to make the statements and attestations contained in this application under MCL 125.1510(2).

SIGNATURE

DATE

INSPECTION REQUEST INFORMATION

INSPECTION REQUEST LINE: (810) 516-1191

ELECTRICAL INSPECTIONS - JOHN KEETCH (517) 256-3722

MECHANICAL INSPECTIONS - JOE HARDIN (248) 866-5765

PLUMBING INSPECTIONS- JOHN POMAVILLE (517) 749-7707

PLEASE HAVE THE FOLLOWING INFORMATION READY:

ADDRESS OF PROJECT

TYPE OF PERMIT

(Building, Electrical, Plumbing, etc.)

TYPE OF INSPECTION

(Underground, Rough, Final, etc.)

CONTACT INFORMATION OF THE PERSON REQUESTING THE INSPECTION.

HOW TO GAIN ACCESS TO PROJECT

(Key Location, Lock Box Number, Open, etc.)

**Additional inspections and reinspections are subject to
additional fees.**

TO CONTACT AN INSPECTOR CALL THE MAIN OFFICE

(810) 516-1191
