# CITY OF ALEDOR

BUILDING PERMIT APPLICATION

120 N. College Avenue
Aledo, Illinois 61231
(309) 582-7241 Office
(309) 582-7242 Fax

## PROJECT LOCATION

<table>
<thead>
<tr>
<th>Project Address:</th>
<th>PIN:</th>
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<table>
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<tr>
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## PROJECT TYPE

<table>
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<tr>
<th>Type of Building:</th>
<th>( ) Single Family Dwelling</th>
<th>( ) Two-Family Dwelling</th>
<th>( ) Multi-Family Dwelling</th>
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<tr>
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<td>( ) Commercial</td>
<td>( ) Other</td>
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<th>Project Type: (Please check the category that applies and complete site plan):</th>
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<tr>
<td>( ) Roof</td>
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<tr>
<td>( ) Plumbing</td>
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<td>( ) Electrical</td>
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<td>( ) HVAC</td>
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<td>( ) Generator</td>
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Please provide short summary of project:

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## PROPERTY OWNER INFORMATION

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<tr>
<th>Name:</th>
<th>Email:</th>
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<th>Address: (if different from project location):</th>
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<thead>
<tr>
<th>Home Telephone:</th>
<th>Cell Phone:</th>
<th>Fax:</th>
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Please complete the reverse side of this application.
CONTRACTOR INFORMATION

All contractors involved in this project shall be listed on the application. Contractors shall be licensed as required by state law and city ordinance prior to the issuance of a permit.

<table>
<thead>
<tr>
<th>To Be Completed by Applicant</th>
<th>To Be Completed by City Staff</th>
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<tr>
<td></td>
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<tr>
<td>Trade</td>
<td>Contractor Name</td>
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<td>General Contractor</td>
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<tr>
<td>Electrician</td>
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<tr>
<td>Plumber</td>
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<td>HVAC</td>
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<tr>
<td>Carpenter</td>
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<tr>
<td>Concrete</td>
<td></td>
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<tr>
<td>Roofing</td>
<td></td>
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</tbody>
</table>

PROJECT DETAILS
What is the proposed use?:

*Plumbing may be done by homeowner if homeowner lives in the home and must reside in home for 5 months. If you pay someone to roof your home they must have an Illinois Roofing License and be registered with the City.*

Total Fair Market Value (use contract price if the work is contracted):
Labor ___________________ Materials: _______________ Total Cost: _______________

(Please note that owner labor has a market value)

PLEASE COMPLETE AND SUBMIT ATTACHED SPECIFICATION SHEET

The undersigned, by affixing his or her signature to this application, does hereby acknowledge and affirm the following: (1) That he or she is the project property owner or authorized agent; (2) that the issuance of the requested permit is conditioned upon the consent of the permit holder and his or her employees, contractors or other agents, to comply with the codes, rules, specifications and ordinances of the City of Aledo; (3) that the permit holder shall obtain all required inspections for the project; (5) that the permit does not grant any right or privilege to violate the codes and ordinances of the City of Aledo; (6) that a failure to commence work within 180 days of the issuance of this permit or a failure to complete such work within one year of permit issuance shall invalidate the permit and require an extension or new permit as allowed by the building official; (7) that inspections outside of normal business hours, missed inspections or those caused by modifications or noncompliance shall be assessed an additional $50.00 per inspection; (8) that a failure to obtain the required inspections or a violation of codes, rules, specifications or ordinances of the City shall be cause to suspend or revoke the permit and shall further be cause for the city to seek compliance in a manner as provided by law.

__________________________  __________________________
Signature of Permit Applicant  Printed Name
PREPARING AND SUBMITTING A SITE PLAN

A site plan is a drawing that shows proposed improvements to a property. A site plan shows the location of existing buildings and other improvements, adjacent streets or alleys, and other property features. A site plan also shows the size and location of proposed improvements to a property such as a new house, addition, deck, garage, storage shed, pool, sign, or parking lot.

WHEN MUST I SUBMIT A SITE PLAN?

Prior to construction or development, a property owner or contractor must first apply for a building permit and submit a site plan to the City of Aledo for review. The City's Building Department (located at Aledo City Hall, 120 N College Ave.) will review the site plan to ensure that new structures and development comply with adopted land use codes and policies. Proposals will be reviewed, at minimum, to verify that construction will meet applicable setbacks, height, and size (bulk) standards. For larger projects other than single or two-family residential construction, additional site plans for landscaping and lighting may also be required.

HOW SHOULD I PREPARE A SITE PLAN?

For most residential projects a simple hand-drawn, not-to-scale site plan is sufficient. Larger residential projects and most non-residential projects may require scaled site plans prepared by a registered design professional. At minimum, a site plan should identify the following:

- Property lines and dimensions;
- Location and name of adjoining streets, avenues, alley and other physical features;
- Locations and exterior dimensions of all existing structures;
- Location, height and exterior dimensions of all proposed buildings or improvements;
- Distances (setbacks) from front, side, and rear property lines to the wall or edge of each existing structure and also to each proposed structure or improvement;
- For detached buildings, distances from existing buildings to proposed buildings;
- Street address; and
- North arrow.

For site plan EXAMPLES and a BLANK TEMPLATE, see the following pages.

QUESTIONS? Contact the Building Department at 309-582-7241 ext 205 or jblaser@aledoil.org
SITE PLAN EXAMPLES

NE 1ST STREET

EXISTING HOUSE

PROPOSED GARAGE

SE 19TH AVE

SE 3RD ST
Zoning Official

Date

All improvements must comply with the Aledo Code of Ordinances. No changes without prior approval. The owner and/or contractor is responsible for verifying property lines, easements, and building/property dimensions.

PLEASE SHOW:
- Dimensions of proposed structure
- Distances to property lines
- Streets and alleys
- Property dimensions (if available)

DESCRIPTION OF WORK:

ADDRESS:

PROPOSED SITE PLAN
PROPOSED BUILDING SYSTEM

**Electrical**

New Service Amperage: __________ Existing Service Amperage: __________

Number of new 15 amp circuits __________ 20: __________ 40: __________ 50+: __________

Buried or overhead lines? ________________________________

List type of wiring and whether conduit will be used: ________________________________

**Plumbing**

Water Distribution Size: ________________________________

Water Distribution Material: (e.g. schedule and type) ________________________________

Ventilation Size: ________________________________

Waste Line Size: ________________________________

Waste Line Material: ________________________________

Will there be a sump pump? ________________________________

Will there be floor drains? ________________________________ In garage __________

New Hot Water Tank Capacity: __________ Electric? __________ Gas? __________

Expansion Tank Provided? ________________________________

Gas Piping Size: __________ Gas Piping Material: ________________________________

Lawn Irrigation: State type of backflow prevention provided: ________________________________

**HVAC**

Type of Heating System: (e.g. gas forced air, convection, baseboard, etc.) ________________________________

New Furnace Btu ________________________________ New Boiler Btu ________________________________

Will heating unit be gas or electric? ________________________________

Gas Piping Size: ________________________________ Gas Piping Material: ________________________________

Type of Ductwork Material: ________________________________

Type of AC Unit: ________________________________

**Ventilation / Exhaust:** All ventilation / exhaust shall terminate in a manner as required by the City of Aledo code and as depicted in the attached hand out.

*The owner and his agents are responsible for ensuring that all installations and materials meet code requirements, and for having the requisite knowledge of all applicable aspects of the Aledo construction codes*
The neutral conductor is bonded to service enclosures. Once the neutral conductors leave the service panel, they must be isolated from contact with equipment and enclosures, otherwise current could return on EGCs, enclosures, and piping. Subpanel feeders require four conductors—two ungrounded (hot) conductors, a neutral, and an EGC (which can be metal conduit).

**Fig. 31 Service Panel**

This is a common style of panelboard. When used as a service, the white neutral and the bare or green equipment grounds MUST be bonded together AND to the enclosure. This connection is essential to the safe operation of the grounding system.

**Fig. 32 Subpanel**

In a downstream subpanelboard, the white neutral and the equipment grounds must not be bonded together. The neutral MUST "float" on insulators that prevent contact with the metal enclosure and any equipment grounds. Bonding these conductors is hazardous.

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**Subpanels & Fuse Boxes**

Panels and their enclosures must be installed and used in accordance with all instructions and specifications from the manufacturer.

**Location & Enclosures**

2002 | 2005
---|---
- Front working clearance min 30in wide x 36in deep F26 [110.26A] | (110.26A)
- Wet loc enclosures req to be weatherproof | 312.2A
- Surface-mounted wet loc boxes 1/4 space from wall | 312.2A
- Open KOs must be filled (not taped) | (110.12A)
- No OCPDs in clothes closet or bathroom | (240.24A,E)
- OCPDs readily accessible & max height 6ft 7in | 240.24A,E
- Max panel setback in noncombustible wall (drywall) Vah | 312.3
- Max panel setback in combustible wall (wood) On | 312.3
- Max plaster gap at side of flush mount panel | 312.4

**OCPDs & Wiring**

- Secure cables entering panel | F33 [312.5C]
- Breakers correct brand per panel labeling | (312.5C)
- Isolate neutral from EGCs & GES EXC at service | (110.3B)
- Modifications to split neutral bar PMI | F31.32 [manual]
- Terminal bar for EGCs req to be provided | F31.32 [408.20]
- Purpose of breakers & fuses legibly marked | (408.4)
- Ctckt identification must be clear, evident, & specific | (408.4)
- Approved handle ties OK for 240V cchts w/ single-pole breakers | F42 [240.2082]

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**OCPDs & Wiring (cont.)**

- Handle tie for multiwire ckt to same device | F42 [210.48] (210.4B)
- Handle tie for 2 ckt to receps on same yoke | 210.7C (210.7B)
- Missing twistouts must have fill plates (not tape) | 110.12A
- Antioxidant on AL conductors PMI | (110.14)
- Each neutral conductor req individual terminal | 408.21 (408.41)

**Breakers (OCPDs) serve 4 primary functions:**

1. **Provide a disconnecting means for a circuit**
2. **Open circuits (stops current flow) if conductor overloaded**
3. **Open circuits (stops current flow) if short circuit occurs**
4. **Open circuits (stops current flow) if ground fault occurs**

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**Fig. 33 Improper Cable Bundle**

Cables must be secured to the panel with clamps used in accordance with their listing. Some clamps will accept two small cables; a bundle through one clamp is a common defect.
Basements and every sleeping room (see definition of sleeping room) shall have at least one openable window or door approved for emergency escape and rescue that shall open directly to the outside.

The rescue openings shall be openable from the inside of the room without the use of keys, tools, or special knowledge.

The net clear openable area shall be no less than 5.7 square feet (* Grade floor openings shall have a net clear opening of 5 square feet - see definition of Grade floor opening.

In addition to the above requirements, the net clear openable height dimension shall be a minimum of 24 inches.

The net clear openable width dimension shall be a minimum of 20 inches. (Note: using both minimum figures will not obtain the required 5.7 square feet. See chart below).

The finished sill height shall not be more than 44 inches above finished floor. (See note with * for exception).

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Minimum Width/Height Requirements for Emergency Escape and Rescue Windows (inches)

Minimum size opening for 20" clear width

<table>
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<th>20' Clear</th>
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Net Clear Openable Area = 5.7 sq. feet

Minimum size opening for 24" clear height

<table>
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<th>34 1/4' Clear</th>
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Net Clear Openable Area = 5.7 sq. feet

Finish Floor

Maximum 44 Inches*

* Where the maximum height of 44 inches is exceeded in new or existing construction a permanent landing shall be provided that has a minimum width of 36 inches, minimum depth of 18 inches and a maximum height of 24 inches. The landing shall be installed directly under the window it serves.

Definitions

Sleeping Room/Bedroom: Any room with a permanently built in closet, designed for and potentially used for sleeping purposes at the present time and/or in the future. Bedrooms include dens, offices, playrooms, family rooms, storage areas, and other rooms with built in closets.

Grade Floor Opening: A window or other opening located such that the sill height of the opening is not more than 44 inches above or below the finished ground level adjacent to the opening.
Window wells required for emergency escape and rescue shall have horizontal dimensions that allow the window to be fully opened. The horizontal dimensions of the window well shall provide a minimum net clear area of 9 square feet with a minimum horizontal projection and width of 36 inches.

Window wells with a vertical depth below the adjoining ground exceeding 44 inches shall be equipped with a permanently affixed ladder or steps. (The ladder is permitted to encroach a maximum of 6 inches into the required dimensions of the window well). Ladder rungs shall have a minimum width of 12 inches, shall project at least 3 inches from the wall and shall be spaced not more than 18 inches on center vertically for the full height of the window well.

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No obstructions allowed in this area: decks, wall cantilevers, etc.

Minimum 36 inch net clear dimensions (9 square feet) when window is fully opened

Ladder or steps permitted to encroach a maximum of 6 inches into required dimensions.

When window well is 10 or more square feet than a minimum 2 inch diameter tile shall be ran from the well to the house footing drain.
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- and 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, aboveground 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 walls of said 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 AG107.

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 AG107.

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 AG107.

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 AG107.

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, aboveground or on-ground pool, hot tub or spa shall be provided with 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 aboveground pool, the barrier may be at grade 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 1.75 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 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 1.75 inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a 2.25-inch (57 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1.75 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 1.75 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 greater than 0.5 inch (12.7 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 F1346; or

   9.2. All 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 its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is opened and be capable of being heard throughout the house during normal house-hold activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such 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 aboveground 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:

   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. All walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

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

AG105.5 Barrier exceptions. Spas or hot tubs with a safety cover which complies with ASTM F1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.

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 other such multiple suction outlets whether isolated by valves or otherwise shall be protected against user entrapment.

AG106.2 Suction fittings. All Pool and Spa suction outlets shall be provided with a cover that conforms with ANSI/ASME A112.19.8M, or a 12" × 12" drain grate or larger, or an approved channel drain system.

Exception: Surface skimmers

AG106.3 Atmospheric vacuum relief system required. All 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. Such vacuum relief systems 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 (2) suction outlets of the approved type. A minimum horizontal or vertical distance of three (3) feet shall separate such 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.
**Swimming Pool**

Electricity and water don’t mix. Equipment grounding conductors must be insulated to protect them from corrosive chemicals and must land on terminal bars, not on wire nuts. 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. For GFCI requirements, see p. 8.

### Overhead Clearances

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<th>2002</th>
<th>2005</th>
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<tbody>
<tr>
<td>Triplex service drop above or within 10ft of pool req</td>
<td>.680.8A</td>
</tr>
<tr>
<td>22'/19f clearance in any direction from water</td>
<td>.680.8A</td>
</tr>
<tr>
<td>Clearance from diving platform 14'/19f</td>
<td>.680.8A</td>
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### Wiring

- Nonpool underground wiring min 5ft from pool EXC | .680.10 |
- RMC or IMC w/ 5in cover or RNMC w/ 18in cover OK when space limitations leave no choice | .680.10 |
- Feeder in RMC, IMC, LFNMC, or PVC only | .680.25A |
- EMT OK only for feeder on or within bldg | .680.25A |
- Motor connection OK in LFMC or LFNMC | .680.21A3 |
- Motors inside SFD any approved wiring method OK | .680.21A4 |

### Equipment Grounded Conductors (EGCs)

- Min size ckt EGC 12AWG | .680.23F2 |
- No splices (must land on terminals) | .680.23F2 |
- New feeders must be insulated EGC | .680.23F2 |

### Equipment Grounded Conductors (EGCs)

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- New feeders must be insulated EGC | .680.23F2 |

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**Underwater Wet-Niche Lighting**

- Min 18in below water level | .680.23A5 |
- Fixture bonded & secured to shell w/ locking device req a tool for removal | .680.23B5 |
- Low-voltage transformer L&L for pool | .680.23A2 |
- Low-voltage & GFCI wires not in same raceway or box as non-GFCI wires | .680.23F3 |
- 8AWG bonding cond req in LFNMC or RNMC to wet niche | .680.23B2 |
- Bonding connection in wet niche must be potted | .680.23B2 |
- Min 16AWG EGC in cord to wet-niche fixture | .680.23B3 |

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**Equipment Bonding**

- Bond all parts of pool structure & eqmty EXC | .680.26B |
- Small isolated parts <4in & <1in into plaster | .680.26B |
- Bond motors EXC listed & double-insulated type | .680.26B |
- Bonding cond min #8 solid Cu | .680.26C |

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**Receptacles (see p. 8 for GFCI requirements)**

- Min 1 recept <20ft from pool walls | .680.22A3 |
- Min distance from pool wall 10ft EXC | .680.22A3 |
- Reduction to not <5ft horiz OK if space restricted | .680.22A4 |
- Pump motor recept not <10ft from pool wall EXC | .680.22A1 |
- Dimensions inc distance around barriers | .680.22A6 |

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**Lighting Outlets (see p. 8 for GFCI requirements)**

- Outdoors min 5ft from pool unless 12ft above | .680.22B1 |
- Indoors 7ft 6in above water OK if enclosed & GFCI | .680.22B2 |

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**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

- GFCI-protected package unit OK for cord up to 15ft | .680.42A2 |
- Bends to secure hot tub staves exempt from bonding | .680.42B |

### Indoor Spas

- Min one recept 5–10ft from inside wall of spa | .680.43A1 |
- No wall switches <5ft from inside wall of spa | .680.43C |

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**Fig. 83**

**Underwater Pool Lighting**

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**Fig. 81**

*Pool Equipment Grounding*

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**Fig. 82**

*Pool Bonding Grid*
Swimming Pools
Conductors installed within 10' horizontally from the pool edge or diving platform must maintain basic vertical clearances as depicted in the following table.

This rule does not apply to a pool fully enclosed by a solid or screened permanent structure.

Beaches and Waterways Restricted to Swimming
Where rescue poles are used by lifeguards at supervised swimming beaches, the required basic vertical and horizontal clearances shall be as shown on the following table.

<table>
<thead>
<tr>
<th>CLEARANCES TO SWIMMING AREAS</th>
<th>UNGUARDED RIGID LIVE PARTS, 0-750V, SECONDARY CABLE</th>
<th>GROUNDED OR INSULATED GUYS, NEUTRAL COND.</th>
<th>OPEN SUPPLY CONDUCTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEARANCE IN ANY DIRECTION FROM THE</td>
<td>22'-6&quot;</td>
<td>22'-6&quot;</td>
<td>23'-0&quot;</td>
</tr>
<tr>
<td>EDGE OF POOL, BASE OF DIVING PLATFORM, OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANCHORED RAFT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLEARANCE IN ANY DIRECTION TO THE DIVING</td>
<td>14'-6&quot;</td>
<td>14'-6&quot;</td>
<td>15'-0&quot;</td>
</tr>
<tr>
<td>PLATFORM OR TOWER</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VERTICAL CLEARANCE OVER ADJACENT LAND</td>
<td>AS REQUIRED IN CLEARANCES ABOVE GROUND OR ROADWAYS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Ref. NESC 232)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNDERGROUND DIRECT BURIED CABLE</td>
<td>5' FROM POOL OR AUXILIARY EQUIPMENT (Ref. NESC 251(C))</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Effective April 7, 2011
Pool & Deck Safety

1. Make sure all gates in the isolation fence for your pool are self-closing and self-latching.

2. Remove all chairs, tables, large toys or other objects that would allow a child to climb up to reach the gate latch or enable the child to climb over the pool isolation fence.

3. Reaching and throwing aids like poles should be kept on both sides of the pool. These items should remain stationary and not be misplaced through play activities.

4. All pool and hot tub drains (suction outlets) must have a cover or gate that meets industry standards for suction fittings marked with "VGB2008" indicating compliance with the latest codes.

5. Install a pool alarm to detect accidental or unauthorized entrance into the water. While the alarm provides an immediate warning, it does not substitute for the fences, door alarms and safety covers required by the code.

6. Install either an automatic or manually operated, approved safety cover to completely block access to water in the pool, spa or hot tub. Never allow anyone to stand or play on a pool cover.

7. Check for warning signs for an unsafe deck, including loose or wobbly railings or support beams, missing or loose screws that connect a deck to the house, corrosion, rot and cracks.

Grill Safety

8. Place the barbeque grill away from siding, deck railings and out from under eaves and overhanging branches. It is also unsafe to use grills in a garage, porch or enclosed area that could trap carbon monoxide. Never grill on top of anything that can catch on fire.

9. When grilling, have a fire extinguisher, a garden hose or at least 4 gallons of water close by in case of a fire.

10. Keep children away from fires and grills. Establish a safety zone around the grill and instruct the children to remain outside of the zone. A chalk line works great for this purpose. Never leave the grill unattended.