



Village of Mount Prospect  
Community Development Department  
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## Swimming Pool Supplement

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### PERMIT SUBMITTAL REQUIREMENTS

Call JULIE 1.800.892.0123 to locate all underground utilities prior to permit submittal.

- 3 copies of the plat of survey for the property
- Pool dimensions: Length \_\_\_\_\_ Width \_\_\_\_\_ Height \_\_\_\_\_
- Above Ground: \_\_\_\_\_ In-Ground: \_\_\_\_\_
- Drawings or plans indicating construction of the pool
- Details on the safety barrier and gate (see SAFETY BARRIERS Information)
- Details on the electrical installation (see ELECTRICAL REQUIREMENTS Information).

### INDICATE THE FOLLOWING ON THE SITE PLAN AND PLAT OF SURVEY:

- Pool location on the lot
- Distance to the lot lines and house.
- Location of overhead or below grade utilities.
- Location of safety barrier.
- Location of gate in safety barrier.
- Location of ladder; Minimum of one ladder required per pool.
- Type of pool drainage system and area of drainage.
- Location of light fixtures and switches.
- Location of pump and convenience outlets (see diagram) and indicate distances.
- Location of the pool cleaning equipment: pump, overgutters, skimming devices (1 skimmer per 1,000 s.f. required).
  - Area calculation:
  - Round Pool =  $3.14 \times \text{radius} \times \text{radius}$
  - Rectangular Pool = length x width
- Location of pool deck if applicable. A pool deck will require additional details. Please see the deck supplement for more information.

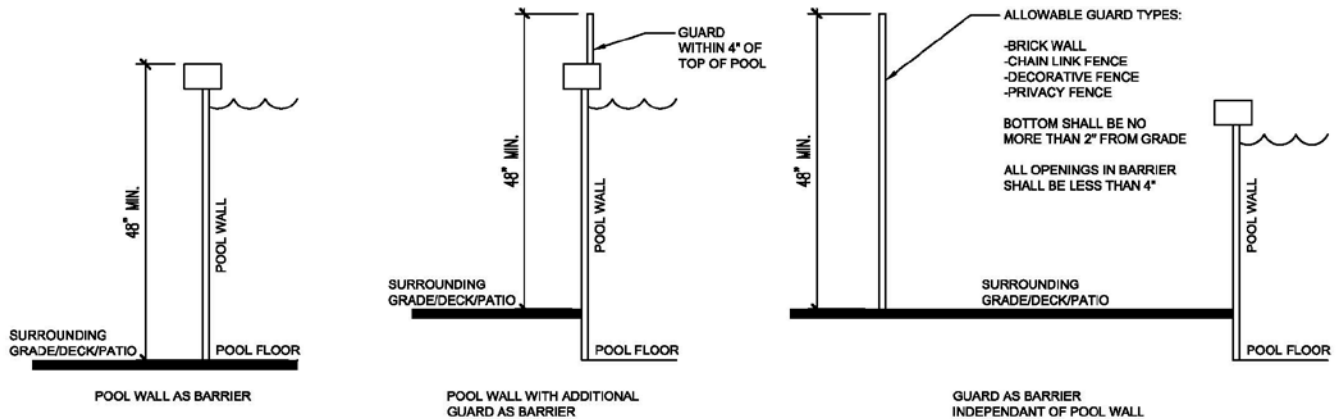
### SAFETY BARRIERS

- A side of the house used for the safety barrier with a door with direct access to the pool must have an audible alarm on the door or a power safety cover.
- *Alarm* -- commence within 7 (seven) seconds of door opening -- sound for 30 seconds measuring 85 dBA at 10 feet, distinctive sounds, automatically reset, deactivation touch pads 54 inches above thresholds for a single opening allowed.
- Doors opening onto the pool area -- self-closing, self-latching, release 54 inches above the floor, swing away from pool area.



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- A deck which opens onto the pool will require a safety barrier from the deck or the deck must comply with the safety barrier requirement including stairs and gate.
- A deck which opens onto the pool and on the house which provides direct access from the door to the pool must have alarms on the doors or a power safety cover.
- Pedestrian gates shall swing open from the pool, be self-closing, self-locking, and shall meet the same construction requirements as all safety barriers.
- Gates other than pedestrian gates shall have a self-latching device and comply with other requirements.
  - Self-latching device shall be 54 inches above grade or 3 inches below the pool side of the gate. No openings larger than  $\frac{1}{2}$  inch shall be allowed in the gate construction within 18 inches of the latch.



### APPROVED SAFETY BARRIERS

### ADDITIONAL INFORMATION

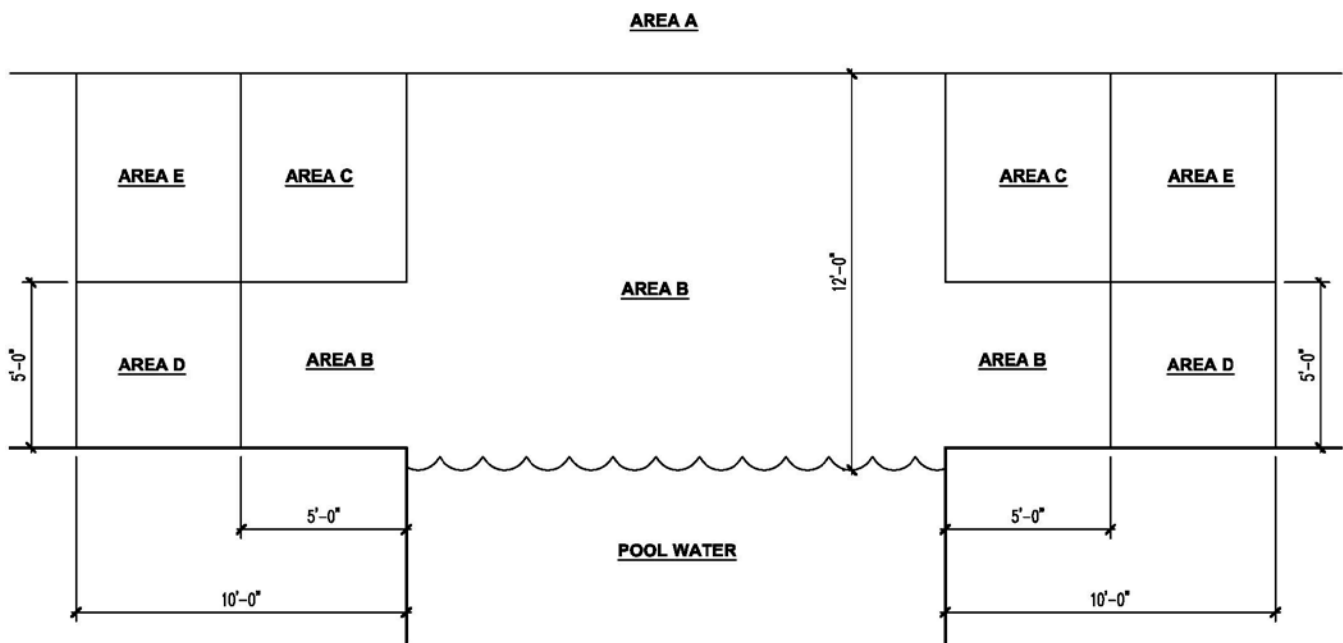
- A vacuum breaker is required on any threaded source of water used for filling a pool.
- Pool ladder shall be able to be removed, secured, locked or provided with an approved barrier or gate.
- Steps must slip resistant with handrails on both sides.
- Zoning Restrictions - Swimming pools must be located entirely behind the rear line of the building of the principal structure on the lot in the R-1, R-A, R-2 and R-X districts. Swimming pools will not be permitted in any required front, side or exterior side yards. Pools are permitted to encroach into the rear yard provided a minimum of fifteen (15') feet is maintained from the rear property line to the edge of the structure. For additional information, see the Village's Zoning Code.



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### ELECTRICAL REQUIREMENTS

- **Permanent Pools:** Pools with a depth greater than 42 inches or which are not taken down and stored over the winter.
- **Storable Pools:** Pools with a maximum depth of 42 inches or which are taken down each season.
- Type and size of conduit and conductor for electric supply or pump or outlet.
- Conductor \_\_\_\_\_ Conduit \_\_\_\_\_
- Type of light fixture, switches and receptacles.
- Permanent Pools - maximum length of pump cord 3 feet
- Ground for receptacles - Minimum #12, protected and connected to the grounding terminal bus of the service pane or sub-panel.
- Additional electrical requirements are included, that are regulated by the Electric Company.



#### ALLOWABLE ELECTRIC LOCATIONS:

**AREA A:** LIGHTING FIXTURES, LIGHTING OUTLETS, AND CEILING FANS PERMITTED ABOVE 12'-0". CEILING FANS ARE COMMON WHERE POOL IS LOCATED IN CABANA-TYPE STRUCTURE. SECTION 680-6(b)(1).

**AREA B:** LIGHTING FIXTURES, LIGHTING OUTLETS, AND CEILING FANS ARE NOT PERMITTED BELOW 12'-0". SECTION 680-6(b)(1).

**AREA C:** EXISTING LIGHTING FIXTURES AND LIGHTING OUTLETS PERMITTED IN THIS SPACE IF RIGIDLY ATTACHED TO EXISTING STRUCTURE (GFCI REQUIRED). SECTION 680-6(b)(1), EXCEPTION 1.

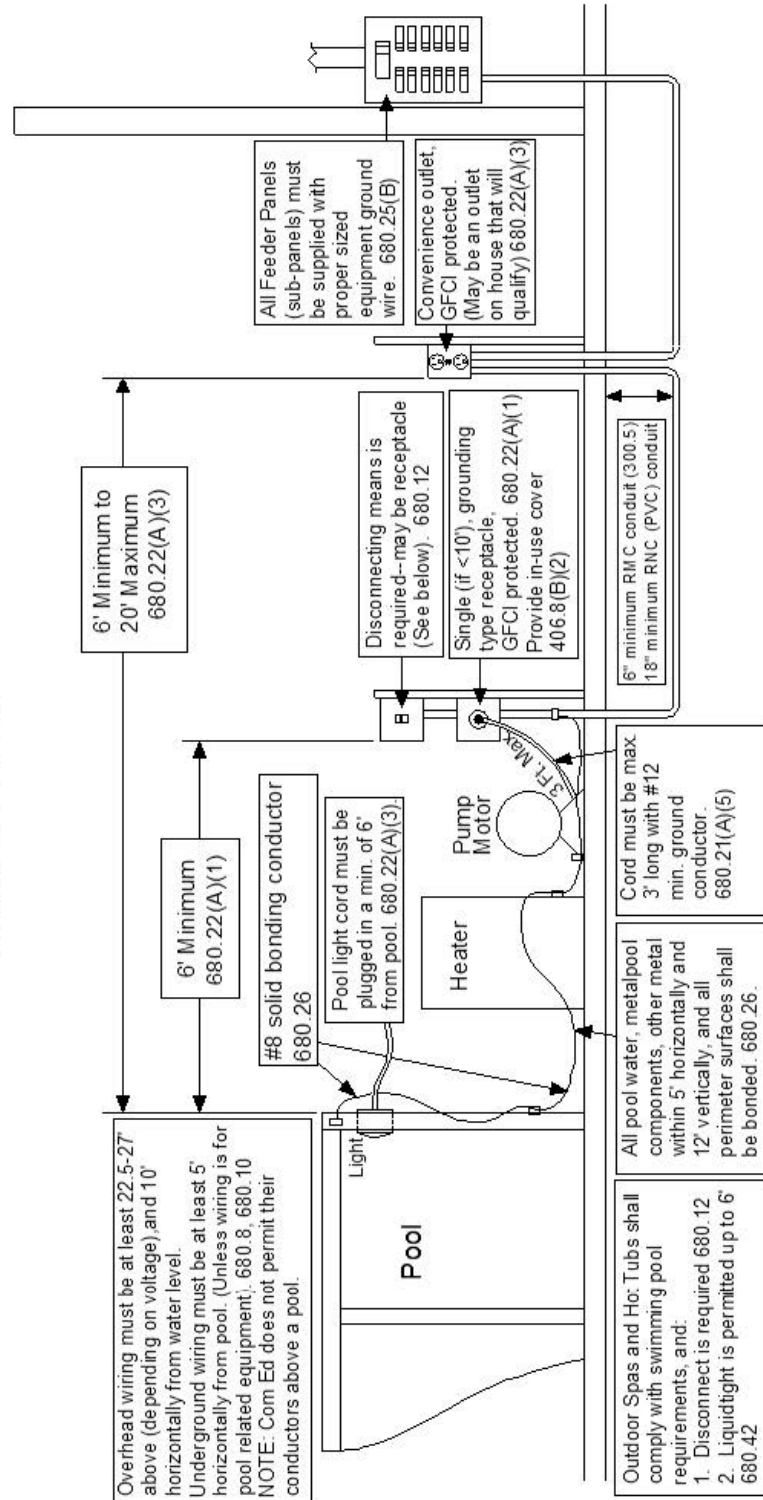
**AREA D:** LIGHTING FIXTURES AND LIGHTING OUTLETS PERMITTED IF PROTECTED BY GFCI. SECTION 680-6(b)(1).

**AREA E:** LIGHTING FIXTURES AND LIGHTING OUTLETS PERMITTED IF RIGIDLY ATTACHED. SECTION 680-6(b)(1).



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# Electrical Information for Above-Ground Pools 2014 NEC





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### Electrical Information for In-Ground Pools 2014 NEC

