

## Guide to Swimming Pool Permits

### Fees

- **In-Ground Pool Permit**                    **\$126.25**                    (includes a 1% State of Ohio fee).
- **Above-Ground Pool Permit**                **\$101.00**                    (includes a 1% State of Ohio fee).
- **Zoning Permit**                                **\$ 40.00**
- **Electrical Permit Fees**                    **\$ 75.75**                    (includes a 1% State of Ohio fee).
- These fees are collected once a permit has been issued and are not required at the time of the application.

### Application Requirements

- Completion of an application form furnished by the building department.
- Two (2) sets of plans of sufficient clarity to indicate how the proposed pool will be constructed (see plan requirements).
- Two (2) sets of drawings/literature on the fence/barrier required to enclose and protect the pool (see plan requirements).
- Two (2) sets of literature on the alarm system that may be required, on doors from the dwelling that has direct access to the pool (see plan requirements).
- Two (2) survey based plot plans/site plans showing the location of the proposed pool, existing structures, and the distances from the property/lot lines.
- Two (2) sets of literature on the proposed electrical:
  - Pump wiring complying with NEC 680.21
  - GFCI protected receptacle NEC 680.22(a)
  - Bonding per NEC 680.26

### Action on the Application

- The building and zoning departments will examine the application and plans of the proposed pool within two weeks or ten working days.
- If the application and plans of the proposed pool conform to the building and zoning codes, the applicant is notified and a pool permit is issued. The applicant shall pick up one set of the approved plans and pay the permit fees prior to the start of construction.
- If the application and plans of the proposed pool do not conform to the building and zoning codes, the applicant is notified and the reasons for the disapproval will be given in writing.

### Time Limitations

- Work shall commence within twelve (12) months of the approval of the swimming pool construction documents. One extension shall be granted for an additional twelve-month period if requested by the owner at least ten days in advance of the expiration of the approval and upon payment of a fee not to

exceed one hundred dollars. If in the course of construction, work is delayed or suspended for a time period of six (6) months, the approval of the plans or drawings is invalid. Two extensions shall be granted for six months each if requested by the owner at least ten days in advance of the expiration of the approval and upon payment of a fee for each extension.

### **Have Questions or Need Help?**

- If you have questions regarding zoning issues such as setback distances from the property lines, lot coverage, or landscaping requirements, please contact City Planner Tom Lodge at 614.901.6661, or City Planner Chelsea Nichols at 614.901.6662.
- If you have questions pertaining to electrical requirements, please contact Electrical Safety Inspector Michael Neff at 614.901.6654, or Electrical Safety Inspector Joseph Nimon at 614.901.6653.
- If you have questions pertaining to the pool installation, please call 614.901.6650 and ask to speak with a building inspector.

### **Plan Requirements**

- **Plot Plan** – The survey based plot plan shall show the location of the proposed pool, electrical disconnects, existing structures, and the location of pool pumps, filtering devices and the pool heating equipment. All pool equipment shall be located ten (10) feet from all property lines, and not less than ten (10) feet from the building setback line. When deciding on a pool location, consideration must be given to existing electrical outlets, devices, and buried cables. Typically these items must be at least (5) five feet horizontally from the inside of the pool walls. Additionally, the plot plan shall show the location of the fence/barrier that will enclose the pool.
- **Standard Assembly Drawings** – The standard assembly drawings can be obtained from the manufacture of the pool. These drawings show how the pool will be assembled, and the configuration or layout of the pool. See sheet #1 and #2 for examples of in ground pool, standard assembly drawings.
- **Fence/Barrier Sections (In Ground Pools)** – The fence/barrier sections shall show the height of the fence (4 feet minimum) and the size of openings in the fence (4 inch maximum). Please include a section of any pedestrian access gates that may be in the fence. Gates shall open outward away from the pool and be self-closing and self-latching. When the release mechanism of the gate is located less than 54 inches from the ground; the release mechanism shall be located on the pool side of the gate and a minimum of (3) inches below the top of the gate. Openings in the gate shall be no greater than ½” within (18) inches of the release mechanism. Fence/Barrier sections may be obtained from the manufacture of the fence or the applicant may draw a section of the proposed fence/barrier and pedestrian gates.
- **Fence/Barriers Sections (Above Ground Pools)** – Above ground pools often utilize the pool walls as a fence/barrier when the pool walls are at least 48 inches high. Lift and locking ladders or stairs can be used, and even removable stairs can be utilized. The ladder or steps shall be capable of being secured and locked, or removed to prevent access. The plan submittal shall include information on the means to prevent access to the pool.

- **Door Alarms** – Literature from the manufacture of a door alarm shall be included in the plan submittal when the wall of a dwelling serves as part of a fence/barrier. All doors that have direct access to the inside of the pool area shall be equipped with an alarm which produces an audible warning when opened. Literature from a typical door alarm manufacture has been included in this guide.

### **Inspections on In Ground Pools**

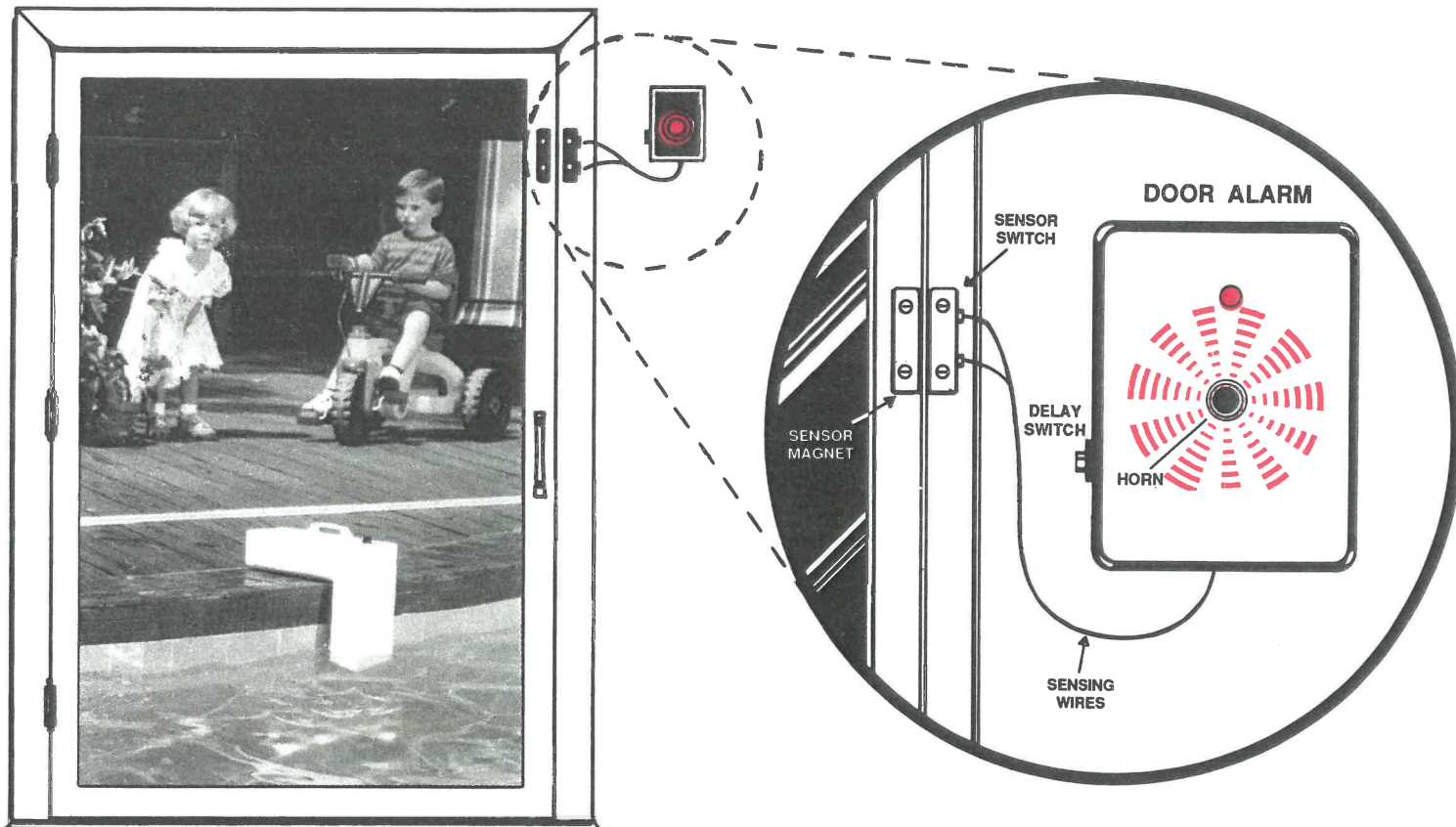
- **Footing** – A footing inspection is required after the excavation, and after the installation of the structural pool walls, prior to pouring concrete. This inspection shall be performed prior to covering and back filling of the pool walls.
- **Underground Electrical & Bonding** – Bonding of all metallic pool parts and all underground electrical equipment associated with the pool. The listing and installation instructions for all pool lighting (including low voltage controlled) and equipment shall be available on the job site. This inspection shall occur prior to backfilling of pool walls and electrical trenches.
- **Gas Piping** – This will include any gas line run underground to a pool heating unit before covering.
- **Final Electrical** – After the completion and installation of all electrical wiring, equipment, devices, and fixtures. This inspection occurs prior to the final inspection.
- **Final Grade** - After all site work, landscaping, and grading are complete.
- **Final Inspection** – After the completion of all pool work prior to the pool being utilized for swimming. The fences or barriers shall be complete and alarms installed on all doors of the dwelling that have direct access to the pool area.

### **Inspections on Above Ground Pools**

- **Rough Electrical** – This will include inspection of underground electrical to pool pumps, filtering systems, or other related equipment. Outlets, sub panels, and lighting fixtures if installed shall be inspected.
- **Framing/Structural** – After the installation and completion of the pool walls.
- **Gas Piping** – This will include any gas line run above ground to a pool heating unit.
- **Final Electrical** – After the completion and installation of all electrical wiring, equipment, devices, and fixtures. This inspection occurs prior to the final inspection.
- **Final Occupancy** – After the completion of all pool work and prior to the pool being utilized for swimming. The fences/barriers that will prevent unsupervised access to the pool shall be complete.

This Guide is to familiarize an applicant with the swimming pool permit process and some of the various code requirements. The information contained in this guide is a summary; please refer to the 2017 National Electric Code, 2012 International Residential Code – Appendix G, and The City of Westerville Codified Ordinances for a comprehensive and complete set of codes and standards.

# DOOR ALARM



## DOOR ALARM

**Door Alarm** mounts next to any door which gives easy access to your swimming pool. Any door which allows young children easy and quick access to a pool area is dangerous and should have a door alarm. The **Door Alarm** comes with two magnetic switches, hookup wire, and operates on one 9-volt battery. The door alarm has a delay switch which allows an adult to pass through the door without the alarm sounding. When a child opens the door, the alarm will sound in seven seconds and continue to sound; the alarm will sound in seven seconds even if the child should go out the door and close the door. If for any reason the door is accidentally left open, the alarm will sound.

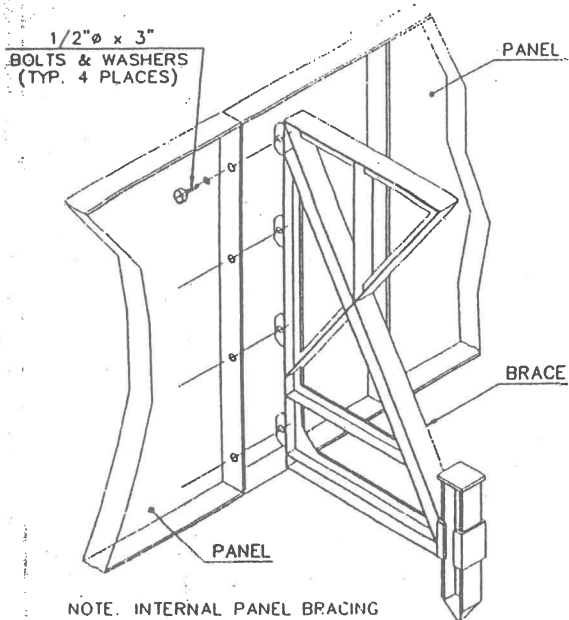
- UL Approved / UL 2017
- Important Safety Feature
- Complies with Building Codes
- Simple to Operate
- Automatic Reset
- Battery Powered
- Easy to Install
- Affordable Price
- Pass Through Feature for Adults
- Low Battery Indicator

# INCREASES POOL SAFETY

The **DOOR ALARM** meets the requirements of all building codes in the United States. The **DOOR ALARM** was designed specifically to meet the needs of the new barrier code requirements. The **DOOR ALARM** features are listed below:

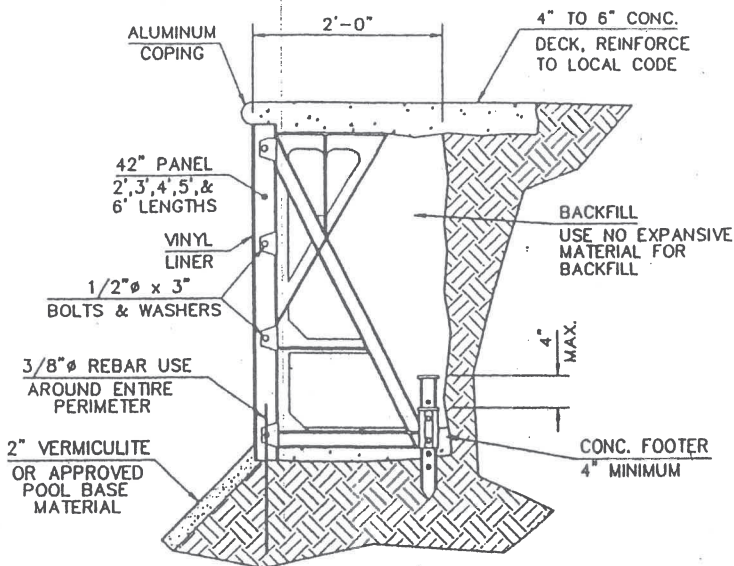
1. The **DOOR ALARM** is UL listed, UL#2017.
2. If a child opens the door the alarm sounds in 7 seconds and will continue to sound until someone comes to the door.
3. The alarm sounds if a child goes through the door - even if he closes the door behind him.
4. There is no on/off switch.
5. The alarm is always on and always automatically resets under all conditions.
6. The horn is 98 dB at 10 feet.
7. The alarm has a delay switch for adults to exit and enter without the alarm sounding.
8. The horn sound is different than other in house alarms.
9. The **DOOR ALARM** is designed to fit any type door or window and comes with all the necessary hardware for easy installation.
10. The **DOOR ALARM** has a low battery indicator.
11. The **DOOR ALARM** can be adapted to alarm the door and the screen door if present.
12. The **DOOR ALARM** uses one 9-VOLT battery; battery life is approximately one year.
13. The color of the alarm is white to match any household decor, indoor use only.
14. The **DOOR ALARM** has a one year warranty and repair.

# Assembly Drawings



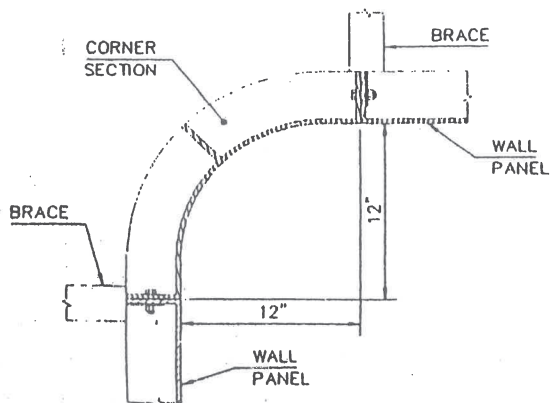
**STANDARD BRACE  
AND PANEL ASSEMBLY**

N.T.S.



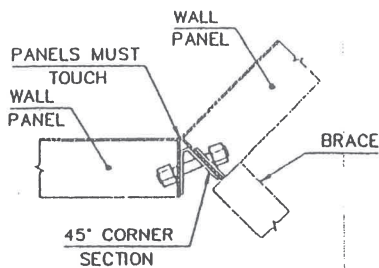
**TYPICAL SECTION**

3/4"=1'-0"



**TYPICAL (90°)  
CORNER ASSEMBLY**

N.T.S.



**TYPICAL (45°)  
CORNER ASSEMBLY**

N.T.S.

## GENERAL NOTES:

1. All pools are N.P.S.I. Type II and only Type II equipment is to be used, unless otherwise noted.
2. Vertical dimensions on all pools are from linear extrusions.

## EXCAVATION NOTES:

1. Surrounding land elevation to be 6" lower than top of pool.
2. 2' to be allowed all around pool for working area in excavation. All voids under panels to be filled and compacted in 6" to 8" layers.
3. At no time should compacted backfill exceed water level or vice versa more than 12".
4. Use non-expansive material (no clay content) for backfill (i.e., sand, gravel, etc.).

## FOUNDATION NOTES:

1. Footing design based on 2000 PSF soil bearing capacity (minimum).
2. Neither East Tennessee Engineering Co nor Hydra Pools, a division of Plastic Industries, Inc., shall be responsible for local foundation design, as local conditions must be investigated to determine proper soil bearing capacity.

## MATERIAL SPECIFICATIONS:

<b>Pool Panels</b>	Polystyrene PS 331
<b>Pool Braces</b>	Polypropylene
<b>Pool Liner</b>	20 MIL PVC Vinyl Liner
<b>Concrete</b>	f'c=3000 PSI @ 28 days
<b>Reinforcing Steel</b>	ASTM-A615-GR 60
<b>Vermiculite</b>	Light-weight aggregate concrete conforming to ACI 613A & ACI 318-83 Standard specifications Concrete wt = 75 PCF

