

REQUIREMENTS

Application must include two (2) copies of pool specification, plot plan showing the proposed location of Pool, Hot Tub or Spa. All pools must be 10 feet (horizontal) from overhead house electric service line, if not, line must be 22 feet above pool and 10 feet from any underground utilities, storm or sanitary sewer easements.

Exact dimensions and setbacks of improvements (filters, heaters, coping, decking) must be shown on plot plan. A grading plan may be required to ensure proper stormwater control to ensure neighboring property(s) are not affected.

All pools or spas will require a minimum 4 foot high barrier around the entire pool area per section AG105 Barrier Requirements in the 2009 International Residential Code. A self-locking, self-closing gate with latches, placed on the inside of the gate at least 3 inches from top, which swings out away from pool. All gaps within 18 inches of the latch shall be less than one half inch. If the wall of an above ground swimming pool is used as the barrier, then the ladder area shall be fenced to meet these requirements. Removable ladder is not acceptable. Hot-tubs require self-closing, self-latching tops per ASTM F1346 standards.

Where a wall of a house, garage or other structure is used as part of the barrier, doors and screen doors leading to the pool area shall be alarmed or shall be self-closing and self-latching with the latch located 54 inches minimum above floor level. Alarms shall sound no more than 7 seconds after the door is opened and last at least 30 seconds at a level of 85 decibels. Alarms shall reset automatically and be capable of being deactivated for no more than 15 seconds to permit a single passage. Deactivation touchpad(s) and switches shall be not less than 54 inches above the floor. For in-ground pools a temporary fence shall be placed at the time the pool is excavated and shall be maintained in place until a permanent fence is installed.

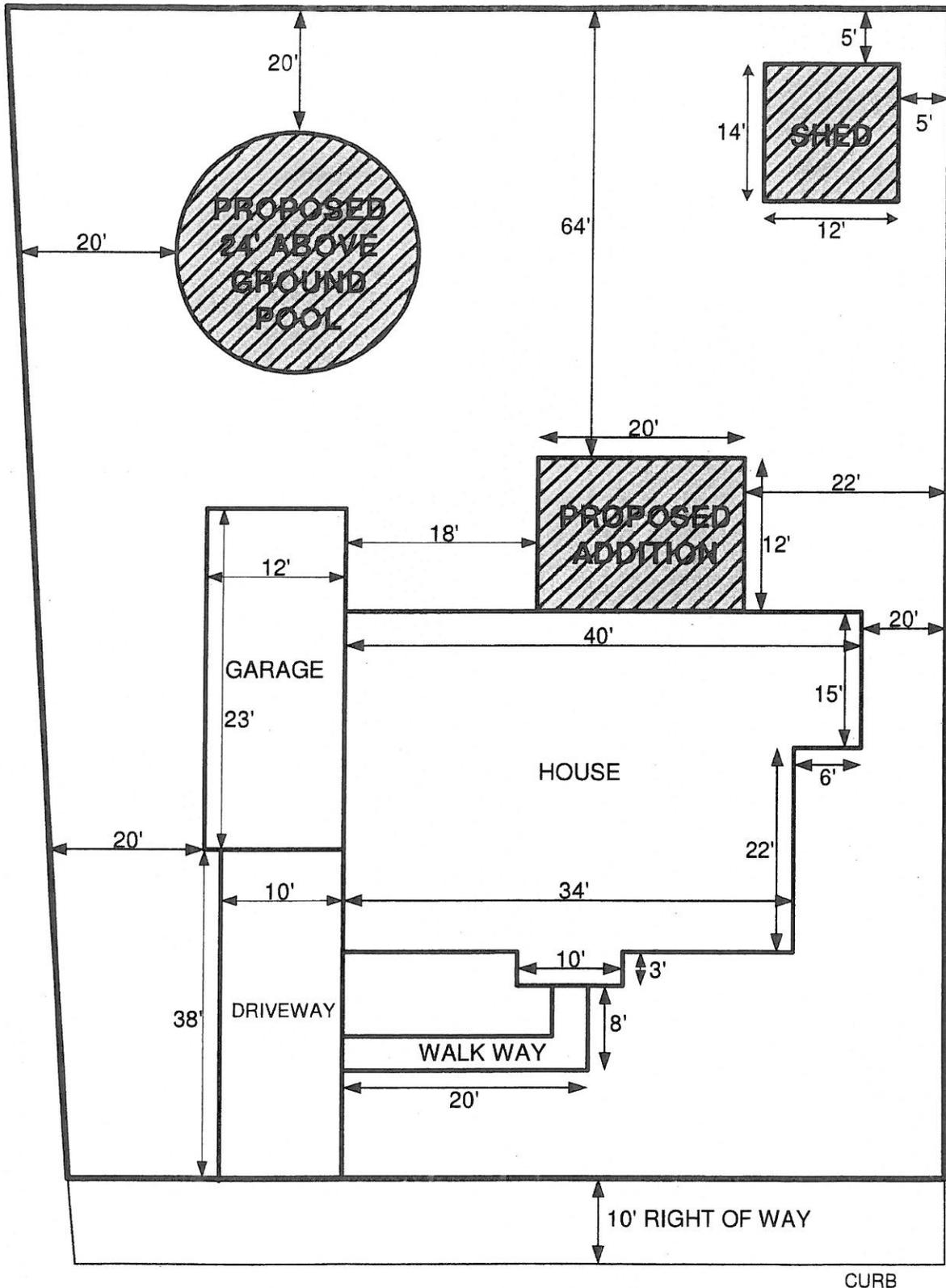
If a gas or propane heater is installed, the PA Energy Code requires a solar blanket to cover pool/spa or hot tub.

All plans must be reviewed for Zoning Conformity and by the Building Inspector prior to permit issuance.

I HAVE READ THE ABOVE AND AGREE TO COMPLY WITH ALL CODE REQUIREMENTS

Owner _____ Date _____

Sample Plot Plan:



123 Sample Street

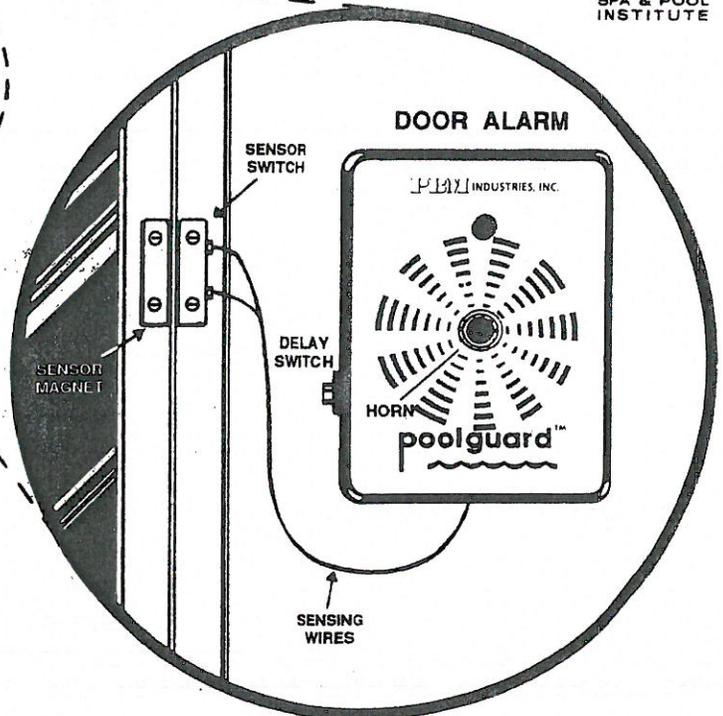
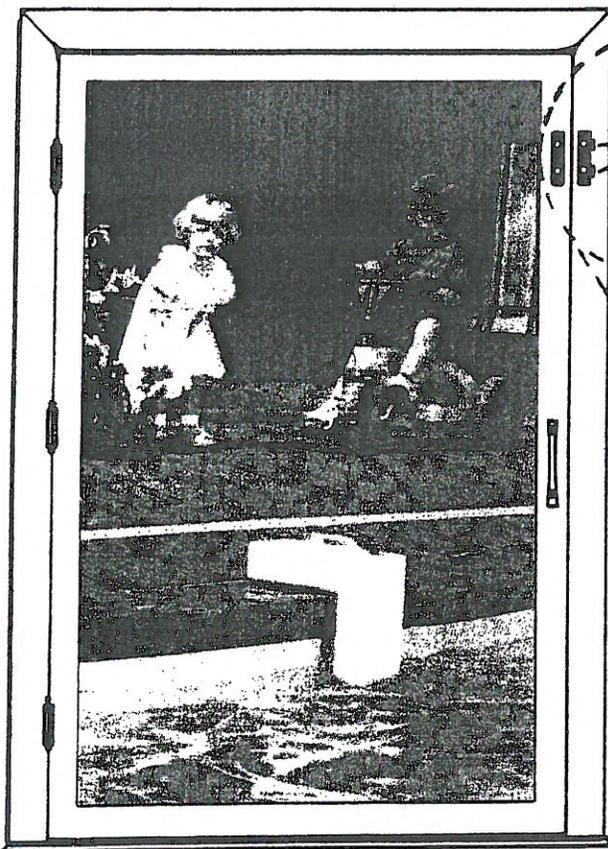
DOOR ALARM

MADE IN THE USA

poolguard®

PBM INDUSTRIES, INC.

MODEL DAPT



POOLGUARD DOOR ALARM

Poolguard 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 Poolguard 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. For further information, contact your local Poolguard distributor or call PBM Industries toll free. When you think of pool safety/security, think of Poolguard.

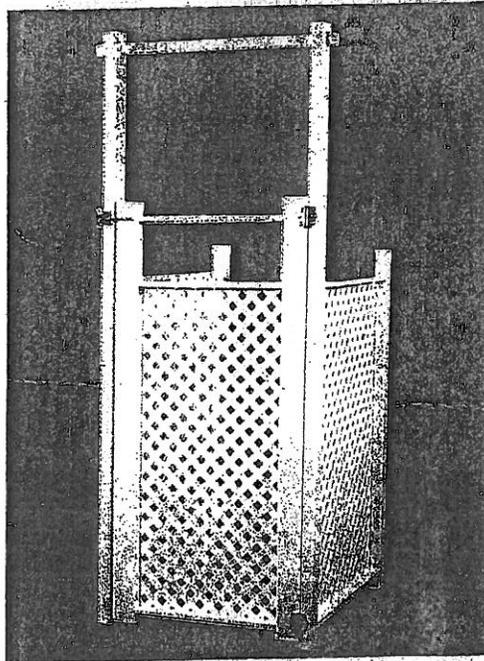
CALL TOLL FREE: 1-800-242-7163

P.O. Box 658 • North Vernon, Indiana 47265 • www.poolspace.com/poolguard

- UL Approved
- 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

Model 494 Ladder Enclosure



- Produced from maintenance free vinyl
- This three-sided enclosure is designed to be used with conventional a-frame ladders and to meet all code requirements
- The gate is spring-loaded, self closing, self-latching and lockable for pool security
- The enclosure is packaged sub-assembled for easy installation
- Can be used with both models of our Pool Fencing to totally enclose and secure pool

Vinyl Works Canada

quality by design

20 Bay 490 399 Goyham Road, Fiddesway, Ontario Canada L0S 1N0

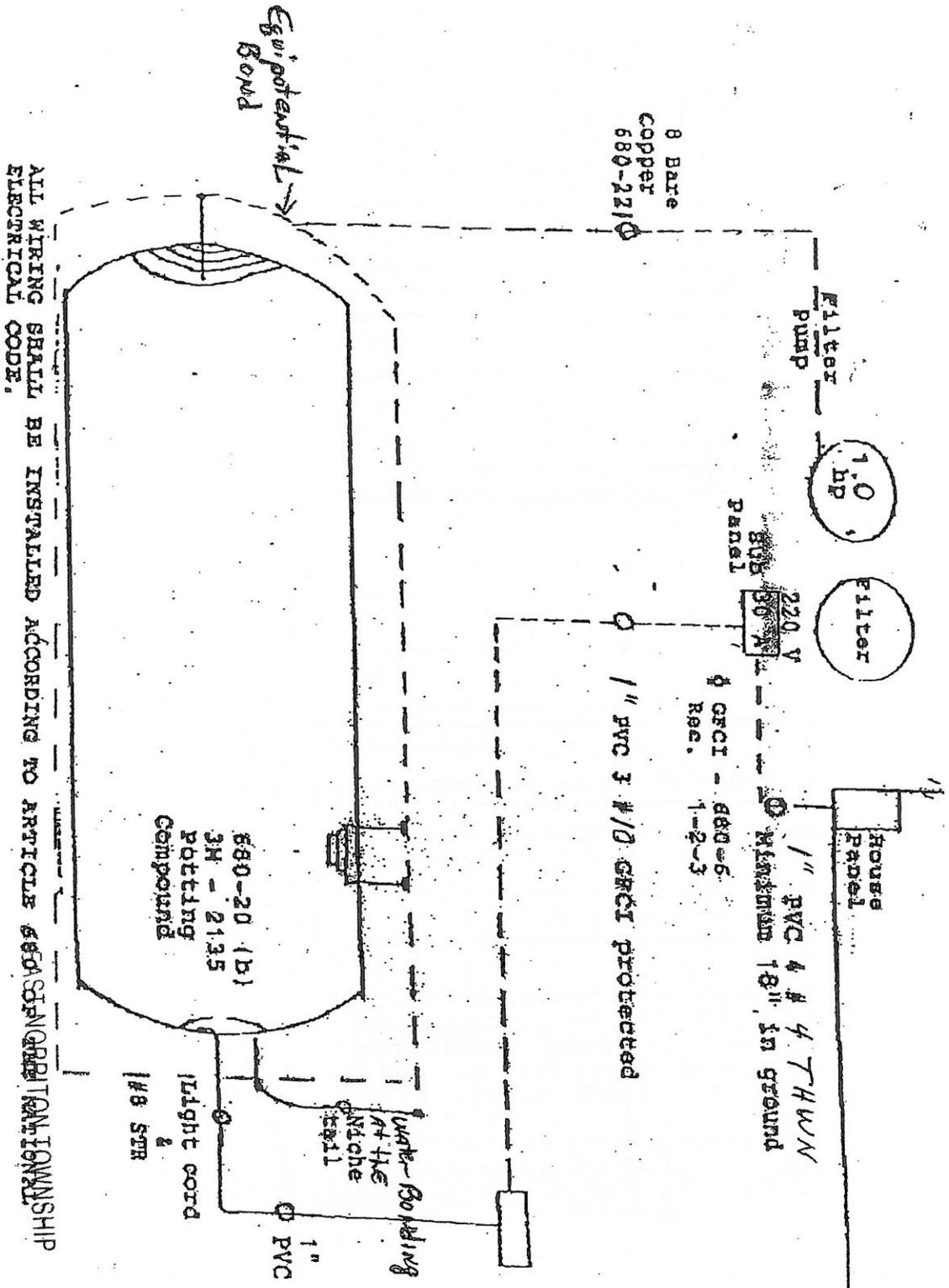
1-877-VINYL WK

Phone: 905-894-4433 / Fax: 905-894-5115

Email: office@vinylworkscanada.com

www.vinylworkscanada.com





8 Bare
Copper
680-2210

Equipotential
Bond

ALL WIRING SHALL BE INSTALLED ACCORDING TO ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE.

680-20 (b)
3M - 2135
potting
Compound

Light cord
#8 STR

Water Bonding
at the
Niche
wall
1" PVC

1" PVC 4 # 4 THWN
Minimum 18" in ground
GRCI - 880-6
Rec. 1-2-3

1" PVC 3 #10 GRCI protected

APPENDIX G

SWIMMING POOLS, SPAS AND HOT TUBS

(The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.)

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.

AG101.2 Pools in flood hazard areas. Pools that are located in flood hazard areas established by Table R301.2(1), including above-ground pools, on-ground pools and in-ground pools that involve placement of fill, shall comply with Sections AG101.2.1 or AG101.2.2.

Exception: Pools located in riverine flood hazard areas which are outside of designated floodways.

AG101.2.1 Pools located in designated floodways. Where pools are located in designated floodways, documentation shall be submitted to the *building official*, which demonstrates that the construction of the pool will not increase the design flood elevation at any point within the *jurisdiction*.

AG101.2.2 Pools located where floodways have not been designated. Where pools are located where design flood elevations are specified but floodways have not been designated, the applicant shall provide a floodway analysis that demonstrates that the proposed pool will not increase the design flood elevation more than 1 foot (305 mm) at any point within the *jurisdiction*.

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.

AG103.3 Pools in flood hazard areas. In flood hazard areas established by Table R301.2(1), pools in coastal high hazard areas shall be designed and constructed in conformance with ASCE 24.

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 $1\frac{3}{4}$ inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1\frac{3}{4}$ inches (44 mm) in width.
 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 (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 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 and *labeled* in accordance with UL 2017. 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 as 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, 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 and installed in accordance with ANSI/APSP-7.

