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June 1, 2024

Haddon Township Construction/Zoning Office

Swimming Pools

Necessary paperwork required to obtain a building permit for a swimming pool.

~ Zoning Permit (Must be obtained prior to submitting construction permit)

~ Construction Permit (The below pages must be completed and submitted)

- Permit Jack
- Building subcode sheet
- Electric subcode sheet
- Plumbing & Fire subcode sheets (if installing a gas heater)

Above Ground Pools

- Brochure of pool and filter
- Picture of drawing of ladder enclosure
- Wiring diagram showing location of outlets, type of wiring, depth of trench, over current protection and bonding. **(2 sets of sealed drawings are required or 2 sets of drawings signed by the homeowner if doing their own installation.)**
- Fencing per Haddon Township Zoning Code

In-Ground Pools

- 2 sets of sealed drawings
- 2 sets of sealed showing wiring diagram showing location of outlets, type of wiring, depth of trench, over current protection and bonding.
- Fencing per Haddon Township Zoning Code

Pool Setbacks

Side Yards: 10 Feet
Rear Yard: 10 Feet

From Structure: 10 Feet
Corner Lot: Contact Zoning Officer

Private residential swimming pools shall be permitted, provided that they meet the following standards:

- A. No pool shall be installed on any lot unless said lot shall contain a residence or shall accessory to a residence on an adjacent lot.
- B. Pools shall be set back a minimum of ten (10) feet from all side and rear property lines and shall not be located in the front yard.
- C. The pool area of in-ground pools shall be enclosed with a fence meeting the requirements of 176-63 of this chapter, with a self-closing, self-latching gate. Above ground pools shall be fenced, as above, or have a safety ladder.
- D. All filter systems shall be enclosed or separated so as to prevent their use as an access to the pool.
- E. Pools shall be located so as to not interfere with access to any occupied building or the operation of an on-lot water supply or waste disposal system.
- F. Pools shall be constructed and operated in accordance with all applicable health, safety and sanitary regulations for water filtration, circulation and treatment.
- G. Pools shall conform with requirements of chapter ss176-63 and 176-70 and the Haddon Township Zoning Requirements.

Electrical Requirements of Swimming Pools: For in-depth details please see NEC.

NEC 680.6 Receptacles

- (1) A ground-fault circuit-interrupter (GFCI) is required with weather proof cover within 10 feet to 20 feet from pool's edge.
- (2) A twist-lock type receptacle for pump is permitted 6 feet from pool's edge with cover to enclose plug while in use.

NEC 680.7 Cord and plug connected equipment

- (1) Flexible cord shall not exceed 3 feet in length and shall have a NO. 12 copper grounding conductor.

NEC 680.22 Bonding (NO. 8 Solid Copper)

THE FOLLOWING PARTS SHALL BE BONDED TOGETHER

- (1) All metallic parts of the pool structure.
- (2) All metal fittings within or attached to the pool.
- (3) Electric equipment associated with the pool-circulating system pump motor.
- (4) All fixed metal parts that are within 5 feet of pool's edge.
- (5) Ladder.

NEC 680.25 Grounding

- (1) Pool lighting and pool motors shall be connected to an equipment grounding conductor not smaller than NO. 12 insulated copper.

NEC 680.10 Underground wiring

- (1) Nonmetallic raceways (PVC) shall be a minimum 18".
- (2) U.F. Not permitted for pool wiring.



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HOMEOWNER POOL CERTIFICATION

Block: _____ Lot: _____ Address: _____

In accordance with N.J.A.C 5:23-2.23, NO POOL SHALL BE USED IN WHOLE OR IN PART UNTIL A CERTIFICATE OF APPROVAL HAS BEEN ISSUED BY THE TOWNSHIP'S CONSTRUCTION OFFICIAL.

I certify that I am the owner of the above referenced pool being built. I further certify that the pool will not be used in whole or in part until a permanent fence or pool barrier is installed and the Construction Official has issued a Certificate of Approval.

I have read the fence requirements listed below and understand them.

Print Owner's Name

Owner's Signature

Date

Sworn and subscribed to before me this _____ day of _____ 20_____

Notary Signature

Fence Requirements:

Barrier shall be a minimum of 60 inches above ground level. Openings shall not be greater than 4 inches for vertical balusters with horizontal concentrated load of 200 pounds applied on a 1-square-foot area at any point of fence. Maximum mesh size for chain link fencing shall not be more than 1 ¼ inch squares. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal member is less than 45 inches (1143mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical.

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 subject to this code. 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 3/4 inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a 2 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 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 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 1/2 inch (13 mm) within 18 inches (457 mm) of the release mechanism.
9. 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:
 - 9.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 8.

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**

See N.J.A.C. 5:23-3.15(b) 8vi. of the plumbing subcode.

**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-5-99 Standard for Residential In-ground Swimming Pools AG103.1
- 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 A112.19.8M-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

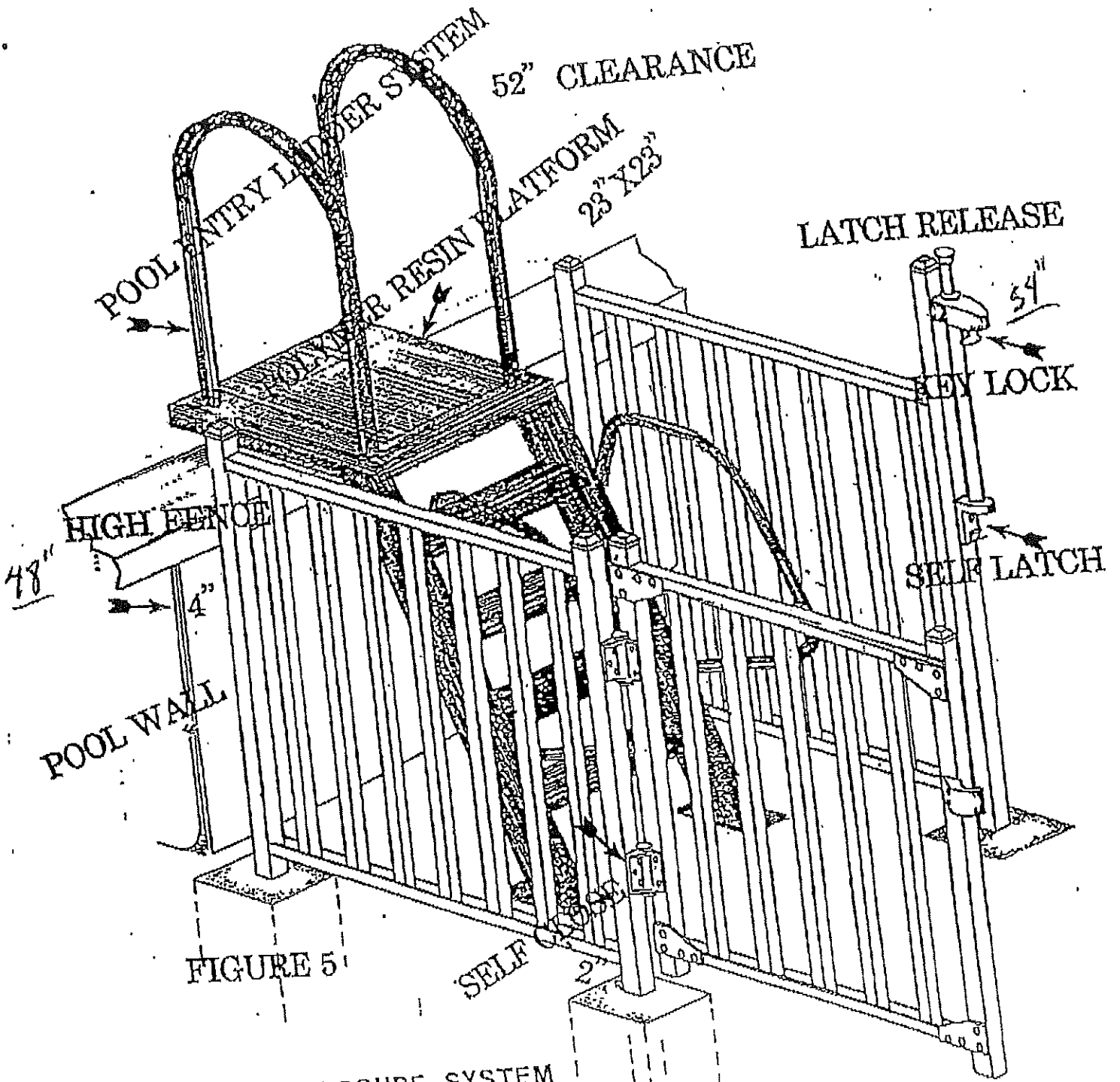
ASME

- ASME A112.19.17 Manufacturers Safety Vacuum Release Systems (SVRS) for Residential and Commercial Swimming Pool, Spa, Hot Tub and Wading Pool. AG106.3

UL

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

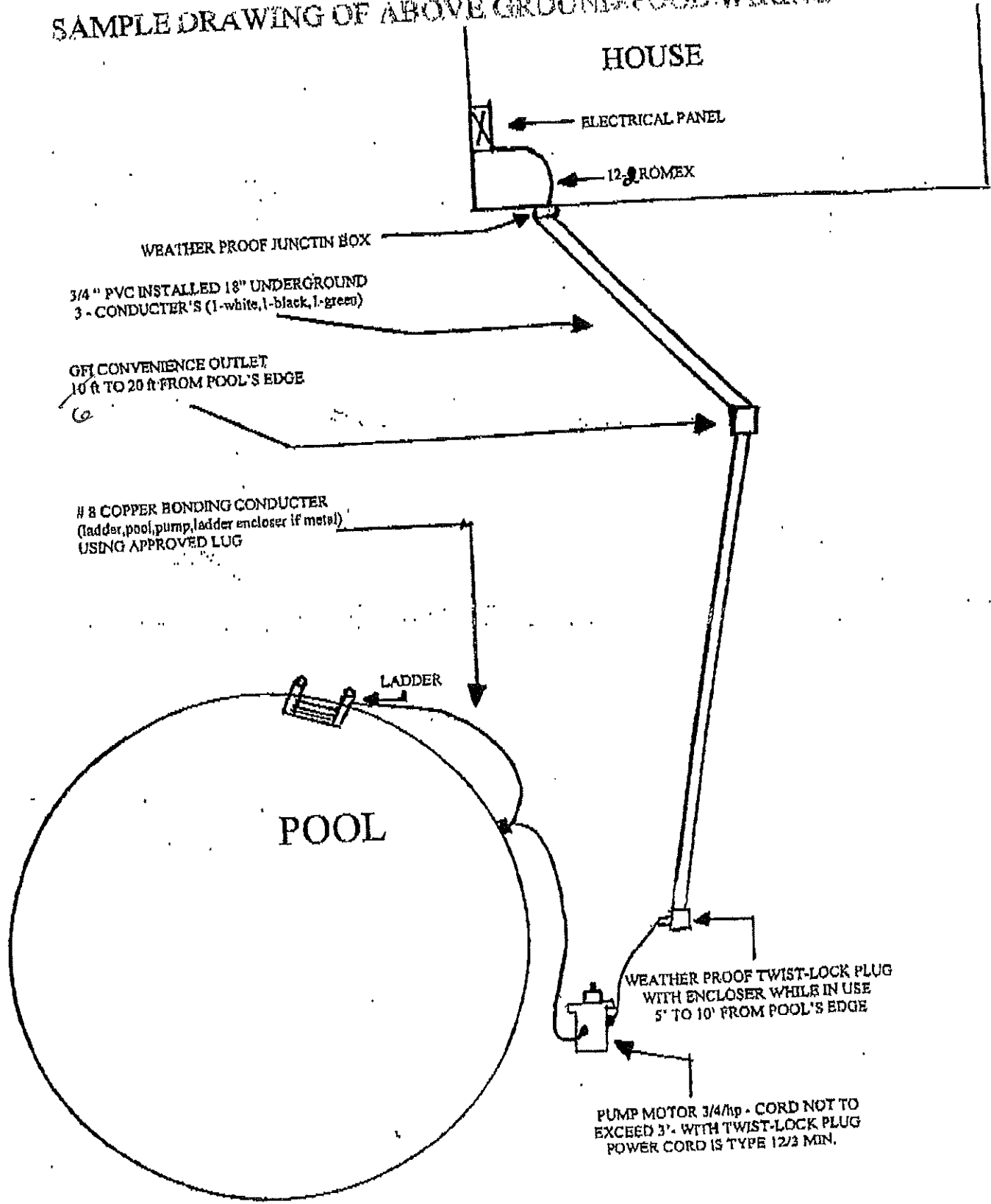
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ENCLOSURE FOR ABOVE GROUND OUTDOOR PRIVATE SWIMMING POOL



POOL ENTRY ENCLOSURE SYSTEM

MODEL BARRIER CODE ENCLOSURE

SAMPLE DRAWING OF ABOVE GROUND POOL WIRING



HOUSE

ELECTRICAL PANEL

12-2 ROMEX

WEATHER PROOF JUNCTIN BOX

3/4" PVC INSTALLED 18" UNDERGROUND
3- CONDUCTER'S (1-white, 1-black, 1-green)

GFI CONVENIENCE OUTLET
10 ft TO 20 ft FROM POOL'S EDGE

8 COPPER BONDING CONDUCTOR
(ladder, pool, pump, ladder encloser if metal)
USING APPROVED LUG

LADDER

POOL

WEATHER PROOF TWIST-LOCK PLUG
WITH ENCLUSER WHILE IN USE
5' TO 10' FROM POOL'S EDGE

PUMP MOTOR 3/4 hp - CORD NOT TO
EXCEED 3' - WITH TWIST-LOCK PLUG
POWER CORD IS TYPE 12/3 MIN.