

BOROUGH OF SOUTH PLAINFIELD
Building Department
2480 Plainfield Avenue
South Plainfield, New Jersey 07080
Tel: 908-226-7640 Fax: 908-754-1179

POOL INSTALLATION GUIDELINES

A. ZONING

Provide a completed Zoning Permit application with seventy-five-dollar (\$75.00) Zoning Permit Fee along with a TO SCALE copy of your property survey. Provide a completed Building Subcode, Electric Subcode and Construction Permit Jacket. Show all locations of pool, pool decks and any pool equipment or appurtenant structures. Pool and all equipment, decks must be located a minimum of five feet (5') from property lines on interior lots in the R-7.5 and R-10 zones. Ten feet (10') from rear, six feet (6') from side and forty feet (40') from front in R-15 zones. Pool and all equipment must be thirty feet (30') from secondary front property lines in R-7.5 and R-10 and forty feet (40') in R-15 zones (corner and through lots). Maximum BUILDING lot coverage is thirty-five percent (35%) with a pool present. **All swimming pools which contain over twenty-four inches (24") of water must obtain a permit.**

B. ABOVE-GROUND POOLS

Provide a copy of manufacturers' install instructions. All pools must have a forty-eight inch (48") high barrier enclosing the pool with a SELF-CLOSED and SELF-LATCHING gate that opens away from the pool and must provide that the pool wall is forty-eight inches (48") above grade for the entire pool perimeter. The access ladder or stairs are enclosed with a code complying barrier and gate. See code requirements for barrier and gates. You must submit a detailed drawing showing the location and type of barriers and gate you will be installing and location of latching release mechanism.

NOTE: PERIMETER YARD FENCES BEING USED AS A POOL BARRIER SHALL BE CODE COMPLIANT AND OWNED BY THE POOL PROPERTY OWNER. FENCE SHARING WITH A NEIGHBORING PROPERTY IS PROHIBITED. NO EXCEPTIONS.

C. IN-GROUND POOLS

Provide two (2) sets of SEALED construction documents done by a New Jersey Professional Engineer or Architect showing dimensions and construction of the pool and appurtenances as well as details of the water supply system, drainage and water disposal systems and equipment. Detailed construction documents of structures, vertical elevations and section through the pool showing depth shall be included.

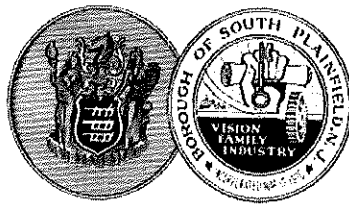
Provide diving board details as per reference standards.

Provide barrier and gate details same as above.

Provide latches at fifty-four inch (54") minimum height from grade.

Additional pool/spa requirements are referenced in the International Swimming Pool and Spa Code.

Provide plot plan / grading plan by a Professional Engineer or Licensed Land Surveyor.



ABOVE-GROUND POOL BARRIER CODE REQUIREMENT

New above-ground pools must be protected from entry by one (1) of the following methods:

1. The pool wall must be a minimum of forty-eight inches (48") above grade for the entire pool perimeter and the ladder access must be enclosed with a forty-eight inch (48") high code complying barrier (self-closing, self-latching gate which opens away from the pool area). The release mechanism and barrier material must meet all code requirements.
2. A minimum forty-eight inch (48") high barrier that complies with all the requirements in #1 must enclose the entire pool/yard.

New above ground pools with decks or existing above ground pools, which add decks that access the pool, must be protected from entry by one (1) of the following methods.

1. The pool wall must be forty-eight inches (48") above grade for the entire pool perimeter and a forty-eight inch (48") high code complying barrier must be installed on the deck to prevent unauthorized entry.
2. A minimum forty-eight inch (48") high barrier that complies with all the requirements in #1 must enclose the entire pool/deck/yard.

Stockade type fences must have the smooth side facing away from the pool.

Board on board type fences must not have more than 1 $\frac{3}{4}$ " opening between the vertical members on the side facing away from the pool. See Example #1. Horizontal members shall not be less than forty-five inches (45") between top edges of any two (2) members.

Maximum mesh size for chain link fences shall be 1 $\frac{3}{4}$ " square.

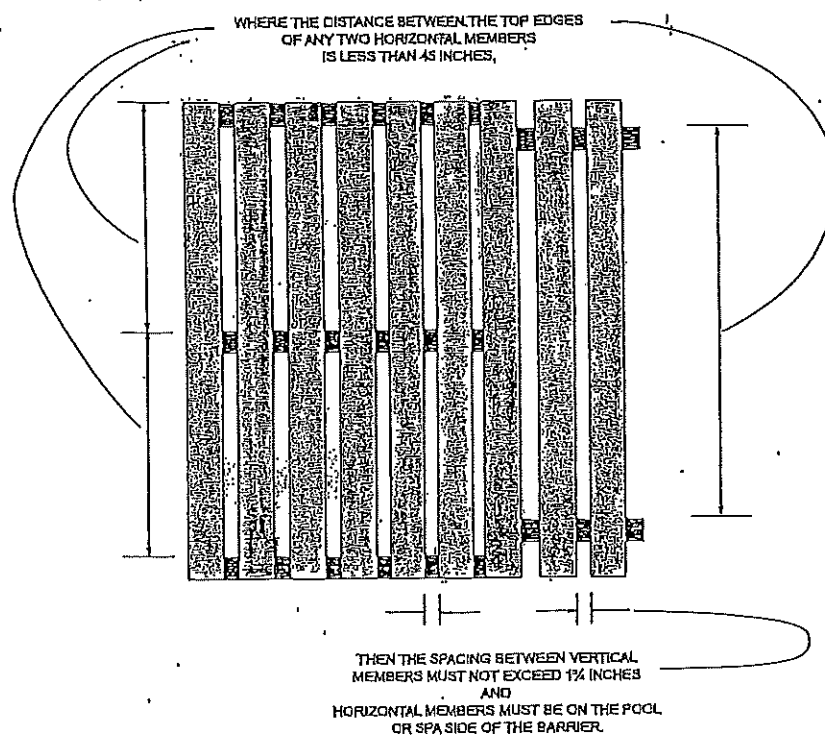
Vertical openings for decorative and ornamental type fences with openings greater than 1 $\frac{3}{4}$ " to less than four inches (4"), the horizontal members shall not be less than forty-five inches (45") between the top edge of any two (2) members. See Example #2.

Deck pool barriers made of horizontal and vertical members must have no more than a 1 $\frac{3}{4}$ " opening between the vertical members and the horizontal members must be on the poolside.

All barriers shall be owned by and on the pool owner's property.

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EXAMPLE #1



For SI: 1 inch = 25.4 mm.

FIGURE 305.2.5(1)
MAXIMUM SPACING BETWEEN VERTICAL MEMBERS WHERE
DISTANCE BETWEEN TOP OF HORIZONTAL MEMBERS IS LESS THAN 45 INCHES

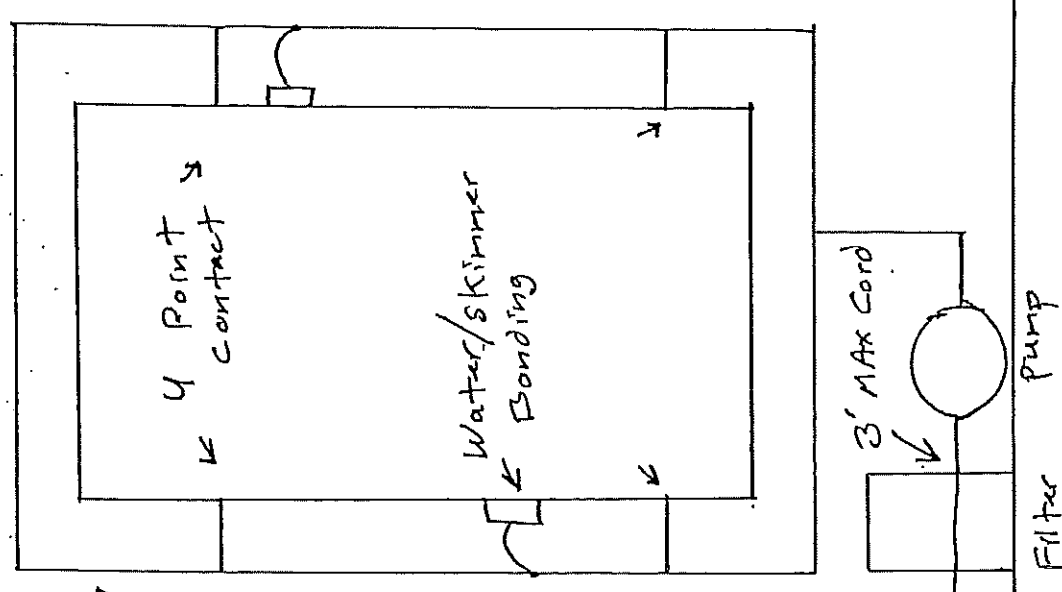
Sample Wiring Layout
 Consult with licensed
 Electrical Contractor

GFCI Protection
 Required

not less than 6' or
 more than 20' from
 pool wall

Time clock for
 pump control

Pool Bonding
 #8 Solid
 Bare Copper
 18" from pool wall
 6" Bury



Pump outlet
 6' from pool wall

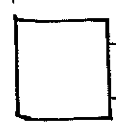
In Use Covers

Aux outlet
 Separate Circuit

PVC Conduit 18" Bury Depth
 Conductors #12 THHN/THWN Type

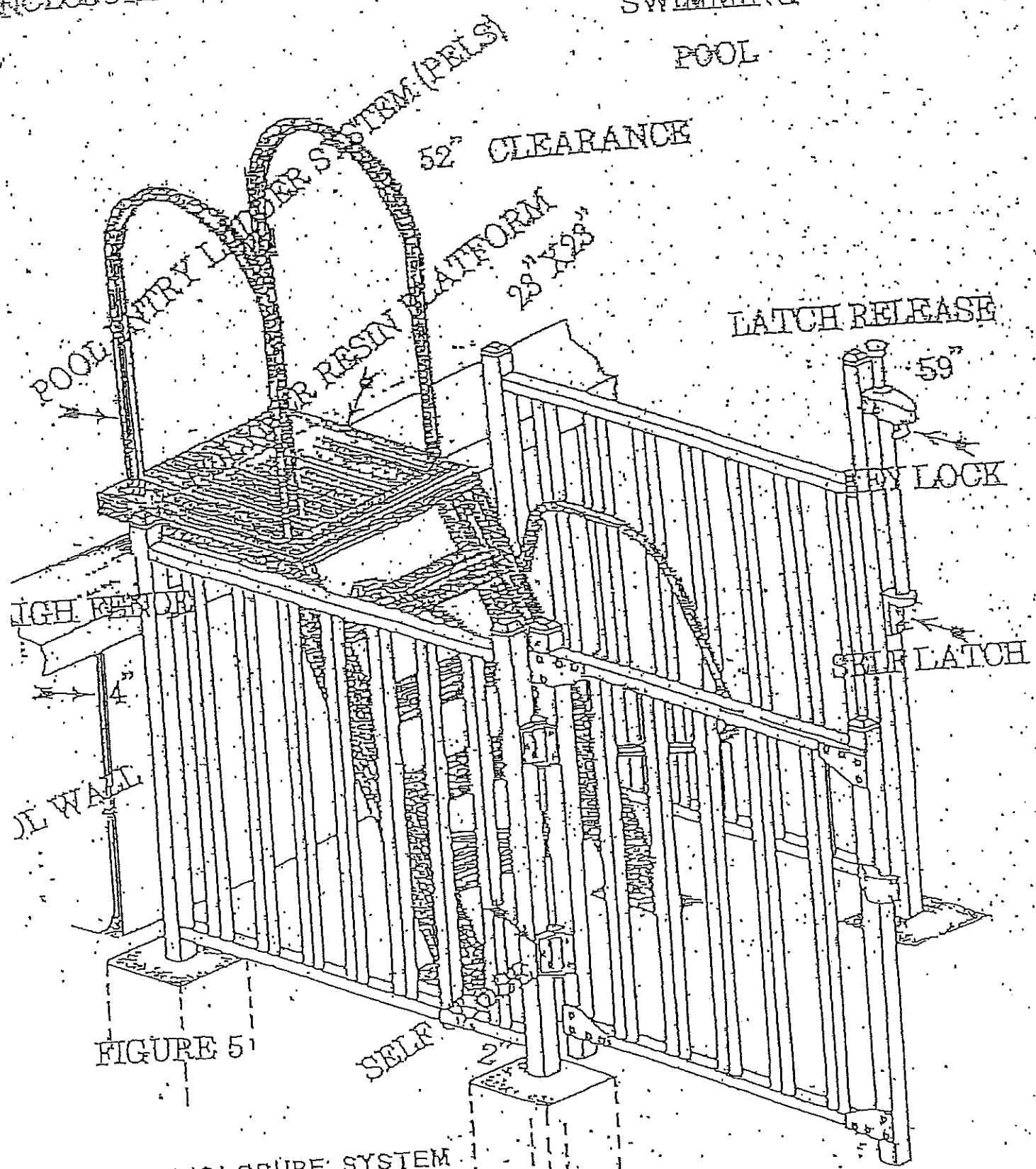
No UF Wire

Panel



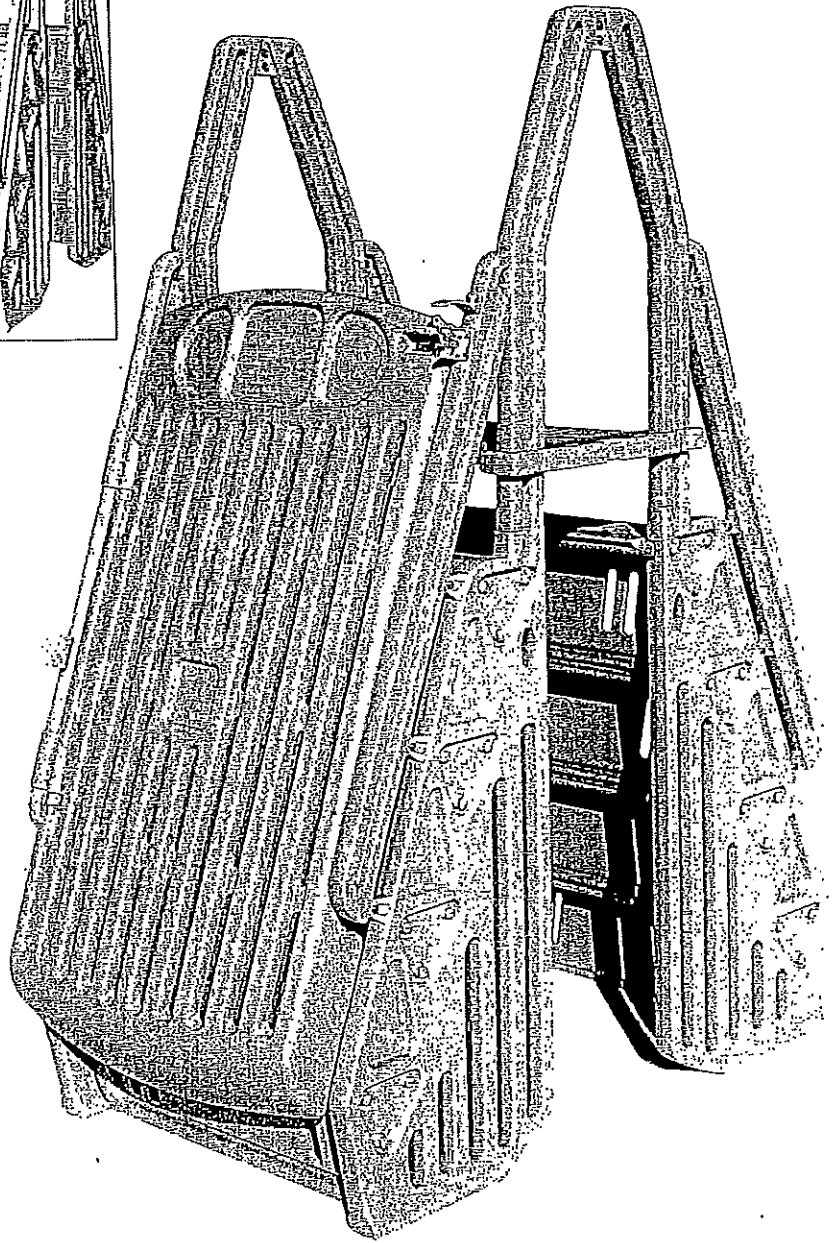
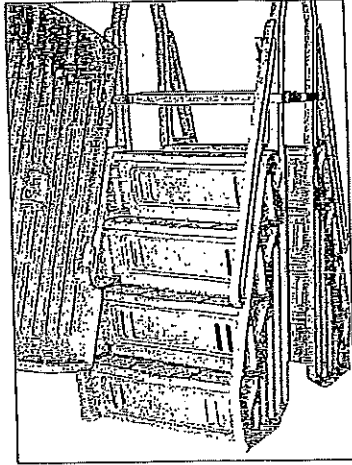
ENCLOSURE SYSTEM

SWIMMING
POOL



POOL ENTRY ENCLOSURE SYSTEM
(PEES)

MODEL BARRIER CODE ENCLOSURE





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POOL BARRIER / FENCE OWNERSHIP

I, _____, am the owner of the
property located at _____ in the
Borough of South Plainfield acknowledge that the **Pool Barrier /**
Fence surrounding the perimeter of my property is located on my
property and owned by me. No portion of the **Pool Barrier / Fence** is
shared or owned by any other adjoining property.

Print owner(s) name

Date

Owner(s) signature

Date