

SWIMMING POOL

A swimming pool permit is required when installing a swimming pool or wading pool more than 24" deep, regardless if it is a permanent installation or seasonal/temporary style pool.

Swimming pools must meet the required yard setbacks for the zoning district in which they are located. In most residential zones, the side and rear yard setbacks are 15 feet from the property line; front setbacks vary from 50 feet to 30 feet.

There are specific electrical requirements for swimming pool filter systems, pump motors, lighting, and heating systems. It is recommended that a licensed electrician install these elements to ensure that the installation is safe and code compliant. In-ground pools require fencing; some above-ground pools may require fencing or guarding also, depending on their location and any adjacent structures such as decks or porches.

You will need to submit the following for a building permit to install a residential swimming pool.

- Proof of right, title, or interest (deed, purchase and sales agreement, etc.)
- Completed Pool Permit Application
- Site plan (see plan submittal checklist) showing location of pool and other structures.
- Scaled drawing of the pool, including dimensions.
- Manufacturer supplied information, sections and details.
- If installing a deck, please include framing plan, sections, stair and handrail details (see plan submittal checklist)
- Electronic plans (cd, thumb drive or email) to: SUBMITTALS@SCARBOROUGHMAINE.ORG

Building permit fee will be based on \$0.25 per square foot of pool area and any poured concrete skirting around the perimeter. This is payable when the pool permit has been approved.

Decks, pool houses, and other structures will require a separate building permit. Dry laid stone patios are considered landscaping and do not require a permit.

An electrical permit will be required for the electrical components of the pool installation. Electrical permit application is required with the pool application submittal. If you don't know the electrician you will be using, they can update the application prior to start of electrical work.

Please note: Inspections and fencing/safety barriers are required prior to use of pool. This will be strictly enforced.

ATTENTION POOL OWNER

Title 22: HEALTH AND WELFARE

Subtitle 2: HEALTH

Part 3: PUBLIC HEALTH HEADING: PL 1989, C. 487, §11 (RPR)

Chapter 266: SWIMMING POOLS

§1632. Enclosure of swimming pool required

A fence shall be erected and maintained around every swimming pool, except that portable above-ground swimming pools with sidewalls of at least 24 inches in height are exempted. A dwelling house or accessory building may be used as part of this enclosure. All gates or doors opening through this enclosure shall be capable of being securely fastened at all times when not in actual use. [1983, c. 436, (NEW).]

SECTION HISTORY

1983, c. 436, (NEW).

Title 22: HEALTH AND WELFARE

Subtitle 2: HEALTH

Part 3: PUBLIC HEALTH HEADING: PL 1989, C. 487, §11 (RPR)

Chapter 266: SWIMMING POOLS

§1633. Penalty

Any person who does not comply with this chapter within 30 days, after receiving written notice that he is in violation of its provisions, commits a civil violation for which a forfeiture of not more than \$500 may be adjudged. Each day a violation continues shall be a separate violation. [1983, c. 436, (NEW).]

SECTION HISTORY

1983, c. 436, (NEW).

Town of Scarborough, Maine

SWIMMING POOL PERMIT

Property address:

Property owner:

Contractor:

Mailing address:
(if different)

Address:

Town/City:

Town/City:

State/Zip Code:

State/Zip Code:

Phone:

Cell Phone:

Phone:

Cell Phone:

Email address:

Email address:

Above Ground

In Ground

Vinyl/Fiberglass

Gunite

Pool Dimension

Deck Size

Poured Concrete Dimensions

Fence Height

Dry-laid Patio Stone Dimensions

Start Date:

Estimated Completion Date:

Estimated Cost of Construction:\$

ATTENTION!!

Inspections are required prior to Use of the Pool. At least 1 electrical inspection and 1 pool inspection will be necessary, and additional inspections will be determined by Code Official. **Fencing or safety barrier must be installed prior to pool use.** Failure to schedule inspections and/or receive final approval by the Inspector will constitute Occupancy without a Certificate. Fines will be imposed at a rate not less than One Hundred Dollars (\$100.00) per day, nor more than Twenty-Five Hundred Dollars (\$2500.00) per day.

(INITIAL ACKNOWLEDGEMENT)

X

Applicant: Owner Contractor

Print Name

DATE:

NOTE: THIS PERMIT IS NOT CONSIDERED ISSUED UNTIL IT IS PAID FOR AND RECEIVED BY OWNER OR CONTRACTOR

ADMINISTRATIVE SECTION CODE USE ONLY

Permit Conditions:

Code Enforcement Officer: _____ Date: _____

IRC 2015 IEBC 2015 IECC 2015

Permit Number: _____

Application Number: _____

Map/Lot: _____ Zone: _____ Overlay Zone: _____

Permit Fee: \$ _____

Square Footage Finished: _____ Unfinished: _____

259 US ROUTE ONE, PO BOX 360 SCARBOROUGH, MAINE 04070-0360

PHONE: 207-730-4040

SUBMITTALS@SCARBOROUGHMAINE.ORG

WWW.SCARBOROUGHMAINE.ORG

Town of Scarborough, Maine

ELECTRICAL PERMIT

Job Address:

Date:

Property Owner:

Phone:

Mailing address (if different):

Electrician:

Phone:

Address:

License #:

Email Address:

Description of Work:

Description	Fee	Total
SERVICE INSPECTION	\$30.00	
3 PHASE POWER	\$30.00	
SQ FT	@.05	
(MIN \$30.00)	SQFT	
GARAGE	\$30.00	
METER/PANEL UPGRADE	\$30.00	
POOLS/ HOT TUBS/SPA	\$30.00	
STORAGE/UTILITY SHED	\$30.00	
GENERATOR	\$30.00	
HEAT PUMP	\$30.00	
EV CHARGER	\$30.00	
SOLAR PANELS	\$30.00	
YARD LIGHTS UP TO 6	\$40.00	
ADDITION YARD LIGHT	\$10.00	
COMM RENO PER FIXTURE	\$3.00	
(MIN \$30.00) (COMM ONLY) FIXTURE		
EACH SIGN	\$30.00	
TRANSFORMER	\$30.00	
MISCELLANEOUS	\$30.00	
ADMINISTRATIVE FEE	\$30.00	\$30.00

TOTAL DUE:

CMP WO # 103

Overhead Underground

Meters Service Size

New Alter.

Repair Add

Other

All work shall be done in accordance with the Laws of Maine, the Ordinance of The Town of Scarborough and the application submitted to this department.

***Minimum permit fee is \$60.00**

Applicant Signature

Owner

Electrician

Print Name

**NO WIRING SHALL BE COVERED OR CONCEALED UNTIL IT HAS BEEN INSPECTED AND APPROVED.
NOTIFICATION FOR INSPECTIONS MUST BE GIVEN AT LEAST 48 HOURS IN ADVANCE.**

ADMINISTRATIVE SECTION CODE USE ONLY

Application # _____ Approved by _____ Date _____

Map/Lot # _____ Permit # _____

259 US ROUTE ONE, PO BOX 360 SCARBOROUGH, MAINE 04070-0360
SUBMITTALS@SCARBOROUGHMAINE.ORG
WWW.SCARBOROUGHMAINE.ORG
207-730-4040

POOL PERMIT APPLICATION CHECKLIST

Pools and Decks:

- Required information on Plan Submittal Checklist
- Completed building permit application
- Completed electrical permit application
- **Incomplete applications will not be processed**
- **Fee is determined by the building inspector and is due when permit is issued**

Note: The State of Maine has adopted the following codes and standards and has mandated that Scarborough enforce these codes as well as all existing fire and life safety codes as of April 7, 2025:

2021 International Building Code	2019 ASHRAE 62.1, Commercial Ventilation Std.
2021 International Residential Code	2019ASHRAE 62.2, Residential Ventilation Std.
2021 International Energy Conservation Code	2019 ASHRAE 90.1, Commercial Energy Standard
2021 International Existing Building Code	2008 ASTM E 1465, Radon Code
2021 Uniform Plumbing Code	2023 National Electric Code (NFPA 70)

The building codes can be found online at <http://publicecodes.cyberregs.com/icod/index.htm>

Note: For all projects in the shoreland zone involving filling, grading or other soil disturbance, you must provide a soil erosion control plan describing the measures to be taken to stabilize areas before, during, and after construction.

Additional permits may be required if your project is in:

- a Special Flood Hazard Area as depicted on the Town of Scarborough's Flood Insurance Rate Maps found at <https://sites.google.com/a/scarboroughmaine.org/town/departments/public-works/webgis>
- a frontal or back dune area as shown on the Scarborough Coastal Sand Dune Geology Maps found online at <http://www.maine.gov/dacf/mgs/pubs/online/dunes/dunes.htm>
- an area that includes wetlands or wildlife habitat

POOL PLAN SUBMITTAL CHECKLIST

Complete plan sets drawn on the following paper size are required

- One set drawn to the scale required below and one set of electronic plans 8 ½ x 11 or larger.
- **Acceptable forms for Electronic plan submittal include CD, flash drive or email to:
SUBMITTALS@SCARBOROUGHMAINE.ORG**

Complete plan sets will contain the following information. Incomplete sets will not be accepted

- Site plan drawn to 1:20 scale or larger and containing the following
 - North arrow
 - Distance of all building setbacks measured perpendicular to property lines
 - Distance between buildings
 - Exact position of all new construction and existing structures (including accessory structures).
 - Location of septic tank, leach field and well if applicable, with measured distances
 - Any wetlands or water bodies and setback distances from shoreline if applicable
 - Utility Connections
 - Driveway location
 - Street names
 - Easements, rights of ways, water courses and areas restricted by covenant
 - Area of lot; area to be cleared for construction if applicable
 - Erosion and sediment control measures per “Typical BMP’s for House lots” handout
- Pool Information drawn to 3/16 scale or larger and containing the following
 - Overall dimensions.
 - Manufacturer supplied information, sections and details.
 - Brochure or contract from pool company.
- Deck drawn to ¼ scale or larger containing the following
 - Framing plan and section
 - Stair and handrail details

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 drowning and near-drowning 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 1³/₄ inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a 2¹/₄-inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1³/₄ 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 1³/₄ 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 (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 E4204 BONDING

E4204.1 Performance. The equipotential bonding required by this section shall be installed to reduce voltage gradients in the pool area as prescribed.

E4204.2 Bonded parts. The parts of pools, spas, and hot tubs specified in Items 1 through 7 shall be bonded together using insulated, covered or bare solid copper conductors not smaller than 8 AWG or using rigid metal conduit of brass or other identified corrosion-resistant metal. An 8 AWG or larger solid copper bonding conductor provided to reduce voltage gradients in the pool, spa, or hot tub area shall not be required to be extended or attached to remote panelboards, service equipment, or electrodes. Connections shall be made by exothermic welding or by listed pressure connectors or clamps that are labeled as being suitable for the purpose and that are made of stainless steel, brass, copper or copper alloy. Connection devices or fittings that depend solely on solder shall not be used. Sheet metal screws shall not be used to connect bonding conductors or connection devices:

1. Conductive pool shells. Bonding to conductive pool shells shall be provided as specified in Item 1.1 or 1.2. Poured concrete, pneumatically applied or sprayed concrete, and concrete block with painted or plastered coatings shall be considered to be conductive materials because of their water permeability and porosity. Vinyl liners and fiberglass composite shells shall be considered to be nonconductive materials.

1.1. Structural Reinforcing Steel. Unencapsulated structural reinforcing steel shall be bonded together by steel tie wires or the equivalent. Where structural reinforcing steel is encapsulated in a nonconductive compound, a copper conductor grid shall be installed in accordance with Item 1.2.

1.2. Copper Conductor Grid. A copper conductor grid shall be provided and shall comply with Items 1.2.1 through 1.2.4:

1.2.1. It shall be constructed of minimum 8 AWG bare solid copper conductors bonded to each other at all points of crossing.

1.2.2. It shall conform to the contour of the pool and the pool deck.

1.2.3. It shall be arranged in a 12 inch (305 mm) by 12 inch (305 mm) network of conductors in a uniformly spaced perpendicular grid pattern with a tolerance of 4 inches (102 mm).

1.2.4. It shall be secured within or under the pool not more than 6 inches (152 mm) from the outer contour of the pool shell.

2. Perimeter surfaces. The perimeter surface shall extend for 3 feet (914 mm) horizontally beyond the inside walls of the pool and shall include unpaved surfaces, poured concrete and other types of paving. Bonding to perimeter surfaces shall be provided as specified in Item 2.1 or 2.2 and shall be attached to the pool, spa, or hot tub reinforcing steel or copper conductor grid at a minimum of four points uniformly spaced around the perimeter of the pool, spa, or hot tub. For nonconductive pool shells, bonding at four points shall not be required.

2.1. Structural Reinforcing Steel. Structural reinforcing steel shall be bonded in accordance with Item 1.1.

2.2. Alternate Means. Where structural reinforcing steel is not available or is encapsulated in a nonconductive compound, a copper conductor(s) shall be used in accordance with Items 2.2.1 through 2.2.5:

2.2.1. At least one minimum 8 AWG bare solid copper conductor shall be provided.

2.2.2. The conductors shall follow the contour of the perimeter surface.

2.2.3. Splices shall be listed.

2.2.4. The required conductor shall be 18 to 24 inches (457 to 610 mm) from the inside walls of the pool.

2.2.5. The required conductor shall be secured within or under the perimeter surface 4 to 6 inches (102 mm to 152 mm) below the subgrade.

3. Metallic components. All metallic parts of the pool structure, including reinforcing metal not addressed in Item 1.1, shall be bonded. Where reinforcing steel is encapsulated with a nonconductive compound, the reinforcing steel shall not be required to be bonded.
4. Underwater lighting. All metal forming shells and mounting brackets of no-niche luminaires shall be bonded.

Exception: Listed low-voltage lighting systems with nonmetallic forming shells shall not require bonding.

5. Metal fittings. All metal fittings within or attached to the pool structure shall be bonded. Isolated parts that are not over 4 inches (102 mm) in any dimension and do not penetrate into the pool structure more than 1 inch (25.4 mm) shall not require bonding.
6. Electrical equipment. Metal parts of electrical equipment associated with the pool water circulating system, including pump motors and metal parts of equipment associated with pool covers, including electric motors, shall be bonded.

Exception: Metal parts of listed equipment incorporating an approved system of double insulation shall not be bonded.

- 6.1. Double-Insulated Water Pump Motors. Where a double-insulated water pump motor is installed under the provisions of this item, a solid 8 AWG copper conductor of sufficient length to make a bonding connection to a replacement motor shall be extended from the bonding grid to an accessible point in the vicinity of the pool pump motor. Where there is no connection between the swimming pool bonding grid and the equipment grounding system for the premises, this bonding conductor shall be connected to the equipment grounding conductor of the motor circuit.
- 6.2. Pool Water Heaters. For pool water heaters rated at more than 50 amperes and having specific instructions regarding bonding and grounding, only those parts designated to be bonded shall be bonded and only those parts designated to be grounded shall be grounded.
7. Metal wiring methods and equipment. Metal-sheathed cables and raceways, metal piping, and all fixed metal parts shall be bonded.

Exceptions:

1. Those separated from the pool by a permanent barrier shall not be required to be bonded.
2. Those greater than 5 feet (1524 mm) horizontally from the inside walls of the pool shall not be required to be bonded.
3. Those greater than 12 feet (3658 mm) measured vertically above the maximum water level of the pool, or as measured vertically above any observation stands, towers, or platforms, or any diving structures, shall not be required to be bonded.

E4204.3 Pool water. The pool water shall be intentionally bonded by means of a conductive surface area not less than 9 square inches (5806 mm²) installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in [Section E4204.2](#).

E4204.4 Bonding of outdoor hot tubs and spas. Outdoor hot tubs and spas shall comply with the bonding requirements of [Sections E4204.1](#) through [E4204.3](#). Bonding by metal-to-metal mounting on a common frame or base shall be permitted. The metal bands or hoops used to secure wooden staves shall not be required to be bonded as required in [Section E4204.2](#).

E4204.5 Bonding of indoor hot tubs and spas. The following parts of indoor hot tubs and spas shall be bonded together:

1. All metal fittings within or attached to the hot tub or spa structure.

2. Metal parts of electrical equipment associated with the hot tub or spa water circulating system, including pump motors.
3. Metal raceway and metal piping that are within 5 feet (1524 mm) of the inside walls of the hot tub or spa and that are not separated from the spa or hot tub by a permanent barrier.
4. All metal surfaces that are within 5 feet (1524 mm) of the inside walls of the hot tub or spa and that are not separated from the hot tub or spa area by a permanent barrier.

Exceptions:

1. Small conductive surfaces not likely to become energized, such as air and water jets and drain fittings, where not connected to metallic piping, towel bars, mirror frames, and similar nonelectrical equipment, shall not be required to be bonded.

2. Metal parts of electrical equipment associated with the water circulating system, including pump motors that are part of a listed self-contained hot tub or spa.

5. Electrical devices and controls that are not associated with the hot tubs or spas and that are located less than 5 feet (1524 mm) from such units.

E4204.5.1 Methods. All metal parts associated with the hot tub or spa shall be bonded by any of the following methods:

1. The interconnection of threaded metal piping and fittings.
2. Metal-to-metal mounting on a common frame or base
3. The provision of an insulated, covered or bare solid copper bonding jumper not smaller than 8 AWG. It shall not be the intent to require that the 8 AWG or larger solid copper bonding conductor be extended or attached to any remote panelboard, service equipment, or any electrode, but only that it shall be employed to eliminate voltage gradients in the hot tub or spa area as prescribed.

E4204.5.2 Connections. Connections shall be made by exothermic welding or by listed pressure connectors or clamps that are labeled as being suitable for the purpose and that are made of stainless steel, brass, copper or copper alloy. Connection devices or fittings that depend solely on solder shall not be used. Sheet metal screws shall not be used to connect bonding conductors or connection devices.

SECTION E4205 GROUNDING

E4205.1 Equipment to be grounded. The following equipment shall be grounded:

1. Through-wall lighting assemblies and underwater luminaires other than those low-voltage lighting products listed for the application without a grounding conductor.
2. All electrical equipment located within 5 feet (1524 mm) of the inside wall of the pool, spa or hot tub.
3. All electrical equipment associated with the recirculating system of the pool, spa or hot tub.
4. Junction boxes.
5. Transformer enclosures.
6. Ground-fault circuit-interrupters.
7. Panelboards that are not part of the service equipment and that supply any electrical equipment associated with the pool, spa or hot tub.

E4205.2 Luminaires and related equipment. Through-wall lighting assemblies, wet-niche, dry-niche, or no-niche luminaires shall be connected to an insulated copper equipment grounding conductor sized in accordance with Table E3908.12 but not smaller than 12 AWG. The equipment grounding conductor between the wiring chamber of the secondary winding of a transformer and a junction box shall be sized in accordance with the overcurrent device in such circuit. The junction box, transformer enclosure, or other enclosure in the supply circuit to a wet-niche or no-niche luminaire and the field-wiring chamber of a dry-niche luminaire shall be grounded to the equipment grounding terminal of the panelboard. The equipment grounding terminal shall be directly connected to the panelboard enclosure. The equipment grounding conductor shall be installed without joint or splice.

Exceptions:

1. Where more than one underwater luminaire is supplied by the same branch circuit, the equipment grounding conductor, installed between the junction boxes, transformer enclosures, or other enclosures in the supply circuit to wet-niche luminaires, or between the field-wiring compartments of dry-niche luminaires, shall be permitted to be terminated on grounding terminals.
2. Where an underwater luminaire is supplied from a transformer, ground-fault circuit-interrupter, clock-operated switch, or a manual snap switch that is located between the panelboard and a junction box connected to the conduit that extends directly to the underwater luminaire, the equipment grounding conductor shall be permitted to terminate on grounding terminals on the transformer, ground-fault circuit-interrupter, clock-operated switch enclosure, or an outlet box used to enclose a snap switch.

E4205.3 Nonmetallic conduit. Where a nonmetallic conduit is installed between a forming shell and a junction box, transformer enclosure, or other enclosure, a 8 AWG insulated copper bonding jumper shall be installed in this conduit except where a listed low-voltage lighting system not requiring grounding is used. The bonding jumper shall be terminated in the forming shell, junction box or transformer enclosure, or ground-fault circuit-interrupter enclosure. The termination of the 8 AWG bonding jumper in the forming shell shall be covered with, or encapsulated in, a listed potting compound to protect such connection from the possible deteriorating effect of pool water.

E4205.4 Flexible cords. Wet-niche luminaires that are supplied by a flexible cord or cable shall have all exposed noncurrent-carrying metal parts grounded by an insulated copper equipment grounding conductor that is an integral part of the cord or cable. This grounding conductor shall be connected to a grounding terminal in the supply junction box, transformer enclosure, or other enclosure. The grounding conductor shall not be smaller than the supply conductors and not smaller than 16 AWG.

E4205.5 Motors. Pool-associated motors shall be connected to an insulated copper equipment grounding conductor sized in accordance with Table E3908.12, but not smaller than 12 AWG. Where the branch circuit

supplying the motor is installed in the interior of a one-family dwelling or in the interior of accessory buildings associated with a one-family dwelling, using a cable wiring method permitted by Table E4202.1, an uninsulated equipment grounding conductor shall be permitted provided that it is enclosed within the outer sheath of the cable assembly.

E4205.6 Feeders. An equipment grounding conductor shall be installed with the feeder conductors between the grounding terminal of the pool equipment panelboard and the grounding terminal of the applicable service equipment or source of a separately derived system. The equipment grounding conductor shall be insulated, shall be sized in accordance with Table E3908.12, and shall be not smaller than 12 AWG.

Exception: An existing feeder between an existing remote panelboard and service equipment shall be permitted to run in flexible metal conduit or an approved cable assembly that includes an equipment grounding conductor within its outer sheath. The equipment grounding conductor shall not be connected to the grounded conductor in the remote panelboard.

E4205.6.1 Separate buildings. A feeder to a separate building or structure shall be permitted to supply swimming pool equipment branch circuits, or feeders supplying swimming pool equipment branch circuits, provided that the grounding arrangements in the separate building meet the requirements of [Section E3607.3](#). Where installed in other than existing feeders covered in the exception to [Section E4205.6](#), a separate equipment grounding conductor shall be an insulated conductor.

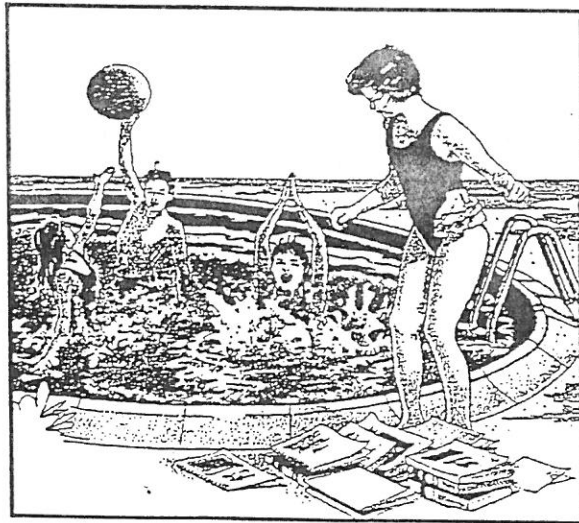
E4205.7 Cord-connected equipment. Where fixed or stationary equipment is connected with a flexible cord to facilitate removal or disconnection for maintenance, repair, or storage, as provided in [Section E4202.2](#), the equipment grounding conductors shall be connected to a fixed metal part of the assembly. The removable part shall be mounted on or bonded to the fixed metal part.

E4205.8 Other equipment. Other electrical equipment shall be grounded in accordance with [Section E3908](#).

Town of Scarborough

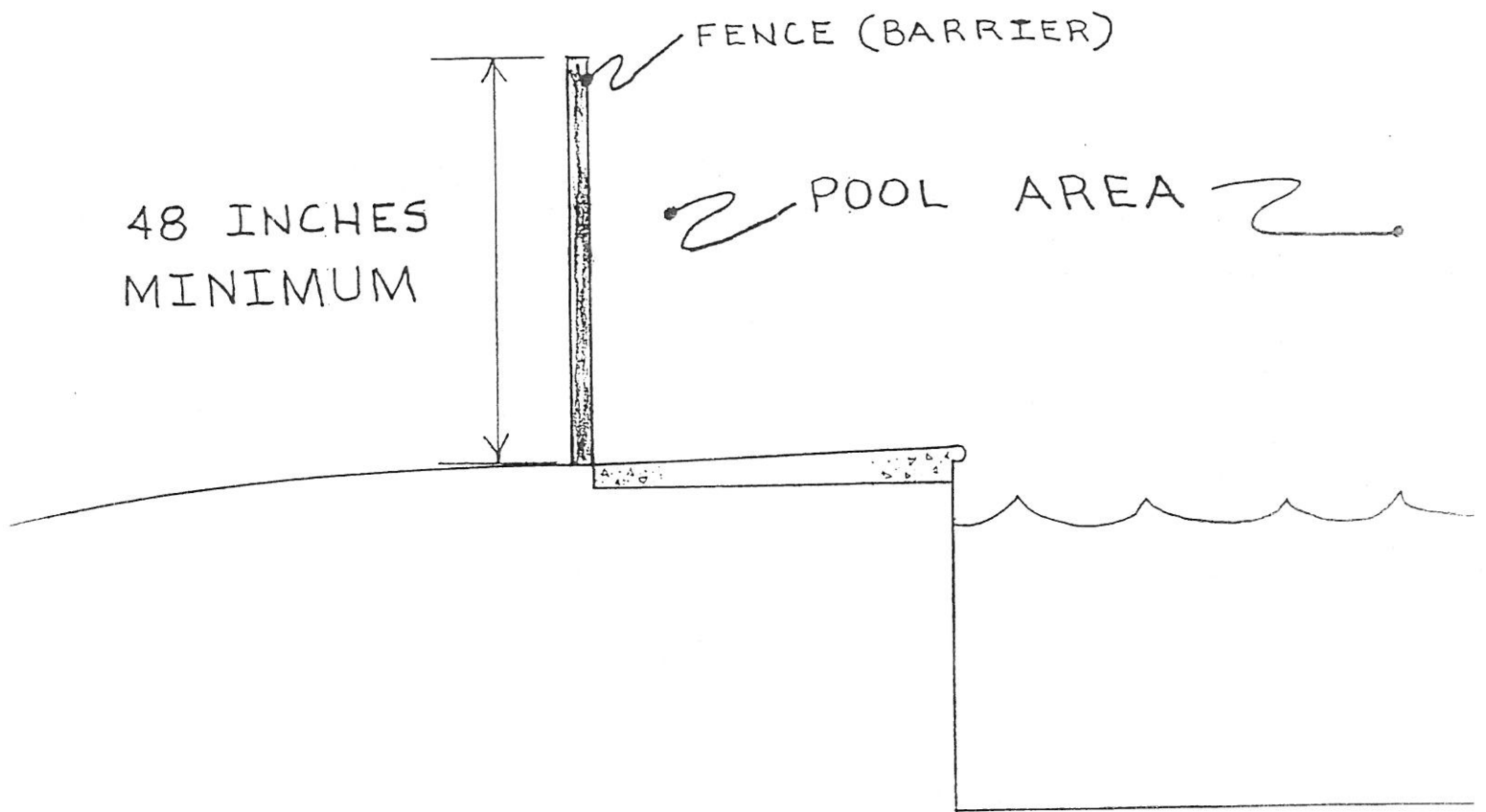
Illustrations

SWIMMING POOLS



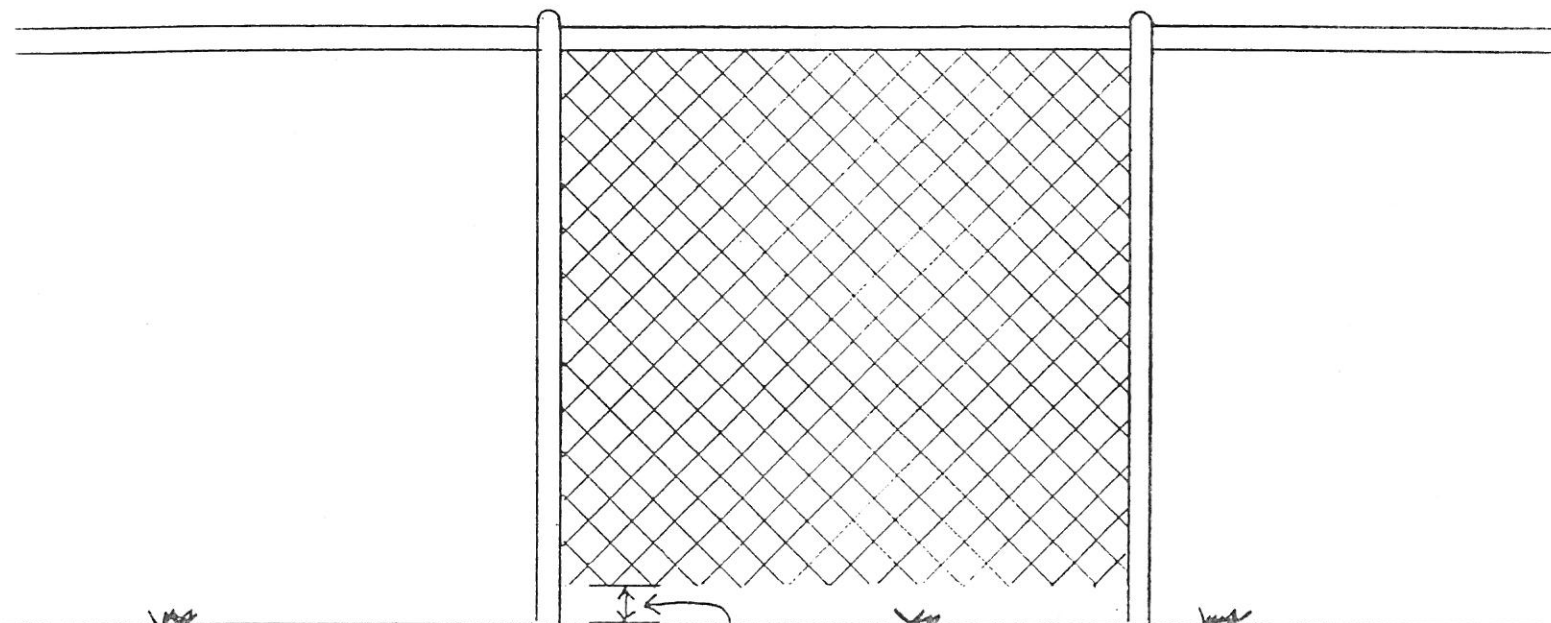
2009 INTERNATIONAL RESIDENTIAL CODE
APPENDIX G

THE DRAWINGS CONTAINED IN THIS BROCHURE
ARE FOR ILLUSTRATION PURPOSES
ONLY. THE WRITTEN CODE TEXT SHALL APPLY.



SECTION AG105.2.1

CROSS SECTION



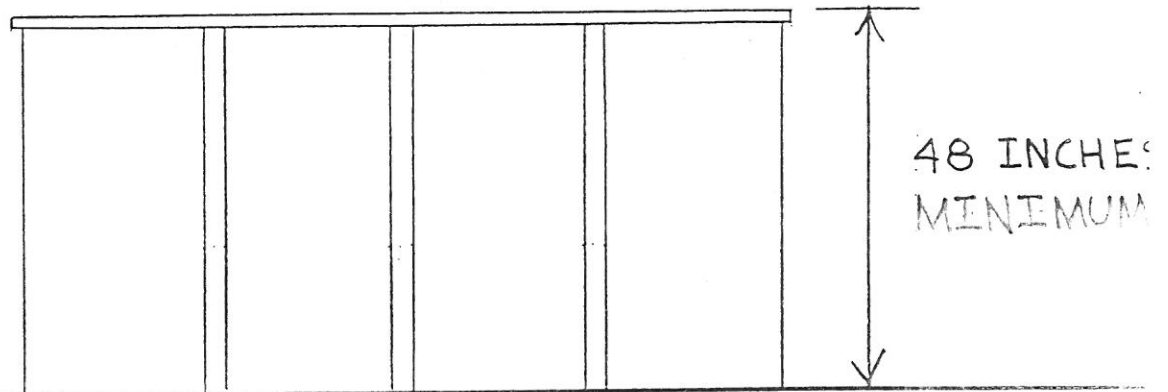
2 INCHES MAXIMUM ON SIDE
FACING AWAY FROM SWIMMING POOL

OUTSIDE OF THE POOL ENCLOSURE

SECTION AG105.2.1

ELEVATION

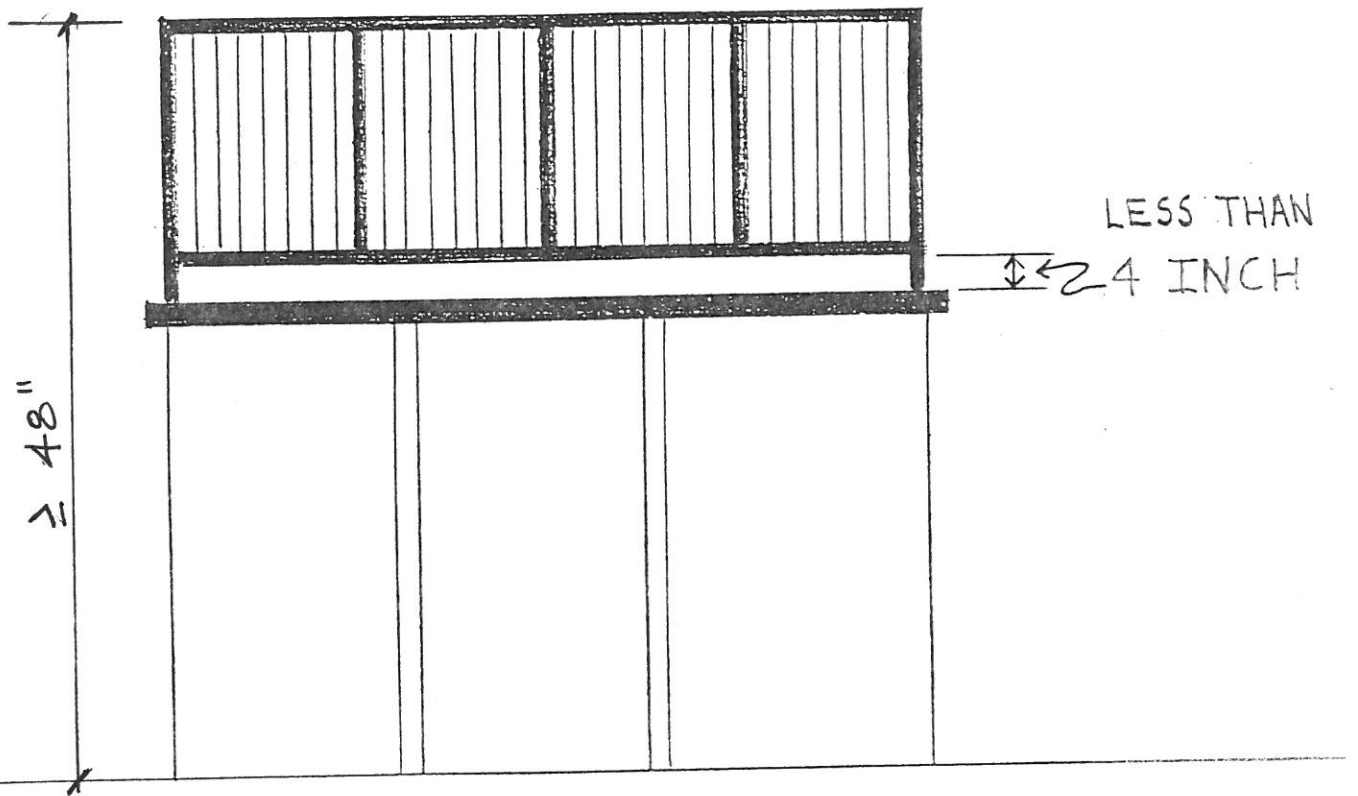
THE ABOVE GROUND SWIMMING POOL STRUCTURE
COULD BE THE BARRIER IF:



ABOVE GROUND POOL

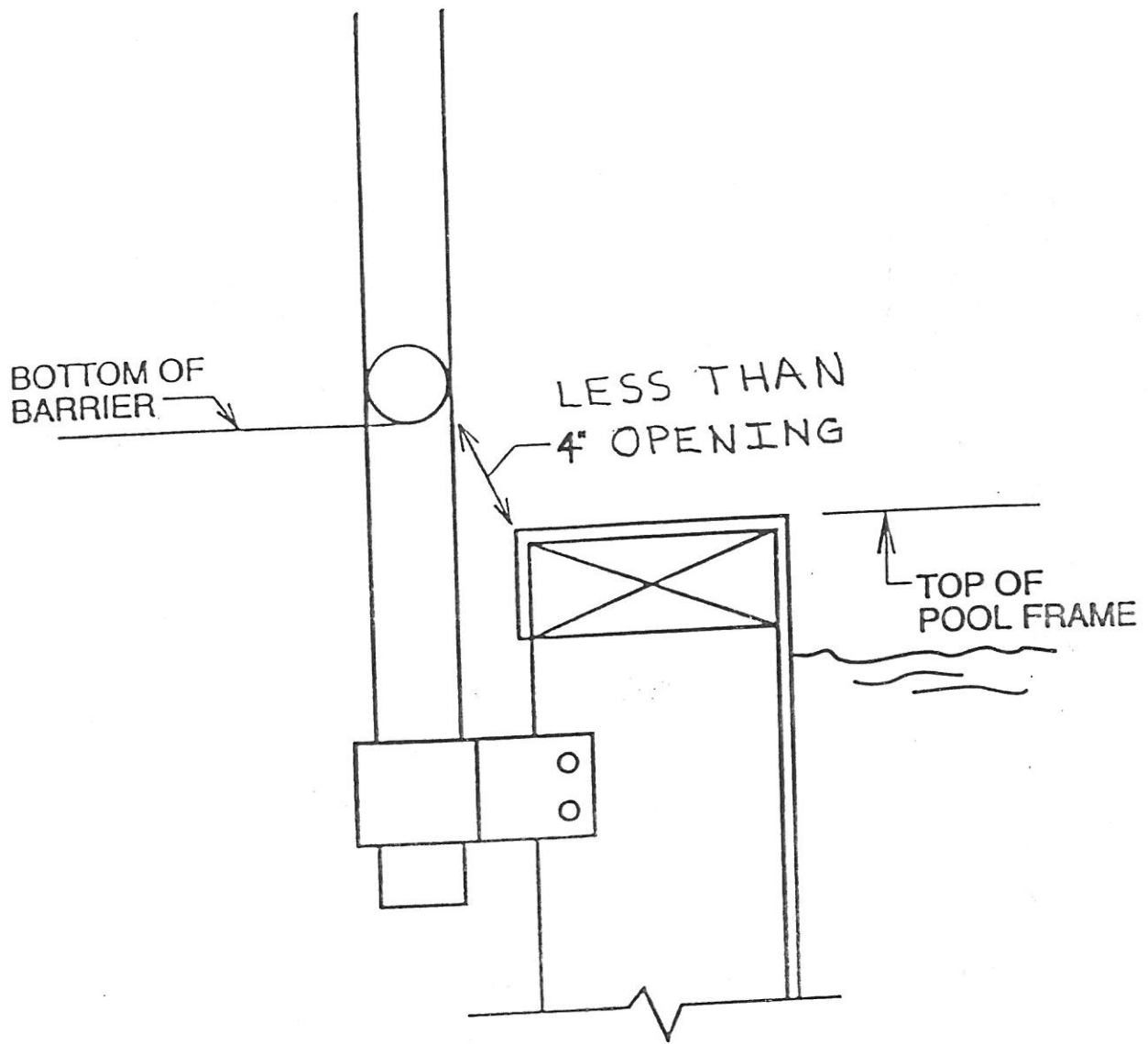
SECTION AG 105.2.1

ELEVATION



ABOVE GROUND POOL
SECTION AG 105.2.1

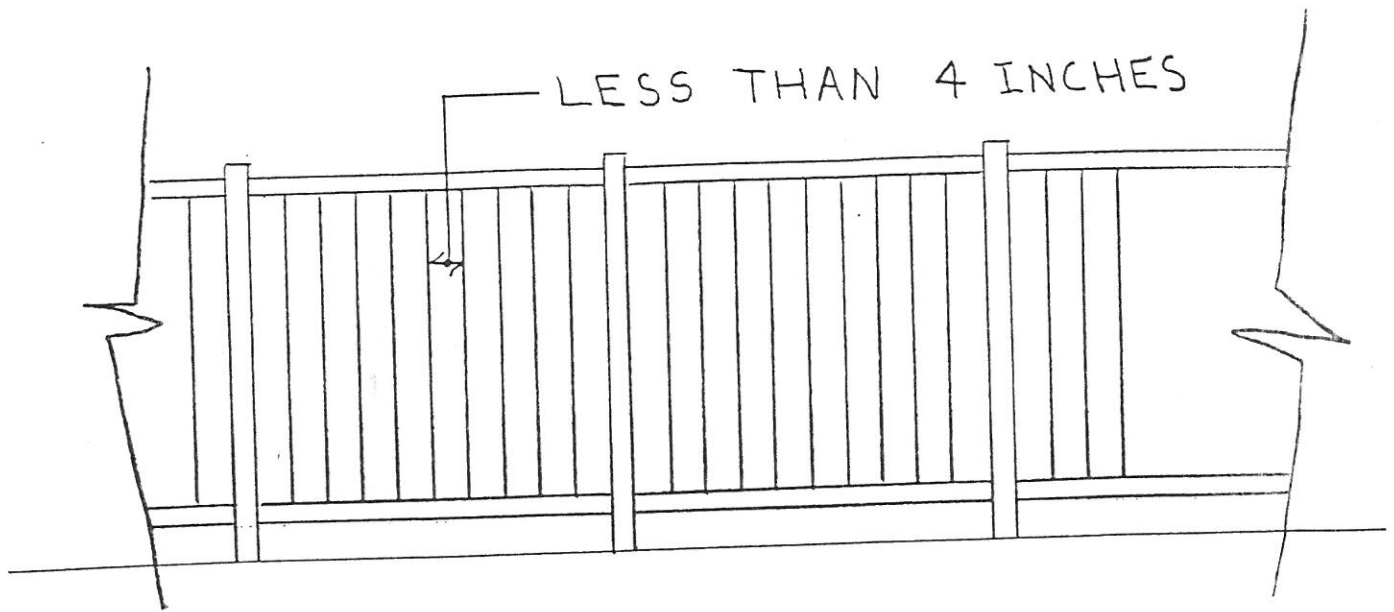
ELEVATION



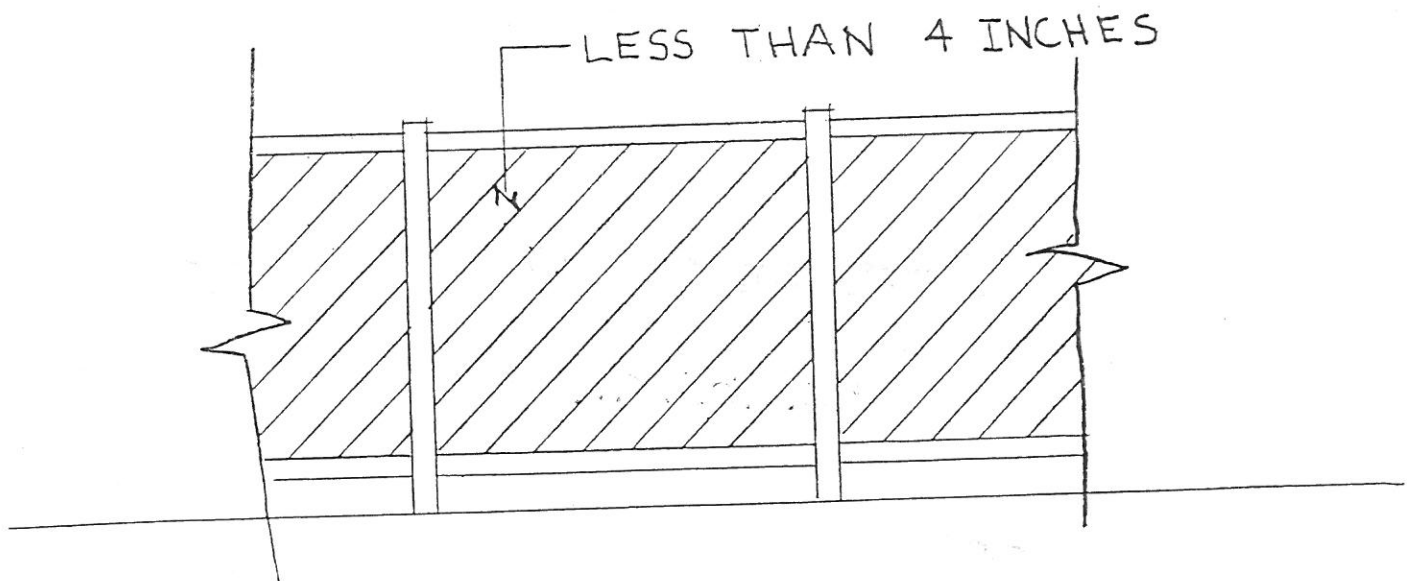
BARRIER MOUNTED ON THE POOL STRUCTURE

SECTION AG 105.2.1

CROSS SECTION



SECTION AG 105.2.2



ELEVATION

POOL AREA

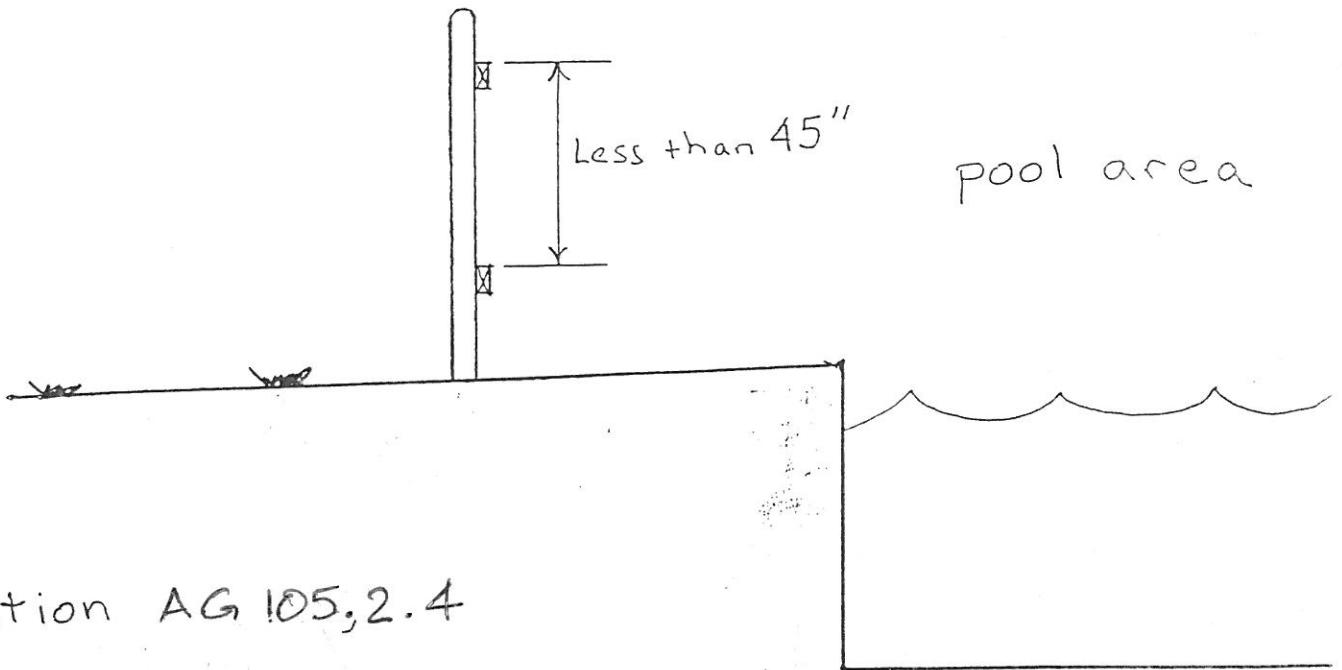
BARRIER

STONE WALL

VIOLATION

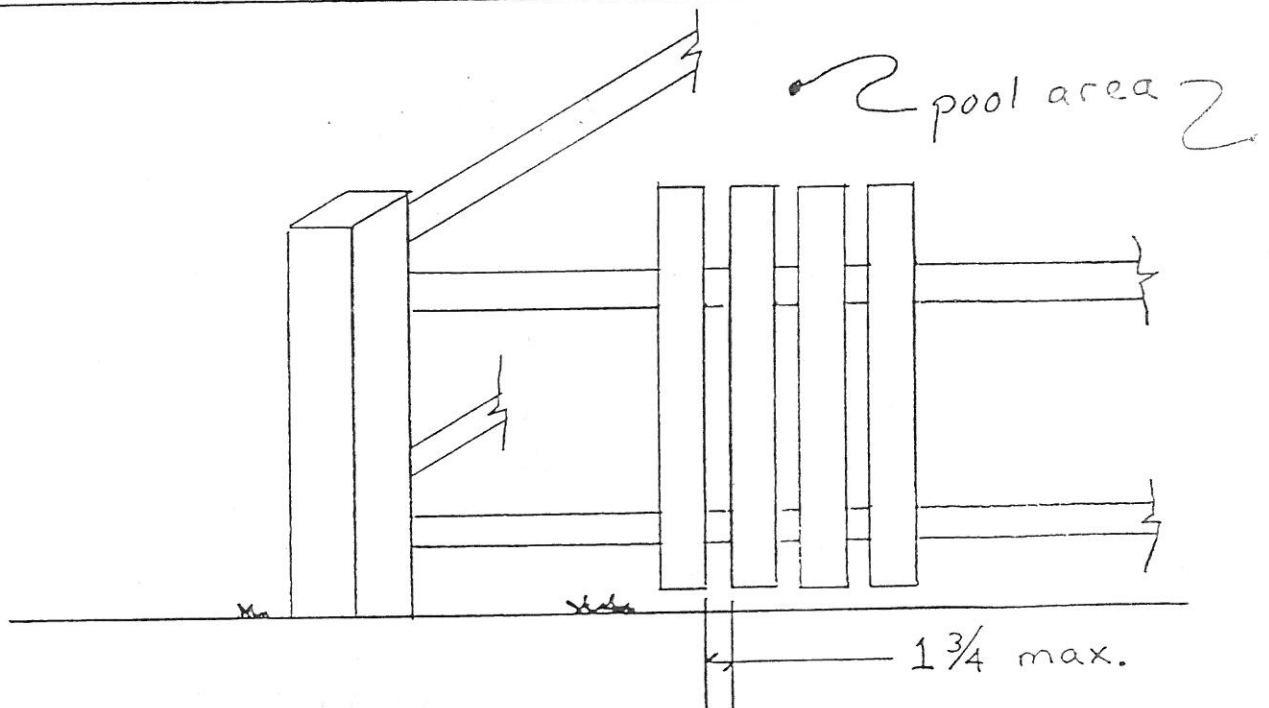
SECTION AG 105.2.3

CROSS SECTION

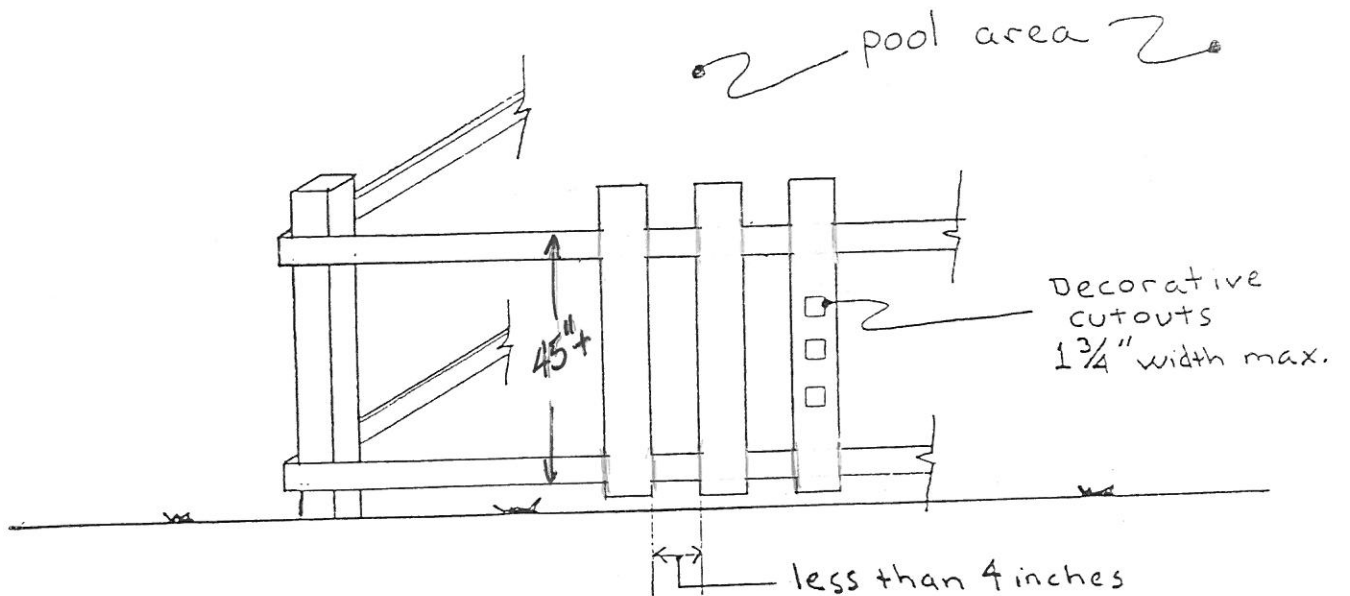
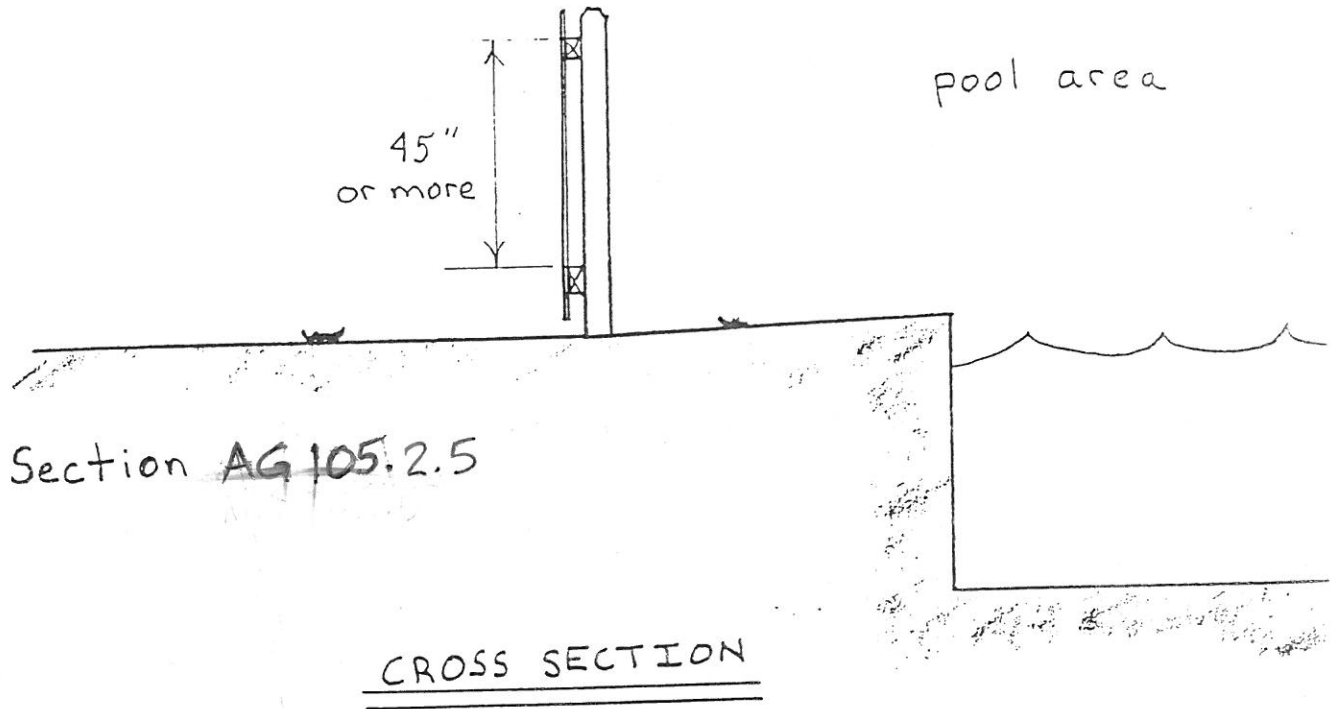


Section AG 105,2.4

CROSS SECTION

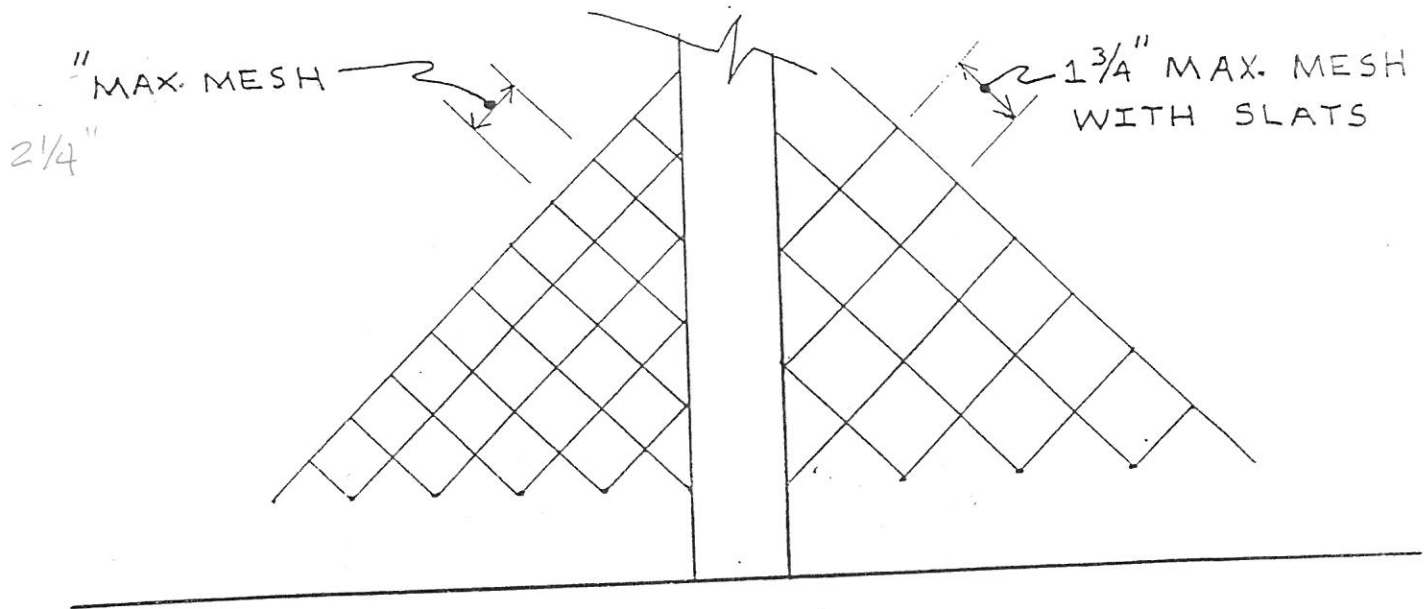


ISOMETRIC



ISOMETRIC

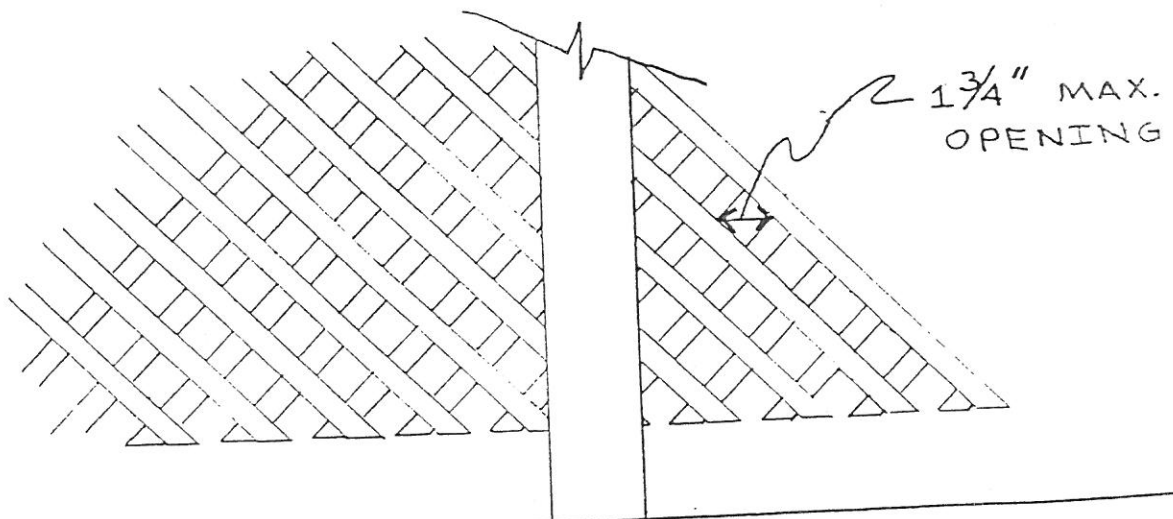
CHAIN LINK FENCE



SECTION AG 105.2.6

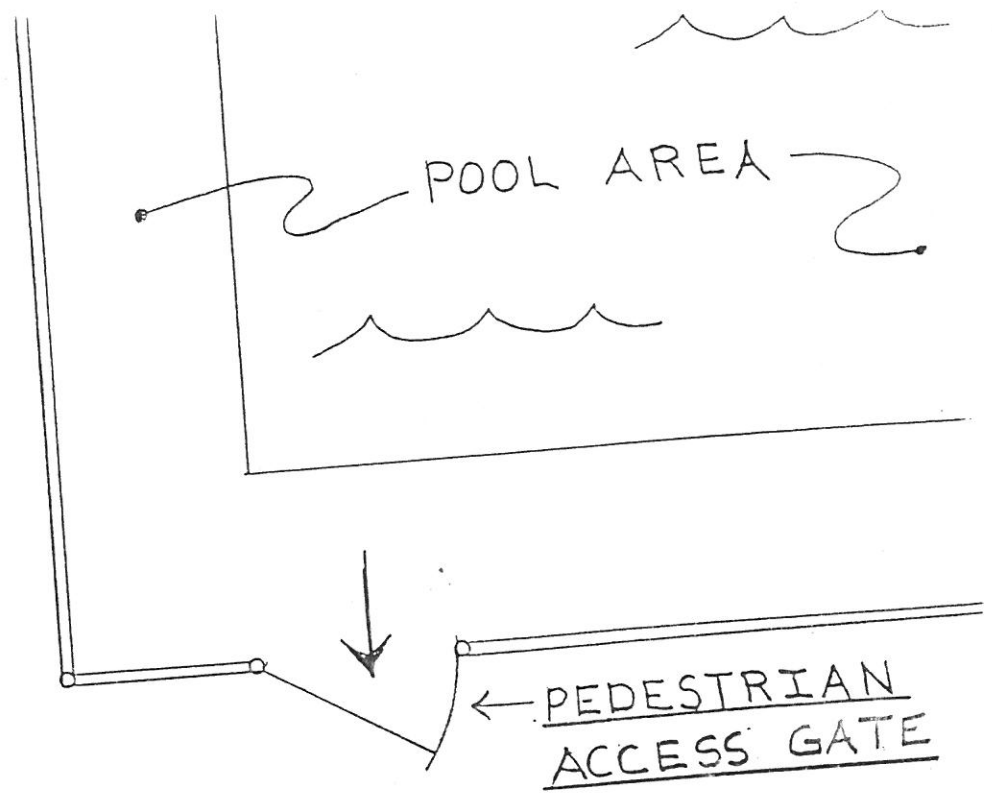
ELEVATION

LATTICE FENCE



SECTION AG 105.2.7

ELEVATION

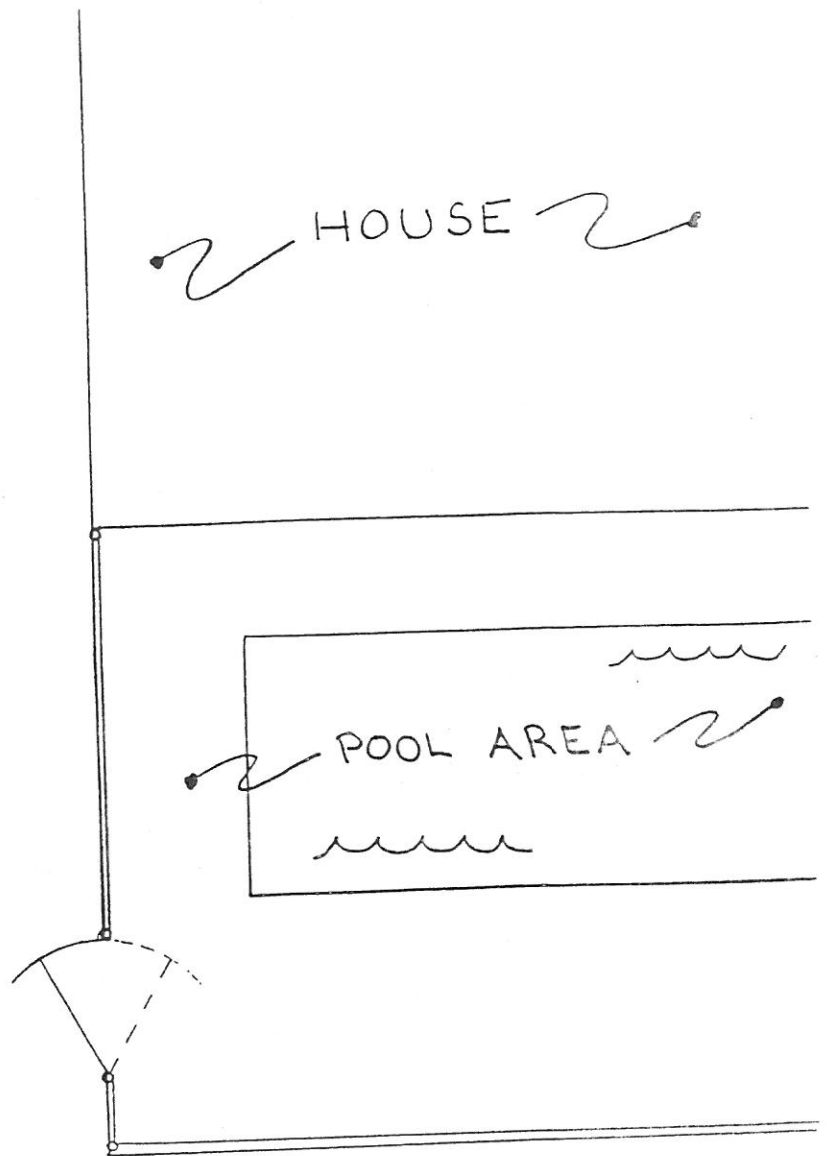


SHALL: COMPLY W/ ITEMS 1-7,
EQUIPPED TO ACCOMODATE A
LOCKING DEVICE,
OPEN OUTWARDS AWAY FROM POOL,
SELF-CLOSING,
SELF-LATCHING.

SECTION AG 105.2.8

SITE PLAN

ACCESS GATE OTHER
THAN PEDESTRIAN
ACCESS GATE

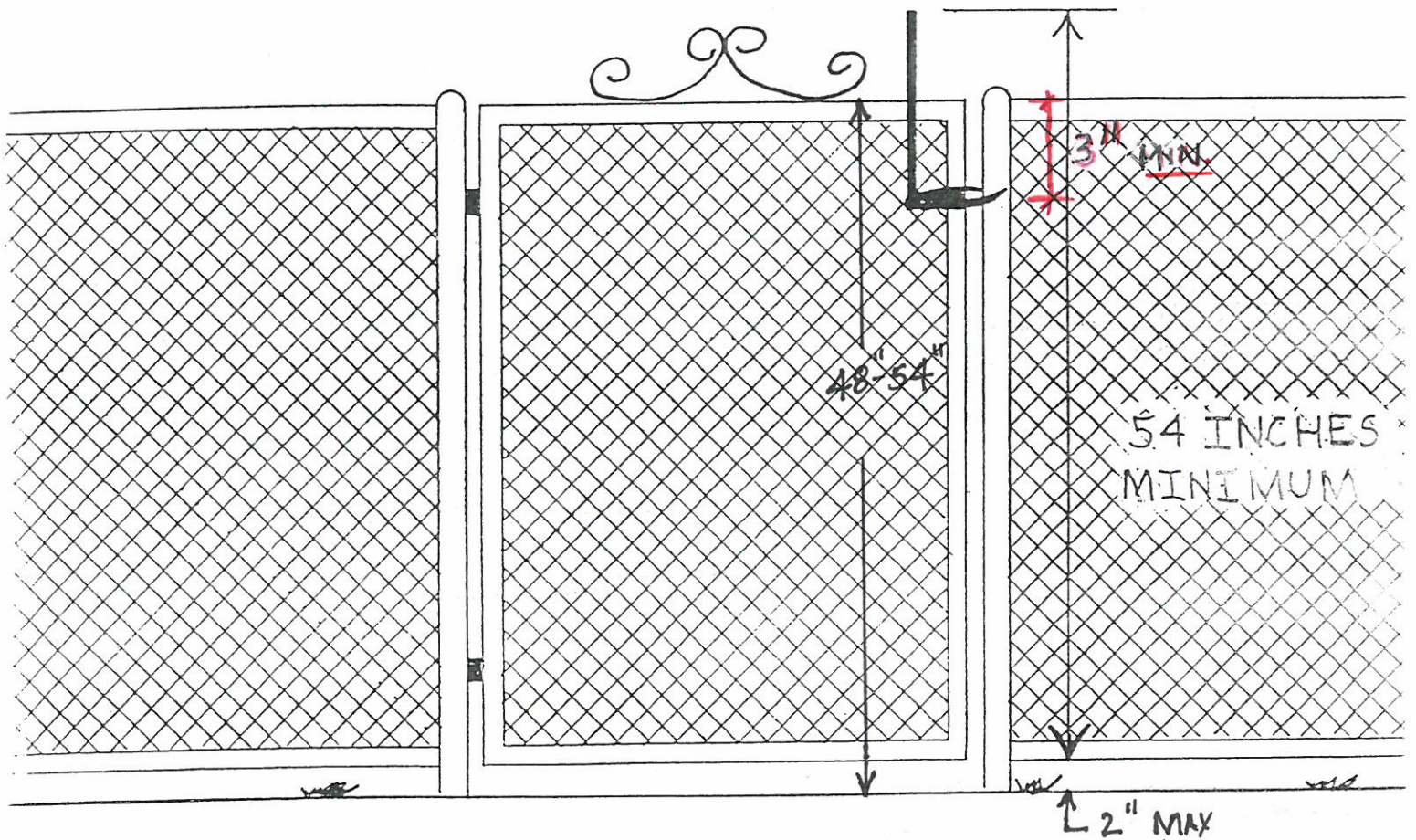


SHALL: COMPLY W/ ITEMS 1-7,
EQUIPPED TO ACCOMODATE A
LOCKING DEVICE,
SELF-LATCHING.

SECTION AG 105.2.8

SITE PLAN

ACCESS GATE OR PEDESTRIAN ACCESS GATE



INSIDE OR OUTSIDE POOL AREA

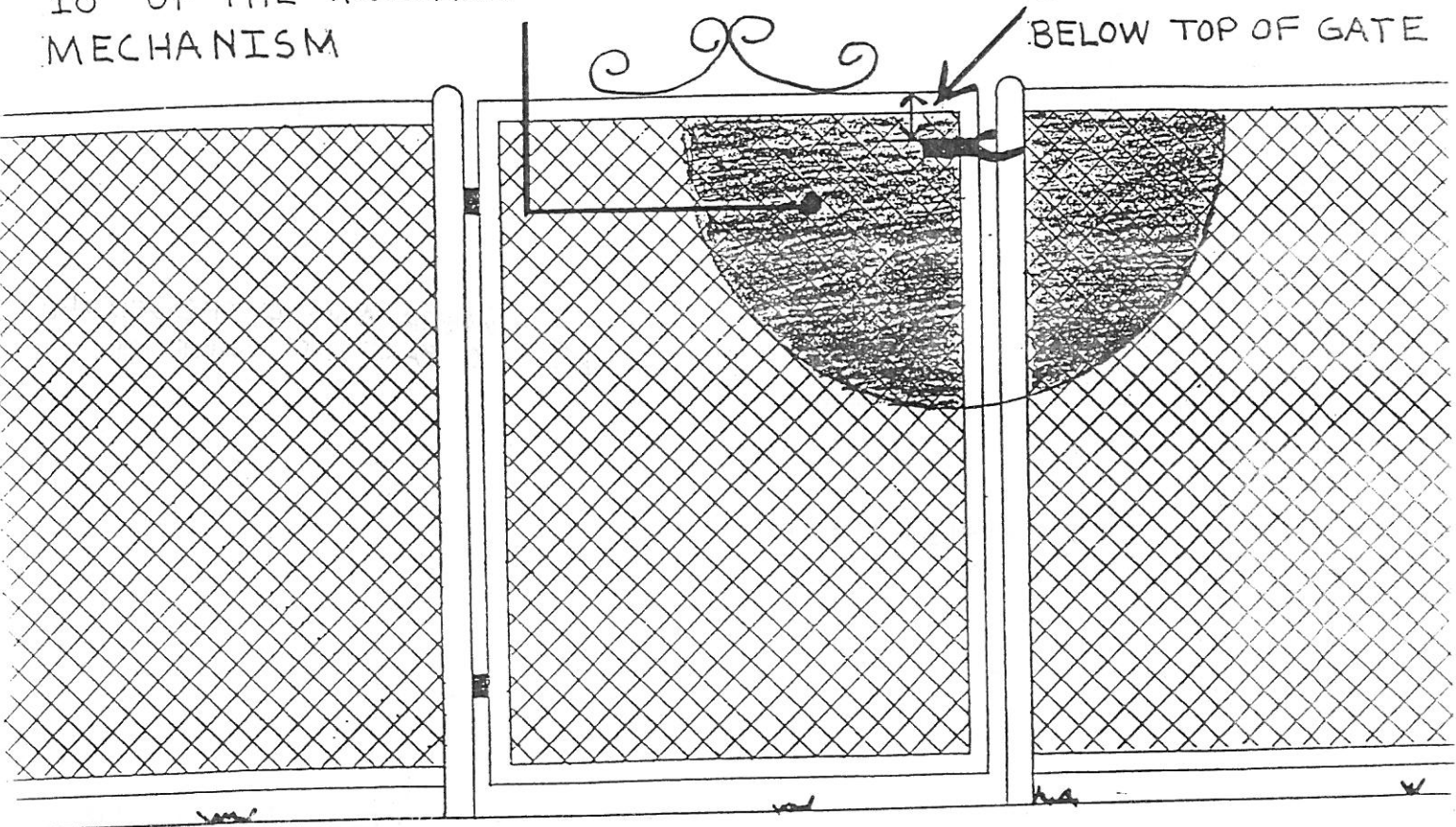
SECTION
3109.4.1.7 GATES (or AG105.2.8.1)

ELEVATION

ACCESS GATE OR PEDESTRIAN ACCESS GATE

1/2" MAXIMUM OPENING WITHIN
18" OF THE RELEASE
MECHANISM

3" MINIMUM
BELOW TOP OF GATE

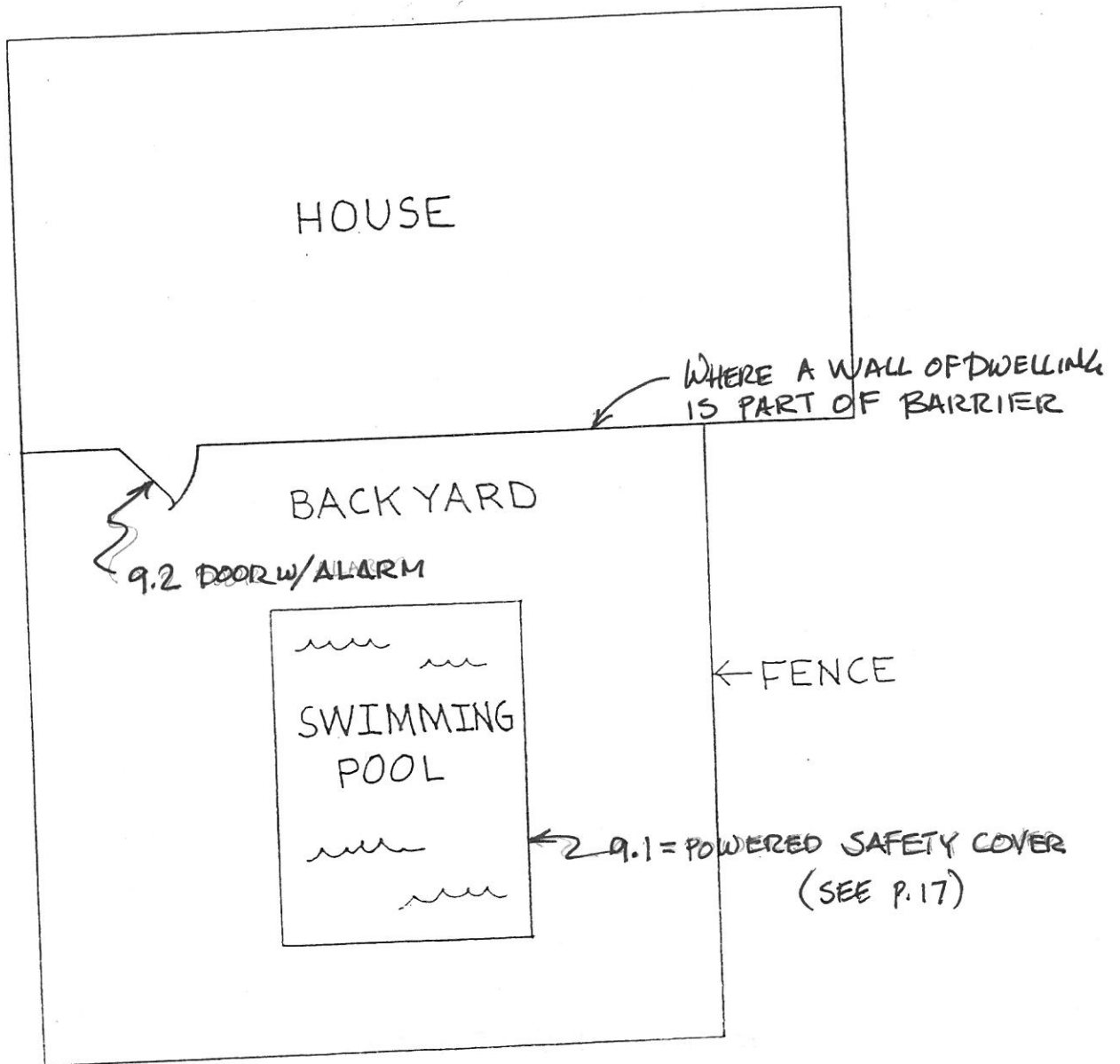


INSIDE POOL AREA ONLY

SECTION AG 105.2.8.2

ELEVATION

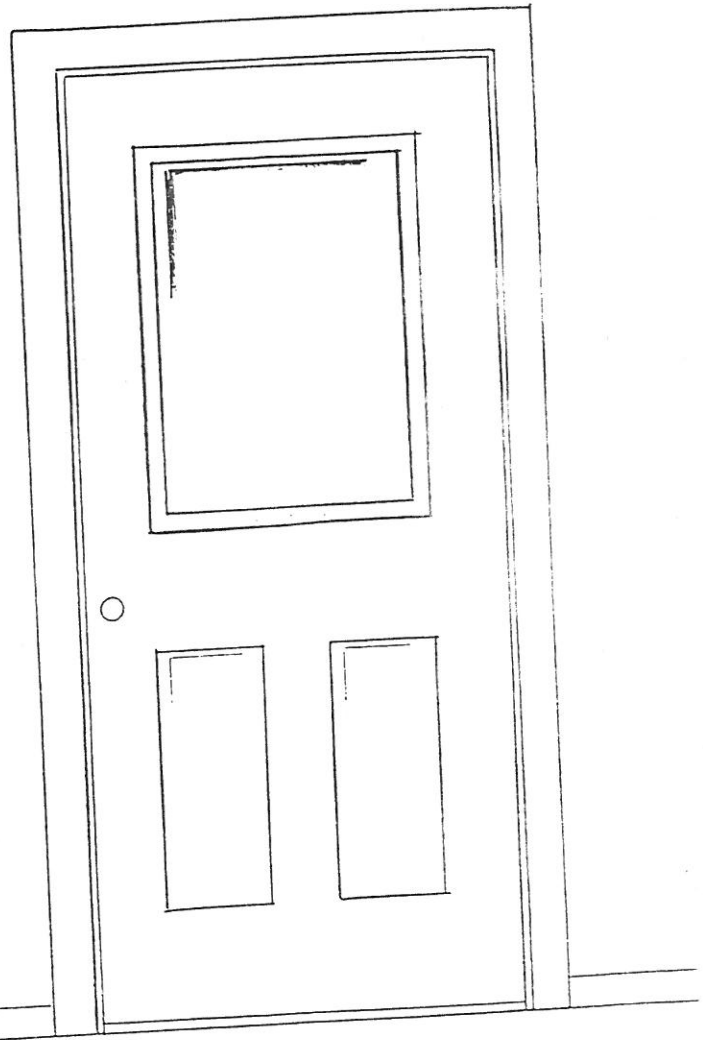
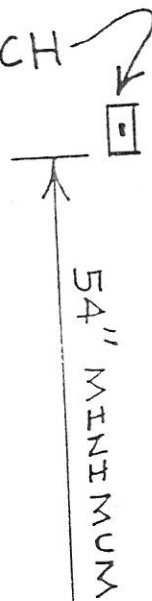
SECTION AG 105.2.9.1-2



SITE PLAN

SECTION AG 105.2.9.2

ALARM
DEACTIVATION SWITCH
OR TOUCHPAD



ELEVATION

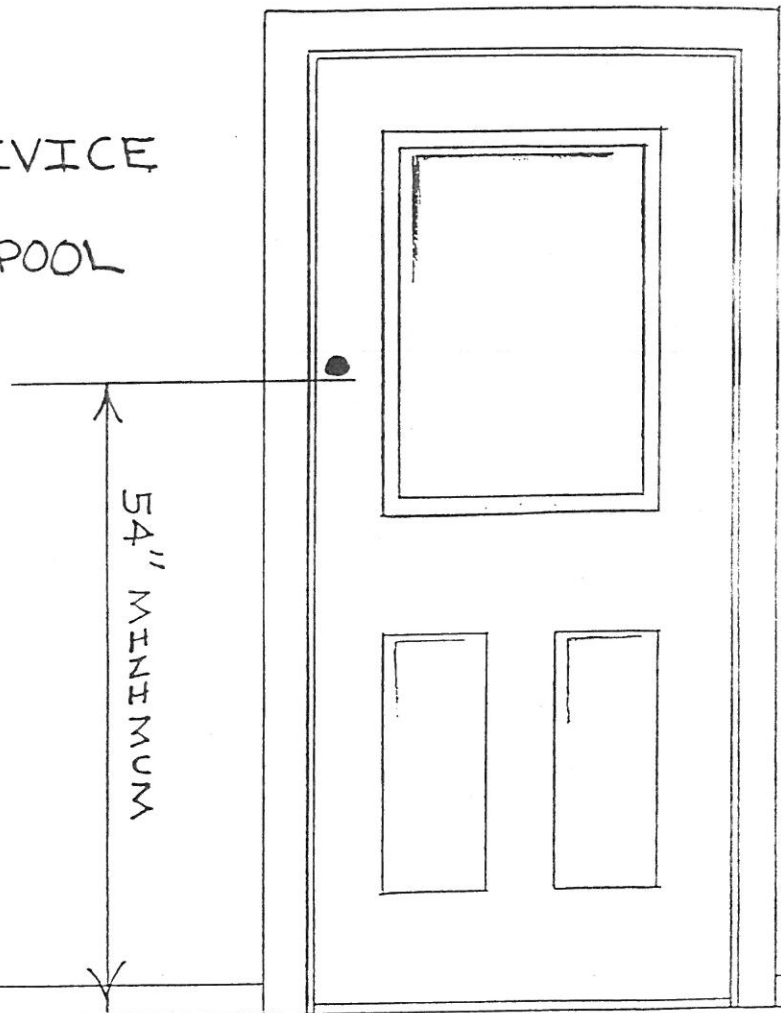
SECTION 421.10.1, item 9.1

THE DOOR ALARM SHALL:

- Produce an audible warning when the door and its screen are opened
- Sound continuously for 30 seconds min. immediately after door is opened
- Have a minimum sound pressure rating of 85dba at 10 feet
- Be distinctive from other household sounds
- Automatically reset under all conditions
- Be equipped with manual means to temporarily deactivate the alarm for a single opening from either direction
- Allow deactivation to last not more than 15 seconds
- Have deactivation touch pads/switches located a minimum of 54 inches above the door threshold

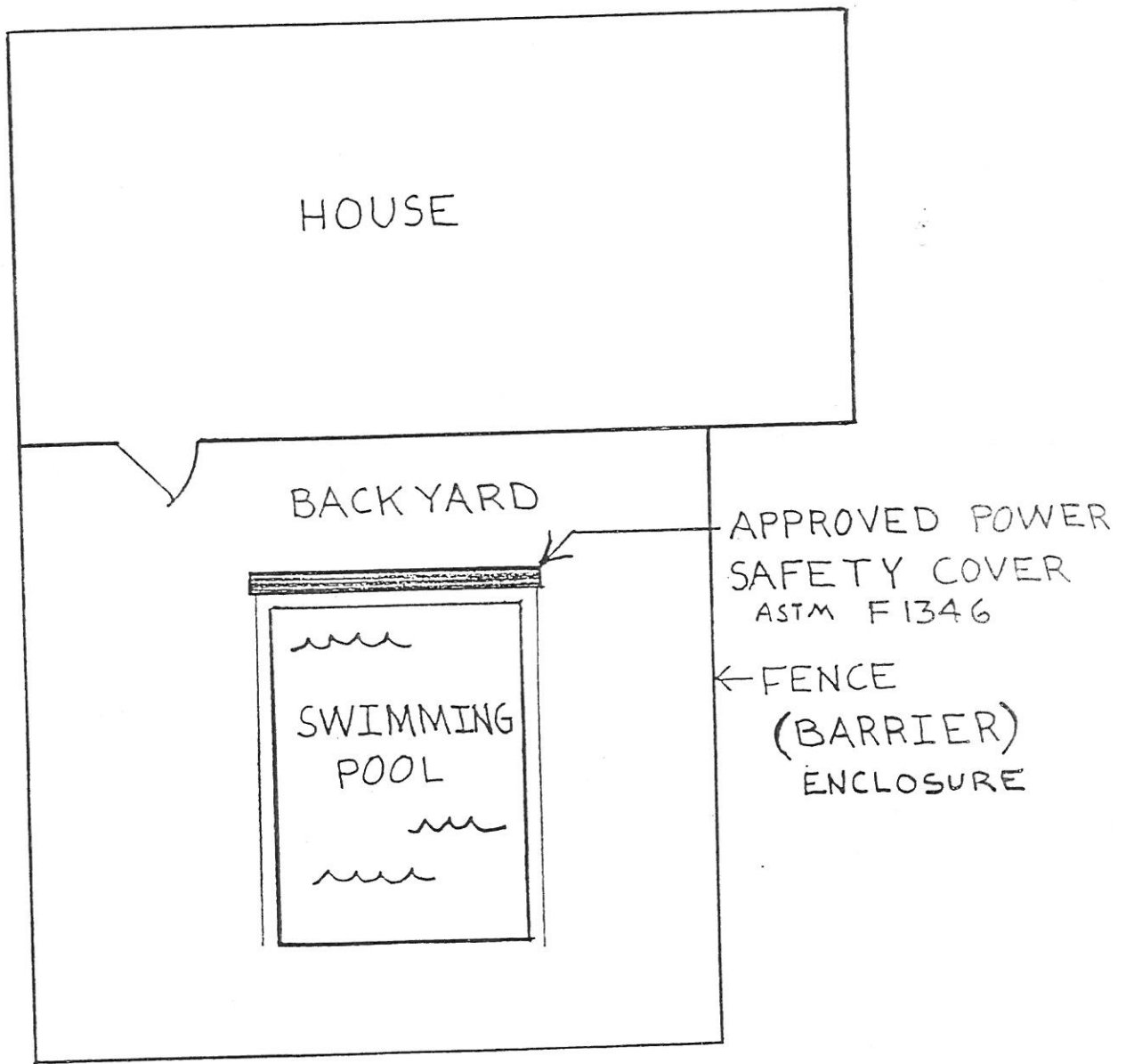
SECTION AG 105.2.9.3

- SELF-CLOSING AND SELF-LATCHING DEVICE
- SWING AWAY FROM POOL



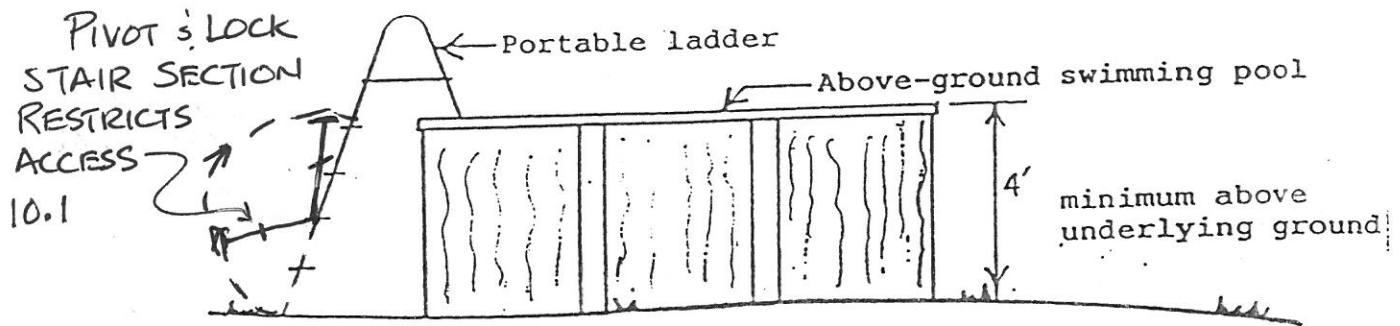
ELEVATION

SECTION 421.10.1, ITEM 9.3

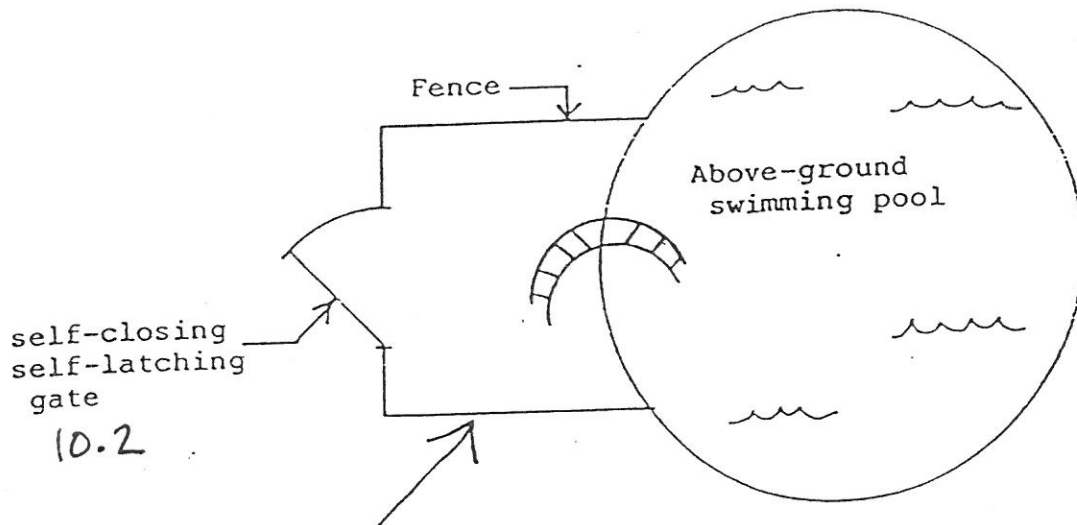


SITE PLAN

SECTION AG 105.2.10.1-2



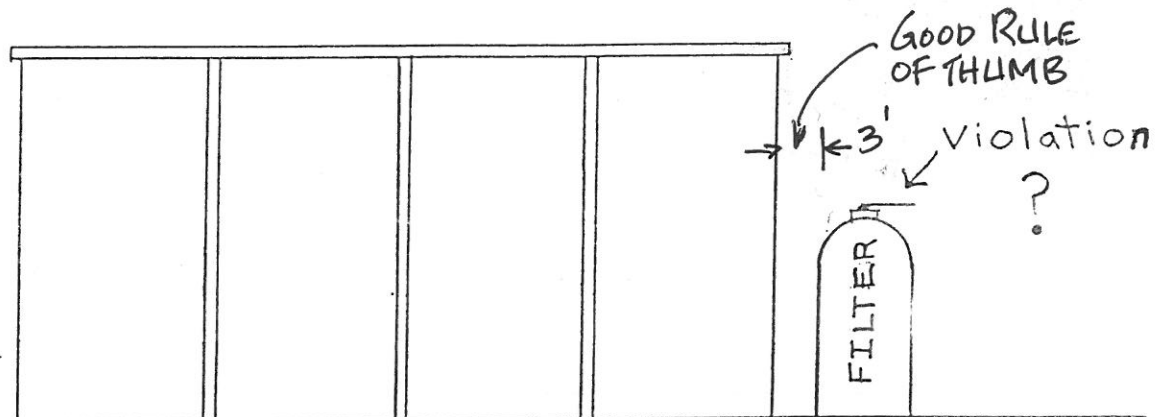
ELEVATION



Barrier shall comply w/ items 1 through 9

SITE PLAN

ABOVE GROUND SWIMMING POOL



SECTION AG105.4

"PROHIBITED
LOCATION"

ELEVATION