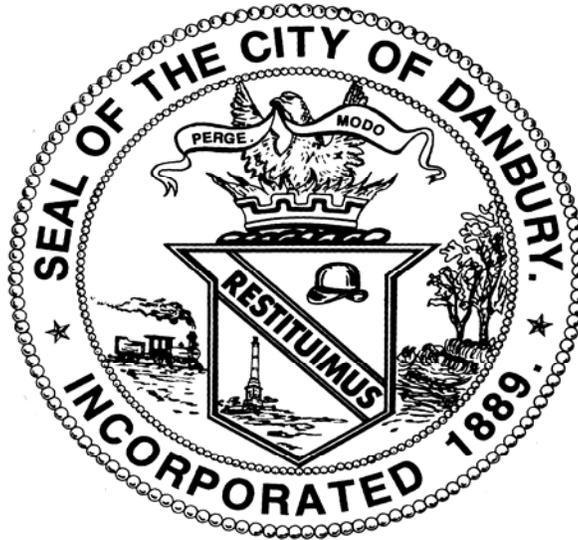


# Swimming Pool Guide



## Illustrations to Sec AG105

The drawings contained in this guide pertain to the 2003 IBC – Sec 3109 and the 2003 IRC Chapter 41 and Appendix G and are for **illustration purposes only**. The written code text shall apply.

Please contact the City of Danbury **Permit Center** with any questions: (203) 796-1653.

Copies of this document and Applications are available at our website: [www.ci.danbury.ct.us](http://www.ci.danbury.ct.us)

All guide information is subject to change.

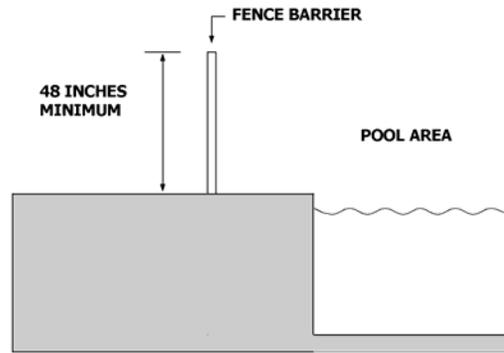
### Listing of Permitting Departments:

Department	Department Head	Phone Number
Health and Housing	Scott Leroy	797-4625 Fax: 796-1596
Fire Marshal	Barry Rickert	796-1541 Fax: 796-1561
Engineering	Farid Khouri	797-4641 Fax: 796-1586
Planning and Zoning	Dennis Elpern	797-4525 Fax: 797-4586
Building	Leo Null	797-4580 Fax: 796-1585

# HEATH DEPARTMENT GUIDELINES

## REQUIRED SEPARATING DISTANCES

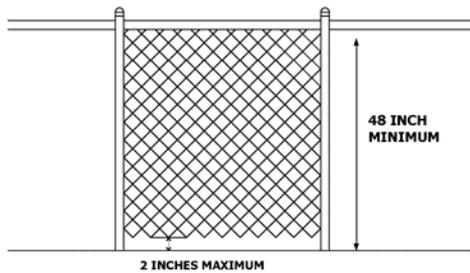
- Open Decks to any part of the Septic System .....5 feet
- Building without footing drain to Septic System .....15 feet
- Building with a full foundation and footing drain to Septic and Well .....25 feet
- Above ground pool to Septic System .....10 feet
- In-ground pool to Septic System and Well .....25 feet
- Pool filter water backwash and well.....75 feet



### SECTION AG 105.1 3109.4

#### CROSS SECTION

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



OUTSIDE OF THE POOL ENCLOSURE

### SECTION AG 105

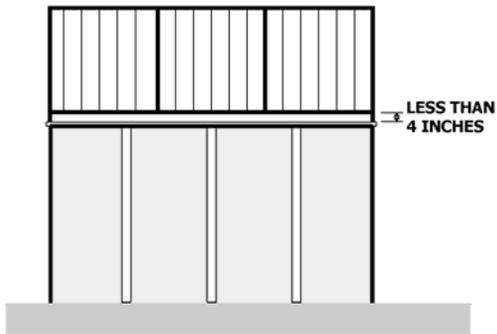
#### ELEVATION



ABOVE GROUND POOL

### SECTION AG 105.2

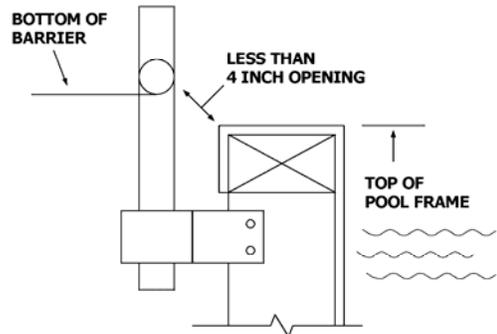
#### ELEVATION



ABOVE GROUND POOL

SECTION AG 105.2

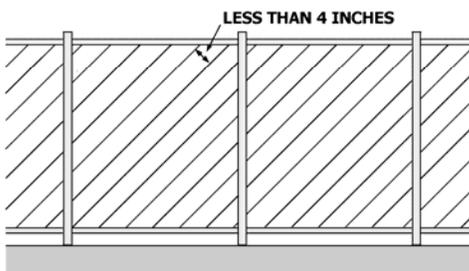
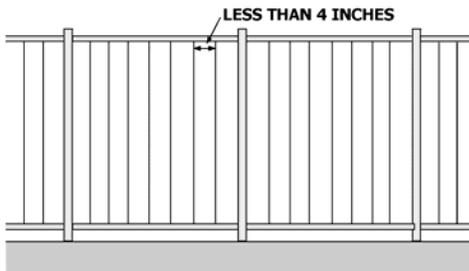
ELEVATION



BARRIER MOUNTED ON THE POOL STRUCTURE

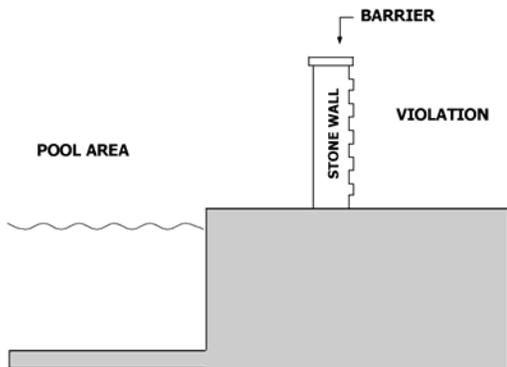
SECTION AG 105.2

CROSS SECTION



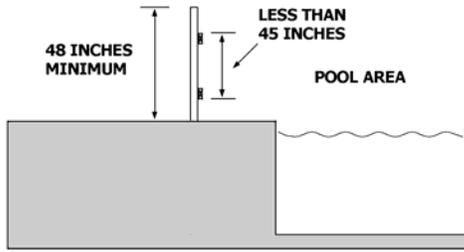
SECTION AG 105.2

ELEVATION

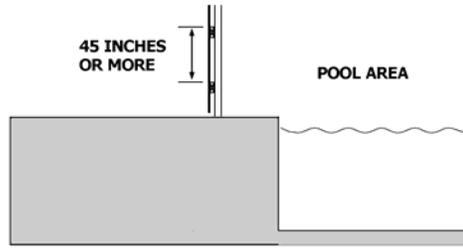


SECTION AG 105.2

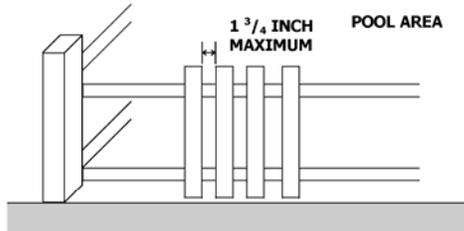
CROSS SECTION



**CROSS SECTION**

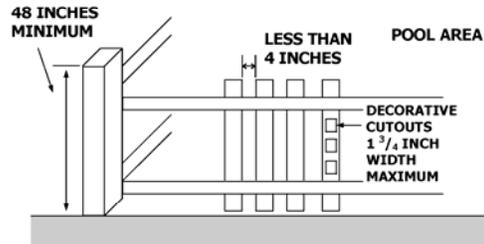


**CROSS SECTION**



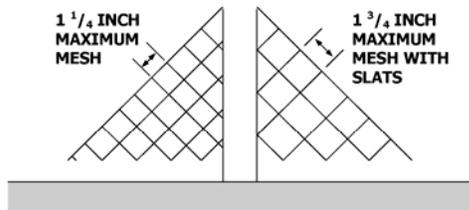
SECTION AG 105.2

**ISOMETRIC**



SECTION AG 105.2

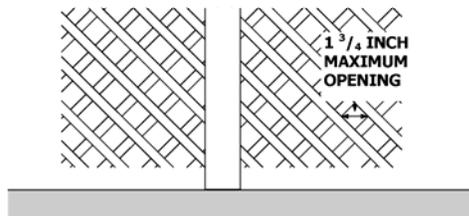
**ISOMETRIC**



CHAIN LINK FENCE

SECTION AG 105.2

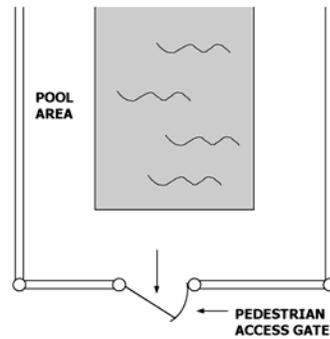
**ELEVATION**



LATTICE FENCE

SECTION AG 105.2

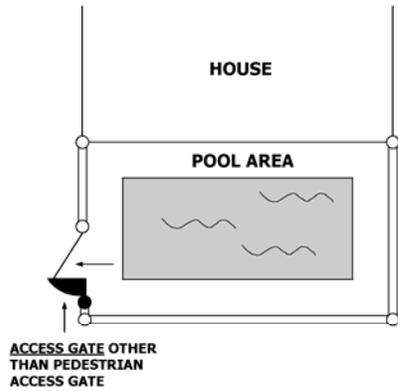
**ELEVATION**



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

SECTION AG 105.2

**SITE PLAN**



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

**SECTION AG 105.2**

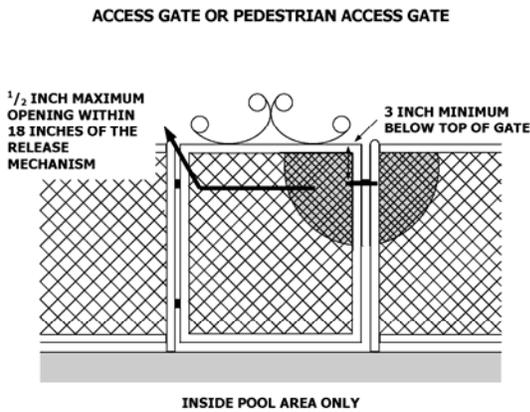
**SITE PLAN**



INSIDE OR OUTSIDE POOL AREA

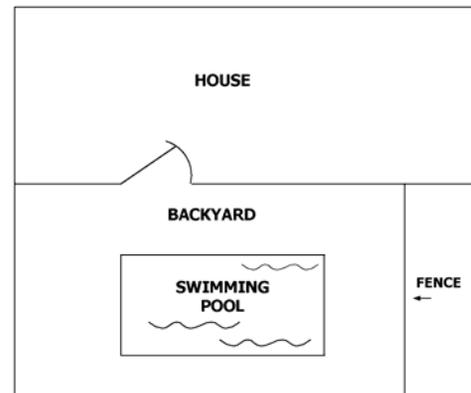
**SECTION AG 105.2**

**ELEVATION**



**SECTION AG 105.2**

**ELEVATION**

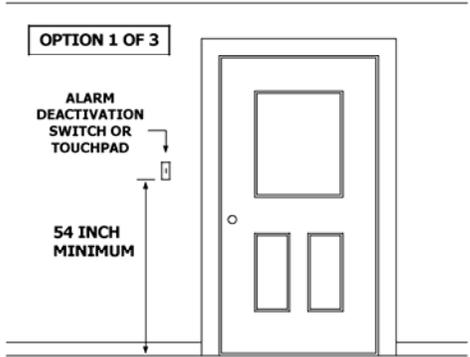


**SECTION AG 105.2**

**SITE PLAN**

**THE DOOR ALARM SHALL:**

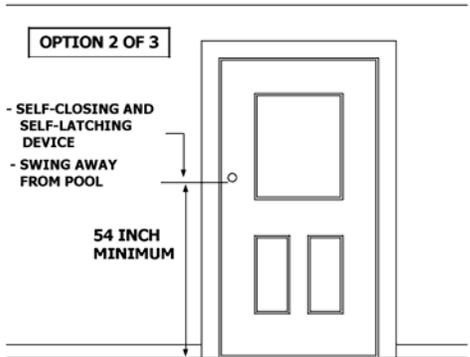
- Produce an audible warning when the door and its screen are opened.
- Audible warning sounds within 7 seconds of opening the door and
- Sound continuously for 30 seconds minimum.
- Have a minimum sound pressure rating of 85 dba at 10 feet.
- Be distinctive from other household sounds.
- Automatically 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

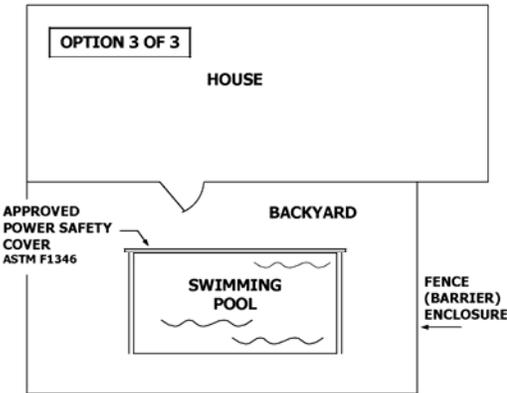
**ELEVATION**

SECTION AG 105.2



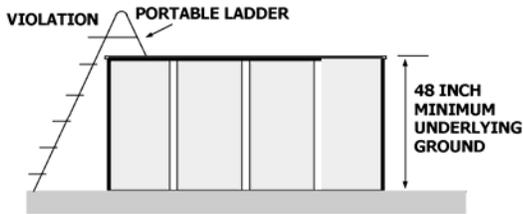
SECTION AG 105.2

**ELEVATION**



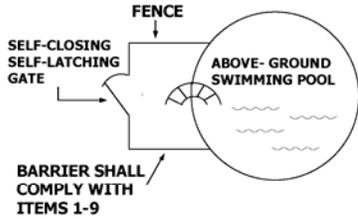
SECTION AG 105.2

**SITE PLAN**



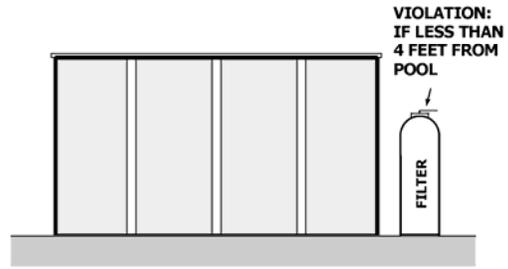
ABOVE GROUND POOL

**ELEVATION**



SECTION AG 105.2

**SITE PLAN**

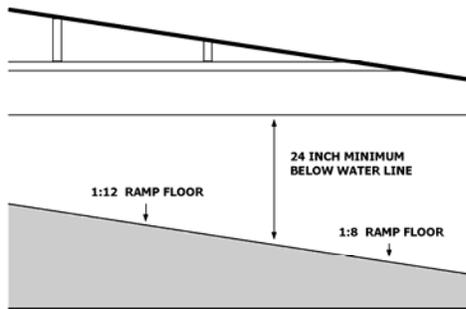


ABOVE GROUND POOL

"PROHIBITED LOCATION"

SECTION AG 105.4

**ELEVATION**



LESS THAN 50 METERS: RAMP OR FIXED OR PORTABLE LIFTING EQUIPMENT  
 50 METERS OR MORE: RAMP ONLY. HANDRAILS ON BOTH SIDES OF RAMP

SECTION 3109.8 IBC

**CROSS SECTION**

**AG10.5.6 Temporary enclosure.** A temporary enclosure shall be installed prior to the commencement of the installation of any in-ground swimming pool unless the permanent barrier specified in Section AG105.2 is in place prior to the commencement of the installation. The temporary enclosure shall be a minimum of 4 feet in height, shall have no openings that will allow passage of a flinch sphere and shall be equipped with a positive latching device on any openings.

**AG105.7 Pool alarm.** No building permit shall be issued for the construction or substantial alteration of a swimming pool at a residence occupied by, or being built for, one or more families unless a pool alarm is installed with the swimming pool. As used in this section, "pool alarm" means a device that emits a sound of at least 50 decibels when a person or an object weighing 15 pounds or more enters the water in a swimming pool.

**Exception:** Hot tubs and portables spas shall be exempt from this requirement.

**Inspectors reserve the right to modify any and all information at any time due to site conditions and code concerns.**

**Guide is not all-inclusive.**

# Swimming Pool Electric Guide



The enclosed drawings pertain to Article 680 of the 2005 National Electric Code. The written text shall apply

Information is to be used as a guide only. Inspectors reserve the right to modify any and all information at any time due to site conditions and code concerns. Guide is not all-inclusive.

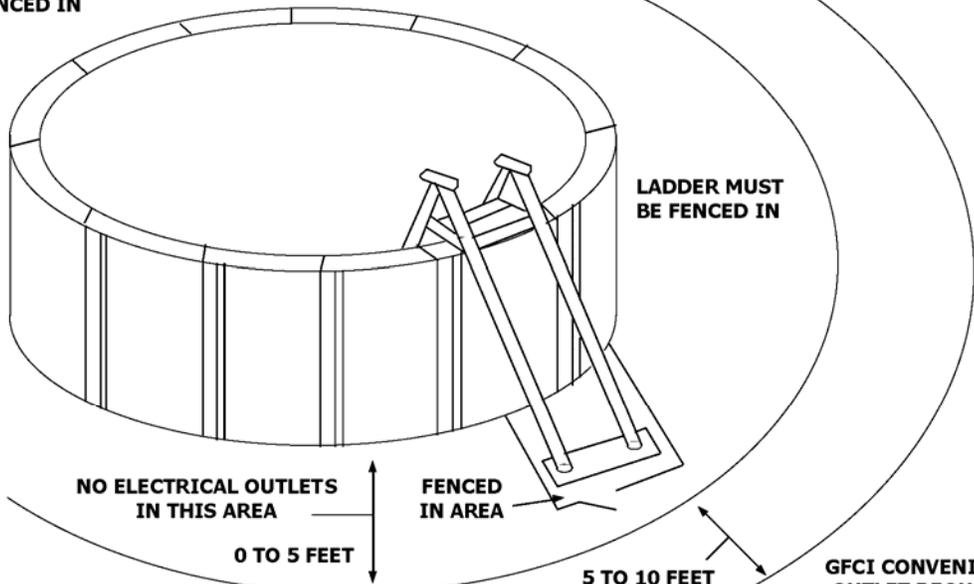
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All guide information is subject to change at any time.

**POOL MUST BE  
4 FEET HIGH OR  
FENCED IN**



**LADDER MUST  
BE FENCED IN**

**NO ELECTRICAL OUTLETS  
IN THIS AREA**

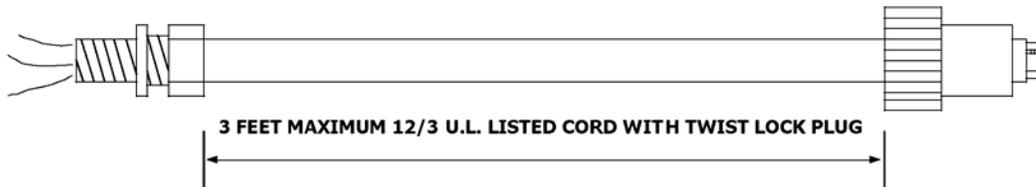
**0 TO 5 FEET**

**FENCED  
IN AREA**

**5 TO 10 FEET**

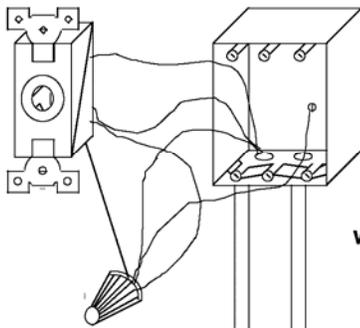
**GFCI CONVENIENCE  
OUTLET REQUIRED  
BETWEEN  
10 AND 20 FEET**

**OUTLET FOR POOL FILTER AND RELATED EQUIPMENT ONLY  
(E.G. POOL VACUUM PUMP, SOLAR HEATER ETC.) MUST BE  
GFCI PROTECTED AND TWIST LOCK CONFIGURATION**

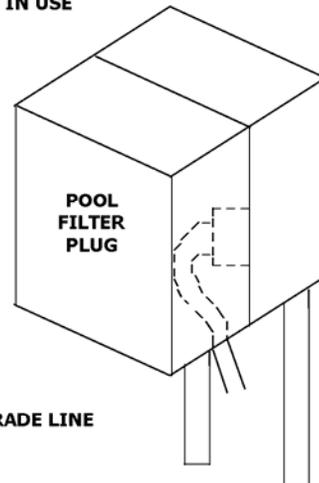


**20 AMP TWIST  
LOCK RECEPTICAL**

**WEATHER PROOF COVER MUST BE AP-  
PROVED TO BE RAIN TIGHT WHILE IN USE  
(TYPE TAYMAC OR EQUAL)**



**WEATHER PROOF BOX  
LOCATED BETWEEN  
8 AND 18 INCHES  
ABOVE GRADE**



**1/2 INCH PVC CONDUIT FROM  
CIRCUIT BREAKER PANEL  
THREE #12 THHN INSULATED  
WIRES**

**4X4 POST FOR SUPPORT  
OF ELECTRICAL BOX AND  
CONDUIT**

**GRADE LINE**

**NO ROMEX OR U.F. CABLE  
TO BE PULLED IN CONDUIT**

**CONDUITS TO BE BURIED 18  
INCHES DEEP**

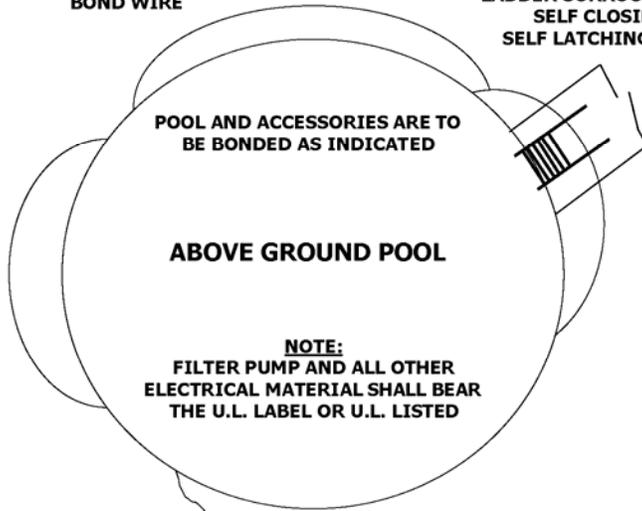
**ALL MATERIAL MUST BE U.L.  
LABELED OR U.L. LISTED**

#8 SOLID BARE COPPER  
BOND WIRE

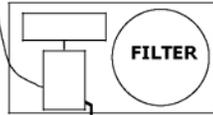
LADDER SURROUNDED BY  
SELF CLOSING,  
SELF LATCHING GATE

**ITEMS TO BE BONDED:**

- POOL FRAME
- METAL LADDER
- METAL FENCING
- POOL PUMP
- DIVING BOARD
- STAIR RAILS
- ANY METAL WITHIN 5 FEET  
OF THE POOL



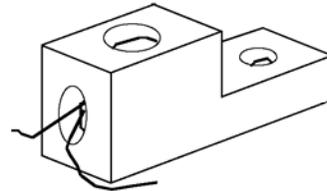
**NOTE:**  
FILTER PUMP AND ALL OTHER  
ELECTRICAL MATERIAL SHALL BEAR  
THE U.L. LABEL OR U.L. LISTED



**POOL FILTER TO BE NO CLOSER  
THAN 4 FEET FROM POOL**

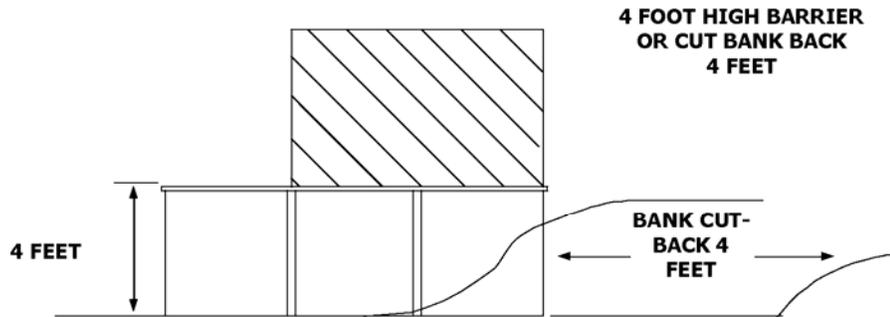
**FILTER OUTLET NO CLOSER THAN 5  
FEET FROM POOL**

**TYPICAL BONDING LUG**  
BOND WIRE SHALL BE AN UNBROKEN  
LOOP OR RUN THROUGH THE LUG

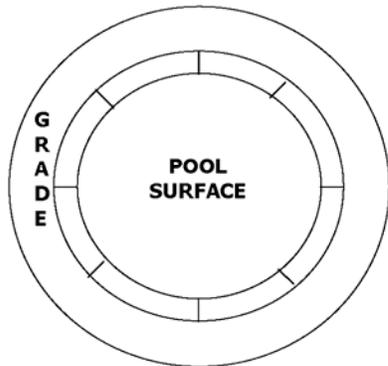


**A GROUND ROD OR RETURN OF THE #8 BOND  
WIRE TO THE PANEL IS NOT REQUIRED**

**FENCE OR APPROVED BARRIER**



**ELEVATION PLAN**



**TOP VIEW**

**4 FEET REQUIRED BETWEEN  
POOL AND ANY CHANGE IN  
GRADE**