

## Private In and Above Ground Pools

### General Information:

- A pool is any structure that contains water over 24 inches deep.
  - Includes: In-ground, aboveground, soft-side, and on-ground pools; hot tubs; spas; and fixed in-place wading pool

### Location and Setbacks:

- The waters edge shall not be located closer than 20 feet from the rear property line and 10 feet to the side property lines.
- The swimming pool, walks/paved areas, and accessory structures shall be located no less than 5 feet from the side & rear property lines.
- The swimming pool, and accessory structures shall be 10 feet from the principle structures.
- Swimming pools shall *not* encroach on front yard area.

### Enclosure Requirements:

- **Fence or Wall:**
  - Pool surface area of 150 sq ft or more & a minimum depth of 2 ft shall be completely enclosed by a barrier/fence.
  - Fence or walls should be no less than 4 feet in height measured from lower horizontal frame.
  - Horizontal pieces spaced less than 45 inches apart force vertical pieces of fence not to exceed 1.75 inches.
  - Openings in the fence or barrier shall *not* allow passage of a 4 inch diameter sphere.
  - 1-1/4 inches square chain link mesh is acceptable.
  - Fences are not required if pool is over 4 feet in height with a retractable ladder.
  - Fence or barrier shall be erected prior to filling the pool with water.
- **Gates:**
  - Self-closing, self-latching device is required for keeping the gate or doors securely closed at all times.
  - Latches should be located at least 54 inches from the bottom of the gate or 3 inches below the top of the gate on the pool side of the fence with a 1/2" maximum opening within 18 inches of the latch. (See reverse for diagram)
- **Alarm Sounding Doors:**
  - Alarms are required where the dwelling serves as part of pool barrier with a direct access to pool.
  - Direct access door must be equipped with alarm producing warning of entrance.
  - Alarm shall sound continuously for a minimum of 30 seconds.

### Electrical Requirements:

- **Flexible Cords:**
  - Fixed or stationary pools 20 amps or less are allowed to be connected to flexible cords with a max. length of 3 feet.
  - Storable pools the flexible cord shall not exceed 20 feet in length.
- Cords supplying pool equipment shall have a copper grounding conductor not smaller than 12 AWG and shall be provided with grounding-type attachment plug.
- Receptacles providing power for water-pump motors or other loads directly related to circulation and sanitation system are permitted to be located between 5 ft and 10ft from inside walls of pool.
  - Receptacles shall be single and locking and grounding type and shall be protected by ground-fault circuit interrupters.
- At least one 125-volt 15 or 20 ampere receptacle supplied by a general-purpose branch circuit is required.
  - Receptacle shall be located a min. of 10 feet and not more than 20 feet from the inside pool walls.
  - Receptacle shall be located not more than 6 feet 6 inches above floor of pool area.
- **Underground Wiring:**
  - Wiring shall not be installed within the area extending 5 feet horizontally from inside walls of pools except where wiring is installed to supply pool equipment.
  - Where inside 5 feet wiring method shall be rigid metal conduit, intermediate metal conduit, or a nonmetallic raceway system.

#### Minimum Burial Depth:

Wiring method	Minimum Burial Depth (inches)
Rigid Metal conduit	6
Intermediate Metal Conduit	6
Nonmetallic raceways (listed for direct burial without concrete encasement)	18
Other approved raceways (direct burial)	18

# In-Ground Pool Information

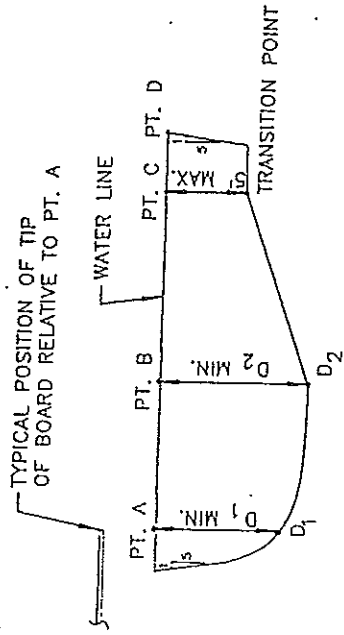


Figure 421.11  
MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD HEIGHT FOR PUBLIC AND PRIVATE POOLS

Table 421.11(1)  
MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD HEIGHT FOR PUBLIC POOLS

Board height	Minimum depth <sup>a</sup> at D <sub>1</sub> directly under end of board	Distance <sup>a</sup> between D <sub>1</sub> and D <sub>2</sub>	Minimum depth <sup>a</sup> at D <sub>2</sub>
2'2" (2/3 meter)	7'0"	8'0"	8'6"
2'6" (3/4 meter)	7'6"	9'0"	9'0"
3'0" (1 meter)	8'6"	10'0"	10'0"
3'6" (1.1 meter)	11'0"	10'0"	12'0"

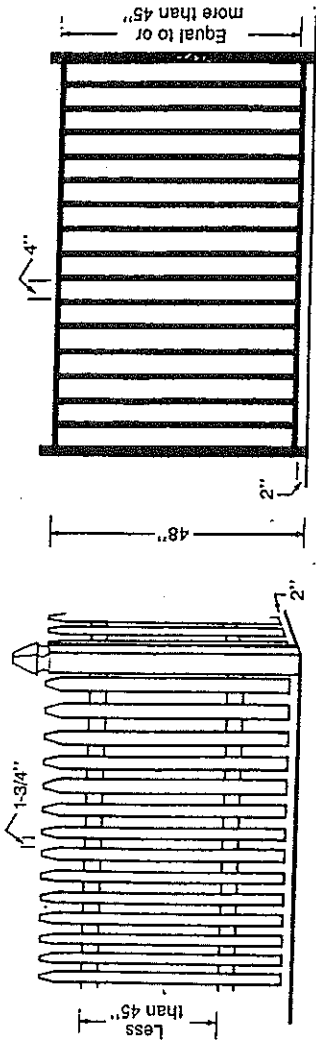
Note a. 1 foot = 304.8 mm.

Table 421.11(2)  
MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD HEIGHT FOR PRIVATE POOLS

Board height	Minimum depth <sup>a</sup> at D <sub>1</sub> directly under end of board	Distance <sup>a</sup> between D <sub>1</sub> and D <sub>2</sub>	Minimum depth <sup>a</sup> at D <sub>2</sub>
1'8" (1/2 meter)	6'0"	7'0"	7'6"
2'0" (2/3 meter)	6'10"	7'6"	8'0"
2'6" (3/4 meter)	7'5"	8'0"	8'0"
3'4" (1 meter)	8'6"	9'0"	9'0"

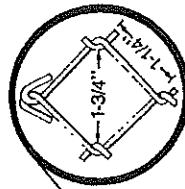
Note a. 1 foot = 304.8 mm.

# Fence Depictions

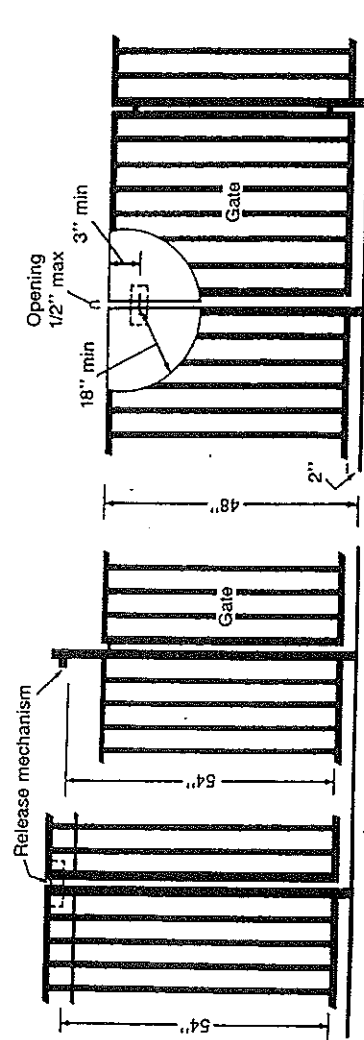


PARA. 4: IF HORIZONTAL MEMBERS ARE LESS THAN 45° APART, VERTICAL SPACING SHALL NOT EXCEED 1-3/4".

PARA. 5: IF HORIZONTAL MEMBERS ARE EQUAL TO OR MORE THAN 45° APART, VERTICAL SPACING SHALL NOT EXCEED 4".



PARA. 6: 1-1/4" SQUARE CHAIN LINK MESH.



RELEASE MECHANISM LOCATED AT 54" OR HIGHER FROM THE BOTTOM OF THE GATE.

RELEASE MECHANISM LOCATED LESS THAN 54" FROM THE BOTTOM OF THE GATE.