

EXHIBIT 680.2 An example of a receptacle installed according to 680.22(A).

common to a pool. They do not apply to direct-connected equipment.

See also

680.21(C), which covers direct-connected pool pump motors
680.50, which covers pools with associated fountains

As required by 680.22(A)(1), a permanently installed pool is required to have at least one receptacle on a general-purpose branch circuit that is located at least 6 feet from the pool and not more than 20 feet from the pool. This allows ordinary appliances to be safely plugged in and used near the pool but avoids the need for extension cords in the pool vicinity. The 6-foot minimum dimension reduces the likelihood that an appliance with a 6-foot cord could be accidentally knocked into the pool.

Section 680.22(A)(4) applies to pools located outdoors or indoors, permanently installed, and for residential or commercial use. Because people within 20 feet of a pool are normally subjected to dampness and moisture, the GFCI requirement within the 20-foot space is warranted.

Examples of receptacles meeting the requirements of 680.22(A) are shown in Exhibits 680.2 and 680.3. Receptacles located in a structure are permitted to be less than 6 feet from the pool, because the structure is considered to provide a permanent barrier separating the receptacle from the pool. The one required receptacle precludes having to run the cord of an appliance used on the pool deck through a doorway.

(1) Required Receptacle, Location. Where a permanently installed pool is installed, no fewer than one 125-volt, 15- or 20-ampere receptacle on a general-purpose branch circuit shall be located not less than 1.83 m (6 ft) from, and not more than 6.0 m (20 ft) from, the inside wall of the pool. This receptacle shall be located not more than 2.0 m (6 ft 6 in.) above the floor, platform, or grade level serving the pool.

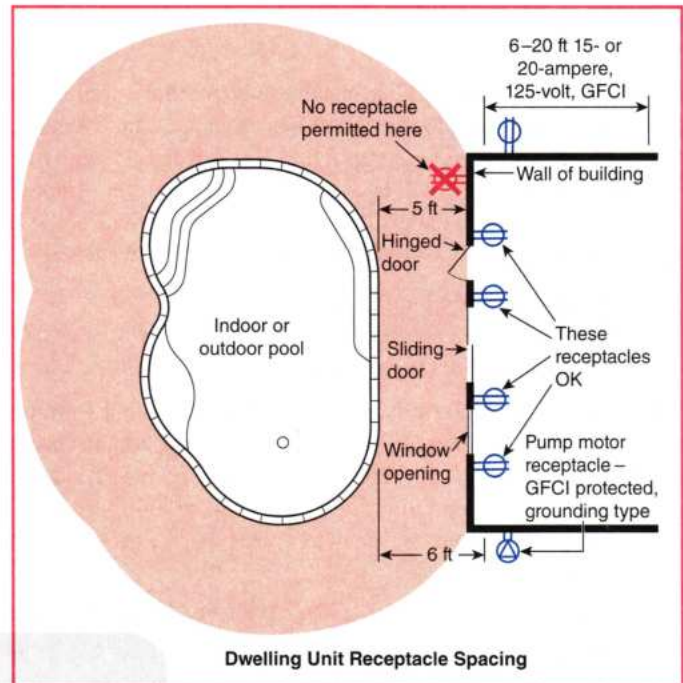


EXHIBIT 680.3 Acceptable receptacle locations within 20 feet of a permanently installed swimming pool.

(2) Circulation and Sanitation System, Location. Receptacles that provide power for water-pump motors or for other loads directly related to the circulation and sanitation system shall be located at least 1.83 m (6 ft) from the inside walls of the pool. These receptacles shall have GFCI protection and be of the grounding type.

(3) Other Receptacles, Location. Other receptacles shall be not less than 1.83 m (6 ft) from the inside walls of a pool.

(4) Ground-Fault Circuit-Interrupter (GFCI) and Special Purpose Ground-Fault Circuit-Interrupter (SPGFCI) Protection. All receptacles rated 125 volts through 250 volts, 60 amperes or less, located within 6.0 m (20 ft) of the inside walls of a pool shall have GFCI protection complying with 680.5(B) or SPGFCI protection complying with 680.5(C), as applicable.

(5) Measurements. In determining the dimensions in this section addressing receptacle spacings, the distance to be measured shall be the shortest path the supply cord of an appliance connected to the receptacle would follow without piercing a floor, wall, ceiling, doorway with hinged or sliding door, window opening, or other effective permanent barrier.

(B) Luminaires, Lighting Outlets, and Ceiling-Suspended (Paddle) Fans.

(1) New Outdoor Installation Clearances. In outdoor pool areas, luminaires, lighting outlets, and ceiling-suspended (paddle) fans installed above the pool or the area extending 1.5 m (5 ft) horizontally from the inside walls of the pool shall be