

- (5) All metal surfaces that are within 1.5 m (5 ft) of the inside wall or perimeter of the fountain and that are not separated from the fountain by a permanent barrier
- (6) Electrical equipment located less than 1.5 m (5 ft) of the inside wall or perimeter of the fountain

N (C) Equipotential Bonding of Splash Pads. For the purpose of equipotential bonding, the shell of a splash pad shall comprise the area traversed by pedestrians bounded by the extent of the footing of the splash pad and rising to its exposed surface(s) and its collection basin area. The boundary of this area shall be considered to be the inside wall for the purpose of perimeter bonding.

680.55 Methods of Grounding.

(A) Applied Provisions. The provisions of 680.7(A), 680.21(A), 680.23(B)(3), 680.23(F)(1) and (F)(2), and 680.24(F) shall apply.

(B) Supplied by a Flexible Cord. Electrical equipment that is supplied by a flexible cord shall have all exposed non-current-carrying metal parts grounded by an insulated copper equipment grounding conductor that is an integral part of this cord. The equipment grounding conductor shall be connected to an equipment grounding terminal in the supply junction box, transformer enclosure, power supply enclosure, or other enclosure.

680.56 Cord-and-Plug-Connected Equipment.

(A) GFCI Protection. All electrical equipment, including power-supply cords, shall be GFCI protected.

(B) Cord Type. Flexible cord immersed in or exposed to water shall be of a type for extra-hard usage, as designated in Table 400.4, and shall be a listed type with a "W" suffix.

(C) Sealing. The end of the flexible cord jacket and the flexible cord conductor termination within equipment shall be covered with, or encapsulated in, a suitable potting compound to prevent the entry of water into the equipment through the cord or its conductors. In addition, the ground connection within equipment shall be similarly treated to protect such connections from the deteriorating effect of water that may enter into the equipment.

(D) Terminations. Connections with flexible cord shall be permanent, except that grounding-type attachment plugs and receptacles shall be permitted to facilitate removal or disconnection for maintenance, repair, or storage of fixed or stationary equipment not located in any water-containing part of a fountain.

680.57 Signs.

(A) General. This section covers electric signs installed within a fountain or within 3.0 m (10 ft) of the fountain edge.

(B) GFCI Protection. Branch circuits or feeders supplying the sign shall have GFCI protection.

(C) Location.

(1) Fixed or Stationary. A fixed or stationary electric sign installed within a fountain shall be not less than 1.5 m (5 ft) inside the fountain measured from the outside edges of the fountain.

(2) Portable. A portable electric sign shall not be placed within a pool or fountain or within 1.5 m (5 ft) measured horizontally from the inside walls of the fountain.

(D) Disconnect. A sign shall have a local disconnecting means in accordance with 600.6 and 680.13.

(E) Bonding and Grounding. A sign shall be grounded and bonded in accordance with 600.7.

Electric signs in fountains are required to have GFCI protection. This protection is required in the feeder or branch circuit supplying the sign. To prevent contact by persons around the fountain, fixed or stationary signs must be at least 5 feet from the edge of the fountain (see Exhibit 680.11). This also applies to signs located within 10 feet of the outside edge of the fountain.

Δ 680.58 Ground-Fault Circuit-Interrupter (GFCI) and Special Purpose Ground-Fault Circuit-Interrupter (SPGFCI) Protection for Adjacent Receptacle Outlets. All receptacles rated 125 volts through 250 volts, 60 amperes or less, located within 6.0 m (20 ft) of a fountain edge shall have GFCI protection complying with 680.5(B) or SPGFCI protection complying with 680.5(C), as applicable.

680.59 Ground-Fault Circuit-Interrupter (GFCI) and Special Purpose Ground-Fault Circuit-Interrupter (SPGFCI) Protection for Permanently Installed Nonsubmersible Pumps. Outlets supplying all permanently installed nonsubmersible pump motors shall have GFCI protection



EXHIBIT 680.11 Electric sign located in a fountain as described in 680.57.