Chapter 16 with due allowance for shape, open construction and similar features that relieve the pressures or loads. Structural members shall be protected to prevent deterioration. Awnings shall have frames of noncombustible material, fire-retardant-treated wood, wood of Type IV size, or 1-hour construction with combustible or noncombustible covers and shall be either fixed, retractable, folding or collapsible.

Exceptions:

1. Fixed awnings shall not be required to be designed to resist nominal \( V_{\text{awd}} \) wind loads in excess of 90 mph.

2. Retractable awnings shall not be required to be designed to resist wind or snow loads.

(Amd) **3107.1 General.** Signs shall be designed, constructed and maintained in accordance with Appendix H of this code.

(Amd) **3109.1 General.** Swimming pools shall comply with the requirements of Section 3109.2 to 3109.9, inclusive, and other applicable sections of this code.

(Add) **3109.1.1 Health Department regulations.** No person shall construct, substantially alter or reconstruct a swimming pool until the construction documents and water discharge provisions have been approved by the Department of Public Health, in accordance with the regulations adopted pursuant to section 19a-36 of the Connecticut General Statutes.

*Exception:* Swimming pools accessory to owner-occupied, detached one- two- or three-family residences and swimming pools accessory to a single one-family townhouse where the pool is intended to be used exclusively by the owner and invited guests.

(Amd) **3109.3 Public swimming pools.** Public swimming pools shall be completely enclosed by a barrier meeting the requirements of Section 3109.4.

(Amd) **3109.4 Swimming pool barriers.** Residential and public swimming pool barriers shall comply with Sections 3109.4.1 to 3109.4.3, inclusive.

*Exception:* A residential swimming pool with a power safety cover or a spa with a safety cover complying with ASTM F 1346 need not comply with Section 3109.4.

(Amd) **3109.4.1.1 Openings.** Openings in residential swimming pool barriers as defined by the exception to Section 3109.1.1 shall not allow passage of a 4-inch-diameter (102 mm) sphere. Openings in public swimming pool barriers shall not allow passage of a 2-inch diameter (51 mm) sphere.

(Amd) **3109.4.1.4 Widely spaced horizontal members.** 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 in residential pools shall be greater than 4 inches (102 mm) and spacing between vertical members in public pools shall be greater than 2 inches (51 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed ½ inches (44 mm) in width.

(Amd) **3109.4.1.8 Dwelling wall as a barrier.** Where a wall of a dwelling serves as part of the barrier, one of the following shall apply:

1. Doors with direct access to the pool through that wall shall be equipped with an alarm that 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. In dwellings not required to
be accessible units, Type A units or Type B units, the deactivation switch shall be located 54 inches (1372 mm) or more above the threshold of the door. In dwelling units required to be accessible units, Type A units or Type B units, the deactivation switch shall be located not higher than 54 inches (1372 mm) and not less than 48 inches (1219 mm) above the threshold of the door.

2. The pool shall be equipped with a power safety cover which complies with ASTM F1346.

3. All doors with direct access to the pool through that wall shall be equipped with a self-closing and self-latching device with the release mechanism located a minimum of 54 inches above the door threshold. Swinging doors shall open away from the pool area.

(Amd) 3109.4.1.9 Pool structure as a barrier. Where an above-ground or on-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, then the ladder or steps shall be surrounded by a barrier that meets the requirements of Sections 3109.4.1.1 to 3109.4.1.8, inclusive.

   Exception: A residential spa or hot tub with a safety cover complying with ASTM F 1346.

(Amd) 3109.4.2 Indoor swimming pools. Walls surrounding indoor swimming pools shall be required to comply with Section 3109.4.1.8.

(Add) 3109.6 Temporary enclosure. A temporary enclosure shall be installed prior to the electrical bonding inspection of any in-ground swimming pool unless the permanent barrier specified in Section 3109 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 4-inch sphere and shall be equipped with a positive latching device on any openings.

(Add) 3109.7 Pool alarm. Pursuant to section 29-265a of the Connecticut General Statues 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 portable spas shall be exempt from this requirement.

(Add) 3109.8 Accessibility. Public swimming pools, when less than 50 meters in length, shall be provided with ramps or approved fixed or portable lifting equipment for the purpose of providing assisted access to the water for persons with disabilities. Public swimming pools, when 50 meters or more in length, shall be provided with ramps. All public swimming pools, pool decks, toilet facilities, showers, locker and dressing areas shall be accessible and located along accessible routes.

(Add) 3109.8.1 Slopes and handrails. The slopes of ramps for accessibility, where required, shall not exceed one unit vertical to eight units horizontal (1:8) where located at least 24 inches below the water line and one unit vertical to 12 units horizontal (1:12) above that point. Ramps shall be provided with handrails on both sides in accordance with Section 1010.8.

(Add) 3109.9 Pool structure. The pool structure shall be engineered and designed to withstand the expected forces to which the pool will be subjected.