



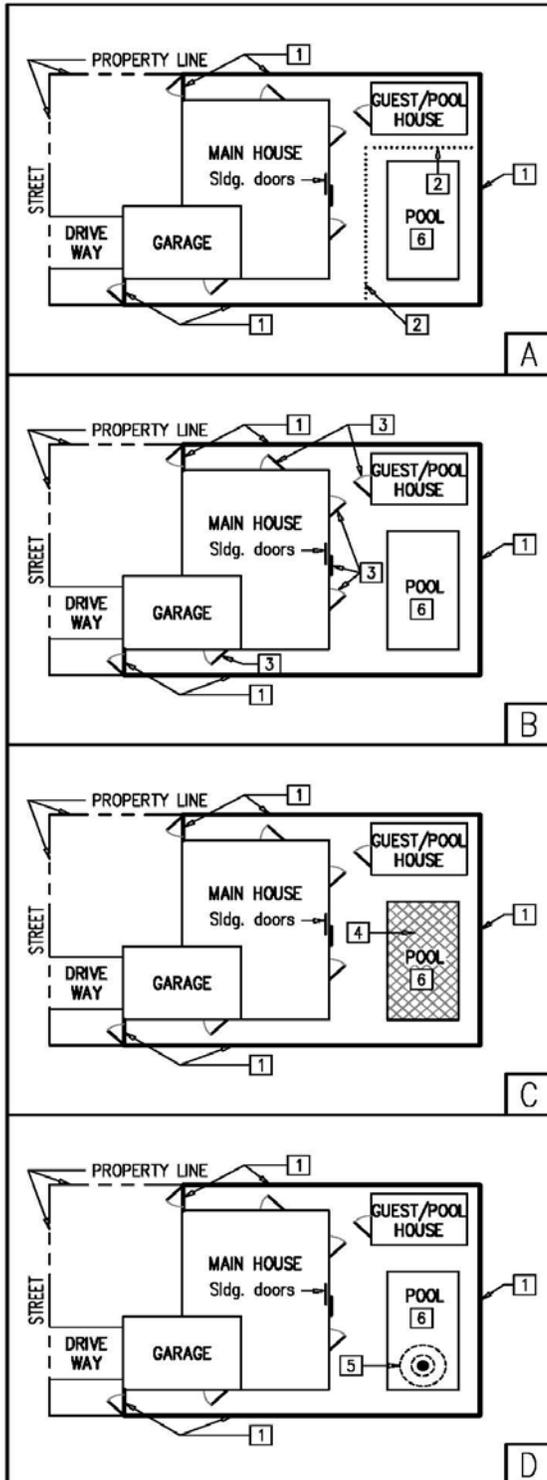
CITY OF DIAMOND BAR

DEPARTMENT OF BUILDING & SAFETY

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POOL – SPA FENCING AND SAFETY BARRIERS

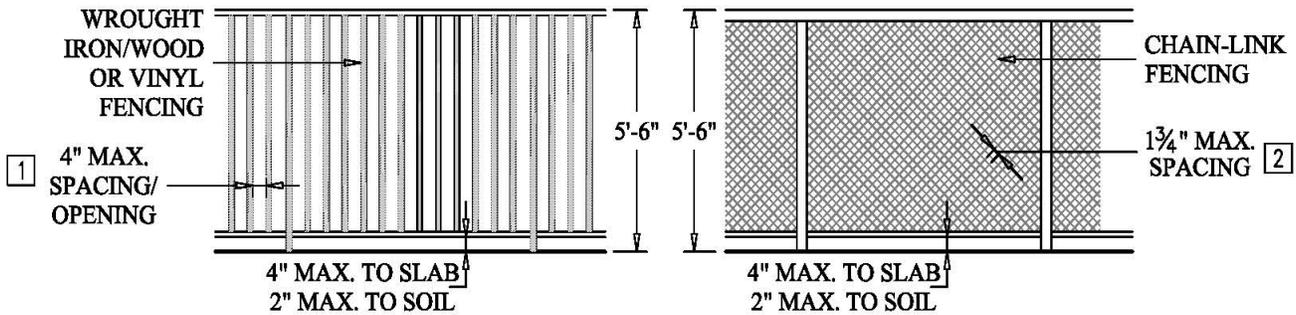
SELECT ONE OF THE FOLLOWING FOUR OPTIONS (A TO D) TO SATISFY BOTH CITY AND STATE REQUIREMENTS GOVERNING PROPERTY FENCING AND POOL SAFETY BARRIERS.



KEYNOTES

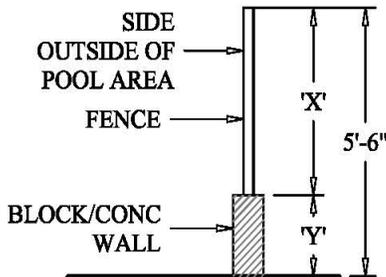
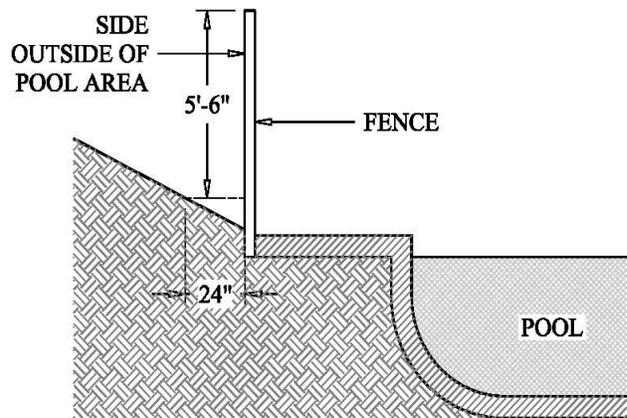
1. PROPERTY FENCING and GATES Shall be permanent and not less than FIVE FEET (5'-0") high above grade/slab. All gates in the fencing shall be maintained as self-closing and self-latching with every latching device not less than five feet (5'-0") above the ground/finished surface. Driveway and garage vehicle-access doors, overhead doors, and double gates and doors are not permitted as part of the fencing or enclosure. All gates shall open away from pool side.
2. BARRIER FENCE may be permanent OR removable mesh pool fencing (meeting ASTM Specifications F 2286 standards) in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device. All gates shall open away from pool side and equipped with release mechanism placed no lower than 54 inches above the floor. A minimum height of FIVE FEET (5'-0") from pool deck outside of the pool fencing area is required.
3. DOORS - All doors providing access to pool shall be equipped with approved exit alarms OR be self-closing and latching devices with release mechanism placed no lower than 54 inches above the floor. Applicable doors: sliding glass and swinging doors, doors from the main house, attached garage, guest house, pool house, and other habitable spaces if they allow access to the pool.
4. APPROVED POOL COVERS - Manually or power-operated safety pool cover meeting all of the performance standards of ASTM F1346-91.
5. SWIMMING POOL ALARMS that, when placed in pools, will sound upon detection of accidental or unauthorized entrance into the water meeting ASTM Standard F 2208 "Standards Specification for Pool Alarms" which includes surface motion, pressure, sonar, laser, and infrared type alarms. For purposes of this article, "swimming pool alarms" shall not include swimming protection alarm devices designed for individual use, such as an alarm attached to a child that sounds when the child exceeds a certain distance or becomes submerged in water.
6. CIRCULATION DRAINS AND ANTI-ENTRAPMENT COVERS. [See page 3](#) for complete description of requirements.

DETAILED REQUIREMENTS



- 1 Fencing shall be such that vertical pickets do not allow a 4" sphere to pass through when horizontal bars or openings are not less than 48" apart. Other designs shall have openings that will not allow a 1-3/4" sphere to pass through.
- 2 Chain link fences shall be not less than 11 gage galvanized wire with openings that will not permit the passage of a 1 3/4" sphere, unless slats are attached and maintained in place.

Height
The height of any fence shall not be less than five feet six inches (5'-6") above grade measured on the side outside of the pool fencing with no openings, design, or protrusions which will facilitate the scaling of the fence. The height is measured to the nearest grade or surface within 24" of the fence bottom.



When a fence is located on top of a block wall, either X or Y shall be at least 48" high. Total height must be at least 5'-6".

Gates and Doors
All gates and doors in the fencing shall be maintained as self-closing and self-latching with every latching device not less than five feet (60") above the ground. Driveway and garage vehicle-access doors, overhead doors, and double gates and doors are not permitted as part of the fencing or enclosure. Pedestrian doors opening from a garage into the pool fencing or enclosure shall comply with the above self-closing and latching requirements.

CODE LANGUAGE

Whenever a building permit is issued for the new construction or remodel/addition of a swimming pool or spa, the pool or spa shall meet all of the following requirements regarding fencing and safety barriers as well as the requirements for circulation drains and anti-entrapment covers.

Fencing and Safety Barriers - FENCING requirement is to separate the pool from adjacent properties and public ways. The intent of State of California Health and Safety Code SAFETY BARRIERS is to separate the pool from the home. See Page 1 of this document for methods of achieving code compliance.

Pool Fencing - A 5'-0" high, permanent fence is required to completely surround any and every pool/spa or any body of water over 18" deep. All gates in the **FENCING** shall be maintained as self-closing and self-latching with every latching device not less than five feet (60") above the ground/finished surface. Driveway and garage vehicle-access doors, overhead doors, and double gates and doors are not permitted as part of the fencing or enclosure. All fencing forming the pool enclosure shall be in place and approved by the building inspector prior to plastering and filling with water

State of California Health and Safety Code Sections 115920-115929 - Commencing January 1, 2007, whenever a building permit is issued for construction of a new swimming pool or spa, or any building permit is issued for remodeling of an existing pool or spa, at a private, single-family home, it shall be equipped with at least one of the following seven drowning prevention safety features (**SAFETY BARRIERS**): (1) A pool enclosure/fencing, (2) Removable mesh pool fencing that meets ASTM Specifications F 2286 in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device, (3) An approved safety pool cover that meets all requirements of the ASTM Specifications F 1346, (4) Exit alarms on all doors leading to pool, (5) Self-closing and latching devices at 54" above floor on all doors leading to the pool, (6) Swimming pool alarms that, when placed in pools, will sound upon detection of accidental or unauthorized entrance into the water, or (7) Any other tested and approved means that meeting standards for those devices established by the ASTM or the American Society of Mechanical Engineers (ASME).

Circulation Drains and Anti-entrapment Covers. Whenever a building permit is issued for the new construction or remodel of a swimming pool or spa, the pool or spa shall meet all of the following requirements: Health and Safety Code 115928 and 115928.5.

(a) CIRCULATION DRAINS

(1) The suction outlet of the pool or spa for which the permit is issued shall be equipped to provide circulation throughout the pool or spa as prescribed in paragraph (2).

(2) The swimming pool or spa shall have at least two circulation drains per pump that shall be hydraulically balanced and symmetrically plumbed through one or more "T" fittings, and that are separated by a distance of at least three feet in any dimension between the drains.

(b) Suction outlets that are less than 12 inches across shall be covered with anti-entrapment grates, as specified in the ASME/ANSI Standard A 112.19.8, that cannot be removed except with the use of tools. Slots or openings in the grates or similar protective devices shall be of a shape, area, and arrangement that would prevent physical entrapment and would not pose any suction hazard to bathers.

(c) Any backup safety system that an owner of a new swimming pool or spa may choose to install in addition to the requirements set forth in subdivisions (a) and (b) shall meet the standards as published in the document, "Guidelines for Entrapment Hazards: Making Pools and Spas Safer," Publication Number 363, March 2005, United States Consumer Product Safety Commission.

(d) Whenever a building permit is issued for the remodel or modification of an existing swimming pool, toddler pool, or spa, the permit shall require that the suction outlet of the existing swimming pool, toddler pool, or spa be upgraded so as to be equipped with an anti-entrapment cover meeting current standards of the American Society for Testing and Materials (ASTM) or the American Society of Mechanical Engineers (ASME).