

**Permit Requirements
Electrified Security Gate or Fence**

Kern County Fire Department



Office of the Fire Marshal ~ Fire Prevention
2820 M St. ~ Bakersfield, CA 93301

Telephone (661) 391-3310 ~ Fax (661) 636-0466/67

Website: kerncountyfire.org

Email: fireprevention@kerncountyfire.org <mailto:fireprevention@co.kern.ca.us>



Please include completed Application for Permit (KCFD 200) with submittal

Fee Amount: \$215.00

Fee Code: 1.12

2019 California Fire Code Section 105.7.12; A construction permit is required for the installation of or modification to a gate, fence, or barricade across a fire apparatus road.

The intent of this document is to aid in the construction permitting process including Change of Use/Occupancy for an electrified security gate within commercial buildings or tenant spaces regarding what should be submitted for the Fire Marshal's Office review. Because every building differs, this guideline is not intended to identify each code requirement applicable, therefore the applicant must follow all appropriate codes adopted by Kern County for the process or construction under review. Other Fire Department operational permits may be required.

1. Permits for electrified security gates or fencing shall be applied for at 2820 M St., Bakersfield, CA 93301.
2. Fee shall be submitted at time of application submittal. Make check payable to Kern County Fire Department. **Visa and MasterCard accepted.**

Electrified security gate and/or fence installation across a fire apparatus access road shall be approved by the fire code official. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times. Electric gate operators, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed, and installed to comply with the requirements of ASTM F 2200.

A "Knox Box" device shall be installed for emergency access. The "Knox Box" device shall disconnect electrical power to the fence. Unless otherwise specified herein, electric fences shall be constructed or installed in conformance with applicable provisions of International Electro technical Commission (IEC) standards for electric fence energizers, as well as applicable provisions of the California Electrical Code (CEC), as necessary.

1. Electrification.
 - A. The energizer for electric fences must be driven by a commercial storage battery not to exceed 12 volts DC or other approved 12 volt DC or less power source.
 - B. The electric charge produced by the fence upon contact shall not exceed energizer characteristics set forth in the IEC standard for electric fence energizers.

- C. Non-low voltage electrical components (e.g., controllers, transformers) of the electric fencing system shall be approved and listed by an Occupational Safety and Health Act (OSHA) Nationally Recognized Testing Laboratory (NRTL).
 - D. The energized fence shall be jumpered to de-energize the fence around any gate lock or locking device for 18".
2. Perimeter Fence or Wall. Electrified fencing shall be completely surrounded by a non-electrified fence or wall that is not less than six (6) feet high and have no barbed, concertina, or similar wire attached. Any barbed, concertina, or similar wire on existing fences shall be removed prior to the installation of the electric fence.
 3. Setback. Any opening in the perimeter fence less than or equal to three (3) inches shall require a minimum 12-inch setback from the electric fence. Any opening in the perimeter fence greater than three (3) inches shall require a minimum 36-inch setback from the electric fence.
 4. Height. Electrified fencing shall not have a height in excess of 10 feet.
 5. Warning Signs. Electric fences shall be clearly identified with warning signs on both the inside and outside of the fence. The signs shall read "Warning-Electric Fence" in English with international symbols and other languages as required by the Land Development Permit, at intervals of not greater than 30 feet. Signs shall also be installed within 5 inches of any padlock or other device used to secure a gate.
 6. Emergency Access. A "Knox Box" shall be installed for emergency access by the Fire Department. A means to disconnect electrical power to the fence shall be readily available to the Fire Department. Disconnect switches and controls shall be in an accessible location on the property and shall not be obscured in any manner from the street/private driveway access. Where electric gate openers are installed the gate shall open simultaneously when disconnecting electrical power. Approved signs at all gates stating the identification of such switches/controls in addition to informational instructions as to how to disable the electrical system shall be installed to the satisfaction of the Fire Marshal. As a condition of permit issuance, all applicants issued permits to install or use an electric fence as provided in this chapter will agree to waive any and all claims for damages to the electric fence against the County of Kern and/or its personnel in the event access damages the systems.
 7. Adjacent Residential Zones or Uses. Electric fences shall be prohibited adjacent to any residentially zoned or residentially used property.

Additional Requirements: _____

Mailing Address:
Kern County Fire Department
2820 M St.
Bakersfield, CA 93301
Attn: Fire Prevention