



Clark County Fire Department

FIRE PREVENTION BUREAU

4701 W. Russell Road • Las Vegas, NV 89118



John Steinbeck, Fire Chief

Kelly Blackmon, Sr. Deputy Fire Chief/Fire Marshal

Danny Horvat, Assistant Fire Chief • Wayne Dailey, Assistant Fire Chief

PERMIT GUIDE

FIRE ACCESS GATES

This guide is to assist in the permitting process for a new fire access gate that crosses a fire apparatus access road. A permit is required per section 105.7.12 of the IFC. The installation of an access gate across a fire apparatus road shall be approved by the fire code official. Access Gates shall be installed per section 503.6 of the CCFC.

Electric Gate operators shall be listed per UL 325; New system classification as follows.

Gate Types	Description
Class I	A gate for the garage or parking area intended for use in a home of one to four single family dwelling
Class II	A gate intended for use in a commercial location, multi-family housing units > 5, hotel, garages, retail stores, or other building servicing the general public
Class III	A gate intended for use in an industrial location such as a factory, loading dock area, or other location not for servicing the general public.
Class IV	A gate intended for use in a guarded industrial location or building such as an airport security area, or other restricted access locations not servicing the general public in which unauthorized access is prevented by means of supervision by security personnel.

APPLICABLE CODES:

The following codes and standard apply to this permit.

- *International Fire Code, 2018 edition (IFC)*
- *Clark County Fire Code Amendments, 2018 edition (CCFC)*
- *Standard to which Vehicular Gate Operators are manufactured and tested, UL 325*
- *Standard Specification for Automated Vehicular Gate Construction, ASTM F 2200-20*

Link to CCFD 2018 IFC Amendments:

https://cms8.revize.com/revize/clarknv/Building%20&%20Fire%20Prevention/Codes/ClarkCounty_FireCodeAmendments2018.pdf?t=1598331770575&t=1598331770575

SUBMITTAL REQUIREMENTS:

The listed requirements in this guide are not intended to be all inclusive, nor do they entail a limit to the extent of the information, etc., which may be necessary to properly evaluate the submitted plans and documents. Not all items may apply to your project.

CONSTRUCTION DOCUMENTS: Plans and Specifications per CCFC Section 503.6.5.

BOARD OF COUNTY COMMISSIONERS

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Project name, address, and Assessor's Parcel Number (APN).

Contractor's/Owner's contact information.

1. Provide Gate type.
 - Automatic or Manual
 - Horizontal slide, horizontal swing, vertical lift, vertical pivot, and overhead pivot
2. Clarify Gate Classification; Class I thru IV (see above)
3. Provide a site plan showing the following information.
 - Detailed vicinity map including major cross streets
 - North Arrow, roadway, and gate location(s) and dimensions
 - A gate opening at least 20 feet wide in clear width.
 - A fire access lane on each side of the gate a minimum of 24 feet wide.
 - Location of Automatic Vehicle Identification system (AVI) underground roadway loops, and markers.
 - Detector Loop: Provide dimension from center of gate to the green marker location identifying the AVI loop. Shall be no closer than 25 feet
 - Safety Loop: Dimensions must extend across center of the road to be within 2ft of the right and left sides of the access lane.
 - For Manual Gates.
 - Clarify how gate will be operated.
 - Provide information on locking system and how access is provided.
 - Prior approval of the locking system may be required by the Fire Chief.
4. Provide Manufacturer specification sheets for all components. Shall be listed in accordance with UL 325 and installed per ASTM F2200.
 - In the event of a power failure, explain fail safe conditions.
 - Emergency operation shall always be functioning.
 - If applicable provide information on (AVI). All Electrically operated gates must be equipped for fire department emergency response vehicles. Ensure minimum system requirements are met.

AVI System Requirements	
Voltage	12-Volt DC
Current	0.065 to 0.035 amps
Radio Frequency	375 kHz
Power cable	two conductor twisted shield cable
Coding transmitting time	Every 15 milliseconds

5. Provide information on AVI Transmitter.
The Installing contractor shall supply the Fire Department with a transmitter for each gate. Contact the Fire Dept. Warehouse at 702-455-7740.