



## CLARK COUNTY FIRE DEPARTMENT - FIRE PREVENTION BUREAU

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Website: [Fire Department \(clarkcountynv.gov\)](http://Fire Department (clarkcountynv.gov))

Email: [FPPCQ@clarkcountynv.gov](mailto:FPPCQ@clarkcountynv.gov)

### Permit Submittal Guideline

## 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 105.6.12 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
<b>Class I</b>	A gate for the garage or parking area intended for use in a home of one to four single family dwelling
<b>Class II</b>	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
<b>Class III</b>	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.
<b>Class IV</b>	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, 2024 edition (IFC)*
- *Clark County Fire Code Amendments, 2024 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*

### SUBMITTAL REQUIREMENTS:

The requirements listed 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.

Please note that fire access gates are applied through the Building Department as a fence permit and will be reviewed as a fire prevention task on that building permit.

#### 1. CONSTRUCTION DOCUMENTS:

- Plans and Specifications per CCFC Section 503.6
- Project name, address, and Assessor's Parcel Number (APN)
- Contractor's/Owner's contact information.
- **Provide Gate Type:**

- Automatic or Manual or Horizontal slide, horizontal swing, vertical lift, vertical pivot, and overhead pivot
- **Provide Gate Classification;**
  - Class I thru IV (see above)

**2. SITE PLAN: 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.

**3. MANUFACTURER SPECIFICATION SHEETS; 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.

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

**4. AVI TRANSMITTER; 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.