



Fairfield Fire Department
Fire Prevention Division
1200 Kentucky Street, Fairfield, CA 94533
Phone (707) 428.7375

ACCESS GATES

STD# 02-24 Effective Date: 01/01/2024

SCOPE

This standard is for the design, installation, and maintenance of gates crossing designated fire department apparatus access roads and fire lanes and is pursuant to the 2022 California Fire Code and Local Ordinance.

PLANS

A plan shall be submitted for permit and shall meet the Fairfield Fire Prevention Bureau Standard 20-24.

Fire Department access plans shall be provided for all projects that alter the property access, traffic lanes, parking, building dimensions, building uses or building access. Fire Department access plans shall be provided in association with all plans submitted to the City of Fairfield Building or Planning Department, or in association with other permits. Submittals shall show compliance with all portions of this document by providing plans with notes, details and dimensions.

SPECIFICATIONS

1. All gates crossing designated fire apparatus roads and fire lanes shall be provided with operation and controls via one of the following:
 - a) Gates shall be guarded on a 24-hour basis by onsite facility security responsible for securing the property and allow access in an emergency. Secured gate operation with security may be electric or manual operation.
 - b) Unguarded gates shall be provided with emergency access provisions as noted below.
2. Gates shall be inset a minimum of thirty (30) feet off adjacent roadway or



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driveway edge

3. All vehicle gates shall provide a minimum of 20' clear opening when gate is in the open position. Gates provided for dedicated direction, one way, or divided access shall be provided a minimum of two (2) gates, each gate shall provide 14' clear opening when in the open position. Gate opening width shall account for road and driveway angles and provide additional clear space where gates are within the vehicle turning radius.
4. All vehicle gates shall show the property address or the address shall be visible and legible from the street or roadway when at the exterior of a gate.
5. Automatic gate loop systems located on the inside portion of the access roadway shall permit vehicular traffic to open the gate from the inside by driving over the loop. This process shall not take any special knowledge, actions or codes to open the gate to exit the area. The loop system shall also keep the gate open as long as vehicular traffic is passing through it.
6. Prohibited Devices: All required vehicle access openings shall provide both ingress and egress. Direction limiting devices, such as fixed fire spikes, are prohibited. No device may be used which will delay the ingress or egress of emergency responders. The total number of vehicle access control gates or systems, through which emergency vehicles must pass to reach any address shall not exceed one.

COMMERCIAL PROPERTIES

1. All vehicle gates shall be openable from the exterior by the use of Knox padlock or key switch.
2. All vehicle gates opened electrically shall have a control pedestal or similar location for exterior control and shall include a Knox key switch for emergency personnel use.



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3. All vehicle gates opened electrically shall have a pedestrian gate within line of site. Vehicle gates shall not be considered as pedestrian gates.
4. A Knox lock box shall be installed to allow emergency personnel access through pedestrian gates. Emergency personnel must be able to access manual backup controls for electric operated vehicle gates.
5. If gate is manually operated and secured with a chain and lock, specifications shall be detailed in permit plans.
6. If there are two or more gates in any single development or property, all gates must be operated in the same fashion. Example: if the main gate is electrically operated then all gates shall be electrically operated. Exception: property gates installed to access landscape or undeveloped areas not crossing fire department apparatus access roads are not required to conform.

GATED COMMUNITY DEVELOPMENTS/RESIDENTIAL PROPERTIES

1. Multi-family developments with 100 units or more shall have gates with electrical operation. All electrical vehicular gates shall be provided with access control using a "Click2Enter" radio receiver for public safety and authorized users.
2. If there are two or more gates in a single development, all gates must be operated in the same fashion.
3. All electrical vehicular gates must be provided with a fail-open device (battery backup) to open it during power failures.
4. A Knox dual key activating switch or padlock shall be installed to allow emergency personnel access through vehicular gates.
5. An approved Knox dual key lock box shall be installed to allow emergency personnel access through all pedestrian gates.