

TEHAMA COUNTY FIRE

Commercial Development Information

604 Antelope Blvd
Red Bluff, California 96080

(530) 528-5199 Office
(530) 529-8538 Fax

Name: _____ Address: _____

Permit/Assessors Parcel #: _____ City: _____ State: CA Zip: _____ Phone: _____

GENERAL REQUIREMENTS

Permits. A permit may/shall be required as set forth in CFC Appendix Chapter 1, Sections 105.6 and 105.7.
Construction documents. Construction documents for proposed fire apparatus access, location and hydraulic calculations for fire hydrant systems shall be submitted to the fire department for **review and approval prior to construction.**
Timing of installation. When fire apparatus access roads or a water supply for fire protection is required to be installed, **such protection shall be installed and made serviceable prior to and during the time of construction.**

FIRE PROTECTION WATER SUPPLIES

Required water supply. An approved water supply capable of supplying the required fire flow for fire protection shall be provided to premises upon which facilities, buildings or portions of buildings are hereafter constructed or moved into or within the jurisdiction.
Fire flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined by an approved method or Appendix B.
Water supply test. Water supply tests shall be witnessed by the fire code official.
Inspection, testing and maintenance. Fire hydrant systems shall be subject to periodic tests as required by the fire code official. Fire hydrant systems shall be maintained in an operative condition at all times and shall be repaired where defective.
Private fire service mains and water tanks. Private fire service mains and water tanks shall be periodically inspected, tested and maintained in accordance with Title 19 California Code of Regulations Chapter 5.
Obstruction. Posts, fences, vehicles, growth, trash, storage and other materials or objects shall not be placed or kept near fire hydrants, fire department inlet connections or fire protection system control valves.
Hydrant/Fire Valve. (a) The hydrant or fire valve shall be 18 inches above grade, 8 feet from flammable vegetation, no closer than 4 feet nor farther than 12 feet from a roadway, and in a location where fire apparatus using it will not block the roadway. The hydrant serving any building shall: **(1) be not less than 50 feet nor more than ½ mile by road from the building it is to serve.**
Based on appendix B of the CFC the fire flow requirement for this project shall be _____ GPM for _____ min/hours.

FIRE LANES

Signs. Where required by the fire code official, fire apparatus access roads shall be marked with permanent NO PARKING—FIRE LANE signs. Signs shall have a minimum dimension of 12 inches wide by 18 inches high and have red letters on a white reflective background.

COMMERCIAL AND INDUSTRIAL DEVELOPMENTS

Buildings exceeding three stories or 30 feet in height. Buildings or facilities exceeding 30 feet or three stories in height shall have at least three means of fire apparatus access for each structure.
Buildings exceeding 62,000 square feet in area. Buildings or facilities having a gross building area of more than 62,000 square feet shall be provided with two separate and approved fire apparatus access roads. Exception: Projects having a gross building area of up to 124,000 square feet that have a single approved fire apparatus access road when all buildings are equipped throughout with approved automatic sprinkler systems.

OTHER REQUIREMENTS

Applicants Signature _____ Print Name _____ Date _____

Inspectors Signature _____ Print Name _____ Date _____

GATES

Security gates. The installation of security gates across a fire apparatus access road shall be approved by the fire chief. 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.
Gate Entrances. (a) Gate entrances shall be at least two feet wider than the width of the traffic lane(s) serving that gate.
Fire apparatus access road gates. Gates securing the fire apparatus access roads shall comply with all of the following criteria:
1. The minimum gate width shall be 20 feet.
2. Gates shall be of the swinging or sliding type.
3. Construction of gates shall be of materials that allow manual operation by one person.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.

5. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. **(Click 2 Enter or equivalent).**
6. Manual opening gates shall not be locked with a padlock or chain and padlock unless they are capable of being opened by means of forcible entry tools or when a key box containing the key(s) to the lock is installed at the gate location.
- Locks.** An approved lock shall be installed on gates or similar barriers when required by the fire code official **(Knox Padlock #3770).**

FIRE APPARATUS ACCESS ROADS

Buildings and facilities. Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction.

Specifications. Fire apparatus access roads shall be all weather hard surface not less than 20 feet in width. Such right of way shall be unobstructed and maintained only as access to the public street. California Title 19 Public Safety.

Bridges and elevated surfaces. Where a bridge or an elevated surface is part of a fire apparatus access road, the bridge shall be constructed and maintained in accordance with AASHTO HB-17.

Grade. Fire apparatus access roads shall not exceed 10 percent in grade.

Marking. Where required by the fire code official, approved signs or other approved notices shall be provided for fire apparatus access roads.

Dead End Fire Apparatus Access Roads: Dead-end fire apparatus access roads in excess of 150 feet shall be provided with width and turnaround provisions in accordance with Table D103.4.

CFC TABLE D103.4

REQUIREMENTS FOR DEAD-END FIRE APPARATUS ACCESS ROADS

Length (feet)	Width (feet)	Turnarounds Required
0-150	20	None Required
151-500	20	120-foot Hammerhead, 60-foot "Y" or 96-foot-diameter cul-de-sac
501-750	26	120-foot Hammerhead, 60-foot "Y" or 96-foot-diameter cul-de-sac
Over 750		Special approval required

SIGNING AND BUILDING NUMBERING

Size of letters, Numbers and Symbols for Street, Road Signs, and Addresses. Size of letters, numbers, and symbols for street and road signs shall be a minimum 3 inch letter height, 3/8 inch stroke, **reflectorized**, contrasting with the background color of the sign.

Visibility and Legibility of Street and Road Signs. Street and road signs shall be visible and legible from both directions of travel for a distance of at least 100 feet.

Installation, Location and Visibility of Addresses. (a) All buildings shall have a permanently posted address, which shall be placed at each driveway entrance and visible from both directions of travel along the road. **In all cases, the address shall be posted at the beginning of construction and shall be maintained thereafter.**

KEY BOXES

Where required. Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. **(A Knox Box is required.)**

PORTABLE FIRE EXTINGUISHERS

Where required. In new and existing Group A, B, E, F, H, I, L, M, R-1, R-2, R-2.1, R-3.1, R-4 and S occupancies, and within 30 feet (9144 mm) of commercial cooking equipment.

WEED ABATEMENT/COMBUSTIBLE WASTE MATERIALS

Disposal of Flammable Vegetation and Fuels. Disposal, including chipping, burning or removal to a landfill site of flammable vegetation and fuels caused by site development and construction, and fuel modification shall be completed prior to completion of road construction or final inspection of a building permit.

Waste accumulation prohibited. Combustible waste material creating a fire hazard shall not be allowed to accumulate in buildings or structures or upon premises.

Fire Break. A fire break of at least one-hundred (100) feet wide or to the property line which ever is nearer shall be provided around all structures.

LPG TANKS

LPG Tank Clearance of Combustibles Weeds, grass, brush, trash and other combustible materials shall be kept a minimum of 10 feet from LP-gas tanks or Containers.

Protecting LPG containers from vehicles Where exposed to vehicular damage due to proximity to alleys, driveways or parking areas, LP-gas containers, regulators and piping shall be protected in accordance with CFC Section 312.

VEHICLE IMPACT PROTECTION

General. Vehicle impact protection shall be provided by posts that comply with CFC Section 312.2 or by other approved physical barriers that comply with Section 312.3.

For more information see Tehama County Ordinance (TCO) 1537 Chapter 9.14, TCO 1912 Chapter 9.05, Public Resources Code 4290 & 4291, California Fire Code, California Building Code, and California Residential Code California Title 19 Public Safety.

Tehama County Fire Department's Fire Safe Requirements are posted on our website at <http://www.tehamacountyfire.org/>
 Need a Fire Department inspection? Give us a call at **(530) 528-5199**