



**California Department of Forestry and Fire Protection
Butte County Fire Department
Fire Prevention Bureau**

176 Nelson Avenue, Oroville, CA 95965
(530) 538-7888 Office, (530) 538-2105 Fax

Building Permit # _____ - _____

Fire Flow Requirements for Residential Structures

To confirm compliance with fire safe requirements, the Butte County Fire Department will be performing a review of your building permit for fire flow or fire sprinkler requirements.

Under the authority of the 2007 California Fire Code, the following residential fire flow or fire sprinkler requirements shall be required for all new residential development located within the unincorporated areas of Butte County.

All new residential structures are required to meet the following fire flow or fire sprinkler requirements:

- The minimum fire-flow requirements for one and two family dwellings having a fire-flow calculation area which does not exceed 3,600 square feet shall be 1,000 gallons per minute for a two hour flow duration. The hydrant spacing is 500 feet.**
- The minimum fire-flow requirements for one and two family dwellings having a fire-flow calculation area in excess of 3,600 square feet shall not be less than that specified in Table B105.1.**

Table B105.1 requires _____ gallons per minute fire flow for _____ hour flow duration.

Exception:

- A reduction in required fire flow of 100 percent, as approved by the fire chief (CFC B103.1), is allowed when the building is provided with an approved automatic sprinkler system.**

Fire sprinklers are not required for the following:

- Residential accessory buildings (detached garages, sheds, carports, etc.)
- Temporary residential structures (must have an issued building permit for a permanent dwelling within 6 months).
This does not include temporary second dwellings (Aunt Minnie's).

Sprinkler installation shall be in accordance with the 2002 National Fire Protection Association (NFPA) 13D, standard for the installation of sprinkler systems in one and two family dwellings and manufactured homes and 2007 California Fire Code Chapter 9. Applicants are required to consult with a California State Contractors Licensing Board C-16 certified contractor or a California State Fire Marshal certified Automatic Systems "A" licensed contractor for sprinkler system engineering, design, calculations and installation (see the yellow pages under Sprinklers, Automatic Fire).

A separate building permit from the Butte County Development Services Department-Building Division for the fire sprinkler system will be required to be submitted and approved prior to the issuance of the permit for the residence.

NOTE: Fire flows shall come from a pressurized water system. A pressurized water system is defined as any public, mutual locally formed or private water system jurisdiction having water capable of adequately supplying fire hydrants. Use of a private water system for fire protection purposes will require one of the following acceptable entities to maintain the system: 1) formation of a Mutual Water Company, 2) formation of a new County Service Area, or 3) annexation into an existing County Service Area. (2002 Butte County Improvement Standards).

All of the Fire Safe Requirements are posted on the Butte County Fire Department website at

<http://buttefire.org/Fireprevention/protplan/protplan.html>

Check the status of your permit online at

http://dspermits.buttecounty.net/etrakit/Permit_Search.asp

Need a fire department inspection? Call our inspection line. (530) 538-6226