



CLARK COUNTY FIRE DEPARTMENT
Fire Hazard & Prevention Services
575 E. Flamingo Road, Ls Vegas, NV 89119
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105.8.f.3-1

- TITLE:** SINGLE FAMILY RESIDENCE - ADDITIONS
- SCOPE:** Single-family residences with additions being added shall comply with this guideline and 2005 Clark County Fire code.
- PURPOSE:** To provide standardized requirements to address fire flow deficiencies and the possible need for fire sprinklers for single-family residence additions.

SPECIFICATIONS AND REQUIREMENTS

At the time of permit application, three (3) sets of plans, drawn to an indicated scale (1/4" or 1/8" scale preferred), must be submitted for review and approval. Permit fees for this type of submittal vary. The standard permit fee is due upon submittal. Please see the Clark County Fire Department Permit and Service Fee Schedule for specific information. Please check our website for plan status. Any additional fees will be indicated on the website. Once the plans have been approved and any outstanding fees have been paid, an inspection can be scheduled.

Our website is <http://www.accessclarkcounty.com/fire/firedept.htm> . To check on plan status, click on the "Plan Status" button and follow the instructions. To schedule an inspection, click on "Services" in the teal strip on the top. On the left side under **Inspection** click on "Fire Inspection" and follow the instructions.

An addition to any existing non-sprinklered building or structure which expands the total area to 10,000 square feet or greater must be sprinklered. Conformance to this is not required where the area of the addition does not exceed 25% of the original area at time of construction and the area of the addition does not exceed 10,000 square feet.

If your home is 10,000 square feet or less and the required numbers of public fire hydrants are within 500 feet of each other and within 500 feet of your home, then the following steps must be performed to eliminate the need of having a fire sprinkler system installed:

1. Go to Las Vegas Valley Water District, at 1001 S. Valley View. Ask for the Engineering Services Division. LVVWD has a form for this purpose.
2. At the Engineering Department, provide the APN number (parcel number) and ask for a GIS map of your parcel that indicates the nearest fire hydrant(s).

3. If an adequate number of fire hydrants are within 500 feet of your home and each other, as measured along public roadways, then ask the Engineer if the hydrants can meet the minimum required fire flow. Please see the table below for an excerpt from the Fire Code indicating the required fire flow for typical residential buildings. Also, please note that if the required fire flow exceeds 1,500 gpm, then a minimum of two fire hydrants are required within 500 feet of the house.
4. If yes, then ask for a letter from the Engineer stating that the minimum required fire flow can be met.
5. Return to Clark County Fire Department Plans Check with the GIS map, the letter from the water district and plans for home indicating the total square footage of the home. As long as the minimum fire flow for the home is met, the Plans Checker will stamp and sign the plans, the Water District letter and the GIS map for the home.
6. Take the stamp/signed copies to the Building Department in order to continue with the construction of the home.

Type V-B (IBC) Square Feet	Fire Flow without Sprinklers GPM	Fire Flow with Sprinklers GPM
0-3,600	1,500	1,500
3,601-4,800	1,750	1,500
4,801-6,200	2,000	1,500
6,201-7,700	2,250	1,500
7,701-9,400	2,500	1,500
9,401-9,999	2,750	1,500
10,000-11,300	N/A-Sprinklers Req'd	1,500
11,301-13,400	N/A-Sprinklers Req'd	1,500
13,401-15,600	N/A-Sprinklers Req'd	1,625
15,601-18,000	N/A-Sprinklers Req'd	1,750
18,001-20,600	N/A-Sprinklers Req'd	1,875