



Clark County Fire Prevention

Mission Statement: "To provide the highest level of fire protection and related services"

105.8.f.2-8

TITLE: AUTOMATIC FIRE EXTINGUISHING SYSTEMS

SCOPE: Automatic fire extinguishing systems shall be installed and permitted in accordance with this guide and the requirements contained in the 2005 Clark County Fire Code, National Fire Protection Association (NFPA) 17A and current manufacturer specifications.

PURPOSE: To provide standardized Fire Department requirements relating to the installation of automatic fire extinguishing systems.

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) and legible, 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.

Additionally, approval of mechanical and electrical systems associated with the hood and duct for the kitchen system must be obtained from the Clark County Building Department. The Clark County Building Department will not release these permits until you have obtained Clark County Fire Department approval.

Three (3) submittal packages are required to be submitted to the Clark County Fire Department Planscheck Division. Submittal packages must contain the following:

- 1) Nevada State Fire Marshal license number (NFPA 17A 1-3).
- 2) Pre-engineered systems must provide specific listing of a recognized testing laboratory (NFPA 17A 1-5).
- 3) Page number of components from manufacturer's manual, including date of manual (NFPA 17A 2-1).
- 4) Fusible links must be listed (NFPA 17A 2-2.1)
- 5) All manual pulls must be identified as to the hazard they protect (NFPA 17A 2-4.2.3).
- 6) Provide location of all fuel shut-off devices (NFPA 17A 2-4.3.1).
- 7) Wet chemical systems shall comply with standard UL300 (NFPA 17A 3-1.1).
- 8) Plans shall indicate connection to the fire alarm system, if applicable (NFPA 17A 3-2.1.5).
- 9) Floor plan indicating location of manual pull in path of egress no more than 4 feet nor less

- than 3 feet from floor (NFPA 17A 3-2.1.6).
- 10) Indicate location of chemical cylinders and expellant assemblies (NFPA 17A 3-4.2).
 - 11) Location (horizontal and vertical) of fusible links (one for each appliance and duct) and indicate temperature rating (NFPA 17A 3-6.1.2).
 - 12) Listing of all devices used to seal penetrations in hood or duct (NFPA 17A 3-6.1.3).
 - 13) Designate the Authority Having Jurisdiction (NFPA 17A 4-1(a)).
 - 14) State that installation conforms to NFPA 17A, Clark County Fire Department, Nevada State Fire Marshal Regulations (NFPA 17A 4-1(b)).
 - 15) Indicate that only equipment that is referenced in the manufacturer's listed installation and maintenance manual shall be used (NFPA 17A 4-1(c)).
 - 16) Indicate hazard to be protected including type and dimensions of each appliance (NFPA 17A 4-1(e)).
 - 17) Plans shall be drawn to an indicated scale or be suitable dimensioned (NFPA 17A 4-2.1).
 - 18) Include the size, length, and arrangement of connected piping and the description and location of nozzles (NFPA 17A 4-2.3).

Where changes in the field are substantially different from the approved plans, as-built plans shall be submitted to the AHJ for approval. (NFPA 17A 4-2.5).

The installer shall certify that the system has been installed in accordance with the approved plans and the manufacturer's listed installation and maintenance manual (NFPA 17A 4-3.1).