

## **FIRE PROTECTION SYSTEMS AND EQUIPMENT**

All Occupancies 2010 California Fire Code

### **Fire Sprinkler Systems**

A visual inspection of the following items shall be conducted:

**Back-flow-preventer-valve;** inspect for access, excessive leaks, chain and lock, sign with building address, cover for tamper and flow switches. **F901.6**

**Fire sprinkler bell;** inspect for sign, damage, corrosion, obstructions. **F901.6**

**FDC;** inspect for access, caps, gasket inside connections, connections must swivel freely, sign with building address if unable to identify what building it supplies. **F901.6**

**PIV;** inspect for access, readable site glass, site glass missing, cover for tamper switch, lock, sign with building address or area it controls. **F901.6**

**Riser;** inspect for access, five year cert tag (**F901.6.2**), pressure gage, cover for flow and tamper switches, sign for control valves; specifically what they control. **F901.6**

**Sprinkler coverage;** spot check for coverage at random rooms or suites for painted, corroded, or obstructed sprinkler heads. **F901.6**

**Sprinkler piping;** spot check at random for damage, leaking, corrosion, cables and wiring not allowed on piping. **F901.6**

**Standpipes;** inspect for five year cert tag (**F901.6.2**), all outlets for caps, damage, corrosion, obstructions, signs for control valves; specifically what they control. **F901.6**

**Combination systems (standpipe and sprinklers)** inspect for same as above plus signs on control valves; specifically when there are more than one control valve that shuts off water to that individual floor. **F901.6**

**Fire pump;** inspect for sign outside of fire pump room (**FIRE PUMP**), fire pump controller and or fire panel for **GREEN** light system ok, **YELLOW** light for system in trouble, excessive leaks and corrosion, damage, signs for control valves; specifically what they control. **F901.6**

**Fire alarm panel for monitoring sprinkler systems;** inspect for sign on outside of room on door or wall (**FCAP or FIRE ALARM, F509.1**), **GREEN** light for system ok, **YELLOW** light for system in trouble, date of installation of batteries (**replace every five years**), instructions on resetting fire alarm panel (**F907.8.3**), location of circuit breaker written inside panel, lock-out for fire alarm circuit breaker and fire alarm bell. **F901.6**

**Documentation;** Five year cert report and regular maintenance reports shall be kept on-site for review by inspecting agency. **F901.6.1**

**All fire protection equipment; access required F509.2**

**Systems out of service; evacuate building or post fire watch F901.7**

## Fire Alarm Systems

A visual inspection of the following items shall be conducted:

**Fire alarm panel:** sign outside of room on door or wall **F509.1**

**GREEN** light: system ok

**YELLOW** light: system in trouble **F907.9.5**

Provide operating, testing, maintenance instructions, equipment specifications and record drawings (as-builts) **F907.8.3**

Location of circuit breaker written on panel, lock-out for fire alarm circuit breaker. **F907.9.1.**

Construction Permit needed; installation or modification. **F105.7.5**

Panel back-up batteries with date of manufacture (5 years or less), circuit breaker location **907.7.2**

Written records of testing and maintenance kept on-site for review by inspecting agency. **F907.9.5**

## Clean Agent Systems

A visual inspection of the following items shall be conducted:

**Fire alarm panel;** same as for a regular fire alarm panel inspection. **F907.9.1**

**Warning signs;** visible & readable located outside and inside protected room. **F904.3.4**

**Smoke detectors;** inspect for damage or obstructions. **F907.2.6.2.1**

**Discharge nozzles;** inspect for damage or obstructions. **F904.10**

**Agent tanks;** inspect for access, damage, corrosion, hoses connected to tanks. **F904.10**

**Documentation;** annual inspection report or other service records shall be kept on-site for review by the inspecting agency. **F904.10.1**

## Kitchen Hood Systems

A visual inspection of the following items shall be conducted:

**6 month inspection/service tag;** inspect for current tag. **F904.11.6.4**

**Pull station;** accessible, and visible (not required for sprinkler systems). **F901.6.1**

**Discharge nozzles;** inspect for proper coverage, covers and excess grease. **F904. 11.6**

**Hood filters;** inspect for excessive grease. **F904.11.6.3**

**Fusible link and sprinkler heads;** inspect for excessive grease, missing, paint. **F904.11.6** must be replaced annually (except frangible bulbs). **F904.11.6.5**

**Agent bottles;** nitrogen expellant bottle connected properly. **F904.11.6**

**K fire extinguisher,** inspect for annual service tag, within 30 feet. **F904.11.5.2**

**Documentation;** semi-annual inspection report and other service records shall be kept on-site for review by the inspecting agency. **F904.11.6.4**  
**A 16 inch clear space or a steel or glass tempered plate** at least **8 inches** in height shall be located between the fryer and the surface flames of the adjacent appliance (stove). **F901.6.1; NFPA 96, Sec 12.1.2.4 and 12.1.2.5**  
Clean grease in hood area. **F609.1**