



## MILPITAS FIRE DEPARTMENT

### *FIRE PREVENTION DIVISION*

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## **FIXED EXTINGUISHING SYSTEMS (HOOD SYSTEM)**

### **REQUIRED INSPECTIONS**

1. System function test.
2. Fire Alarm test if applicable.

### **FILE REVIEW**

#### **General**

1. Approved plans and permit on site.
2. Plans match appliance layout, system manufacturer model and size.
3. System complies with UL 300 Standard.
4. Gas and electric supplies are hooked up and activated.
5. If required for evacuation of a building/premises, fire alarm is linked to the suppression system.

### **FIELD INSPECTION**

#### **General**

1. Verify suppression system installation is consistent with approved plans.
2. Verify nozzle locations match what is depicted on approved plans.
3. Verify all appliances are protected with approved nozzles.
4. Verify the kitchen hood must extend at least 6" from all appliances.
5. Verify a 9" splash guard or a 16" separation must be present on a fryer if it sits next to an open flamed, gas-fired appliance.
6. Verify balloons are in place on all nozzles (plenum, duct shaft, and over all appliances).

7. Industry Standard - Verify Inert (nitrogen or CO2) gas supply hooked up to system for test.
8. Verify system functionality by both manual pull station, and a test link located in the plenum chamber.
9. Verify system actuate immediately upon the pull station activation or cutting the test link.
10. Verify gas appliances shut off.
11. Verify electrical equipment shut off. The exhaust fan shall continue to operate.
12. Verify the building fire alarm system activate (if required).
13. Manufacture Standard Method - Verify balloons inflated properly (depending upon flow points) to show correct nozzle flow.
14. Verify system by second means of activation. Pull station or Test Link.
15. Verify all penetrations of the hood are protected by UL approved grease-seals.
16. Industry Standard - Verify all pipe threads are Teflon-taped per manufacture listing or industry standard.
17. Verify nozzles are correct for appliances and aimed correctly.
18. Verify Class K fire extinguisher is mounted, tagged and sealed.
19. Post required signage for Class K extinguisher.
20. Verify nozzle caps have been installed after acceptance test.
21. Verify system has been tagged with proper State Fire Marshal's certification tag.
22. Verify Owner's Manual left with owner.