

Lafayette Fire Department

Commercial Kitchen Fire Suppression Worksheet

This **Commercial Kitchen Automatic Fire Suppression Worksheet** has been created to assure all documentation has been submitted to assist you in assuring proper plans and documentations has been submitted and reviewed by Lafayette Fire Inspectors in an orderly manner to help streamline your project. Although this form is not required to be submitted for review, it can be submitted along with the permit application. Please contact us with any questions. LFD-FirePrevention@lafayette.in.gov or (765) 807-1600.

Project In	formation
Business Name:	
Address:	
Phone Number:	Email:
New or Existing Restaurant:	New or Existing Hood:
Owner/Occupant:	
Printed Name:	Signature:
Address:	
Phone Number:	Email:
System Designer:	
Printed Name:	Signature:
Address:	
Phone Number:	Email:
System Installer:	
Printed Name:	Signature:
Address:	
Phone Number:	Email:

	Design Requirements			
	1. Has a Construction Design Release (CDR) from the State of Indiana been issued for			
Yes No N/A	your project? A CDR is required for a new Class 1 Structure or the remodel of a Class 1			
	Structure per <i>675 IAC 12-6-3</i> and <i>12-6-4</i> .			
DVas DNa DN/A	2. Is the system designed to meet NFPA 17A Standard-2002 Edition (Wet Chemical			
Yes No N/A	Extinguishing Systems- UL 300)?			
	3. Documentation provided by manufacturer included in application or on file that			
Yes No N/A	certifies designer has acquired instruction necessary to safely design Pre-Engineered			
	Wet Chemical Systems (NFPA 17A)?			
	4. You have submitted your plans to the City of Lafayette Engineer's Office; this will			
Yes No N/A	include the Lafayette Fire Department, for a local building permit. (10 Business Days			
	review period)			
	Drawings (All of the following indicated)			
Yes No	5. Type and location of appliances			
Yes No	6. Means to ensure appliances correctly positioned			
	7. Fuel type: Gas Electric			
Yes No	8. Fuel Gas piping size and location			
Yes No	9. Location of fuel shut off devices (Mechanical / Electric gas valves)			
Yes No	10. Location of actuation control box			
Yes No	11. Chemical container location			
Yes No	12. Nozzle location and piping (all supply and branch piping indicated))			
Yes No	13. Nozzle flow points and total system flow points identified			
Yes No	14. Automatic Detection system (detector locations indicated)			
Yes No	15. Quantity and temperature of all fusible links identified			
Yes No	16. Manual pull station location(s)			
Yes No	17. Plenum and duct size(s) indicated			
	System Information			
18. Manufacturer of system t	to be installed:			
19. Model Number of system				
20. Chemical Agent size (gallo	ons):			
□ Vos □ No □ N/A	21. Custom shall be designed in accordance with manufacturar's instructions?			
Yes No N/A	21. System shall be designed in accordance with manufacturer's instructions?22. Designed on the basis of the flow and extinguishing characteristics of the chemical			
Yes No N/A	agent?			
Yes No N/A	23. Nozzles shall be placed in accordance with manufacturer's instructions?			
System Installation				
	24. Documentation provided by manufacturer included in application or on file that			
☐ Yes ☐ No ☐ N/A	certifies installer has acquired instruction necessary to safely install Pre-Engineered			
	Wet Chemical Systems (NFPA 17A)?			
Yes No N/A	25. Is this suppression system pre-owned or "used"?			
Yes No N/A	26. Agent container shall be readily accessible for inspection			
Yes No N/A	27. Agent container location not more than 8 feet above floor			
	System Actuation provided with:			
Yes No N/A	28. Both Automatic and Manual activation?			
	29. Both Automatic and Manual activation:			
Yes No N/A	applicable)			
	- rr			

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	Automatic Activation
	At least one (1) fusible link or heat detector shall be installed:
Yes No N/A	30. Within 12 inches of the exhaust duct opening?
Yes No N/A	31. At each branch "duct-to common duct" opening?
	Manual Activation
(Manual null station n	rovided in accordance with mfg. instruction, for each individual system, and to be located at or near
(Wariati pair station pr	egress from the cooking area)
	32. Minimum of 10 feet and a maximum of 20 feet from the kitchen exhaust system and
☐ Yes ☐ No ☐ N/A	not less than 42 inches or more than 48 inches above the floor?
Yes No N/A	33. Provided with signage that clearly identifies system, (zone) coverage?
Yes No N/A	34. Shall require a maximum force of 40 lbs?
Yes No N/A	35. Shall require a maximum movement of 14 inches (or per mfg. instructions)?
	"Automatic" Shutoff Devices
	36. All sources of fuel and electric power that produces heat to appliances under the hood
☐ Yes ☐ No ☐ N/A	shall shut down upon activation of suppression system?
Yes No N/A	37. Makeup Air and/or Return Air shall shut down upon activation of suppression system?
	38. Hood System Exhaust Air shall NOT shut down upon activation of suppression system,
☐ Yes ☐ No ☐ N/A	and must remain operational?
	Portable Fire Extinguishers provided:
Yes No N/A	39. Class K "portable" fire extinguisher(s) for wet chemical systems
	40. Portable Extinguisher "placard" or sign must be placed near the extinguisher that
☐ Yes ☐ No ☐ N/A	states the "automatic fire extinguishing system shall be activated prior to using the
	portable fire extinguisher".
	INFORMATION
	Required Inspections
Pre Drywall	
a. Kitchen Duct "light"	test" & "Duct Access Panels" with fire department.
b. 1 st Layer of "Duct W	/rap" to meet clearance to combustibles.
c. 2 nd Layer of "Duct V	Vrap" to meet clearance to combustibles. (Note: this can be performed as a portion of the
actual Above Ceiling	g Inspection)
	Final Inspection Scheduling Process
You must have all Fire S	ystems Final Inspections (i.e., Sprinkler, Fire Alarm, Kitchen Hood) completed prior to
scheduling Final Buildin	g Inspection.
	Kitchen Hood Suppression Final Inspection
Have verified and subm	itted Pre-Inspection Kitchen Hood Suppression Acceptance Test documentation to fire
department, before sch	eduling actual Fire Suppression System Final
Kitchen Hood Suppressi	on Systems that interface with the Fire Alarm System must have a qualified fire alarm system
installer present during	Hood Fire Suppression Final.
Kitchen Suppression Sys	stems that interface with the Buildings HVAC System must have a qualified mechanical
system installer present	during Hood Suppression Final.
	Fire Suppression System Final Inspection
Have verified and subm	itted Pre-Inspection Commercial Kitchen Fire Suppression System Final Acceptance Test
documentation to fire of	lepartment, before scheduling actual System Final Inspection.

Owner or General	Contractor	
(Printed Name)		
(Signature)		
(Date)		
(Company Name)		
(Email and Phone C	st be provided with a detailed written narrative below:	
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This example illustrates the minimum information required for plan submittal for a Type I hood fire suppression system.

