



DEKALB COUNTY FIRE RESCUE DEPARTMENT
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Phone: 404-371-2776 Fax: 404-687-2430



COMMERCIAL KITCHEN SUPPRESSION SYSTEM **SUBMITTAL REQUIREMENTS**

PROJECT NAME: _____ PLAN REVIEW NO: _____
ADDRESS: _____ DATE: _____ (L/B#: _____)

TO AVOID NEEDLESS DELAYS IN THE PLAN REVIEW PROCESS, PLEASE VERIFY EACH OF THE FOLLOWING IS INCLUDED WITH YOUR SUBMITTAL/RE-SUBMITTAL PACKAGE:

- A. Please submit a completed HVAC permit application.**
- B. Three legible stapled sets of initial submittal or revised re-submittal drawings.**
1. Drawn to $\frac{1}{8}$ " or $\frac{1}{4}$ " to 1' or as verifiable on a conventional architect's scale, and indicating on plan the square footage for the scope of work.
 2. Complying with applicable provisions of **EACH** of the following, per 2004 NFPA #96: 10-2.6
 - a. 2013 NFPA #17A* (Standard for Wet Chemical Extinguishing Systems).
 - b. 2011 NFPA #96* (Control & Protection of Commercial Cooking Operations).
 - c. 2012 NFPA #101* (Life Safety Code).
 - d. 2010 Georgia Accessibility Code (GAC 120-3-20).
 - e. 2012 International Fire Code*
 - f. System manufacturer's () installation and maintenance specifications.
[* As modified by the State of Georgia GSFC or GDCA]
 3. **Incorporate a legend which:**
 - a. Identifies by distinct symbols, manufacturer's name and model number, the quantity and location of each device comprising the proposed suppression system.
 - b. Distinguishes between all new, relocated and/or existing appliances to be protected by this system
 4. **Providing a layout of the kitchen cooking areas, showing locations of all:**
 - a. The labeled cooking appliance(s), fusible links, nozzles and fuel shut-off devices.
 - b. Exit(s), portable fire extinguisher(s), and manual activation devices.
 - c. Hood(s), exhaust duct(s), dimensions and a front-to-back cross section diagram of the plenum area to permit further evolution of protection proposed (per 2012 IFC Sect. 901.2).
 - d. Sized piping, agent storage container(s). [Per 2011 NFPA #96 10-9.1]
- C. Contractors name, signature, State Permit Number, and copy of Contractor's and System manufacturer's installation certification, per 2012 I.F.C., Para 901.2.1 & OCGA T1.25-2-13d**

D. Include the following on “Job Site”/“Revised” Re-submittal Plan:

1. Pull station located no >20’ nor <10’ from protection hood, en-route to acceptable exit, per 2012 IFC, 904-11.1
2. **Class K** portable fire extinguisher for cooking equipment involving vegetable and/or animal oils, in lieu of **Class B** gas-type or other non-compatible portable extinguishers shall be:
 - a. Permanently mounted with top of unit n >48” A.F.F., per 2012 IFC, 904-11.5.
 - b. Located <30’ from protected equipment, per 2010 GAC 120-3-20-.38(3).
3. A statement of intention to provide a placard identifying the use of the above mentioned portable fire extinguisher as a secondary back-up means to the kitchen suppression system, conspicuously placing the placards near EACH portable fire extinguisher in the cooking area, per 2011 NFPA #96:10-2.2.
4. Either a minimum 16” (406mm) separation, or a minimum 8” high steel or tempered glass plate, between fryer and surface flames of adjacent equipment, per 2011 NFPA #96: 12-1.2.4 and 12-1.2.5.
5. A minimum 6” overlap of hood beyond open sides of appliance bank, per 2012 I.M.C. Sect. 504.2(1), in lieu of providing architect, engineer, or hood manufacture testing and certification documentation to this office.
6. Reconciliation of details shown on plan (Sheet _____) with those in manufacturer’s installation manual (Page _____, Section _____), per 2012 IFC Sect. 904.11.
7. Fusible link/detector protection per Installation Manual, page _____, per 2012 IFC Sect. 904.11.
8. All fire rated wall and floor penetrations must comply with ASTM E-814, per 2012 NFPA #101: 6-2.3.2.4.2.
9. The addition of obstructions to spray patterns from the cooking appliance nozzles such as baffle plates, shelves, or any modifications shall not be permitted. 2011 NFPA #96-10.2.7.3

E. Miscellaneous: Provide or verify EACH of the following:

► Provide, on job site, at time of appointment for final inspection sign-off, in lieu of rescheduling sign-off for a time when ALL items are available for fire inspector’s review & approval, for return to FMO files.

For questions or clarifications regarding these requirements, please contact the DCFR Fire Marshal’s Office at (404) 371-6208 weekdays between 9:00 p.m. and 3:00 p.m.

Call (404) 371-3010 for DeKalb County permits to schedule Fire Inspector Verification of Acceptable Life Safety/Accessibility conditions per 2012 IFC Sect. 901.5.