

KITCHEN HOOD SYSTEM

Royse City Fire Department - Fire Marshal's Office
305 N Arch St. • Royse City, TX 75189 • Phone: 972.524.4819
Website: <http://www.roysecity.com/departments/fire/>
Email: rcfd@roysecity.com

These guidelines are to be followed when a commercial hood system within the City of Royse City is to be installed or modified. These guidelines are not to be interpreted as containing all data required for proper design, installation, or approval.

All commercial hood systems shall conform to the 2018 International Fire Code, as adopted and amended by the City of Royse City, 2009 International Mechanical Code as adopted and amended by the City of Royse City, and current edition of NFPA 17/17 A and 96. These guidelines are not intended to replace, nor supersede any codes and/or ordinances adopted by the City of Royse City, or determinations and positions of the Royse City Fire Marshal's Office.

Kitchen Equipment

- ❖ Appliances shall be located inside the hood by a minimum of 6 inches.
- ❖ A chain shorter than the gas line shall be attached to the wall and appliances.
- ❖ A quick connect fitting shall be correctly installed with the flow of gas (check arrows).
- ❖ All kitchen equipment required to be below Type 1 vent hood shall have a means to ensure that the appliance is returned to its exact position after cleaning or being moved to ensure proper fire protection nozzle coverage. (Example: caster channels or floor locks provided on each)

Hood system

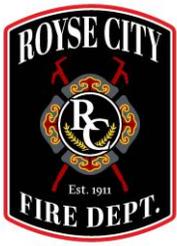
- ❖ The manual release device shall be located 42-48 inches above the floor, and in the path of egress 10 - 20 feet from the kitchen exhaust system.
- ❖ Where multiple manual release devices are installed for protection, both the hood and the manual activation device shall be labeled. (Example: Hood 1)
- ❖ Type I hood systems shall be designed and installed to automatically activate the exhaust fan whenever cooking operations occur. The activation of the exhaust fan shall occur through an interlock with the cooking appliances, by means of heat sensors or by means of other approved methods.
- ❖ Audible and/or visual alarm shall be provided to indicate system operation where the system is not monitored by a fire alarm system or sprinkler monitoring system.
- ❖ The fire suppression system shall be interconnected to the building fire alarm system or sprinkler monitoring system where provided.
- ❖ When a building fire alarm system or sprinkler monitoring system is provided, the activation of the fire suppression system shall be reported with Contact ID.

Fire Extinguisher Requirements

- ❖ A Type K fire extinguisher shall be installed within 10 - 30 feet from the commercial food heat producing equipment, as measured along an unobstructed path of travel.
- ❖ A placard shall be conspicuously placed near the extinguisher that states that the fire protection system shall be activated prior to using the fire extinguisher.

Failure to comply with guidelines and submittal requirements may result in additional fees

Updated: 12/2022



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Submittal Requirements

- ❖ Plans shall be clear and legible and all sheets shall be in a common and appropriate scale (preferably computer generated). A stamped set of plans and one (1) set of specifications/cut sheets shall be submitted electronically. Plans shall contain sufficient detail to enable the plan reviewer to accomplish a complete review. **Plans that do not conform to the submittal requirements and/or are not clearly legible will be rejected and require a re-submittal**
- ❖ **Each submittal shall have a:**
 - Royse City Fire Marshal's Office Permit Application
 - A copy of the applicable State of Texas Fire Extinguisher license is required for the designing contractor, Type PL, A, or K.
 - A copy of State of Texas Fire Extinguisher ECR license is required for the installing company
- ❖ **The following information shall be provided on the plans:**
 - Title block that contains the following:
 - Business name and address of installation
 - Installing company's name, address, and phone number
 - Licensing information
 - Date Drawn / Drawn by
 - Indicate compliance with UL 300 and NFPA 17 / 17 A
 - Scale or suitable dimensions
 - Hood dimensions including duct perimeter
 - Appliance dimensions and description
 - Piping schematic
 - Nozzle type and location
 - Location and temperature of the fusible links
 - System flow point capability
 - System flow points used
 - Interconnection to the building fire alarm system or sprinkler monitoring system
 - Interconnection to the fuel shut-off
- ❖ **A minimum of one (1) set of specifications shall be provided that include the following:**
 - Scope of Work
 - Equipment List
 - Equipment specification sheet

Inspection Requirements

- ❖ Acceptance test with the Royse City Fire Marshal's Office is required upon completion of the system.
- ❖ The kitchen hood acceptance test report should be used to conduct a pre-test prior to scheduling an inspection with the Royse City Fire Marshal's Office.

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