



## GREASE HOOD/DUCT SYSTEM REQUIREMENTS

Grease Hood/Duct Systems for the "REMOVAL OF SMOKE AND GREASE-LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT" shall not be installed prior to review by the City of Midlothian Building and Fire Departments for code compliance. The following information shall be submitted in order to obtain a permit:

1. FLOOR PLAN, drawn to scale (1/4"= 1'-0" or larger) showing hood/duct configuration (dimensional) and proposed location. Note: Each type of cooking equipment shall be specified and indicated by dashed lines on the plan drawing.
2. CROSS-SECTIONAL END VIEW of hood/duct system, drawn to scale (1/2"= 1'-0" or larger) which shows:
  - a. Hood size. (end dimensions)
  - b. Hood construction. Indicate material and gauge thickness.
  - c. Duct size. Indicate diameter of round ducts or dimensions (both ways) for square or rectangular ducts.
  - d. Duct construction. Indicate material and gauge thickness and clearances.
  - e. Distance between lowest edge of grease filter and cooking or heating surface of equipment.
  - f. Distance from bottom edge of canopy-type hood to finished floor below.
  - g. How hood will be supported. Indicate type and size of materials.
  - h. Method of connection between duct and hood assembly.
  - i. Type of grease removal devices (e.g., filter or listed extractor).
  - J. Termination of duct to include dimensioned clearances from the outlet to adjacent buildings, property lines, air intakes and adjoining grade levels.
  - k. Detail of roof curbs or wall openings.
  - l. Type of exhaust fan to include: horsepower, static pressure, CFM, voltage, phase and amperage.
3. Complete specifications for FIRE EXTINGUISHING EQUIPMENT to include manufacturer's catalog data.
4. COPY of detailed calculations used to determine size of exhaust fan and ductwork. Specify source of design criteria. NOTE: Grease hood/duct systems designed and certified by a licensed architect or professional engineer may be shown on the construction drawings in lieu of providing separate data indicated above. Grease hood/duct systems shall be designed and installed in accordance with the current International Mechanical Code.

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