APPLICATION FOR MECHANICAL PERMIT
Commercial Cooking Hood

City of Warren Building Code Department
318 West Third Avenue - Warren, PA 16365
Phone (814)723-6300 - Fax (814) 723-3242
www.cityofwarrenpa.gov

PROPERTY INFORMATION

Address: _____ City, Borough or Township: _____
(Please Circle)

OWNER: _____ Phone: _____

Mailing Address: _____ Cell: _____

City: _____ State: _____ Zip: _____ Email: _____

ARCHITECT/ENGINEER: _____ Phone: _____

Contact Name: _____ Fax: _____

Mailing Address: _____ Cell: _____

City: _____ State: _____ Zip: _____ Email: _____

PA License #: _____

CONTRACTOR: _____ Phone: _____

Contact Name: _____ Fax: _____

Mailing Address: _____ Cell: _____

City: _____ State: _____ Zip: _____ Email: _____

HOOD INFORMATION

Hood Type: ☐ Type I ☐ Type II Length: _____ Height: _____

Hood Material: _____ Gage (thickness): _____

Clearance to combustible framing members: _____ Mounting height: _____

Does any portion of the hood penetrate a ceiling, wall or furred space? ☐ Yes ☐ No

Distance between the lowest edge of grease filters and cooking surface: _____

Distance hood overhangs cooking surface: Front: _____ Rear: _____ Left: _____ Right: _____

Vertical distance between lip of hood and cooking surface: _____

Calculate the required minimum amount of air exhausted using one of the formulas below.

Q = 100PD, for high-temperature appliances or 50PD, for medium of low-temperature.
D = Distance in feet between the lower lip of the hood and cooking surface.
P = That part of the perimeter of the hood that is open, in feet.

Perimeter: _____ X **D**istance: _____ X **Q**uantity: 50 or 100 = _____ **cfm**

HOOD INFORMATION (Continued)

Quantity of makeup air from outdoors: _____ cfm. Temperature of makeup air: _____ °F

Type of suppression system: _____

Distance of manual pull from cooking hood: _____ feet Height of pull: _____ feet

Does activation of the suppression system shut down the gas and electric under the hood: ☐ Yes ☐ No

EXHAUST DUCT INFORMATION

Duct material: _____ Gage: _____ Type of joints: _____

Rectangular dimensions: _____ inches X _____ inches Round diameter: _____ inches

Total length of duct between hood and exhaust: _____ feet Vertical: _____ feet Horizontal: _____ feet

Slope of horizontal sections: _____ inch per foot or _____ % slope

Duct systems clearance to combustible construction (including gypsum wallboard) _____ inches.

Number of cleanouts: _____ Size: _____ inches X _____ inches. Spacing: _____ feet

Show calculated air velocity within the duct enclosure using the formula below:

CFM: _____/Duct Area: _____ Sq. Ft. = Velocity: _____ fpm

Does the duct penetrate a ceiling, wall or floor? ☐ Yes ☐ No: If yes, check the method of enclosure used below:

☐ A 2-hour rated shaft ☐ A listed through-penetration fire stop system

Location of the exhaust fan: ☐ Rooftop ☐ Exterior Wall Exhaust capacity: _____ cfm.

For roof exhaust systems: Parapet walls, not higher than fan discharge: _____ feet

Clearance above roof surface: _____ inches Distance to roof's edge: _____ feet

For all exhaust terminations: Distance to any air intake opening: _____ feet

Distance to lot line: _____ feet Distance to other buildings: _____ feet

For exterior wall terminations: Height above finished grade: _____ feet

How is the exhaust fan interlocked with fuel fired appliances, so as to prevent their operation, unless the fan is running ?

The applicant certifies that all information on this application is correct and that the work will be completed in accordance with the "approved" construction documents and PA Act 45 (Uniform Construction Code) and any additional approved building code requirements. The property owner and applicant assumes the responsibility of locating all property lines, setback lines, easements, rights-of-way, flood areas, etc. Issuance of a permit and approval of construction documents shall not be construed as authority to violate, cancel or set aside any provisions of the codes or ordinances of the local governing body. The applicant certifies he/she understands all the applicable codes, ordinances and regulations. The applicant certifies he/she will contact the Building Code Department to schedule all required inspections prior to covering and permit inspection personnel to enter areas covered by such permit at reasonable times to enforce the provisions of the code(s) applicable to such permit. This permit becomes null and void if the work authorized is not commenced within 180 days of the date of issuance, or if the work is abandoned or suspended for a period of 180 days. **CALL PA ONE CALL AT (800) 242-1776 BEFORE YOU DIG… IT'S THE LAW!**

Applicant Signature: _____ Date: _____

******* A 24 HOUR ADVANCED NOTICE IS REQUIRED WHEN SCHEDULING AN INSPECTION *******

OFFICE USE ONLY - THIS IS YOUR RECEIPT FOR PAYMENT

Permit Approved? ☐ Yes ☐ No By: _____ Date: _____

Permit Fee: $ _____ Payment Type: ☐ Cash ☐ Check Permit No: _____

COMMERCIAL COOKING HOOD REQUIREMENTS

The following information is provided for contractors wishing to obtain a permit for the installation of commercial cooking hoods and exhaust systems. It is important to remember that these permits are issued for an entire system (exhaust hood, exhaust ducts, exhaust fans, suppression system and make-up air equipment) not individual components. A commercial cooking hood permit must be issued by the Building Code Official prior to the start of any such work.

Please note the following requirements prior to submitting the application and drawings to the City of Warren Building Code Department for review and approval:

- A commercial cooking hood permit application must be completed and signed by the owner, contractor and/or design professional. A separate application is required for each hood being installed.

- Submit the application(s), drawings and specifications to the City of Warren Building Code Department along with three (3) complete sets of drawings sealed by a PA registered design professional, and proof of liability and worker's compensation insurance or affidavit of exemption.

- All drawings submitted for permit must contain, at a minimum, the following information and details, based on the 2009 edition of the International Mechanical Code.

  - A kitchen plan view, showing the hood (with dimensions) and all of the cooking equipment located under the hood, the location of the hood's fire suppression system and any required manual actuation devices. (pulls).

  - A detail view showing the canopy's overhang of the cooking surfaces, the location of the grease filters and their distance to the cooking surface.

  - Specification of the material used for the hood and ductwork, including the type of joints.

  - Clearances of the hood and ductwork to any other building element must be clearly shown.

  - All ducts which penetrate a ceiling, wall or floor, must be enclosed in a shaft assembly and full details of this shaft must be provided. If the shaft enclosure exception is being used, full details of the firestop system must be provided. This requirement applies to all penetrations, whether or not the element penetrated has a fire resistance rating.

  - Details of the suppression system's interconnection with all gas and electric supplies are required.

  - For fuel fired equipment, details of the interconnection between exhaust system and fuel supply must be clearly shown.

  - Clean out location must be clearly shown.

  - All applications involving vent termination through an exterior wall are required to show the location of the exhaust terminal, with scaled dimensions to the adjacent property line, adjacent building(s) and any other window, door or intake opening.

  - Applications involving terminations above the roof need to show the terminal location with clearances above the roof surface, distance to the roof's edge, and clearance to any other rooftop equipment. These requirements shall also apply to the location of any make up air equipment.

  - Drawings must also include the following calculations with all variables shown:
    1) the hoods required capacity;
    2) the designed air velocity within the duct system.

  - Wall details are required for all canopy hoods showing the connection to the wall and clearances to all combustibles.