



Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Lee Urban - Director of Planning and Development
Jeanie Bourke - Inspection Division Services Director

Kitchen Exhaust System Checklist and code Provisions

Dear Applicant,

The following is a checklist to assist you in filing for a permit for a Kitchen Exhaust system. The applicable Mechanical Code provisions have also been attached. Please complete this and submit job specific construction documents that demonstrate compliance with the attached information.

Type of System:

Type I X Type II _____

Type I systems are systems that vent fryers, grills, broilers, ovens or woks.

Type II systems are systems that vent steamers and other non grease producing appliances.

Type of Materials:

Is the hood Stainless steel or other type of steel? other If Other, what Type? GALVANIZED STEEL - 18 ga.

Is the duct work Stainless steel or other type of steel? other If Other, what type? GALVANIZED STEEL - 16 ga.

Thickness of the steel for the hood 18 ga. (No. 18 MSG - 0.043 in.)

Thickness of the duct for the hood 16 ga. (No. 16 MSG - 0.054 in.)

Type of Hood and Duct Supports

WALL-MOUNTED CANOPY per NFPA Standard No. 96

Type of seams and Joints WELDED - LIQUIDTIGHT

Grease Gutters provided? YES

Hood Clearance reduction to Combustibles design /specs:

3 in. from limited combustible construction

Duct Clearance reduction to Combustibles design /specs:

6 in. from limited combustible construction

Vibration Isolation System:

as needed

Air Velocity within the duct system 2200 f.p.m.

Grease accumulation prevention system:

UL listed baffle filters, grease trough w/ 3 grease cups (hood), grease collection box (exh. fan)

Cleanouts one

Grease Duct enclosure one-hour fire-rated enclosure - limited combustible - 6 in. clearance

Exhaust Termination Roof X Wall _____

Fire Suppression System by others

Exhaust fan mounting and clearance from the roof / wall or Combustibles:

roof top mount - 66" clearance from roof - no walls or combustibles present

Exhaust fan distance from property lines 10 FT.

Exhaust fan distance from other vents or openings 10 FT + 3 FT above MUA intake

Exhaust fan distance from adjacent buildings N/A (no adjacent bldgs.)

Exhaust fan height above adjoining grade 10 FT (at lowest point)

Hood Specs

Style of Hood WALL CANOPY

Type of Filter baffle style - (steel) - UL listed - at 45° angle from horizontal

Height of filter above nearest cooking surface approx 48" - varies

Capacity of hood CFM 5670 maximum (equipped w/ variable-speed control)

Make up Air system description and capacity

untempered, compensating MUA at hood, 3402 CFM w/ variable-

speed control, adjustable air controllers & registers