



## Permit Center

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# Type 1 Hood Submittal Checklist

### Scope:

- ☐ New installation      ☐ Relocation of existing      ☐ Replacement of existing (like for like)

### Airflow & Makeup Air:

- ☐ Provide air balance plan - indicate exhaust and replacement air, plus the net exfiltration
- ☐ Hood CFM maximum exhaust rate per WSEC C403.2.7.1
- ☐ Replacement air introduced directly into hood cavity not to exceed 10% of the hood exhaust rate
- ☐ Dedicated make up air unit size limited per WSEC C403.2.71.

### Energy Code Option (*select one of the following three options*):

- ☐ At least 50% of makeup (replacement) air must be transfer (relief) air
- ☐ At least 75% of exhaust airflow equipped with demand ventilation systems (variable speed drive fans) and controls that provide a minimum 50% reduction in exhaust and replacement airflow rates in response to appliance operation and to maintain full capture and containment of smoke, effluent and combustion products during cooking and idle
- ☐ At least 50% of exhaust airflow must be equipped with listed energy recovery devices with at least 40% sensible heat recovery effectiveness

### Hood Type:

- ☐ Factory-built commercial exhaust hood listed and labelled per UL 710  
(*required by WSEC when total kitchen hood exhaust rate is greater than 2,000 CFM*)
- ☐ Factory-built commercial cooking recirculating system listed and labelled per UL 710B  
(*Note, ventilation of kitchen required per 403.3*)
- ☐ Unlisted commercial exhaust hood

### Grease Duct Type:

- ☐ Factory-built commercial grease duct listed and labelled per UL 1978
- ☐ Steel, minimum thickness of 0.0575 inch (No. 16 gage)
- ☐ Stainless steel, minimum thickness of 0.0450 inch (No. 18 gage)

### Grease Duct:

#### Penetrates (check all that apply):

- ☐ Ceiling,      ☐ Wall,      ☐ Floor,      ☐ Other concealed space, **or**
- ☐ Nonfire-resistance-rated roof/ceiling assembly only (*duct enclosure not required*)

#### Enclosure Type:

- ☐ Shaft enclosure    ☐ Field-applied grease duct enclosure    ☐ Factory-built grease duct assembly

### Supports:

- ☐ All hood and grease duct supports are non-combustible

**Clearances to Combustibles (including framing):**Hood

- ☐ 18" clearance to combustibles provided
  - ☐ 0" clearance provided, ½" gypsum over noncombustible structure and noncombustible materials is installed between hood and gypsum, extending 18" in all directions from hood
  - ☐ \_\_\_\_" clearance provided (*describe listing or clearance reduction method*):
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Grease Duct

- ☐ 18" clearance to combustibles provided and 3" clearance provided to noncombustible construction and gypsum attached to noncombustible structures
  - ☐ \_\_\_\_" clearance provided (*describe listing or clearance reduction method*):
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**Exhaust Outlet (new or relocated):**

- ☐ All terminations shall be:
  - ☐ Not less than 10' above adjoining grade
  - ☐ Not less than 10' horizontally from parts of the same or contiguous buildings, adjacent buildings and adjacent property lines
  - ☐ Not less than 10' horizontally from or not less than 3' above air intake openings
- ☐ Termination above the roof
  - ☐ 40" minimum above roof surface
  - ☐ More than 10' from roof edge, **or** ☐ Within 10' to roof edge, guard provided
- ☐ Termination through an exterior wall
  - ☐ Shall not create public nuisance or fire hazard
  - ☐ Not located where protected openings are required by IBC
  - ☐ Not within 3' of other exterior openings

**Inspection Notes:**

- Installation instructions should be provided on site for inspection for reduced clearance products/assemblies
- Performance test is required for hood
- Light test is required for grease duct prior to concealment by wrap or enclosure

**Separate permit(s) are required for:**

- Mechanical permit for cook line appliances and gas piping
- Fire protection system permit for fire suppression system
- Building permit for alterations to the building such as construction of shaft, or structural alterations required to accommodate weight of equipment

*This checklist is meant to be a summary of the common items needed for plan review of a Type I Hood submittal, but may not be comprehensive. It does not supersede any code requirements. Additional information may be required on a case-by-case basis.*