



## Permit Center

210 Lottie Street, Bellingham, WA 98225

Phone: (360) 778-8300 Fax: (360) 778-8301 TTY: (360) 778-8382

Email: [permits@cob.org](mailto:permits@cob.org) Web: [www.cob.org/permits](http://www.cob.org/permits)

## 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.*