

TYPE I & II KITCHEN HOODS – SEPARATE PERMIT REQUIREMENTS

Building permit submittal requirements

1. The plans should indicate a schedule of equipment that is located under the Type I and II hoods, meeting the requirements of IMC sections 507.2.1 and 507.2.2. The wall, ceiling, floor (if applicable) and roof construction adjacent to the Type I hood and Type I hood duct should be identified.
2. Permanent roof access for all mechanical equipment should be shown on the drawings per IMC section 306.5. A roof platform is required if equipment is located on a roof slope of 3:12 or greater, per IMC 306.5.1.

Type I (Type II) Hood mechanical permit submittal requirements

1. All new installations of Type I hoods and ducts require the following drawings:
 - Schematic cross-section through hood at a scale of ½"=1'-0" indicating equipment served by the hood. The section should also indicate the duct as it exits through the building, floor(s) above, and roof. Include a section through the exhaust fan, make-up air supply, and indicate all clearances and dimensions required by the mechanical code from adjacent construction. The section should also include details for:
 - i. The specific listed material and fire-rated enclosure required by the mechanical and building codes, with detailed drawings of any clearance reduction methods allowed per the mechanical code.
 - ii. An equipment list of equipment served, if not available on the building permit plans.
 - Schematic wall elevation (for all adjacent walls) and reflected ceiling plan (if the hood is adjacent to ceiling construction) showing the material specified by the mechanical code to reduce hood and duct clearance from adjacent combustible construction, extending 18 inches beyond and above Type I Hood. *For existing construction only: reference IMC table 308.6 for alternative methods.*
 - Dimension of hood extensions beyond the equipment served, and clearances to the equipment.
 - Schematic roof plan showing the dimensional separation of exhaust, make-up air, other structures.
 - Catalog cuts and schedule for equipment served by Type I hood per IMC section 507.2.1.
 - Duct materials and thicknesses; exhaust and makeup air CFM requirements; hinged exhaust fan.
 - Light test shall be required in the inspectors presence, per IMC section 506.3.2.5
 - Deferred fire suppression permit submittal provided by suppression contractor.
 - i. Hood suppression system must be hard-wired to building automatic detection system.

- ii. Accessible location of the manual activation device.
2. Type II hoods are required above dishwashers and light duty appliances per IMC section 507.2.2
 - Light duty cooking appliances include ovens (including standard, bake, roasting, revolving, retherm, convection, combination convection/steamer, countertop conveyORIZED baking/finishing, deck and pastry), steam-jacketed kettles, pasta cookers, compartment steamers (both pressure and atmospheric) and cheesemelters.
3. All new installations of Type II hoods require:
 - Catalog cuts and schedule for equipment served by Type II hood.

APPLICABLE CODES AND REFERENCES

- Automatic Fire Detection & Suppression Systems Ordinance No. 1902-92
- International Building Code (IBC), 2009 Edition & WAC 51-50
- Accessible and Usable Buildings & Facilities, ANSI A117.1-2003 & WAC 51-51-005
- International Fire Code (IFC), 2009 Edition & WAC 51-54
- International Mechanical Code (IMC), 2009 Edition & WAC 51-52
- National Electrical Code (NEC), 2008 Edition & WAC 296-46B-010
- Uniform Plumbing Code (UPC), 2009 Edition & WAC 51-56 & 51-57
- Washington State Energy Code (WSEC), 2009 Edition, WAC 51-11



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