



City of Prospect Heights

Department of Building and Zoning
8 North Elmhurst Road, Prospect Heights Illinois, 60070-6070
Office: 847/398-6070 x 211-FAX: 847/590-1854-www.prospect-heights.il.us

HOOD/DUCT SYSTEMS GUIDELINE

(Disclaimer: This guide is may not be all inclusive, additional regulations may apply) Edited 5-2013

PERMIT SUBMITTAL REQUIREMENTS:

- Completed application
- Plat of survey(3 copies)
- Provide the proposed type of hood in comparison to what the hood is serving underneath.
- Provide three floor plans showing the exact location of the new unit and setbacks from the units below.
- Provide proposed location, height and proposed gauge of metal/materials.
- Provide the fresh air intake ratio to the exhaust ratio, include all other exhausts such as bathroom exhausts.
- Provide a detail of all proposed exhausts in relation to the fresh air intake locations.

GENERAL REQUIREMENTS:

- ALL MANUFACTURED UNITS including Filters, shall be listed, labeled & be installed per MANUFACTURES' INSTALLATION INSTRUCTIONS. (IMC 507.1, 507.11)
- Either a Type I or Type II hood shall be installed above all commercial cooking appliances (IMC 507.2) (TYPE I above grease/smoke, TYPE II above dishwashers and light-duty appliances that produce heat or moisture)
- Type I shall be a min. of 18 gauge, and Type II a minimum 22 gauge. (IMC 507.4/5)
- Type I hoods Joints shall be liquid tight welded or brazed to be grease tight (IMC 507.7),
- Type II hoods require seams to be sealed on the interior. (IMC 507.2)
- Type I hoods shall have an approved fire suppression system complying with NFPA 17A
- and U.L. 300.
- Hoods require a grease gutter (IMC 507.8) g
- Canopy size shall not be less than 6" beyond the edge, and not greater than 4' above the
- cooking surface.
- IMC sections 507.13.1-4 shall determine capacity of the minimum net quantity of air.

Furthermore enough fresh air intakes are requiring making up for the exhaust. (IMC508)



Exhaust shall be a minimum of 10' from openable windows or fresh air intake.



Ducts that operated at temperatures > 120F shall have thermal insulation, with a flame



spread index < than 25 and a smoke-developed index not more than 50, Tested with ASTM E 4 or UL 723. (IMC 604). Normally requiring two layers of wrap.

A performance test (capture & contamination test) is required prior to a final inspection

(IMC 507.16)

APPLICABLE CODES:

- City of Prospect Heights Municipal Ordinance(<http://www.prospect-heights.il.us/>)
- International Building Code (www.iccsafe.org)
- International Mechanical Code (www.iccsafe.org)
- National Electric Code (www.nfpa.org)

INSPECTION REQUIREMENTS:

- Call 847-398-6070 x 211 to schedule an inspection
 - A Rough and final inspections are required.