



CITY OF PARK RIDGE

505 BUTLER PLACE
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DEPARTMENT OF COMMUNITY PRESERVATION AND DEVELOPMENT
BUILDING SAFETY DIVISION

Hood & Duct System Guidelines

The system shall comply with the latest version of the 2015 International Mechanical Code.

- ALL MANUFACTURED UNITS including Filters, shall be *listed, labeled* & be installed per MANUFACTURER'S 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 open-able 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 84 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)
- All kitchen hoods greater than 400cfm shall require make up air per IMC 2015
Exhaust fans larger than 400cfm now require make up air. IMC 2015 505.2

505.2 Makeup air required. Exhaust hood systems capable of exhausting in excess of 400 cfm (0.19 m³/s) shall be provided with *makeup air* at a rate approximately equal to the *exhaust air* rate. Such *makeup air* systems shall be equipped with a means of closure and shall be automatically controlled to start and operate simultaneously with the exhaust system.

Contact the City of Park Ridge upon completion for all rough and final inspections at 847-318-5291.

Review the City Ordinances at www.parkridge.us

To purchase code books, contact ICC at: 800-214-4321 / www.intlcode.org

Construction Documents (approved SITE copies) shall be available at all times at the job site. Any alterations to the approved SITE copies must be submitted to the City of Park Ridge in triplicate for review and approval.