

**ANNE ARUNDEL COUNTY
DEPARTMENT OF INSPECTIONS & PERMITS**

Hood and Duct Plan Requirements

The information required for a complete plan review of hood and duct systems shall be as follows:

- 1. The applicable standards/codes are 2018 International Mechanical Code (IMC) and the 2017 Edition of NFPA 96.
- 2. Provide four (4) complete sets of drawings detailing elevations, floor plans, duct layout, and the distance separation from combustibles (i.e. roof, ceiling, and walls).
- 3. Provide complete details of hood and if the hood is listed; provide the minimum exhaust capacity (in CFM) required per the UL listing.
- 4. Provide complete details of exhaust and supply fans including their UL listing.
- 5. Show access panels and details of locations where cleaning of ducts will be performed as the code requires a suitable work surface to access and clean the duct and fans.
- 6. Show rooftop terminations and a minimum 10 foot separation between the exhaust and supply fans.
- 7. Provide an air balance and specify the hood capacity. The Anne Arundel County Health Department requires a minimum of 85% of the exhausted air to be provided by the supply fan. An air balance includes the capacity (in CFM) for the supply fan, exhaust fan, and the difference will be made-up (~15%).
- 8. When the fire extinguishing system discharges, make-up air supplied internally to a hood shall be shut off.
- 9. All paths taken by ductwork shall be shown on plans with dimensions of ductwork detailed.
- 10. An 18-inch clearance from combustibles for the hood and ductwork shall be maintained, unless permitted otherwise.
- 11. If using UL listed field-applied duct wrap, provide manufacturer's instructions and installation documentation.

All installations will be evaluated individually and modifications may be required. The above information details the minimum requirements to obtain a complete review of the proposed hood and duct installation.

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