

Why do I Need a Type I Hood?

A Type I hood is designed for proper venting and capture of the gases, heat, grease, vapors and smoke generated by cooking equipment.

This is important; not only for fire prevention and sanitation purposes, but also for maintaining the health and well-being of food service workers.

In order to help prevent dangerous or unhealthful conditions within a food facility, it is critical that exhaust ventilation systems be designed, constructed and operated in compliance with all applicable requirements.

This brochure contains a general overview of the requirements for a Type I hood approval for new construction, to replace an existing system, after a fire or after a discharge. It should not be considered all-inclusive. Please contact the Tuscaloosa Fire and Rescue Service with any question or concern.

Applicable Codes for hood and exhaust:

2009 International Fire Code

2009 International Mechanical Code

2008 National Electrical Code (NFPA 70)

2009 International Building Code

2009 International Fuel Gas Code if gas appliances are involved.

Applicable standards for hood and exhaust:

UL 710- 1995 Exhaust hoods for commercial cooking equipment.
(Referenced in 2009 International Mechanical Code)

Applicable code for hood suppression system:

2009 International Fire Code

Applicable standards for hood suppression system:

NFPA 17A- 2002 Wet Chemical Extinguishing systems

UL 300-2005 Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Equipment.

Process for Type I Hood Approval

**New Construction
Replacing Existing Hood
After a Fire
After a Discharge**



Tuscaloosa Fire & Rescue Service

2201 University Blvd.
Tuscaloosa, Alabama 35401
Phone: 205-248-5420
Alan J. Martin, Fire Chief

Process of Type I Hood Approval

1. Obtain Planning and Developmental Services (PDS) permit.

The following documentation is required:

If it is a factory-built commercial exhaust hood tested in accordance with UL 710, you must submit product data and specifications. Tuscaloosa Fire and Rescue Service (TFRS) approval, through the plans review process, is required to ensure the hood meets Fire Code requirements.

If it is an exhaust hood not tested in accordance with UL 710 or a custom fabricated hood, it must be designed by an Alabama Licensed Professional Engineer. You must provide two sealed copies of plans for review.

Planning and Developmental Services

Monday through Friday

7:00 am - 5:00 pm

Phone: 205-248-5110

The office is on the third floor of the City Hall Annex, 2201 University Blvd.

2. Submit two copies of shop drawings, specifications (cut sheets) and product data to PDS for review/approval before work begins.

The following documentation is required for a plans review:

- Contractor must provide Proof of Manufacturers Certification or NAFED/ICC certificate.
- The designer of the system and the installer of the system must possess proper certifications or have them on file in the TFRS office.
- Hood suppression systems must be UL 300 listed.

3. Install hood suppression system in accordance with all applicable codes and standards, conditions of listing and manufacturer's installation instructions. The manufacturer's installation instructions and the contractor's shop drawing must be onsite at the time of the inspection.

- UL listed hood suppression systems must be installed by a licensed contractor with Manufacturers Certification or NAFED/ICC certificate.
- Hoods not UL listed and custom fabricated hoods must be installed by a licensed and qualified contractor in accordance with the Alabama Licensed Professional Engineer's design criteria in accordance with UL 710.

4. Schedule required inspections with PDS and TFRS.

Once inspections are completed and passed, the hood suppression system acceptance test can be conducted. If the system passes the acceptance test and all required trade inspections are satisfactory, the system can be placed in service.

Fire? System Discharge?

An acceptance test of the system is required after a fire or system discharge. Depending on the extent of fire or discharge, any or all of the above may apply.

For guidance, contact:

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Monday through Friday
7:00 am to 5:00 pm.

Phone: 205-248-5420

The office is on the first floor of City Hall Annex, located at 2201 University Blvd.

For a fire or system discharge outside normal business hours, phone 349-1100 to request an inspector.