



Montgomery Fire/Rescue

Fire Sprinkler Installation



Fire sprinkler systems shall be designed and installed in accordance with NFPA 13 and NFPA 24. Fire Sprinkler Systems shall be permitted before any installation work has been implemented on the job site.

- **Failure to comply can result in a Stop Work Order and a citation issued to the responsible party or Company for a Re-Inspection Fee of \$75.00 plus other associated fees and/or fines for every day of non-compliances.**

PLANS

Three (3) sets of plans stamped by an Engineer licensed by the State of Alabama, shall be submitted to Montgomery Fire/Rescue, Bureau of Inspections for all new installation of fire sprinkler systems and /or when 15 heads or more are added and when 25 heads or more are relocated and / or modified, for review. For anything less the 15 new heads or 25 relocated or modified heads, a permit application shall be submitted to the New Construction Bureau of Inspections with details of when and where the changes and/or additions were made to be added to the buildings permanent file.

All plans must include:

- Permit Application
- Scope of work.
- All property information (i.e. Business Name, Address, Installer Contact and Phone Number).
- Graphical Information (i.e. Scale, Points of Compass, Match lines if applicable).
- All sprinkler system devices and their respective location(s).
- All standards that the system was designed to.
- A pipe inspection of all pipes shall be completed by New Construction Bureau of Inspections before any pipe is installed.
- Installation Inspection. The installation of all sprinkler piping, hangers, heads and risers shall be inspected by a New Construction Bureau of Inspections before being covered.
- A Functional Test shall be accomplished by the New Construction Bureau of Inspections by having an Engine Company pump to the system at a 150 PSI, with water flowing out of the test drain or other acceptable point. This can be done as part of the Acceptance test with proper notice.
- A Final Acceptance Test of all newly installed fire sprinkler systems and / or where plans were required to be submitted.

- A completed copy for the "Contractor's Material and Test Certificate for the Aboveground Piping" shall be provided at the system acceptance.
- A completed copy of the first "Report of Inspection" shall be provided at the system acceptance.
- All 13R systems shall have a bucket test witnessed by the New Construction Bureau of Inspections.
- Signed and sealed or stamp of review by a qualified Alabama licensed professional engineer.

The Fire Sprinkler System will be considered in-service at the completion of the Acceptance test.

Fire sprinkler system items to address:

- The fire sprinkler system shall have the "Main Drain" drain piped to the outside of the building.
- The fire sprinkler system shall have an inspector's test valve piped so as to discharge water to the outside of the building.
- The Sprinkler Riser room shall be properly identified. (Sprinkler Riser Rooms, ETC.) In Multi-Address Buildings all risers shall identify all the addresses covered by that riser.
- In multi-family residential buildings, without a common interior area, the fire sprinkler system riser shall be located in a separate heated room with direct access from the outside of the building for use by the Fire Department. The design of this adjacent room shall be suitable so as the installation and maintenance of the fire sprinkler system can be achieved.
- The fire sprinkler system shall have the outside horn/strobe (in lieu of electric bell) located above the Fire Department connection (FDC), as defined in NFPA 13 or if FDC is away from Building at a location acceptable to the AHJ.
- The location of the FDC shall be no more than 100-feet travel distance to a water supply. The FDC shall be located on the front of the building or another location on the building acceptable to the AHJ.
- Installation or work on a fire sprinkler system requires properly certified individuals or companies (See Ordinance 27-2012) to perform the specified scope of work.
- A stamped copy of Fire Sprinkler Systems plans and permit shall be on site at all times during construction and installation.

Montgomery Fire/Rescue Bureau of Inspections
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