

OFFICE OF INSURANCE AND SAFETY FIRE COMMISSIONER



RALPH T HUDGENS
COMMISSIONER OF INSURANCE
SAFETY FIRE COMMISSIONER
INDUSTRIAL LOAN COMMISSIONER
COMPTROLLER GENERAL

SIXTH FLOOR, WEST TOWER
FLOYD BUILDING
2 MARTIN LUTHER KING, JR. DRIVE
ATLANTA, GEORGIA 30334
404-656-2064
www.oci.ga.gov

List of Items to be Included in a Sprinkler Plan Review

1. At least 2 (but preferably 3) full size sets of sprinkler plan drawings. The drawings would include:
 - A site plan (to scale) that shows the hook-up connections to the local water supply, the location of hydrants and cross streets in relation to the building site, the location of the PIV(s), the location of the fire department connection(s) to the building, and the location of any external pump house(s) and backflow prevention devices.
 - The signature, stamp and certificate of competency number of the designer of the sprinkler system.
 - A riser detail drawing that would likely show the fire department bypass connection to the sprinkler system.
 - Pump system detail drawings for the main pump, jockey pumps and sensing system. (if necessary)
 - Typical system hanger detail drawing(s).
 - Cross section views of the building in order to clarify: the structure of any attic or interstitial spaces within the building; if the piping and sprinkler locations are at any inclined angles and how water flows through the system to the different floors of the building.
 - A sprinkler piping detail drawing for each floor of the building showing the size of pipes being used throughout the system, the location of system hangers, and the location and type of all fire protection equipment.
 - A reflected ceiling plan drawing for each floor that shows the room designations, sprinkler head locations and the locations of walls within the building. (This would also be a good place to identify any fire rated walls, doors, etc. so that the reviewer can more easily determine why a particular room doesn't have sprinklers in it.)
 - Note: If the building is not that complicated, the piping detail drawing and the reflected ceiling plan drawing can be combined. A good rule of thumb is that if the drawing looks "too busy" to you then it will probably confuse the reviewer.
2. A set of hydraulic calculations for both the most remote and the most hydraulically demanding areas for each sprinkler system in the building. (Please note that these may be different areas in the building).
3. Site Water Flow test data. Note: the test must have been performed within 6 months of the plan submittal to this office and the instruments used for the test must have been calibrated within the year preceding the actual test date. Finally, the local fire and/or water departments having jurisdiction may require that a representative be present during the actual test
4. Technical literature for the equipment expected to be used on the project. This would include:
 - Specific manufacturer, model and SIN number of all sprinklers
 - Pump performance curves for fire pumps and the total volume and elevation of any water tanks
 - Any associated data for Backflow Prevention Devices, check valves, fire department connections, etc.
5. A form 354-S transmittal letter.

Note: there is now a \$150.00 fee assessed for each sprinkler plan review for all non-public buildings. Note: all checks to be made payable to the "Safety Fire Division".