



Somers Fire & Rescue Department
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SPRINKLER INSPECTION CHECK LIST

Pre Inspection:

- System flush out inspection was performed and approved
- Underground hydro test was performed and approved (200 psi for 2 hours)
- Check for copy of approved plans

Inspection:

- Have approved plans and permit available
- Locate on plans, area(s) to be inspected
- Verify number of sprinkler heads per plans
- Identify the riser location per plans
- Identify fdc location is per plans

Piping and Supports:

- Check that piping and support materials are as per plans
- Check piping and supports are as per manufacturer's requirements
- Check that all piping laid on open joists is secure
- Check that all piping in open attics is insulated
- Check that piping and piping size are as per plans
- Check that pipe penetrations have proper clearance (1- 3.5" = 2" cl) (4" += 4" cl) check that double back flow valve is installed
- Check that all lateral bracing is installed per code (see notes)
- Check seismic assembly is installed in building with seismic joints (if applicable)
- Check that longitudinal bracing is installed per code
- Check that 4 way bracing is installed every 25 feet
- Check that restraining straps are installed on all c-clamps
- Check cross mains for a hanger between each branch line and at end of the main

Sprinkler Riser:

- Check that main drains are routed to the exterior and turned down
- Check riser for a flow switch
- Check that water gong or audible alarm are installed
- Check that a 4 way brace is installed at the top of the riser
- Check risers in multi-story building are supported at the lowest level, each alternate level, below offsets and at the top
- Check that distance between riser supports is not greater than 25 feet
- Check that hydraulic data plate is attached to riser

FDC:

- Check that fdc is installed per plans
- Check that fdc has check and drip valve installed
- Check that fdc is a minimum of a 4 inch pipe
- Check that fdc is between 18 inches and 48 inches above finish grade

Sprinkler Pipes/Over Head:

- Check that all sprinkler locations are as per plans and code
- Check that all sprinkler lines are braced per code
- Sprinkler spacing 12 feet on center or less
- Check that sprinklers are not within 8 feet of each other unless allowed
- Sprinklers not more than 6 feet from a wall
- Sprinkler sprinklers in bath rooms of 55 square feet or more
- Sprinklers are in closets of 24 square feet or more with combustible surface materials
- Hanger spacing on 1.5 inch or larger pipe= every 15 feet
- Hanger spacing on 1 inch to 1.25 inch pipe= every 12 feet
- Hanger required within 36 inches of sprinkler head if on a main or branch line
- Hanger required within 24 inches of sprinkler head if on an arm over
- Hanger (wrap around) required at the end of every run

COMPLETE TEST AND INSPECTION FORM WITH SIGNATURE