



Somers Fire & Rescue Department  
Captain Joe Scruggs, Fire Inspector  
P.O. Box 197, Somers, WI 53171  
jscruggs@somers.org  
(262) 620-3285

## SPRINKLER INSPECTION CHECKLIST

### PRE INSPECTION:

- ☐ System flush out inspection was performed and approved
- ☐ Underground hydro test was performed and approved (200 psi for 2 hrs)
- ☐ 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 sq ft or more
- ☐ Sprinklers are in closets of 24 sq ft 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***