



TRIANGLE

FIRE PROTECTION, INC.
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INSPECTION CONTRACT NO. _____

**FIRE SPRINKLER
 INSPECTION REPORT**

REPORT TO _____ BUILDING OR LOCATION INSPECTED _____
 STREET _____
 CITY&STATE _____ INSPECTOR _____
 ATTN: _____ DATE _____

1. GENERAL

Yes N.A No

- a) Have there been any changes in the occupancy classification, machinery or operations since the last inspection?
- b) Have there been any changes or repairs to the fire protection system since the last inspection?
- c) If a fire has occurred since the last inspection, have all damaged sprinkler system components been replaced?
- d) Has the piping in all systems been checked for obstructive materials?
- e) Date last checked _____ (checking required at least every 5 years) _____
- f) Have all fire pumps been tested to their full capacity through the use of hose streams or flow meters within the past 12 months?
- g) Are gravity, surface or pressure tanks protected from freezing?
- h) Sprinkler heads: _____ SR (50YR) _____ QR (20YR) _____ DRY(10YR) _____ >325(5YR) _____
- i) Have gauges been tested, calibrated or replaced in the last 5 years?
- j) Water Gauges _____ Air Gauges _____ Suction Gauges _____
- k) Standpipe 5 and 3 year requirements.
 - 1. Dry standpipe hydrostatic test Date _____
 - 2. Flow test Date _____
 - 3. Hose hydrostatic test (5 years from new, every 3 years after) Date _____
 - 4. Pressure reducing/control valve test Date _____
- l) Have the sprinkler systems been extended to all visible areas of the building?
- m) Does there appear to be proper clearance between the top of all storage and the sprinkler deflector?
- n) Are the building areas protected by a wet system, heated, including its blind attics and perimeter areas, where accessible?
- o) Are all visible exterior openings protected against the entrance of cold air?
- p) Are hydraulic data plates installed?

2. CONTROL VALVES

Yes N.A No

- a) Are all sprinkler system main control valves in the appropriate open or closed position?
- b) Are all control valves sealed, locked or supervised in the open position?

Control Valves	No. of Valves	Type	Easily Accessible		Signs		Valves Open		Secured (Sealed?) (Locked?) (Supvd.?)			Supervision Operational	
			Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
CITY CONNECTION													
TANK													
PUMP													
SECTIONAL SYSTEM													
ALARM LINE													

c) Fire Pump: Electric Diesel NA Size _____

3. WATER SUPPLIES

a) Water supply source? City _____

Gravity Tank _____

Pressure Fire Pump & Tank _____

Pressure Fire Pump & City _____

Water flow Test Results Made During This Inspection

Pressure Fire Pump & Pond _____

Test Pipe Location	Size Test Pipe	Static Pressure Before	Flow Pressure	Static Pressure After	Flow Time (Seconds)	Test Pipe Location	Flow Time (Seconds)	Test Pipe Location	Flow Time (Seconds)

4. TANKS, PUMPS, FIRE DEPT. CONNECTIONS

Yes N.A No

- a) Do fire pumps, gravity, surface or pressure tanks appear to be in good external condition?
- b) Are gravity, surface and pressure tanks at the proper pressure and/or water levels?
- c) Are fire dept. connections in satisfactory condition, couplings free, caps or plugs in place and check valves tight?
- d) Are fire dept. connections visible and accessible?
- e) Has the storage tank been internally inspected in the last 3 yrs. (unprotected) or 5 yrs. (protected)?

5. WET SYSTEMS

Yes N.A No

- a) No. of systems _____ Make & Model _____
- b) Have all the antifreeze systems been tested?
- c) Date antifreeze system(s) tested _____
- d) The antifreeze tests indicate protection to:
system 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ Temperature _____
- f) Type of antifreeze installed: propylene glycol _____ glycerin _____
- g) Did alarm valves, waterflow alarm indications and retards test satisfactory?

6. DRY SYSTEMS

Yes N.A No

- a) No. of systems _____ Make & Model _____
- b) Date last trip tested _____
- c) Date last full flow _____
- d) Is the air pressure and priming water levels normal?
- e) Did the air compressor operate satisfactory?
- f) Were all low points drained during this inspection?
Number of low points: _____ Location(s): _____
- g) Did all quick opening devices operate satisfactory?
- h) Did all the dry valves operate satisfactory during this inspection?
- i) Do dry valves appear to be protected from freezing?
- j) Is the dry valve house heated?

7. SPECIAL SYSTEMS

Yes N.A No

- a) No. of systems _____ Make & Model _____
Type _____
- b) Were valves tested as required?
- c) Did all heat responsive systems operate satisfactory?
- d) Did the supervisory features operate during testing?
Heat Responsive Devices: Type _____ Type of test _____
Valve No. Valve No.
Valve No. Valve No.
Valve No. Valve No.
Valve No. Valve No.
Auxiliary equipment: No. _____ Type _____
Location _____
Test results _____

8. ALARMS

Yes N.A No

- a) Did the water motors and gong operate during testing?
- b) Did the electric alarms operate during testing?
- c) Did the supervisory alarms operate during testing?

9. SPRINKLERS-PIPING

Yes N.A No

- a) Do sprinklers generally appear to be in good external condition? Yes N.A No
 - b) Do sprinklers generally appear to be free of corrosion, paint, or loading and visible obstructions? Yes N.A No
 - c) Are extra sprinklers available on the premises? Yes N.A No
 - d) Does the exterior condition of piping, drain valves, check valves, hangers, pressure gauges, open sprinklers and strainers appear to be satisfactory? Yes N.A No
 - e) Does the hand hose on the sprinkler system appear to be in satisfactory condition? Yes N.A No
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10. DEFICIENCIES

11. ADDITIONAL COMMENTS

12. INSPECTION, DEFICIENCIES, AND ADDITIONAL COMMENTS WERE DISCUSSED WITH THE UNDERSIGNED OWNER OR OWNER'S REPRESENTATIVE

Yes No

Signature of owner or owner's representative _____ Date _____

Signature of Inspector _____ Date _____