



JONESBORO FIRE DEPARTMENT

PROTECTING LIVES AND PROPERTY SINCE 1899
3215 EAST JOHNSON AVE, JONESBORO, AR 72401
(870) 932-2428



FIRE MARSHALS' OFFICE

AUTOMATIC FIRE SPRINKLER ACCEPTANCE TEST

Business _____ Business Address _____

Sprinkler Company _____ Date _____

Fire Official _____

Administrative

- | | | |
|---|-----|----|
| 1. Does the contractor have the approved stamped set of drawings from our office? | Yes | No |
| 2. Have all devices been tested prior to inspection? | Yes | No |
| 3. Written contract between owner and ITM Company? | Yes | No |
| 4. Have you provided the owner with a copy of NFPA 25? | Yes | No |

Test

Outcome

Hydrostatic Test for Wet Pipe Systems

- | | | | |
|--|------|------|-----|
| 1. All piping (including FDC) tested for a period of not less than two hours at a pressure of 200 psi or 50 psi above operating pressure which ever is the greatest. No loss in psi is allowed. (NFPA 13-16.2.1) | Pass | Fail | N/A |
|--|------|------|-----|

(Note: if cold weather will not allow for testing with water air test can be performed)

(Note: Modifications affecting 20 or fewer heads are not required to be tested)

Hydrostatic Test for Dry Pipe and Double Interlock Systems

- | | | | |
|--|------|------|-----|
| 1. All piping (including FDC) tested for a period of not less than two hours at a pressure of 200 psi or 50 psi above operating pressure which ever is the greatest. No loss in psi is allowed. (NFPA 13-16.2.1) | Pass | Fail | N/A |
| 2. In addition to standard hydrostatic test, an air pressure leakage test at 40 psi shall be conducted for 24 hours. 1 ½ psi loss is allowed. (NFPA 13-16.2.2) | Pass | Fail | N/A |
| 3. Perform a trip test by opening inspector's test connection. Water should be present within 60 seconds. (NFPA 13-16.2.3.2.2) | Pass | Fail | N/A |

(Note: If weather is subject to freezing a partial trip test can be performed until later date)

(Note: Inspectors test valve shall be at the remote portion of the system)

(Note: Systems less than 750 gallons are not required to meet the 60 second requirement)

Main Drain Test

- | | | |
|---|-----|----|
| 1. Main drain valve shall be opened and remain open until the system pressure stabilizes. | Yes | No |
|---|-----|----|

Riser 1 Static Pressure _____ Residual Pressure _____

Riser 2	Static Pressure _____	Residual Pressure _____
Riser 3	Static Pressure _____	Residual Pressure _____
Riser 4	Static Pressure _____	Residual Pressure _____

Pressure Reducing Valves

- | | | | |
|---|------|------|-----|
| 1. Each pressure-reducing valve shall be tested upon completion of installation to ensure proper operation under flow a no-flow conditions. | Pass | Fail | N/A |
| 2. Test each PRV for emergency override. | Pass | Fail | N/A |
| 3. Record static and residual inlet pressures, static and residual outlet pressures and the flow rate | Yes | No | N/A |

Sprinkler Spacing

- | | | | |
|--|-----|----|-----|
| 1. Is the spacing within the maximum allowed? | Yes | No | |
| 2. Is the spacing in between heads correct? | Yes | No | |
| 3. Is the spacing from the wall no greater than ½ the allowed spacing between heads? | Yes | No | |
| 4. Does the sprinkler head look to close to wall?
Check specification sheets (Usually 4") | Yes | No | |
| 5. Are their fixed obstructions greater than 4 wide under the coverage?
Note: Conference Tables don't apply | Yes | No | |
| 6. Is their adequate clearance to storage? (Greater than 18") | Yes | No | |
| 7. Unobstructed Construction heads must be 1" to 12" to deck. | Yes | No | N/A |
| 8. Obstructed Construction head must be 1" to 6" form structural member and no greater than 22" from the deck. | Yes | No | N/A |
| 9. Attic heads are within 1" – 12" of the peak? | Yes | No | N/A |
| 10. Are attic heads installed according to specifications | Yes | No | N/A |
| 11. Are hanger spaced according? | Yes | No | |

NOTES:

Distance from Sprinklers to Side of Obstruction (A)	Maximum Allowable Distance of Deflector above Bottom of Obstruction (in.) (B)
Less than 1 ft	0
1 ft to less than 1 ft 6 in.	2½
1 ft 6 in. to less than 2 ft	3½
2 ft to less than 2 ft 6 in.	5½
2 ft 6 in. to less than 3 ft	7½
3 ft to less than 3 ft 6 in.	9½
3 ft 6 in. to less than 4 ft	12
4 ft to less than 4 ft 6 in.	14
4 ft 6 in. to less than 5 ft	16½
5 ft and greater	18