

**ARKANSAS FIRE PROTECTION LICENSING BOARD
RULES AND REGULATIONS FOR SPRINKLER SYSTEMS
Amended 20004**

SECTION 1. SCOPE, PURPOSE AND FAIRNESS

1. **PURPOSE.** The purpose of these rules is to regulate persons engaged in the business of planning, selling, installing, maintaining, inspecting or servicing fire protection sprinkler systems in the interest of safe guarding lives and property pursuant to Act 743 of 1977 as amended (ACA 20-22-601 through 614).
2. **TITLE.** These rules shall be known and may be cited as the sprinkler rules and shall be administered by and through the Board.
3. **APPLICABILITY OF RULES.** These rules shall apply to all firms and persons engaged in the business and not to the general public.
4. **FAIRNESS NOTICE.** Notice by the Board as required by any provisions of statute or of these rules must be given by personal service of mail, postage prepaid, addressed to the person to be notified at his last know address of residence or business as it appears on the records in the office of the Board.

SECTION 2. DEFINITIONS

The following words and terms when used in these rules shall have the following meaning unless the context clearly indicates otherwise.

- a. Act 743 of 1977 – Fire Protection requirements set forth by the State of Arkansas, of which the Arkansas Fire Protection Licensing Board was initiated. The Act is known as ACA 20-22-601 through 614 or Title 20, Subchapter 6, or loosely as “The Code”.
- b. Authority Having Jurisdiction (AHJ) – a federal, state, local, other regional department or individual such as a fire chief, fire marshal, chief of a fire prevention bureau, labor department, health department, building official or other entity having statutory authority.
- c. Board – the Arkansas Fire Protection Licensing Board.
- d. Certificate – the certificate or registration issued by the Board to the fire sprinkler system contractor authorizing the company to engage in the business.
- e. Certify – to attest to the proper planning, installing, maintaining, inspecting or servicing of fire sprinkler systems by executing a contractor’s material and test certificate and attaching a completed service tag.
- f. Certified Firm – any business owned by an individual, partnership, corporation or association holding a current certificate of registration issued by the Board.
- g. Emergency – a condition where a water-based fire sprinkler system or portion thereof is out of order due to an unexpected occurrence, such as a ruptured pipe, an operated sprinkler or an interruption of the water supply to the system. All impairments that would interfere with the Fire Department’s ability to rely upon the fire sprinkler system’s reliability are considered to be Emergency Impairments. (Example: bad Fire Department threads, a potential or immediate hazard that jeopardized water flow conditions in the Fire Department connection supply line.)

- h. Fire Sprinkler System – Interchangeable with “Fire Protection Sprinkler System”. An assembly of underground or overhead piping or conduits that convey water, with or without other agents, to dispersal openings or devices to extinguish, control or contain fire and to provide protection from exposure to fire or the products of combustion.
- i. Fire Sprinkler System Contractor – a person or organization that offers to undertake, represent itself as being able to undertake the plan, sale, installation, maintenance, inspections or service of a fire sprinkler system or any part of such a system.
- j. Full-Time Employee – an employee is considered to work full-time if the employee works an average of at least 30 hours per week.
- k. Green Service Tag – any system that is green tagged is understood to have successfully passed inspection by a licensed individual utilizing the state standard inspection form. All non-emergency impairments, must be noted in the comment section of the tag.
- l. Impairment – a shutdown of a system or portion thereof. The two types of impairments are emergency and pre-planned.
- m. Inspection – a visual examination of a sprinkler system or portion thereof to verify it appears to be in operating condition, per codes and free from physical damage.
- n. Inspector – an experienced, trained and licensed individual employed by a certified firm to perform inspections.
- o. Installation – the initial placement of a system or its extension, modification or alteration after initial placement.
- p. Installer – the installer refers to a licensed employee responsible for the initial installation of the fire sprinkler system. Anywhere installer is referred to in this document it will be understood that an inspector may perform the duties.
- q. License – a written document issued by the Board to any person for the purpose of granting permission to such person to perform any act(s) for which authorization is required.
- r. Licensed Individual – one who has met the requirements for and has been recognized by the Fire Protection Licensing Board, such as an RME or Inspector. (This term does not include the installer.)
- s. Maintenance/Repair – to maintain in the condition of repair that provides performance as originally planned.
- t. NFPA – National Fire Protection Association, Inc. – a nationally recognized standards making organization - # 1 Batterymarch Park, P. O. Box 9101, Quincy, Mass. 02269-9101.
- u. NICET – National Institute for the Certification in Engineering Technologies whose expressed scope of certification is geared towards producing responsible, accountable layout technicians.
- v. Organization – a corporation, partnership, other business association, a government entity or any other legal or commercial entity.
- w. Person – a natural person, including any owner, manager, officer, employee or occupant.

- x. Plan – to layout, detail, draw, calculate, devise or arrange an assembly of underground or overhead piping and appurtenances in accordance with either adopted fire protection standards or specifications especially designed by an engineer.
- y. Pre-planned – a condition where a water based fire sprinkler system or a portion thereof is out of service due to work that has been pre-planned in advance such as revisions to the water supply or sprinkler system piping.
- z. Point of Service – the point at which the underground piping for a sprinkler system, using water as the extinguishing agent, becomes used exclusively for the fire sprinkler system.
- aa. Red Tag – any system that is red tagged is understood to be emergency impaired and therefore would not be acceptable to connect to in the case of emergency operations.
- bb. Responsible Managing Employee (RME) – an individual(s) who shall be designated by each company to plan, sell, install, maintain or service a fire sprinkler system on a full time basis to assure that each fire sprinkler system as installed, maintained or serviced meets the standards as provided by law.
- cc. Standards – those nationally recognized standards adopted herein.
- dd. Service – to inspect, test or repair fire sprinkler equipment in order to furnish or return the fire sprinkler system to operational condition and may be in the form of maintenance contracts where applicable.
- ee. Test – the act of subjecting a fire sprinkler system to any procedure necessary to insure its proper operation or installation.

SECTION 3. APPLICATION

The rules and regulations shall have uniform force and effect throughout the State, Municipalities or counties and may require additional certificate of registration or licenses or may require certified firms to obtain permits or pay fees beyond the scope of these rules and regulations.

These rules and regulations do not apply to a person or organization that only sells or supplies products or materials to a certified firm, special agent fire suppression systems, a regular employee of a certified firm, inspection activities conducted as part of an insurance or engineering survey, inspection activities performed by a government official as part of code enforcement activities, routine observation of the condition of fire sprinkler equipment by the maintenance staff of the owner or tenant and nothing herein shall be deemed to limit or restrict the practice of engineering by licensed or certified professional engineers.

1. Adopted Codes – the Board adopts by reference in their entirety the following copywriters codes published by and available from the ICBO Resource Center, 9300 Jollyville Road, Suite 101, Austin, TX 78759-7455, (512) 794-8700, Fax 343-9116, (800) 252-3602. A copy of the codes shall be kept available for public inspection in the office of the State Fire Marshal.
 - a. International Building Code (Arkansas in conjunction with the International Building Code)
 - b. Fire Code (Arkansas in conjunction with the International Fire Code)
 - c. The latest editions of the referenced codes and standards are adopted unless otherwise noted.
2. Adopted Standards. The Board adopts by reference in their entirety the following copywriters standards published by and available from the National Fire Protection Association, Inc. # 1 Batterymarch Park, P. O. Box 9101, Quincy, Mass. 02269-9101, 1-800-344-3555. A copy of the standards shall be kept available for public inspection in the office of the State Fire Marshal.

NFPA 1	Fire Prevention Code
NFPA 11	Standard for Low-Expansion Foam
NFPA 11A	Standard for Medium and High Expansion Foam System
NFPA 13	Installation of Sprinkler Systems
NFPA 13D	Installation of Sprinkler Systems in One or Two Family Dwellings & Mobile Homes
NFPA 13R	Sprinkler Systems in Residential Occupancies up to Four Stories in Height
NFPA 14	Installation of Standpipe and Hose Systems
NFPA 15	Water Spray Fixed Systems for Fire Protection
NFPA 16	Installation of Deluge Foam Water Sprinkler Systems & Foam Water Spray Systems.
NFPA 20	Installation of Centrifugal Fire Pumps
NFPA 22	Water Tanks for Private Fire Protection
NFPA 24	Installation of Private Fire Service Mains & Their Appurtenances
NFPA 25	Inspection, Testing, Maintenance of Water Based Fire Protection Systems
NFPA 30	Flammable and Combustible Liquids Code
NFPA 30A	Automotive and Marine Service Station Code
NFPA 101	Life Safety Code
NFPA 214	Water Cooling Towers
NFPA 230	Standard for the Protection of Storage
NFPA 232	Protection of Records
NFPA 232A	Archives and Records Centers
NFPA 409	Aircraft Hangers

3. Approved Certification Organizations. The Board approves the National Institute for Certification in Engineering Technologies (NICET) as a nationally recognized testing standards organization for certifying licensed applicants.

4. Explanation of Roles.

- a. Owner's Role. The responsibility for properly maintaining a water based fire system shall be that of the owner(s) of the property. By means of periodic inspections, tests and maintenance, the equipment shall be shown to be in good operating condition or any defects or impairments shall be revealed. Inspection, testing and maintenance shall be implemented in accordance with procedures meeting or exceeding those established in this document and in accordance with the manufacturer's instructions. Personnel who have developed competence through training and experience shall perform the task. (See Section 5.)

The Building owner or occupant shall not make changes in the occupancy, the use or process, or the materials used or stored in the building without evaluation of the fire system for their capability to protect the new occupancy, use or materials. The evaluation shall consider factors that include, but are not limited to, the following:

1. Occupancy changes such as converting office or production space into warehousing
2. Process or material changes such as metal stamping of molded plastics
3. Building revisions such as relocated walls, added mezzanines and ceilings added below sprinklers
4. Removal of heating systems in spaces with piping subject to freezing

Where changes in the occupancy, hazard, water supply, storage, commodity, storage arrangement, building modification or other conditions that affect the installation criteria of the system are identified, the owner or occupant shall promptly take steps (such as contacting a qualified contractor, consultant or engineer) to evaluate the adequacy of the installed system in order to protect the building or hazard in question. Where the

evaluation reveals a deficiency causing a threat to life or property, the owner shall make appropriate corrections. All requirements of the authority having jurisdiction shall be followed.

The owner shall maintain records. Records shall indicate the procedures performed (inspection, test or maintenance), the organization that performed the work, the results, the date and the inspector or RME license number. Original records shall be retained for the life of the system. Subsequent records shall be retained for a period of one year after the next inspection, test or maintenance required by the standard.

To avoid false alarms where a supervisory service is provided, the alarm receiving facility shall always be notified by the owner or designated representative before conducting any test or procedures that could result in the activation of an alarm or after such tests or procedures are concluded.

- b. Contractor's Role. In order to fulfill the intent of the owner's role, a specialized contractor may be hired who satisfies the role of employing "personnel who have developed competence through training and experience". The contractor then assumes responsibility for the maintenance, inspection, servicing or installation of the system to the extent expressed in the contract between the two parties. The contractor's inspector or RME shall furnish a license number for all hired work and shall fax a copy of all completed forms to the Licensing Board.
- c. Failure to comply by sending such completed forms shall result in a fine of \$50.00 for the first offense and will add \$50.00 per incident thereafter; second offense is \$100.00; third offense is \$150.00, etc... The Board reserves the right to waive such fines, being subject to the contractor's hearing.
- d. RME Role. All drawings, executed by a contracting firm requires authentication from an RME licensed with the Board who thus signified the drawings have satisfied the requirements of the contract and either have been submitted or approved by the applicable authorities having jurisdiction. The RME is physically involved with insuring the Design Process has been executed in a manner agreeable with the rules and regulations. The RME may perform the role of an inspector in addition to the primary role expressed above.
- e. Installer's Role. The Installer receives approved drawings as signed off by the company's RME and is in charge of installing the sprinkler system according to such drawings. Once completed, the Installer must perform testing and provide documentation for such testing in accordance with the appropriate NFPA standard. The role of this individual is "installation" and this individual's competency falls under the jurisdiction of the company's RME.
- f. Inspector's Role. The Inspector is an experienced and trained individual who is employed by a certified firm to visually examine and verify the installed system appears to be in operating condition and free of physical damage in accordance with the nationally adopted NFPA 25 standard. The Inspector also acts as a liaison and informant for the fire department by signing systems off as described in the tagging system later described in this document. Where the installer's initial installment is covered under the contractor's and manufacturer's warranties the inspector must have the competence to provide assurance that the system components are working properly even after the warranties have been exhausted.

SECTION 4: REGISTRATION, LICENSING, FEES

1. Certificate of Registration

- a. Required. Each firm engaged in the business shall have a certificate of registration issued by the Board
 - i. Each firm shall have at least one full time licensed RME who shall be properly equipped to perform the act or acts authorized by its certificate.
 - ii. Certificate holders shall be responsible for the acts of their agents and employees for purposes of these rules, including the taking of administrative action by the Board.
 - b. Business Location. A specific location shall be maintained by each certified firm which shall be indicated on the certificate.
 - c. Posting. Each certificate shall be posted conspicuously on the premise.
 - d. Change of ownership. The change of a firm's ownership invalidates the current certificate. To assure continuance of the business, an application for a new certificate must be submitted to the Board fourteen (14) days prior to such change.
 - e. Change of corporate officers. Any change of corporate officers must be reported in writing to the Board within fourteen (14) days. This change does not require a revised certificate.
 - f. Duplicate certificates. A duplicate certificate may be issued upon receipt of written notification of the loss or destruction, with out delay, accompanied by the required fee.
 - g. Revised certificate. The change of a firm's name, location or mailing address requires a revised certificate. Certificates requiring changes must be surrendered to the Board within (14) days after the change requiring the revision. The certificate holder must submit written notification of the necessary change with the surrendered certificate accompanied by the required fee.
 - h. Minimum Age. A certificate shall not be issued to any person who is under 18 years of age.
 - i. Termination of Registered firm's RME. Upon termination of a registered firm's RME, the firm shall submit to the Board, in writing, within forty-eight (48) hours and have a full time employee submit for a new RME license within 30 days.
 - j. Nontransferable. A certificate is not transferable from one firm to another.
2. Responsible Managing Employee License.
- a. Required. Each person designated as a responsible managing employee by a certified firm must have a license issued by the Board.
 - b. Full Time Employee. A licensee shall be a full time employee of a certified firm
 - c. Posting. Wall licenses shall be posted conspicuously on the premise of the firm's business location.
 - d. Pocket License. The pocket license is for identification purposes only as long as such license remains valid and the firm reflected on the license employs the license holder.
 - e. Duplicate License. A duplicate license must be obtained from the Board to replace a lost or destroyed license. The license holder must submit written notification of the loss or destruction with out delay accompanied by the required fee.
 - f. Revised License. The license holder must submit written notification of the necessary change with the surrendered license accompanied by the required fee.
 - i. License requiring change(s) dues to a change of home or mailing address must be surrendered to the Board within fourteen (14) days after the change requiring the revision.

- ii. License requiring a change due to a change from one registered firm to another must be submitted in writing to the Board within forty-eight (48) hours.
 - g. Minimum Age. A license will not be issued to any person who is under 23 years of age.
 - h. Restrictions.
 - i. A license does not authorize anyone engaged in the business to enforce these rules or to enter any building without the owner's permission.
 - ii. Licensees shall not permit the use of their license by other persons.
 - iii. A licensee shall not engage in any act of the business unless employed by a certified firm.
 - iv. Nontransferable. A license is not transferable from one person to another.
3. Alteration of Certificates or Licenses. Alteration of such documents renders them invalid and is the basis for administrative action pursuant to Act 743 of 1977 as amended.
4. Applications.
- a. Certificate of Registrations.
 - i. Applications for certificates shall be in writing on forms provided by the Board and accompanied by the required fee.
 - ii. Applications must be signed by the sole proprietor, by each partner of a partnership or by an officer of a corporation or organization, and where applicable, accompanied by evidence of registration as an Arkansas Corporation or evidence of registration with the Arkansas Secretary of State as a foreign corporation. The application shall also include written authorization by the applicant permitting the Fire Marshal or representative to enter, examine and inspect any premises, building, room or establishment used by the applicant while engaged in the business to determine compliance with the provisions of Act 743 of 1977 as amended.
 - b. Insurance Required.
 - i. The Board shall not issue a certificate of registration under these rules unless applicant files with this office proof of liability insurance as required in Act 743 of 1977 as amended.
 - ii. Each certified firm shall maintain in force and on file in the Board's office the certificate of insurance as required. Failure to do so will be cause for action to suspend the firm's certificate.
 - c. Responsible Managing Employee License.
 - i. Original and renewal applications for a license from an employee of a firm engaged in the business shall be on forms provided by the Board and accompanied by the required fee.
 - ii. One of the following documents must accompany the application to evidence technical qualifications for a license:
 - 1. A copy of NICET's notification letter regarding the applicant's successful completion of the examination requirements for certification at Level III for fire protection automatic sprinkler system layout.
 - 2. Individuals applying for a license on or before October 1, 1998 without completing NICET Level III examination requirements may be issued a license, if they otherwise qualify, according to the provisions of Section 6F (3) of Act 702 of 1985. At the time of renewal of such license, applicant must accompany the renewal application with a copy of NICET's notification letter regarding the applicant's successful completion of the examination requirements for certification at Level III.
 - 3. A copy of a diploma showing the completion of a Bachelor of Science Degree in Fire Protection Engineering (or Engineering Technology) from a recognized institution, along with a signed affidavit from an Arkansas Licensed Sprinkler Contractor stating the individual has a minimum of three (3) years subsequent experience in fire sprinkler layout.
5. Examinations.

- a. Each applicant for a license shall take and pass, with at least 90% grade, an examination covering these rules. The Board shall set the content, frequency and location covering these rules and Act 743 of 1977 as amended. In addition to these requirements, Inspectors must pass an examination covering NFPA 25 and NFPA 13.
- b. Applicants not passing the examination must file a re-examination application accompanied by the required fee.
- c. A person whose license has been expired for two years or more and makes application for a new license must take and pass another examination. No examination is required for a license renewed within two years of expiration.

6. Fees.

- a. Every fee required in accordance with the provision of Act 743 of 1977 as amended and these rules shall be paid by money order or check. Money order or check shall be made payable to the Fire Protection Licensing Board.
- b. Fees shall be paid at the office of the Board in Little Rock, Arkansas or mailed to an address specified by the Board.
- c. Fees shall be as follows:

- i. Certificate of Registration

Initial Fee	\$ 700.00
Renewal Fee	\$ 700.00
Application Fee	\$ 100.00
Branch Office (if using different name)	\$ 28.00

- ii. Responsible Managing Employee License

Initial Fee (which includes 1 st exam fee)	\$ 300.00
Renewal Fee	\$ 300.00

- iii. Inspector License

Initial Fee (which includes 1 st exam fee)	\$ 150.00
Renewal Fee	\$ 150.00

- iv. Other Fees

Duplicate/Revised Certificate	
Or License	\$ 25.00
Other requested changes to	
Certificate or License	\$ 25.00
Licensing Packet (non-refundable)	\$ 28.00
Examination Fee	\$ 28.00

- d. Late fees are required of all certificates or license holders who fail to submit renewal applications on or prior to their expiration date.
- e. A renewal application accompanied by the required renewal fee and deposited with the United States Postal Service is deemed to be timely filed, regardless of actual date of delivery, when its envelope bears a legible postmark date which is on or before the expiration date of the certificate being renewed.
- f. A certificate or license expired for two years or more cannot be renewed.
- g. Certificates and licenses expired for less than two years may be issued. Renewal fees for certificates or licenses expired for less than two (2) years are composed of renewal and late fees and shall be determined in accordance with the following schedule:

Expired 1-90 days	1 renewal fee + ½ initial fee	=	Total fee due
Expired 91-365 days	1 renewal fee + 1 initial fee	=	Total fee due
Expired 366 days – 2 years	2 renewal fees + 1 initial fee	=	Total fee due
(Example: 1-90 days late)			
	Company		Renewal fee \$700 + \$350 =\$1050
	RME		Renewal fee \$300 + \$150 =\$450
	Inspector		Renewal fee \$150 + \$75 =\$225

- h. After two (2) years a company would be treated as a new company. RME(s) and Inspector(s) shall re-test to receive a license.

SECTION 5. PROCEDURES

1. Installation, Inspection and Service
 - a. All sprinkler systems installed under Act 743 of 1977 as amended shall be under the supervision of a licensed Responsible Managing Employee.
 - b. Installation of fire systems beginning at the point where water is used exclusively for fire sprinkler systems shall be in compliance with standards adopted herein by a licensed business.
 - c. Installers are to complete the contractor's Material and Test Certificate upon completion of the installation.
 - d. A licensed individual shall distribute a contractor's Material and Test Certificate as follows:
 - i. Original copy retained by the installing Company.
 - ii. Second copy kept at the site after completion of the installation.
 - iii. Third copy to be sent to the insurance authority having jurisdiction within ten (10) days after completion of the installation.
 - iv. Fourth copy to be sent to the Licensing Board.
 - e. A licensed inspector, employed by a certified firm, shall conduct inspections in compliance with NFPA 25. (Forms may be obtained from NFPA 25.)
 1. A written inspection report shall be completed and copies filed with the following:
 - i. Owner, occupant or other designated responsible person
 - ii. Local Fire Authorities having jurisdiction
 - iii. The State Licensing Board
 2. The AFSA or NFSA sample forms in the Appendix of NFPA 25 are MANDATORY FORMS required by the State of Arkansas when inspecting a Fire Sprinkler System. Other inspection forms are not permitted.
 - f. Service which includes maintenance, where required, shall be conducted by a certified firm and in compliance with the appropriate adopted standards.
 - g. Complete records shall be kept of the tests and operations of each system. The records shall be available for examination by the Fire Marshal or his representative.
 - h. Fire Pumps. Fire Pump installation, inspection and/or testing must be performed or officially supervised by a licensed fire sprinkler contractor whose field representative must demonstrate proper training unless the Board has issued a license to an individual who actually performs these services.

A licensed company may elect to utilize a distributor or manufacturer's representative to perform these services provided it is under the supervision of an Arkansas licensed fire sprinkler contractor. Documentation of proper training and/or a letter from a distributor or manufacturer's representative must be submitted to the Board (Reference to Exhibit D, Table B – Outline, this table links to web sites.)

Once the Fire Pump inspection, installation and testing is completed an AFSA for NFSA form shall be completed and furnished to:

- i. the business owner
- ii. the local Fire Marshal's office
- iii. the Licensing Board

and shall be retained by the agency who performed the work. (Reference Act 1073 of 2003 – "Stand Pipes".)

2. Sprinkler System Plans.

- a.. Sprinkler working plans and hydraulic calculations shall be submitted to a reviewing authority, where applicable, for all systems installed in a building prior to completion of installation.
 - b. Subsequent alterations or additions shall be legibly noted on updated plans. When an alteration consists of 20 sprinklers or less and all floor areas were protected to be alteration, updated plans are not required. Updated plans are required for all alterations consisting of more than 20 sprinklers. Additions to systems protecting unprotected areas also require updated plans.
 - c. Plans shall bear the signature of the licensed responsible managing employee, his license number, the date of installation, alteration or addition and the certificate of registration number of the certified firm.
3. Hydraulic Placard Standards and Requirements (See Exhibit “A” for example).
- a. Every new and remodeled system shall receive a self-adhesive hydraulic placard that is to be placed in plain view on the system riser.
 - b. The placards shall be no less than 0.002” in thickness, made of an aluminum foil type material.
 - c. Adhesive shall be 3M or equivalent permanent pressure sensitive backing.
 - d. Size shall be no less than 5” wide by 7” long.
 - e. Each placard shall contain the following information:
 - i. System number
 - ii. Remote area location
 - iii. Number of sprinklers calculated
 - iv. Hazard group
 - v. Commodity protected
 - vi. Maximum storage height
 - vii. Density
 - viii. Design discharge area
 - ix. GMP discharge
 - x. Residual pressure at the base of the riser
 - xi. Un-sprinkled areas of the facility
 - xii. Date of installation
 - xiii. The statement “**DO NOT REMOVE, DESTROY OR OBSTRUCT BY ORDER OF THE STATE FIRE MARSHAL**” in bold type and font size shall be no smaller than 16.
 - xiv. RME name and number
 - xv. Company certificate of registration number
 - xvi. Arkansas Contractors License Number
 - xvii. Fire Sprinkler company name, address and telephone number
 - xviii. Codes, edition(s) and year system installed by
 - f. Wording on the Placard shall be legible and permanent so as not to rub off.
 - g. Samples of your placard shall be sent to the Arkansas Fire Protection Licensing Board for approval at the time of licensing and for renewal of your license each year. License will not be issued without this sample.
4. Overview of the Tagging System
- a. Green Service Tag. Any system that is green tagged is understood to have successfully passed inspection by a licensed individual utilizing the state standard inspection form. All non-emergency impairments must be noted in the comment section of the tag.

- b. Red Tag. Any system that is red tagged is understood to be emergency impaired and therefore would not be acceptable to connect to in the case of emergency operations.
- c. Impairment. A shutdown of a system or portion thereof. The two types of impairments are as follows:
 - i. Emergency. A condition where a water based fire sprinkler system or portion thereof is out of order due to an unexpected occurrence, such as a ruptured pipe, an operated sprinkler, or an interruption of the water supply to the system. All impairments that would interfere with the Fire Department's ability to rely upon the fire sprinkler system's reliability are considered to be Emergency Impairments. (Example: Bad Fire Department Connection Threads, a potential or immediate hazard that jeopardizes water flow conditions in the Fire Department Connection Supply Line.)
 - ii. Pre-planned. A condition where a water-based fire sprinkler system or a portion thereof is out of service due to work that has been planned in advance, such as revisions to the water supply or sprinkler system piping.
- d. Authorized Tag Personnel: Only the following persons are authorized to remove a Green service tag or Red Tag.
 - i. An RME or licensed inspector employed by a certified firm that is properly licensed to sell, service or install fire sprinkler systems in Arkansas and then only when replacing the tag.
 - ii. By order of the State Fire Marshal.
 - iii. By order of the local Fire Authority Having Jurisdiction
 - iv. By order of the State Fire Protection Licensing Board or its designated employee

5. Service Tag (See Exhibit "B")

- a. After installation, service, maintenance or inspection a "service tag" shall be completed in detail indicating all work that has been done and then attached to the system in such a position as to permit convenient inspection and not hamper actuation or operation of the system.
- b. A new service tag shall be attached each time an inspection, service or maintenance is performed and the criteria of the above paragraph exist.
- c. An RME or a licensed inspector will attach a Service Tag when the selected inspection form (AFSA or NFSA format) is completed and emergency impairments have not been found during the inspection. The inspector should consider any special circumstance that reasonably interfered with the proper operation of the Fire Sprinkler System to control or extinguish a fire and shall document such concerns in the "Comment" portion of the form and tag.
- d. Service tags shall be 5 ¼ inches in height and 2 5/8 inches in width. Service tags shall be green in color.
- e. Service tags shall bear the following information:
 - i. Printed at the top of the tag in all capital letter in at least 36 point bold face type will be the following: **"DO NOT REMOVE BY ORDER OF THE STATE FIRE MARSHAL"**.
 - ii. Name, address, telephone number and certificate of registration number of the firm performing the installation, service, maintenance or inspection.
 - iii. Name and license number of the firm's Inspector or RME clearly printed (hand printing not allowed.)
 - iv. Signature of the person performing the work
 - v. Day, month and year the work was completed (may be punched)
 - vi. Type of work performed – installation, service, maintenance or inspection (may be punched)
 - vii. Name and address of property owner where the work was performed.
 - viii. Description and address of the property where the work was performed.
 - ix. Comments (shall include 3 or more lines)

- f. Service tags utilizing a “punch out” system for dating may be printed and established for a period of five (5) years. After each printing one tag shall be sent to the Fire Protection Licensing Board.
 - g. If impairments are found the RME or inspection must notify the building owner or his representative and the authority having jurisdiction of all impairments. In the case of emergency impairments a service tag must not be installed on the system until corrections have been made, at which time the system must be re-inspected until it is found to be free of all emergency impairments.
 - h. No one may remove any tag except authorized personnel as listed in the “Overview of the Tagging System”.
6. Red Tags (See Exhibit “C”)
- a. If impairments are found in the system that constitute an emergency impairment, as defined in NFPA 25, then the RME or the inspector shall complete and attach a Red Tag in such a position as to permit convenient inspection and not hamper actuation or operation of the system. After notifying the owner and discussing the deficiencies, the RME or inspection shall immediately notify the local AHJ by telephone and by sending a copy of the inspection report.
 - b. Red tags shall be the same size as service tags.
 - c. Red tags shall be placed by the licensed RME or inspector and shall bear the following information:
 - i. Printed at the top of the tag in all capital letters in at least 36 point bold face type will be the following: **“DO NOT REMOVE BY ORDER OF THE STATE FIRE MARSHAL”**
 - ii. Name address, telephone number and certificate of registration of the firm performing the installation, service, maintenance or inspection
 - iii. Name and license number of the firm’s inspector or RME clearly printed (hand printing not allowed)
 - iv. Signature of the person performing the work
 - v. Day, month and year the work was completed (may be punched)
 - vi. Type of work performed-installation, service, maintenance or inspection (may be punched)
 - vii. Name and address of the property owner
 - viii. Description and address of property where the work was performed
 - ix. Comment/Deficiencies (shall include 3 or more lines)
 - d. Red tags may be printed and established for any 5-year period. After each printing one tag shall be sent to the Fire Protection Licensing Board.
 - e. No one may remove the Red tag except authorized personnel as listed in the “Overview of the Tagging System”.
7. Backflow Prevention.
- a. Adding Backflow Prevention to Existing Facilities. Where backflow preventers are required to be installed on existing systems, the owner must have the system re-calculated with the loss of the backflow preventer. For pipe schedule systems, the pipe schedule method of evaluating the additional friction loss is acceptable.
 - b. Backflow Prevention Installation. Due to the necessity for hydraulic calculation, all Backflow Preventers that are installed downstream of the point of service must be installed by a certified firm unless otherwise indicated by an Engineer licensed in the State of Arkansas. Backflow Preventers must be hydraulically calculated at the maximum flow condition for the fire sprinkler system.
 - c. Backflow Preventers Installed in Force Pump Supplied. Per NFPA 20, Backflow preventers must be installed downstream of fire pump installation unless required to be otherwise by the State Health Department or local municipalities.

SECTION 6. POWERS AND DUTIES OF THE BOARD

- a. The Fire Protection Licensing Board shall issue no certificate of registration to a firm where the issuance of such license shall be confusing to the public. It shall be the duty of the person requesting a certificate of registration to inquire of the Board concerning the acceptability of the proposed company name.
- b. Enforcement. The failure to comply with provisions of these rules by certificate holders or licensees may subject them to Board action including but not limited to, suspension, fine, revocation or refusal to issue or renew a license or certificate of registration.
- c. Severability. If any provision of these rules or the application thereof to any person or circumstance is held invalid for any reason the invalidity shall not affect the other provisions or any other application of these rules which can be given effect without the invalid provisions or application. To this end all provisions of these rules are declared to be severable.

SECTION 7. BOARD HEARINGS, COMPLAINTS, INVESTIGATIONS

- a. Complaints. Any and all complaints falling within the jurisdiction of the Board, which individual's make, must be in written form. The Board staff will date stamp the complaint and a complaint number will be assigned when received in the Board office.
- b. Investigations. The Board may, on its own motion, initiate investigations. The Board after reviewing the complaint may proceed to investigate the allegations.

The Board in consultation with Board Counsel will determine whether there is sufficient evidence to make a *prima facie* case.

- c. Hearings. If it is determined there is a *prima facie* case, that a licensee or individual has violated laws under the Board's jurisdiction, the Board will cause a Notice of Hearing to be issued. The Notice of Hearing will contain information as required by Arkansas Administrative Procedures Act.

The Notice will be served on the respondent by U. S. Mail or by personal delivery at least twenty (20) days before the scheduled hearing. Notice shall be deemed sufficient if the Notice is mailed to the person at his or her address of record with the Board.

Hearings before the Board shall be presided over by the Chairman, although the Board may from time to time utilize hearing officers. Testimony before the Board shall be made under oath and shall be stenographically reported.

Respondents before the Board shall be entitled to be represented by counsel, shall be allowed to cross-examine witnesses and shall be allowed to present testimony, photographs and other exhibits which are determined to be admissible by the Chairman or Hearing Officer.

At the conclusion of the evidentiary portion of the hearing, the Board will conduct deliberations. At the close of the deliberations, the Board will make Findings of Fact, Conclusion of Law and Disciplinary Orders, if appropriate.

- d. Alternate Proceedings. Prior to proceeding to a formal adjudicative hearing, the case will be reviewed by an ad hoc committee to determine whether summary proceedings should be invoked. Members of the committee will be appointed by the Chairman and will in most cases include the State Fire Marshal, the Board Secretary and/or Investigator and the Board's Legal Counsel. If the Committee determines that violations, if proved, would not warrant license revocation or a fine in an amount greater than one thousand (\$1,000) dollars, the

committee may recommend the complaint be handled in a summary manner. The decision will be referred to the Chairman for acceptance or rejection.

If the Board decides to utilize alternative proceedings, the respondent will be notified by mail that the Board has learned that he or she has engaged in actions which violate the licensing law and it is recommended that under all the circumstances appropriate sanction is a fine of one thousand (\$1,000) dollars or less. The Notice will further inform the respondent that he has a right to reject the proposed fine and have a full evidentiary hearing.

The respondent will be provided with a document which requests that he admit or deny violation of the Licensing Law and to further accept or reject the proposed penalty. The respondent will indicate he understands he has the right to a full evidentiary hearing before the Board and that he elects not to exercise that right.

The Board shall notify, in writing, every licensee complained against, provided said complaint is determined to make out a *prima facie* case.

Any and every Notice, Order or other instrument herein required to be forwarded or sent to any person concerning a complaint or hearing shall be deemed sufficient if addressed to the person at his or her address as last furnished to the Board, in a sealed envelope and delivered by Certified Mail, postage prepaid.

Any and every person appearing before the Board at any of its hearings shall be first placed under oath. All testimony given or statements made to or before the Board shall be stenographically reported and made a part of the record in such case.

At any and all meetings of the Board at which a hearing is to be held on any complaint previously filed the same shall be set down for a day certain by the Board, at least ten (10) days prior to any such hearing date.

The Board shall, at least 20 days prior to any such hearing date, notify all persons entitled to notice thereof, by certified mail of the order of the Board setting such complaint for hearing. Said Notice shall contain the place and approximate time of said hearing, a brief and concise statement of the facts forming the basis of the complaint, the provisions of the law or the rules and regulations thought to be involved therein and shall be executed by the Board, dated and sealed with the official seal of the Board.

Any licensee complained against and to be heard or any complaining witness, may, by written petition signed and dated, invoke the aid of the Board in the procurement of any witness he or she may desire to be present and testify at any such hearing, such petition to be filed with the Board at least five (5) days prior to such hearing date. Any and all cost anticipated must be deposited with the Board at the time of any such request.

Each and every hearing of the Board after being duly called to order, shall begin with a statement by the Chairman or Vice-Chairman, as to the nature of the cause to be heard, an inquiry of the parties present as to whether each is prepared to proceed and thereafter the cause, shall proceed with the presentation of evidence for and on behalf of the complainant. At the conclusion of such evidence the person complained against may then proceed to introduce evidence in contradiction, after which rebuttal testimony may be offered. Either oral or written argument on the issues raised may be called for or dispensed with by the Chairman or discretion of the Board.

The Board shall file its written findings and conclusions as to all hearings, same to be signed by the Board. A copy of such Order shall be sent to the licensee involved by certified mail.

At any hearing both the licensee and complaining witness involved may be present in the hearing room during the entire proceedings and shall have the right to cross-examine any witness and to examine any document or evidence submitted.

The Board will receive into evidence all affidavits, depositions, certified copies of documents, Photostats of official records and exhibits therewith introduced, together with such other evidence as may be administered by law. The Board shall give to such evidence such weight as they shall determine just and proper.

Every pleading, motion or other document and every request to the Board must be filed with the Board in writing, signed, dated and in quadruplicate.

No attorney shall withdraw his appearance in any case before this Board except by leave of the Board after notice served by him or his client and counsel for the Board.

ARKANSAS FIRE PROTECTION LICENSING BOARD

HYDRAULIC PLACARD

EXHIBIT "A"

INSERT

EXAMPLE OF PLACARD

ALL WORDING ON THE PLACARD REMAINS UNCHANGED

ARKANSAS FIRE PROTECTION LICENSING BOARD

EXHIBIT “B”

SERVICE TAG

SERVICE TAG SHALL BE GREEN IN COLOR

INSERT SAMPLE OF SERVICE TAG

ALL WORDING ON THE SERVICE TAG REMAINS UNCHANGED

ARKANSAS FIRE PROTECTION LICENSING BOARD

EXHIBIT “C”

RED TAG

(INSERT SAMPLE OF RED TAG)

ALL WORDING ON THE RED TAG REMAINS UNCHANGED

ARKANSAS FIRE PROTECTION LICENSING BOARD

EXHIBIT “D”

TABLE A

INSPECTOR PREREQUISITE

INSPECTOR PREREQUISITES: To become an inspector one of the experience modifiers listed below must be fulfilled, along with any requirements, such as testing as indicated in the rules and regulations.

- Receive an Inspector License issued by this State prior to January 1, 2003
- NICET Level III Certification for Automatic Fire Sprinkler Layout
- NICET Level II Certification for Automatic Fire Sprinkler Layout with 6 years of experience
- NICET Certification for Inspection and Testing of Water Based Systems
- NFPA Certified Fire Inspector I (CFI) and 6 months experience
- B. S. Degree in an Abet Fire Protection Degree with 6 months of experience
- Apprenticeship Level III with 6 months of experience
- Apprenticeship Level II with 1 year of experience
- Apprenticeship Level I with 2 years of experience
- AFSA course on NFPA 25 with 1 year of experience
- NFSA 3-Day Inspection and Testing Technician NICET Level II Study Review Seminar and ITM for Water Based Fire Protection with 6 months experience
- Obtained the title and wages of “Foreman” by a certified firm for 3 years and passed tests over NFPA 13 and NFPA 25 administered by this Board
- Received Education and/or experience in a fire protection related field for 3 years along with 2 years experience and pass tests over NFPA 13 and NFPA 25 administered by this Board
- NICET Certified Inspector with 6 months experience
- OSU: Fire Sprinkler Inspector Training and Certification and Inspection, Testing and Maintenance of Automatic Sprinkler System with 6 months of experience.

Time Requirements: Above are based on a 40 hour week average

EXPERIENCE means installation or apprenticeship whereby one has worked with individuals who are recognized by the State as Competent Installers or Inspectors of Fire Sprinkler works. RMEs are accountable for making sure the installers have adequate exposure to testing and other inspector related job functions before endorsing them to the Board.

TABLE B

FIRE PUMP PREREQUISITES

FIRE PUMP INSPECTOR PREREQUISITES: Examples of proper training for Fire Pump Servicing include:

- NICET Certification as listed above and training by a Fire Pump Manufacturer
- OSU: Industrial Fire Pumps
- AFSA: Fire Pump Acceptance Testing and NFPA 20
- NFSA: Fire Pumps for Fire Protection Course with 9 months of experience

