

## Fire System & Life Safety Services



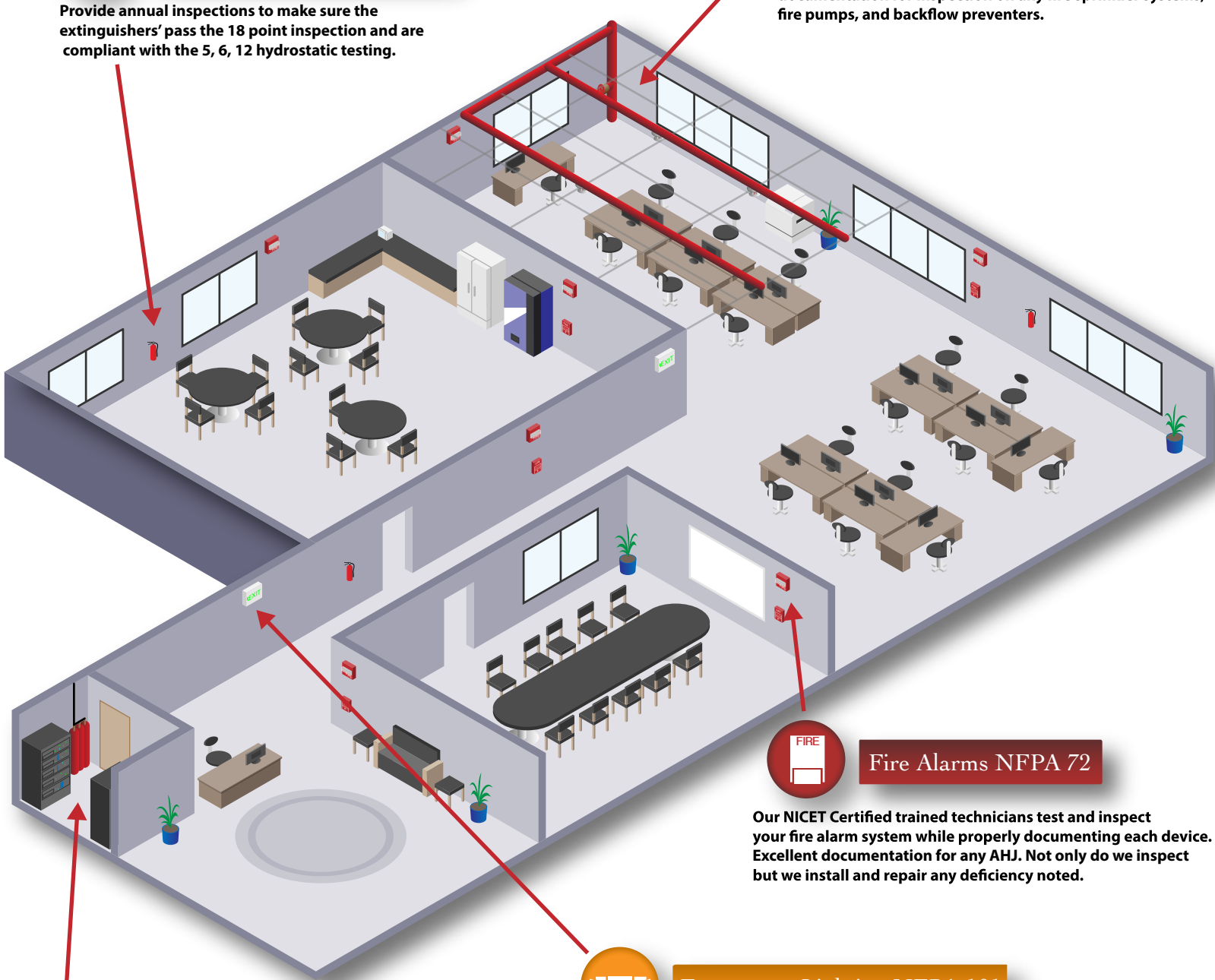
### Fire Extinguishers NFPA 10

Provide annual inspections to make sure the extinguishers' pass the 18 point inspection and are compliant with the 5, 6, 12 hydrostatic testing.



### Sprinklers & Fire Pumps NFPA 25

Following NFPA standards we will provide the proper documentation for inspection on any fire sprinkler systems, fire pumps, and backflow preventers.



### Fire Alarms NFPA 72

Our NICET Certified trained technicians test and inspect your fire alarm system while properly documenting each device. Excellent documentation for any AHJ. Not only do we inspect but we install and repair any deficiency noted.



### Emergency Lighting NFPA 101

Our inspectors will test and inspect following the NFPA code to make sure the emergency lights and exit signs stay illuminated for at least 90 minutes. We will make sure you are not left in the dark!




### Clean Agent Fire Suppression NFPA 2001

Perform the semi-annual inspection to make sure your suppression system is functioning to protect your assets.


# NFPA Code Requirements for Inspection and Testing

## Weekly/Monthly

 **Emergency Lights / Exit Signs** .....NFPA 101  
30 Second Quick Check and Battery Check


 **Fire Pump** .....NFPA 25  
System Procedures: Weekly, Diesel 30 Min.  
Monthly, Electric 10 min.

## Quarterly

 **Sprinklers** .....NFPA 25  
Mechanical Water Flow Devices  
Valves, Valve Components  
Low Air Pressure Alarms;  
Quick Opening Devices, Priming Water


## Semi-Annually

 **Clean Agent Suppression** .....NFPA 2001  
Agent Quantity and Pressure

 **Hood Suppression System** .....NFPA 17A  
Full Function Test of Hood Fire Suppression  
Test Mechanical releasing Devices,  
Change Fusible Links Test for Required Cleaning


 **Sprinklers** .....NFPA 25  
Mechanical Water Flow Devices  
**Valves, Valve Components**  
Low Air Pressure Alarms;  
Quick Opening Devices, Priming Water

## Annually


 **Clean Agent Suppression** .....NFPA 2001  
All System devices (Detection, Pull Stations, Abort Stations, Discharge Circuits, Audible/Visual Devices) Shall be thoroughly tested Agent Quality and Pressure Shall be Verified to Design Specification Agent Distribution Piping Network Integrity Verified, Function Test, All-Detection, Actuating Input, Alarm-Sounding or Displaying Devices, Remote Annunciators, Air-Handling Shutdown, and Power Shutdown Relays per Original Design

 **Emergency Lights/exit Signs** .....NFPA 101  
90 Minute Drain Test and Inspection, Verification of Charge Voltage, Alignment of Heads, Hazard Assessment, Inspection Sticker, Required Paperwork

 **Fire Alarm Systems** .....NFPA 72  
**Control Equipment: Building Systems Connected to Supervising Station**  
Functions, Fuses, Interface Equipment, Lamps & LEDs,  
Primary (Main) Power Supply, Transponders  
**Batteries**  
**Emergency Voice/Alarm Communications Equipment**  
**Remote Annunciators**  
**Initiating Devices**  
Duct Smoke Detectors, Electromechanical Releasing Devices  
Fire Extinguishing System(s) or Suppression System(s) Switches  
Fire Alarm Boxes (Pull Stations)  
Detectors: Smoke, Heat, Gas, Flame & Others  
**Alarm Notification Devices**  
Audible Devices, Visible Devices  
**Supervising Station Fire alarm Systems-Transmitters**  
DACT, DART, Special Procedures

 **Hood Suppression System** .....NFPA 17A  
Full Function Test of Hood Fire Suppression  
Test Mechanical releasing Devices,  
Change Fusible Links Test for Required Cleaning

 **Portable Fire Extinguishers** .....NFPA 10  
Maintenance: Conductivity Test of all Carbon Dioxide Hose Assemblies.  
Ensure in Proper Operating Condition. Safety Seats, Tags, Pressure Gauge Reading, HMIS Table. Empty and Recharge all Stored Pressure Loaded Stream Fire Extinguishers

 **Sprinklers** .....NFPA 25  
Main Drain, Antifreeze Solution  
**Valves, Valve Components**  
Pressure Reducing Valves/Relief Valves (Part Flow)  
Master Pressure Reducing Valves (Full Flow)  
Control Valves, Dry System, Partial Trip Test, Deluge, Preaction Full Trip Test  
Air Maintenance Device  
**Backflow Prevention Assemblies**  
Full Forward Flow Test  
**Standpipe**  
Main Drain Test, Hose Valves (All Types)  
**Private Fire Service**  
Monitor Nozzles, Hydrants  
**Fire Pump System**  
Full Flow, Annual Maintenance  
**Spare Sprinkler Cabinet**  
Spare Heads, Sprinkler Wrench

## 3 Year Cycle


 **Fire Alarm Systems** .....NFPA 72  
Change Out Batteries as recommended by Manufacturer


 **Sprinklers** .....NFPA 25  
Dry System Full Flow trip Test

## 5 Year Cycle

 **Clean Agent Suppression** .....NFPA 2001  
Test Discharge Hose  
Check Valves Tested, Change Initiators

 **Fire Alarm Systems** .....NFPA 72  
Change Out of Batteries Required


 **Portable Fire Extinguishers** .....NFPA 10  
Hydrostatic Testing of Carbon Dioxide, Wet Chemical and Foam  
Hydrostatic Testing of Cartridges Associated With Portable Fire Extinguishers and Wheeled Units  
Hydrostatic Testing of Carbon Dioxide Hoses Equipped with a Shut-Off Valve

 **Sprinklers** .....NFPA 25  
Gauges- Test or Replace  
Sprinklers- Extra-high Temperature/ Corrosive Atmosphere  
Check Valves- Test or Replace  
**Standpipe-Full Flow Test Remote Point**  
Hose Connection  
Hydrostatic Test Manual/Dry Standpipes  
**Standpipe Hoses**  
5 Year Test for New Hoses and Every 3 Years Thereafter  
**Valve, Valve Components**  
Pressure Reducing Valves/Relief Valves (Full Flow)  
**Private Fire Service**  
Full Flow Test

## 6 Year Cycle

 **Portable Fire Extinguishers** .....NFPA 10  
Stored-Pressure Extinguishers Requiring 6 Year Internal Examination

## 12 Year Cycle

 **Hood Suppression System** .....NFPA 17A  
Hydrostatic Testing, Cylinder, Replacement of Cartridge, Regulator Test  
Wet Chemical Containers  
Hose Assemblies

 **Portable Fire Extinguishers** .....NFPA 10  
Hydrotest of Dry Chemical and Clean Agent Extinguishers  
Hydrotest of Dry Chemical Hose Equipped with a Shut-Off Valve

## Long Term Cycles

 **Clean Agent Suppression** .....NFPA 2001  
CGA (Compressed Gas Actuator)  
Change Out at 10 Years and Every 10 Years Thereafter

 **Sprinklers** .....NFPA 25  
**Response Standard**  
Standard Sprinkler Head at 50 Years and Every 10 Years Thereafter  
**Dry Type**  
Sprinkler Head at 10 Years and Every 10 Years Thereafter  
**Quick**  
Quick Response Head at 20 Years and Every 10 Years Thereafter



**Communication Company**  
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