



Sustainable Solutions for Efficient Environments

A New York State and Federally certified WBE Company

# Fire Life Safety Testing SAVES LIVES.

ANSI ACCREDITED

FIRE & SMOKE DAMPER TESTING

ICB CERTIFIED FIRE LIFE SAFETY TECHNICIANS

## FIRE LIFE SAFETY

Properly working fire and smoke dampers can help prevent the spread of smoke and toxic gases, **THE LEADING CAUSE OF DEATH FROM FIRE.**

**REMEMBER:** THIS IS ABOUT PREVENTION AND SAFETY. IT IS IMPORTANT TO ADDRESS A POTENTIAL PROBLEM BEFORE IT BECOMES ONE

### DID YOU KNOW?

Mechanical Testing Inc. has Fire Life Safety Certified technicians.

### WHAT DOES THAT MEAN?

During an event such as a fire or other emergency that introduces pollutants into the air, HVAC ductwork can act as a gateway by circulating smoke and toxins throughout a building, even to offices far away from the fire. If you have built-in smoke and fire dampers this can be prevented from happening. The successful operations of fire life safety building systems could mean the difference between a small fire and an uncontrollable fire with extensive damage. Most of them could be found, repaired and prevented by a proper hands-on inspection by Certified HVAC Fire Life Safety professionals.

### Keep your building protected.

For more details **CALL US: 518.450.7292**

WE PROVIDE FIRE LIFE SAFETY TESTING — OUR GOAL IS TO **TO PROVIDE SAFETY TO FIREFIGHTERS AND EMERGENCY RESPONDERS AS WELL AS PROVIDE A REASONABLE LEVEL OF LIFE SAFETY AND PROPERTY PROTECTION FROM THE HAZARDS OF FIRE IN NEW AND EXISTING BUILDING STRUCTURES AND PREMISES.**

MECHANICAL TESTING INC.

CELEBRATING 50 YEARS!



## ANSI ACCREDITATION: THE PERFORMANCE ASSURANCE

**ANSI** (American National Standards Institute) accredits standards developed by organizations such as IBC (International Certification Board), providing credible, independent third-party performance verification.

More and more, engineers, architects, general contractors, and government entities are demanding proof of qualifications. ANSI accreditation make evident that ICB/TABB-(TESTING ADJUSTING AND BALANCING BUREAU) certified HVAC technicians, supervisors, and contractors have the credentials to show they are the best in the testing & balancing industry.

### ANSI ACCREDITATION:

- Signals that an organization desires to have a competitive advantage by undergoing a voluntary evaluation
- Encourages marketplace confidence by the organization's willingness to undergo regular impartial and independent audits by an internationally respected body
- Positively influences customer satisfaction
- Sustains continual improvement through the assessment of system effectiveness, efficiency, and competence

## INSPECTION AND MAINTENANCE

As with any building system, inspection and maintenance of components is essential to proper operation. This is especially true of a fire life safety system!



### FIRE DAMPER

A fire damper closes once the duct temperature reaches a high enough level to melt a fusible link.



### SMOKE DAMPER

A smoke damper closes upon the detection of smoke.



### FIRE/SMOKE DAMPER

Fire smoke dampers close not only upon high duct temperature but also upon the detection of smoke.

### HOW OFTEN SHOULD THESE BE INSPECTED ?

Protection Association NFPA 105: *Standard for Smoke Door Assemblies and Other Opening Protectives* states each damper shall be tested and inspected one year after installation. The test and inspection frequency shall then be every 4 years, except in hospitals, where the frequency shall be every 6 years.

*The code also states that the damper shall be actuated and cycled.*

### HOW DO YOU KNOW THAT A BUILDING'S FIRE AND SMOKE DAMPERS WERE REALLY INSPECTED?

Any company can claim to perform proper inspections of fire life safety systems. But only firms that use International Certification Board HVAC Fire Life Safety Technicians deliver the goods.

### HERE'S WHY:

- IBC-certified Fire Life Safety technicians are trained to inspect, test, maintain and repair fire and smoke dampers according to fire life safety codes
- Through inspection and testing IBC-certified technicians ensures compliance with NFPA 80 and NFPA 105
- IBC-certified technicians provide comprehensive documentation showing every inspection point and procedure
- IBC-certified technicians stay abreast of skills and technological advances
- The IBC certification is your assurance that the HVAC Fire Life Safety Technician is the best in the business

