

FIRE SMOKE DAMPER TESTING

We help building owners, operators, and facility staff test and diagnose their systems by providing:

- Field investigation and device labeling
- Building HVAC system drawings documenting damper locations
- Damper testing spreadsheet listing access requirements
- Sorted photo log of FSD components and damper functions
- Actionable plan of corrections list

Fire Life Safety (FLS) systems are a vital component in existing and new construction. Of these, Fire Smoke Dampers (FSD) are among the most critical. Dampers are located at HVAC duct penetrations through fire rated walls, ceilings, and floors. These devices help compartmentalize fire and smoke—giving occupants time to exit the facility and minimize building damage in the case of a fire.

Code enforcement of Fire Smoke Damper testing by federal, state, and local Authorities Having Jurisdiction (AHJ) has broadened from healthcare to:

- **Assisted Living and Acute Care facilities**
- **Transitional and Rehabilitation facilities**
 - **Commercial buildings**
 - **Educational institutions**

NorthWest Engineering Service Inc.'s substantial background in Commissioning (Cx) and Testing, Adjusting, and Balancing (TAB) has put us in a unique position to execute audit surveys of HVAC systems, identify and functionally test all Fire Smoke Dampers, and provide documentation to meet AHJ requirements.

