



PREACTION DETECTION & CONTROL INSPECTION & FUNCTIONAL TEST PROCEDURE

Work Scope:

Perform functional test of preaction system detection and control, including smoke detectors, manual stations, abort stations, initiating devices, releasing devices and auxiliary control functions per procedures below.

Procedures:

Smoke Detector

Activate two smoke detectors in each zone by canned smoke to verify 1st alarm, pre-discharge and discharge conditions. Verify alarm conditions at control panel.

Container Assembly & Pre-Action Valve

Verify activation of container actuation circuit and activation of pre-action solenoid

Manual Release

Activate each Manual Release and verify receipt of alarms at the control panel.

Abort Station

Activate each Abort Station and verify time delay halt at the control panel.

Pre-Action Valve Tamper

Activate the pre-action valve and verify receipt of supervisory signal at the control panel

Pre-Action Low Air Switch

Activate the pre-action low air switch and verify receipt of supervisory signal at the control panel

Pre-Action Waterflow Switch

Activate the pre-action waterflow switch and verify receipt of alarm signal at the control panel

Notification Devices

Panel will be put into alarm to verify that all notification devices are functional.

Auxiliary Functions

Activate all auxiliary functions to verify operation (i.e. door closers, elevator recall or shunt trip, HVAC shut down, smoke purge, etc...).