

**Inspection of Installed Fire Detection and Suppression Systems
185th Air Refueling Wing
Sioux City, Iowa**

STATEMENT OF WORK

Inspection procedures for buildings at the 185th ARW with installed fire detection and suppression systems.

The buildings at the 185th ARW equipped with installed fire detection and suppression systems shall be inspected in accordance with the:

**UFC 3-601-02
UNIFIED FACILITIES CRITERIA (UFC)
FIRE PROTECTION SYSTEMS INSPECTION,
TESTING, AND MAINTENANCE
07 October 2021**

The following buildings will be inspected under this contract:

- 220-221 (Civil Engineering)
- 234 (Base Gym/AGE Storage)
- 235 (Jet Engine Repair Shop)
- 240, 242, 243, and 245 (POL Complex)
- 241 (Regional Paint Facility)
- 247 (Liquid Oxygen Building)
- 251 (Base Network Control Center)
- 252 (AGE Maintenance Shop)
- 253 (Flight Line Maintenance Building)
- 254 (Base Operations)
- 261 (Aircraft Maintenance Hangar)
- 265 (Dining Hall/Clinic)
- 269 (Headquarters Building)
- 278 (Fuel Cell Repair Hangar)
- 280-281 (Base Supply)
- 282 (Hazardous Materials Storage)
- 283 (Vehicle Maintenance)
- 284 (Security Forces)
- 286 (Fire Department)

The inspector shall provide a specific listing of items that fail to meet the inspection criteria. This list of installed system deficiencies will include specific location of items within the building, type of device (heat, smoke, or pull station), manufacturer, and model number, and the requirement that was not met.

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List of Facilities and Systems:

220-221 (Civil Engineering)

The facility has a wet system that is fed off the domestic water supply with 1 sprinkler head located in the paint storage room. The facility has 62 heats, 15 pull stations, and 1 duct detector. Building 221 reports to the fire alarm panel in 220.

234 (Base Gym/Age Storage)

The facility has 11 heats, 4 smokes, 2 pull stations, and 2 horn/strobe combinations.

235 (Jet Engine Repair Shop)

The facility has 28 heats, 1 smoke, 5 pull stations, 1 duct detector, 1 door holder, and 1 fan shutdown.

240 (POL Administration)

The facility has 9 heats, 1 smoke, and 3 pull stations.

241 (Regional Paint Facility)

The facility has wet system, foam spray system, fire pump, 112 heats, 9 pull stations, and 9 solenoids.

242 (POL Electric Shed)

The facility has 1 smoke, and 1 pull station. Reports to building 240

243 (POL Storage Shed)

The facility has 1 smoke, and 1 pull station. Reports to building 240

245 (POL Pump House)

The facility has a wet system, 15 heats, 2 smokes, and 6 pull stations. The building has its own panel but reports to building 240.

247 (Liquid Oxygen Building)

The facility has 1 heat, 1 smoke, and 1 pull station.

251 (Base Network Control Center (BNCC))

The facility has pre-action system (wet), 6 smokes, 1 pull station, and 4 horn/strobe combinations.

252 (AGE Maintenance Building)

The facility has a wet system, 27 heats (will need JLG to test), 1 smoke, 2 duct detectors, and 12 pull stations.

253 (Flightline Maintenance Building)

The facility has 45 heats, 2 duct detectors, and 6 pull stations.

254 (Base Operations)

The facility has a wet system, 2 hood systems, 127 heats, 3 duct detectors, 13 pull stations, and 5 VESDA (very early smoke detection system).

261 (Aircraft Maintenance Hangar)

The facility has a wet system, 2 fire pumps, 226 heats (will need JLG to test hangar bay area), 3 smokes, 16 duct detectors, and 12 pull stations.

265 (Dining Hall/Clinic)

The facility has a wet system, 2 hood systems in kitchen area (will need to be done semi-annual), 1 heat, 6 smokes, 11 pull stations, 5 duct detectors, and 3 remote annunciator panels.

269 (Headquarters)

The facility has 89 heats, 11 smokes, and 8 pull stations.

278 (Fuel Cell Maintenance Hangar)

The facility has a wet system, 2 fire pumps, 56 heats (will need JLG to test hangar bay area), 1 smoke, 6 duct detectors, and 13 pull stations.

280 (Base Supply)

The facility has 2 wet systems, 1 dry system (covers building 281), 79 heats, 12 smokes, 1 duct detector, and 7 pull stations.

281 (Hazardous Materials Pharmacy)

The facility has dry system (sprinkler riser in building 280), 6 heats, 2 smokes, 4 pull stations, 3 bells, and 2 horn/strobe combinations. The building fire alarm reports to building 280.

282 (Hazardous Materials Storage)

The facility has 2 heats, 1 pull station, and 1 horn/strobe combination.

283 (Vehicle Maintenance)

The facility has a wet system, dry system (for vehicle storage area), 31 Heats (will need JLG to test in maintenance area), 4 smokes, and 13 pull stations.

284 (Security Forces)

The facility has a wet system, pre-action system in the gun vault, 10 smokes, 7 duct detectors, 6 pull stations, and horn/strobe combinations.

286 (Fire Department)

The facility has a wet system, 13 heats (2nd floor dorm rooms), 22 smokes, 10 pull stations, and horn/strobe combinations.

**Inspection of Installed Fire Detection and Suppression Systems
185th Air Refueling Wing
Sioux City, Iowa**

Individual List of Buildings and Testing Criteria

220-221 (Civil Engineering)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt.

Pull Stations

- Operate to verify alarm receipt.

Duct Detector

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

234 (Base Gym)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt.

Pull Stations

- Operate to verify alarm receipt

235 (Jet Engine Repair Shop)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Duct Detector

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Pull Stations

- Operate to verify alarm receipt

240 (POL Administration)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

242 (POL Electric Shed) Reports To Building 240

Initiating Devices

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

243 (POL Storage Shed) Reports To Building 240

Initiating Devices

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

245 (POL Pump House) Reports To Building 240

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and LED's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

Wet Pipe Sprinkler System**Control Valves (locked or supervised)**

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstruction

241 (Regional Paint Facility)**Fire Alarm Panel and Annunciator Equipment**

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and LED's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices**Heat Detectors (those required by MIL-HNBK-1008)**

- Test with heat source to verify alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

Sprinkler Systems Control Valves (supervised)

- Verify valve is in open position
- Operate valve through entire travel to verify function
- Lubricate stem

Actuators

- Verify operability of manual and automatic actuators

Distribution System

- Verify nozzle (head) coverage during flow test
- Inspect piping hangers, heads, and nozzles for condition and location

Fire Pumps**Control Valve**

- Operate and lubricate valves to ensure operability

Controllers

- Calibrate pressure switches
- Exercise circuit breakers and switches to verify operability
- Inspect fuses

Pumps

- Check coupling alignment to ensure shaft aligned
- Check pump shaft end play
- Lubricate bearings
- Lubricate couplings
- Lubricate right-angle drives

Pressure Gauges

- Check reading and verify gauge operability

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

247 (Liquid Oxygen Building)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and LED's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

251 (Base Network Control Center)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and LED's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

Pre-Action Automatic Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Pre-Action Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition
- Trip to verify proper operation
- Inspect internal condition and clean valve seat before resetting

252 (AGE Maintenance Building)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Duct Detector

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Pull Stations

- Operate to verify alarm receipt

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

253 (Flight Line Maintenance Building)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Duct Detectors

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Pull Stations

- Operate to verify alarm receipt

254 (Base Operations)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

VESDA (Very early smoke detection system)

- Test with aerosol smoke to verify smoke entry and alarm initiation and receipt

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

Hood System

Piping

- Inspect piping for obstructions and proper support

261 (Aircraft Maintenance Hangar)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Duct Detector

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Pull Stations

- Operate to verify alarm receipt

Fire Pumps

Control Valve

- Operate and lubricate valves to ensure operability

Controllers

- Calibrate pressure switches
- Exercise circuit breakers and switches to verify operability
- Inspect fuses

Pumps

- Check coupling alignment to ensure shaft aligned
- Check pump shaft end play
- Lubricate bearings
- Lubricate couplings
- Lubricate right-angle drives

Pressure Gauges

- Check reading and verify gauge operability

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position

- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

265 (Clinic/Dining Facility/COMM)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Duct Detectors

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Pull Stations

- Operate to verify alarm receipt

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

Hood System

Piping

- Inspect piping for obstructions and proper support

Storage Vessels

- Inspect agent container for condition
- Verify storage pressure of propellant
- Conduct hydrostatic test for pressure cylinders IAW OSHA and DOT standards

Agent

- Verify quantity and quality of agent

Actuators

- Inspect manual actuators for accessibility
- Replace detection devices (fusible links or heat detectors)
- Test actuation system without agent release
- Verify interfaces (gas shutoff, power shutoff) operate properly

269 (Headquarters Building)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

278 (Fuel Cell Repair Hangar)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Duct Detector

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Pull Stations

- Operate to verify alarm receipt

Actuators

- Verify all manual and automatic actuators function

Fire Pumps

Control Valve

- Operate and lubricate valves to ensure operability

Controllers

- Calibrate pressure switches

- Exercise circuit breakers and switches to verify operability
- Inspect fuses

Pumps

- Check coupling alignment to ensure shaft aligned
- Check pump shaft end play
- Lubricate bearings
- Lubricate couplings
- Lubricate right-angle drives

Pressure Gauges

- Check reading and verify gauge operability

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

280-281 (Base Supply)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Duct Detector

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Pull Stations

- Operate to verify alarm receipt

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

Dry Pipe System**Control Valve**

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve stem

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch

Dry Pipe Alarm Valve and Trim

- Visually inspect exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Trip valve to verify operability
- Inspect internal condition before resetting and clean valve seat
- Check priming water level (before and after trip test)

Main Drain

- Conduct main drain test to verify supply

Quick Opening Devices

- Test to verify operability

Low Air Pressure Alarm

- Test to verify initiation and receipt of supervisory alarm

Automatic Air Pressure Maintenance Devices

- Inspect to verify proper operation

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

282 (Hazardous Materials Storage)**Fire Alarm Panel and Annunciator Equipment**

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices**Heat Detectors (those required by MIL-HNBK-1008)**

- Test with heat source to verify alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

283 (Vehicle Maintenance)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Heat Detectors (those required by MIL-HNBK-1008)

- Test with heat source to verify alarm initiation and receipt

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

Dry Pipe System

Control Valve

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve stem

Waterflow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch

Dry Pipe Alarm Valve and Trim

- Visually inspect exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Trip valve to verify operability
- Inspect internal condition before resetting and clean valve seat
- Check priming water level (before and after trip test)

Main Drain

- Conduct main drain test to verify supply

Quick Opening Devices

- Test to verify operability

Low Air Pressure Alarm

- Test to verify initiation and receipt of supervisory alarm

Automatic Air Pressure Maintenance Devices

- Inspect to verify proper operation

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

284 (Security Forces)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Duct Detector

- Operate to verify receipt. (IAW NFPA 72 10.4.3)

Pull Stations

- Operate to verify alarm receipt

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

Pre-Action Automatic Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Pre-Action Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

- Trip to verify proper operation
- Inspect internal condition and clean valve seat before resetting

286 (Fire Department)

Fire Alarm Panel and Annunciator Equipment

- Test to verify proper receipt of alarm supervisory and trouble signals (inputs) and operation of notification appliances and auxiliary functions (outputs).
- Verify all lamps and Led's are illuminated.
- Load test backup batteries (when provided)

Initiating Devices

Smoke Detectors (those required by MIL-HNBK-1008)

- Test with smoke or aerosol to verify smoke entry and alarm initiation and receipt

Pull Stations

- Operate to verify alarm receipt

Wet Pipe Sprinkler System

Control Valves (locked or supervised)

- Verify valve position
- Operate valve through entire travel to verify function
- Lubricate valve and stems to ensure operability

Water Flow Alarm Devices

- Operate to verify initiation and receipt of alarm
- Verify alarm test valve alignment and tamper switch (if supervised)

Alarm Valve and Trim

- Visually check exterior of valves, gauges, and trim alignment
- Verify valve pressure and legibility of hydraulic nameplate
- Clean and inspect internally to verify condition

Main Drain

- Conduct main drain test to verify supply (valve position)

Fire Department Connection

- Verify accessibility and condition
- If caps removed or missing check for obstructions

Mass Notification System

Annual testing of (18) Mass Notification Systems with documentation done on NFPA 72 approved forms

- BLDGs 220, 234, 235, 240, 241, 251, 252, 253, 254, 261, 265, 269, 278, 280, 283, 284, 286, 311

Fire Alarm Control Panels with Integrated Mass Notification OR Stand-Alone Systems

- Test to verify proper receipt of signals (inputs) from Local Operating Consoles (LOCs) and the Installation's site-wide system and operation of notification appliances and auxiliary functions (outputs)
- Verify that all lamps and LEDs are illuminated
- Load test backup batteries using a meter (when provided)
- Verify condition of power supplies and batteries
- Resolve any trouble indications

LOCs

- Verify station is accessible

Notification Appliances and Voice Communication (speakers and strobe lights)

- Test to verify operability