

SDSD Detention Services Bureau—Las Colinas Detention and Reentry Facility Green Sheet

DATE:	APRIL 30 , 2022
NUMBER:	H.5.L
SUBJECT:	FIRE/SMOKE DETECTION SYSTEMS

PROCEDURE

I. FIRE ALARM SYSTEMS

A. Las Colinas Detention and Reentry Facility (LCDRF) has an automated fire alarm system. There are six ways an alarm can be activated.

1. Smoke detector
2. Manual pull station
3. Heat detector
4. Water flow switch in sprinkler system
5. Pre-action sprinkler system
6. Clean agent (FM2000)

B. When the fire alarm system is activated, an audible alarm will sound in central control (CC). The annunciator panel system located in CC will display the location of the fire/smoke/heat detector activated.

C. The deputy assigned to CC will silence the alarm and notify all sworn staff via facility radio of the location of the fire and/or smoke. If a fire alarm sounds, follow emergency procedures for a fire. Locate which detector has been activated. When it has been determined that there is no fire, or the fire has been suppressed, CC will reset the alarm system. This is accomplished at the annunciator panel in CC. If the panel display indicates "trouble" press acknowledge. If the panel display indicates "alarm" press signal silence. This will stop the bells from ringing. If facility maintenance personnel are available, they can be called to reset the alarm. Maintenance and the electronic security system technician (ESST) will be able to locate and correct any failures in the system.

D. The fire alarm is not linked to the fire department. If there is an actual fire the CC deputy must call 911 for the fire department.

II. SMOKE DETECTORS

A. Smoke detectors are located throughout the facility based on occupancy and rating of the building. If the detector does not work properly, a trouble alarm will activate on the annunciator panel. The CC deputy will notify maintenance and/or the administrative deputy as soon as possible.

B. The smoke detectors are connected in groups, but if one detector is activated the

annunciator will specify the location of the device in use.

III. MANUAL PULL STATIONS

- A. There are red and white pull stations located in secure areas such as deputy stations and the administration building. Pulling down the handle activates these devices.
- B. The fire alarm system must be activated upon discovery of a fire or in the presence of smoke in the facility.
- C. The alarm is not directly linked to the fire department. The CC deputy must make the necessary calls.

IV. HEAT DETECTORS

Another device used to detect a fire is the heat detector. Heat detectors work by alarming at a fixed temperature of 135 degrees. Heat detectors are used where it would be impractical to use smoke detectors. Heat detectors are found in areas such as showers and where excessive amounts of dust are common.

V. WATER FLOW SWITCH SPRINKLER SYSTEM

There are sprinkler systems throughout the facility. The fire sprinkler system is automatically activated once high temperatures are reached. Once the sprinkler head starts to spray water, the water pressure change activates the audible alarm outside the affected building. A fire alarm will sound in CC and in public areas of the affected building.

VI. AUDIBLE/ VISUAL STROBE LIGHT

The visual strobe light devices are located throughout the facility (except in incarcerated person living areas) in areas such as deputy stations and the administration building. Once a fire or smoke is discovered, the kitchen and public areas will produce a high pitch sound and the strobe light will flash.

VII. PRE-ACTION SPRINKLER SYSTEM

The pre-action sprinkler system located in **Safety/Security Interests - 7922.000**

_____ The pre-action sprinkler system will be activated when heat and the presence of smoke is detected. The alarm will be activated in CC and the public areas of the affected building.

VIII. CLEAN AGENT (FM2000)

The clean agent system is a gas suppression system located in **Safety/Security Interests - 7922.000**

_____ These areas shall not be entered when alarm is sounding. These areas must be ventilated prior to re-entry.

IX. FIRE ANNUNCIATOR PANELS

Fire annunciator panels are located in the following locations:

- A. Each deputy control station
- B. Fire response room
- C. Central control

Fire annunciator panels show the general location of the fire.

X. INSPECTIONS AND MAINTENANCE

- A. Inspections for the smoke/heat detectors are conducted once a month. Every team in LCDRF has two assigned fire safety deputies. Once a month the deputies check for physical damage of the devices and verify that the automated system is conducting routine checks.
- B. When damage or inoperable devices are found, the facility training sergeant/fire safety officer (FSO) shall be notified as soon as possible. The facility training sergeant shall notify the operations deputy.
- C. Due to the location of the buildings in this facility, preventative maintenance is conducted by section instead of by date but kept within the required annual time frame.
- D. Once a year an ESST conducts a fire/smoke/heat detector's device test to ensure the whole system is working properly. The ESST conducts annual testing of the fire sprinkler system, making necessary documentation and log entries for future references.