

ATTACHMENT B SPECIFICATIONS

To establish a contract to provide all equipment, labor, and tools necessary to perform, at 100%, the one (1) time annual mandatory testing and inspection, as well as sensitivity testing when required, on all fire alarm systems located at:

Dixon Correctional Institute (DCI)
5568 Hwy 68
Jackson, LA 70748

As per the Louisiana State Fire Marshal Act #268.

****Note:** Sensitivity testing is only required every three (3) years. Sensitivity testing was last performed in 2013. Sensitivity testing will be required in FY17 beginning July 1, 2016 (see line #2 for pricing in the year that sensitivity testing is required).

After each system is tested & inspected, the appropriate tag shall be placed in each fire alarm control panel designating each system's compliance/impairments/failures.

Upon completion of all system's tests & inspections, the contractor shall supply DCI with a computer generated report detailing the results of the testing & inspecting procedure. This report shall include each individual peripheral device associated with the fire alarm system's location and its functional test results. Additionally, this report shall include the exact locations of all individual devices and all applicable control panel voltages.

In addition to the 100% annual mandatory testing & inspection of all systems, an annual sensitivity test of all smoke and duct smoke detectors shall be performed (when required) in accordance with NFPA and Louisiana Office of State Fire Marshal Act #268. This sensitivity test shall be performed in accordance with the manufacturer's recommendations while using a UL listed Gemeni smoke detector tester (or manufacturer's recommended sensitivity meter). Air velocity readings must be taken on all duct detectors.

****NOTE:** Contractor must use UL listed sensitivity testing devices for all systems.

After sensitivity testing is performed, the contractor shall supply DCI with a computer-generated report. This report shall include each detector's sensitivity result, listing both high and low threshold readings per detector, along with each initiating and indicating device location and its functional test results.

****NOTE:** Hand-written reports for any test/inspection is not acceptable and will not be accepted by agency.

After sensitivity testing is performed, if any detectors should fail and need to be replaced, DCI would like contractor to provide a separate quote on cost to replace. The detectors to be replaced must be UL listed for use on the system. DCI will handle this quote separately.

All testing/inspecting is to be performed during normal working hours, 8:00 AM to 4:30 PM, Monday thru Friday, excluding holidays.

The contractor shall schedule all appointments with Lt. Col. Brumfield at (225) 634-6239, or his designee, at least one (1) week prior to required visit.

**Note: There are 18 zones/locations:

- 1) Chapel
- 2) Vo-Tech
- 3) Gym
- 4) Compound 1 (C-1)
- 5) Dorms G&H (C-1)
- 6) Compound 2 (C-2)
- 7) Dorm 5 (C-2)
- 8) Warehouse
- 9) Dorm K (C-1)
- 10) Cellblock C (C-1)
- 11) Cellblock B (C-2)
- 12) Kitchen (C-1)
- 13) Compound 4 (C-4)
- 14) Administration Building
- 15) Infirmary
- 16) Compound 3 (C-3)
- 17) Control Center
- 18) Dorms 1 & 2 (C-2)

Contractor qualifications:

Contractor must be licensed in the state of Louisiana in fire/life safety systems and perform the necessary testing and inspections in accordance with NFPA-72. All technicians performing work as part of this contract must be licensed in the state of Louisiana in fire/life safety systems as well (per Fire Marshal Act #268). Only those technicians with the required certification will be allowed to perform repair work as part of this contract.

Below is a list of all systems located at DCI

Edwards	Simplex	Silent Knight
Pyrotronics	Firelite	Fire Shield Plus / EST
Faraday	Notifier	Bosh

Upon arrival and departure from the premises, the contractor's service representative(s) shall report to Lt. Col. Brumfield, or his designee.

All work performed under this contract must conform to the highest standard of good trade practices in the industry, and all service under this contract shall be rendered promptly and efficiently.

Locations/Zones of each system, as well as their list of components:

Location 1: Chapel

Edwards Model QSI-G-1 Fire Alarm Panel

Consisting of:

2 Batteries	3 Smoke Sensors	4 Duct Smoke Sensors
4 Heat Sensors	3 Pull Stations	2 Monitor Modules
4 Control Modules	1 Sprinkler Monitor	

Location 2: Vo-Tech

Fire Shield Plus Model FS-1004

Consisting of:

4 Smoke Detectors	8 Pull Stations	5 Signals
1 Trouble Annunciator		

Location 3: Gym

Edwards Model 5800

Consisting of:

6 Pull Stations	2 Duct Detectors	13 Signals
1 Flow Switch	1 Tamper Switch	

Location 4: Compound 1 (C-1)

Fire Shield EST

Consisting of:

43 smoke detectors	7 Strobes	8 Signals	7 Pull Stations
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Location 5: Dorms G & H (C-1)

Notifier Model NFW 50 (Heating System Duct Detectors)

Location 6: Compound 2 (C-2)

Edwards Model LSS4

Consisting of:

5 Pull Stations	5 Signals	33 Smoke Detectors
3 Strobes	1 Signal	

Location 7: Dorm 5 (C-2)

Notifier model NFW 50 (Heating System Duct Detectors)

Location 8: Warehouse
Pyrotronics Model System 3

Consisting of:

15 Smoke Detectors 1 Signal 3 Pull Stations

Location 9: Dorm K (C-1)
Silent Knight Model SK5208

Consisting of:

22 Smoke Detectors 7 Pull Stations 22 Signals 1 Flow Switch
1 Tamper Switch 1 Power Extender 1 Transmitter
1 Signal Booster Panel 1 Four (4) Zone Expander
1 Digital Fire Communicator 1 Remote Annunciator
4 Thermal Fire Detectors

Location 10: Cellblock C (C-1)
Pyrotronics Model SXL

Consisting of:

13 Horn/Strobes 3 Pull Stations 35 Smoke Detectors
9 Duct Detectors 1 Flow Switch 1 Tamper Switch
1 Radionics Communicator 1 Transmitter

Location 11: Cellblock B (C-2)
Faraday Model 19000A

Consisting of:

35 Smoke Detectors 4 Duct Detectors 1 Pull Station
11 Signals 4 Flow Switches 1 Tamper Switch

Location 12: Kitchen (C-1)
Faraday Model MPC-1500 Multiplex Fire Alarm System w/ Battery Backup.

Consisting of:

1 RC-1 LCD Annunciator/Controller 1 Digital Alarm Communicator
8 Manual Pull Stations w/ Addressable Module
8 Audio Visual Units 22 Visual Only Units
3 Analog Duct Smoke Sensors w/ Base 1 Horn
4 Analog Duct Smoke Sensors w/ Sampling Tube
3 Remote Relays w/ Box
4 Addressable Monitor Modules (Flow & Tamper)

****NOTE:** *This system is currently down and will be replaced in the near future.*

Location 13: Compound 4 (C-4)
Simplex Model 4001

Consisting of:

7 Pull Stations	25 Smoke Detectors	7 Signals
4 Heat Detectors	6 Horn Strobes	
1 Sprinkler Flow & Tamper Switches		
1 Monitor Module (Kitchen Hood)		
1 Power Extender Model 4009		

Location 14: Administration Building
Firelite Model 4024

Consisting of:

13 Smoke Detectors	2 Duct Detectors	2 Pull Station	2 Signals
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Location 15: Infirmary
Firelite Model 4024

Consisting of:

16 Smoke Detectors	6 Pull Stations	7 Signals	1 Horn/Strobe
2 Duct Detectors	1 Flow Switch	1 Tamper Switch	

Location 16: Compound 3 (C-3)
Notifier Model AFP-100

Consisting of:

53 Smoke Detectors	7 Pull Stations	6 Duct Detectors
17 Horn/Strobes	18 Light/Strobes	1 Hood
1 Flow Switch	2 Tamper Switches	

Location 17: Control Center
Bosch Model D6100 Receiver

Consisting of:

5 Panels

Location 18: Dorms 1 & 2 (C-2)
Notifier Model NFH 50 (Heating System Duct Detectors)

Plus the following:

- 1) Fire alarm panel located in the Electrical Room next to the Laundry
- 2) Power supply TCPS 2458 located in the Electrical Room next to the IT Office