Banff Fire and Safety

Fire Alarm Inspection Report

Customer:	**ROYAL CANADIAN MOUNTED POLICE** **BANFF DETACHMENT**
Location:	335 Lynx Street, Banff
Date:	July 18, 2014 **Updated September 26, 2014**
Contact:	SNC Lavalin - Stan (403) 888-3605
Contact:	On-site -
Inspected By:	Dennis Olsen/Paul Marinelli

Make of Panel:	Edwards	EST Quickstart
Make of Smoke Detectors:	Edwards	6249C
Make of Heat Detectors:	Edwards	283C
Make of Alarm Pull Box:	Edwards	270-SPO
Make of Alarm Signal:	Edwards	6" Bell

Bell Zones

Z1 ~ Entire Building C:2,D-15

Z2 ~ Cell Area (only operates in General Alarm situation) C:2,D-16

Zones

C:2,D-1 ~ Cold Storage - Garage Bay
C:2,D-2 ~ Cell Area
C:2,D-2 ~ Secure Bay
C:2,D-3 ~ Interview Room
C:2,D-4 ~ Holding Cell 117
C:2,D-5 ~ Breathalyser Room
C:2,D-6 ~ Cell 103
C:2,D-7 ~ Cell 104
C:2,D-8 ~ Cell 105
C:2,D-9 ~ Cell 106
C:2,D-10 ~ Basement Telephone Room
C:2,D-11 ~ Basement Electrical Room
C:2,D-12 ~ Air System HV2
C:2,D-14 ~ General Alarm
C:3,D-1 ~ Cell 101
C3:,D-2 ~ Basement
C:3,D-3 ~ Cell 102
C:3,D-4 ~ Prisoner Effects
C:3,D-5 ~ Cell 107
C:3,D-6 ~ Main Floor South
C:3,D-7 ~ Elevator Shaft
C:3,D-8 ~ SE Vestibule - Main Floor
C:3,D-9 ~ Reception Area
C:3,D-10 ~ Emergency Generator Room
C:3,D-11 ~ Mechanical Room
C:3,D-12 ~ 2nd Floor Common Center
C:3,D13 ~ West Stairs
C:3,D-14 ~ 2nd Floor
C:3,D-15 ~ East Stairs
C:3,D-16 ~ Air System HV1

EOL:	LOCATION:	DEVICE:	ZONE:	OPERATION:	COMMENTS:
✓✓	Basement Exit Hall	Pull / G.A.	C:3,D-10	OK	**Replaced device - Sept'14**
	Basement Exit Hall	Fixed Heat	C:3,D-10	OK	
	Basement Telephone Room	Smoke	C:2,D-10	OK	**Replaced device - Sept'14**
	Basement Exit Hallway	Fixed Heat	C:3,D-10	OK	
	Basement Gas Meter Room	Fixed Heat	C:3,D-10	OK	
	Basement Hallway	Bell		OK	
	Basement Storage	Fixed Heat	C:3,D-10	OK	
	Basement Electrical Room	Smoke	C:2,D-11	OK	**Replaced device - Sept'14**
	Emergency Generator Rm	Fixed Heat	C:3,D-10	OK	

	Emergency Generator Rm	Fixed Heat	C:3,D-10	OK	in hallway
	Emergency Generator Rm	Fixed Heat	C:3,D-10	OK	in hallway
	Elevator Shaft	Fixed Heat		OK	
	Basement Mechanical Rm	Bell		OK	
✓	Basement Mechanical Rm	Pull / G.A.	C:3,D-11	OK	
	Basement Mechanical Rm	Fixed Heat	C:3,D-11	OK	
	Basement Mechanical Rm	Fixed Heat	C:3,D-11	OK	
	Guard Lunchroom	Fixed Heat	C:2,D-3	OK	Panel says 'interview rm 118'
	Reception Area - Front Entrance	Pull / G.A.	C:3,D-9	OK	
	Reception Area - Front Entrance	Fixed Heat	C:3,D-9	OK	
	Reception Area - Front Entrance	Bell		OK	
	Reception Area - Front Entrance	Fixed Heat	C:3,D-9	OK	
	Reception Area - Front Entrance	Fixed Heat	C:3,D-9	OK	
	Cell Area Hallway	Smoke	C:3,D-2	OK	**Replaced device - Sept'14** - By 112
	Cell Area Hallway	Smoke	C:3,D-2	OK	**Replaced device - Sept'14**
	Cell Area Hallway	Smoke	C:3,D-2	OK	**Replaced device - Sept'14**
	Cell Area Hallway	Smoke	C:3,D-2	OK	**Replaced device - Sept'14**
	By Shower 110	Bell		OK	operates only in 'General Alarm'
	By Shower 110	Smoke	C:3,D-2	OK	**Replaced device - Sept'14**
	By Shower 110	Smoke	C:3,D-2	OK	**Replaced device - Sept'14**
	Visitor Room	Fixed Heat	C:3,D-9	OK	
	Prisoner - Visitor Room	Fixed Heat	C:3,D-2	OK	
	Above Guards Desk	Fixed Heat	C:3,D-2	OK	
	By Guard's Desk	Pull / G.A.	C:3,D-2	OK	
	Guard Washroom	Fixed Heat	C:3,D-2	OK	
	Secure Bay	Pull / G.A.	C:3,D-2	OK	
	Secure Bay	Fixed Heat	C:3,D-2	OK	
	Breathalyser Room	Fixed Heat	C:2,D-5	OK	
	Cell 107	Smoke	C:3,D-5	OK	**Replaced device - Sept'14**
	Cell 117	Smoke	C:2,D-4	OK	**Replaced device - Sept'14**
	Interview Room	Fixed Heat	C3,D-9	OK	
	Prisoner Effects	Fixed Heat	C:3,D-4	OK	
	Spare				
	Cell 105	Smoke	C:2,D-8	OK	**Replaced device - Sept'14**
	Cell 106	Smoke	C:2,D-9	OK	**Replaced device - Sept'14**
	Cell 103	Smoke	C:2,D-6	OK	**Replaced device - Sept'14**
	Cell 104	Smoke	C:2,D-7	OK	**Replaced device - Sept'14**
	Cell 101	Smoke	C:3,D-1	OK	**Replaced device - Sept'14**
	Cell 102	Smoke	C:3,D-3	OK	**Replaced device - Sept'14**

	Brochure Storage	Fixed Heat	C:3,D-9	OK	
	By Fire Panel	Fixed Heat	C:3,D-9	OK	
	Cold Storage - Garage Bay	Fixed Heat	C:2,D-1	OK	
	Cold Storage - Garage Bay	Fixed Heat	C:2,D-1	OK	
	Cold Storage - Garage Bay	Fixed Heat	C:2,D-1	OK	
✓	Cold Storage - Garage Bay	Pull / G.A.	C:2,D-1	OK	
	Cold Storage - Garage Bay	Pull / G.A.	C:2,D-1	OK	
	Cold Storage - Garage Bay	Bell		OK	
	Main Floor South - Reception	Fixed Heat	C:3,D-9	OK	
	Main Floor South - Reception	Fixed Heat	C:3,D-9	OK	
	Main Floor South - Office Area	Fixed Heat	C:3,D-6	OK	
	Main Floor South - Office Area	Fixed Heat	C:3,D-6	OK	
	Main Floor South - Office Area	Fixed Heat	C:3,D-6	OK	
	Main Floor South - Office Area	Fixed Heat	C:3,D-6	OK	
	Main Floor South - Office Area	Fixed Heat	C:3,D-6	OK	
	Main Floor South - end of hall	Pull / G.A.	C:3,D-6	OK	
	Back W Stair Hallway	Fixed Heat	C:3,D-6	OK	
	Back W Stair Hallway	Fixed Heat	C:3,D-6	OK	
	Back W Stair Hallway	Pull / G.A.	C:3,D-6	OK	
	Supervisor Office	Fixed Heat	C:3,D-6	OK	
	Gen. Investigation	Fixed Heat	C:3,D-6	OK	
	Operation - NCO	Fixed Heat	C:3,D-6	OK	
	Stationary Storage	Fixed Heat	C:3,D-6	OK	
	File Room	Fixed Heat	C:3,D-6	OK	
	File Room	Fixed Heat	C:3,D-6	OK	
	File Room	Fixed Heat	C:3,D-6	OK	
	Gen. Investigation Room	Fixed Heat	C:3,D-6	OK	
	Gun Room	Fixed Heat	C:3,D-6	OK	
	Men's Washroom	Fixed Heat	C:3,D-6	OK	
	Men's Washroom	Fixed Heat	C:3,D-6	OK	
	Ladies Washroom	Fixed Heat	C:3,D-6	OK	
	Ladies Washroom	Fixed Heat	C:3,D-6	OK	
	Hallway 1st Floor	Bell		OK	
	Top of East Stairs	Smoke	C:3,D-15	OK	**Replaced device - Sept'14**
	Top of West Stairs	Smoke	C:3,D-13	OK	**Replaced device - Sept'14**
	Detach Commander Office	Fixed Heat	C:3,D-6	OK	
	Corporal Storage	Fixed Heat	C:3,D-6	OK	

	CSI Room	Fixed Heat	C:3,D-6	OK	
	Exhibit	Fixed Heat	C:3,D-6	OK	
	Exhibit Room Storage	Fixed Heat	C:3,D-6	OK	
	2nd Floor Computer Center	Pull / G.A.	C:3,D-12	OK	
	2nd Floor Computer Center	Smoke	C:3,D-12	OK	**Replaced device - Sept'14**
	2nd Floor Computer Center	Smoke	C:3,D-12	OK	**Replaced device - Sept'14**
	2nd Floor Computer Center	Fixed Heat	C:3,D-12	OK	server room
	2nd Floor - Elevator Lobby	Pull / G.A.	C:3,D-14	OK	
	2nd Floor - Elevator Lobby	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Office	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Exercise / Locker Rm	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Exercise / Locker Rm	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Men's Locker Rm	Fixed Heat	C:3,D-14	OK	
	Ladies Washroom	Fixed Heat	C:3,D-14	OK	
	Men's Washroom	Fixed Heat	C:3,D-14	OK	
	2nd Floor Hallway	Bell		OK	
	2nd Floor Hallway	Fixed Heat	C:3,D-14	OK	
	2nd Floor Hallway	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Telephone Rm	Fixed Heat	C:3,D-14	OK	
	2nd Flr - Elevator Mechanical Rm	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Lunch Room	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Lunch Room	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Lunch Room	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Lunch Room	Fixed Heat	C:3,D-14	OK	
	2nd Floor - Janitor	Fixed Heat	C:3,D-14	OK	
	2nd Floor - end of hall	Pull / G.A.	C:3,D-14	OK	
	Air System - HV1	Duct / Smoke	C:3,D-16	OK	located in Basement Mechanical Room
	Air System - HV2	Duct / Smoke	C:3.D-12	OK	located in Basement Mechanical Room
	SE Vestibule - Main Floor	Smoke	C:3,D-8	OK	entrance to upper levels **Replaced device - Sept'14**
	SE Vestibule - Main Floor	Pull / G.A.	C:3,D-8	OK	entrance to upper levels
	Bottom of Stairs Rear Stairs	Fixed Heat	C:3,D-6	OK	
	Hallway Rear Stairwell	Fixed Heat	C:3,D-6	OK	

Fire Dampers - Check that all dampers are free to close (no obstructions) and in the open position

LOCATION:	DEVICE:	LOCATION	OPERATION	COMMENTS:
Evidence Storage Room	Damper	Ceiling	165°F	Open
Evidence Room	Damper	Wall	165°F	Open
Evidence Room Hallway	Damper	Wall	165°F	Open

Door Mags

LOCATION:	# of Devices	OPERATION	COMMENTS:
2nd Floor ~ Front Stairs	1	OK	
2nd Floor ~ Rear Stairs	1	OK	
2nd Floor ~ Elevator Lobby	1	OK	
Main Floor ~ Reception	2	OK	

Annunciator:	Location:	Guards Room
	Test:	OK
Main Panel Power Supply Test:	Circuit Breaker Location:	Bsmnt Elec Rm - Panel Z #CCT 17
	Circuit Breaker Model:	Federal Pioneer
	Protected:	YES
	Locked and Red:	YES
Main Panel Batteries Test:	Damage?	NO
	Protected?	YES
	Ventilated?	YES
	Fused Charging Tested at:	**NEW**
	Load Cycle Tested to:	**NEW**
	Battery Date	2014
	Battery Size	(2) 12volt 18amp
Control Panel:	Functioning:	OK
	Lamps/Indicators:	OK
	Supervisory:	OK
Security Monitoring:	System Monitored:	YES
	Security Company	Reliance Protection Security
	Contact Number	1-800-653-9111
	Password	N/A

Comments:

1. Supplied and installed (2) batteries for main fire panel.
2. The emergency light packs were tested. Please see individual report.
3. As a building owner or property manager, we recommend that you conduct a monthly fire alarm test as per CAN/ULC – 5536 – 04 4.2.1. "While on the emergency power supply, inspect and test the fire alarm system monthly to confirm it is operating properly." Should you require assistance or training to perform this task, please call our office for further information.
4. Bell by shower 110 rings on general alarm only. Aux disconnect bypasses relays.
5. Relay shuts down MUA & Fire Doors. Relay R1 and R4.
6. Basement electrical room and basement mechanical room are now on the same zone. We recommend that these areas be put back on seperate zones as originally designed.
7. There are (20) smoke detectors that are over 10 years old and require replacement as per manufacturer's recommendation. Please see report for locations. ***Completed September 2014***

Deficiencies:

1. There is (1) smoke detector in the cell area hallway that does operate, but is visibly damaged and requires replacement. ***Completed September 2014***

s/c Oct 5, 2014: Called by Banff Dispatch at 7pm regarding fire panel in alarm and unable to reset. Upon arrival, found damaged fixed heat detector located in 2nd Floor Hall. Supplied and installed (1) new fixed heat detector. System was reset. fire panel clear upon departure.

The fire alarm system, located at **R.C.M.P. ~ BANFF DETACHMENT**, has been tested in accordance with CAN/ULC-S536-04 on **July 18, 2014**. The above report clearly defines items that are satisfactory as well as identifying deficiencies. All deficiencies must be corrected for the system to be certified.

Signature of Inspector:	Dennis Olsen/Paul Marinelli
18-Jul-14	PKX4413/996796

Inspection and Testing of Fire Alarm Systems

Centratech Technical Services Ltd # 1 – 7644 – 49th Ave Red Deer, Alberta	Date of Service: July 14, 2014	Time: 9:00 am
	Annual Inspection YES	Last Service Date July 2013
	Single Stage YES Addressable / Two Stage NA	Direct Connection None
	Manufacturer: EST I 0500	Model: Fire shield
Building Name: K302 R.C.M.P Detachment	Contact Person: Stan Scott	Phone: Fax:
Address: 5107 – 52nd street	Owner:	Phone: 780-372-3793 Fax:
City: Bashaw, AB Postal Code: T0B 0H0	Fire Signal Receiving Centre: 1-800-653-9111 Golden	Phone: Fax:

"Yes"- Acceptable "No" - Unacceptable (Explain No answers in comments)

Yes	No	Summary
☒	☐	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC S536
☒	☐	The fire alarm system documentation is on site and includes a description of the system.
☒	☐	The fire alarm system is fully functional.
☐	☒	The fire alarm system has deficiencies noted.
☒	☐	A copy of this report is given to the Owner or the owner's representative.

	Technicians After-test Checklist
☒	Reconnect time limit cutouts?
☒	Reconnect ancillary functions?
☐	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

System in good working order. Tested on battery backup.

I state that the information on this form is correct at the time and place of my inspection, and that all equipment was tested in conformance with applicable codes and the Manufacturers requirements and at this time was left in operational condition upon completion of this inspection except as noted in comments.

Korey Campbell CFA 11-996672	July 14, 2014	9:00 am	
Technician	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date July 14, 2014 **Building Name: K302 Bashaw R.C.M.P**

"Yes" - Tested correctly "No" - Did not test correctly (Explain NO answers in comments) "NA" Not applicable

2.1 Control Unit or Transponder Tests

yes Power on visual indicator operates.
yes Common visual trouble signal operates.
yes Common audible trouble signal operates.
yes Trouble signal silence switch operates.
yes Main Power supply failure trouble signal operates.
yes Ground fault tested on positive and negative trouble signal
Na Alert signal operation operates.
yes Alarm signal operation operates.
Na Automatic transfer from alert to alarm signal operates.
Na Manual transfer from alert signal to alarm signal operates.
Na Auto transfer from alert to alarm signal cancel operates
yes Alarm signal silence inhibit function operates?
yes Alarm signal manual silence operates.
yes Alarm signal silence visual indication operates.
yes Alarm signal when silenced automatically reinitiates on subsequent alarm?
na Alarm signal silence automatic cut-out timer.
yes Audible visual and alert and alarm signals programmed and operate as per design & specification. (app C)
yes Input circuit alarm and supervisory operation including audible and visual indication operates.
yes Input circuit supervision fault causes a trouble indication.
yes Output circuit alarm indicators operate.
yes Output circuit supervision fault causes a trouble indication.
yes Visual indicator test (lamp test).
Na Coded signal sequence operate not less than the required number of times and the correct alarm signal thereafter.
Na Coded signal sequences are not interrupted by subsequent alarms?
yes Ancillary circuit by-pass will result in a trouble signal.
yes Input circuit to output circuit operation including ancillary device circuits, for correct program operation as per design & spec. (App "C")
yes Fire alarm Reset operates.
yes Main power to emergency power supply transfer operates.
Na Status change confirmation (smoke detectors) verified
yes Receipt of alarm transmission to signal receiving center?
Na Receipt of supervisory trans to signal receiving center?
yes Receipt of trouble transmission to signal receiving center?
Na Operation of the fire signal receiving center disconnect results in a specific trouble indication at control unit?

2.3 Control Unit or Transponder Inspection

yes Input circuit designations, correctly identified in relation to connected field devices
yes Output circuit designations correctly identified in relation to connected field devices.
yes Correct designations-common control functions / indicators
yes Plug-in components and modules securely in place?
yes Plug-in cables securely in place
na Record date, revision and version of Firmware & software
Date: Rev: Ver:
yes Clean and free of dust and dirt?
yes Fuses in accordance with MFGs specification?
Control Unit or transponder lock functional?
yes Termination points from wiring to field devices secure

2.6 Annunciator & Remote Trouble Test & Inspection

yes Power on indicator operates.
yes Individual alarm and supervisory input zone clearly
yes Indicated and separately designated?
yes Individual alarm and supervisory zone labels identified.
yes Common trouble signal operates.
yes Visual indicator test - Lamp test operates.
yes Input wiring from control unit/transponder is supervised.
yes Alarm signal silence visual indicator operates.
yes Switches for ancillary function operate as per design.
yes Other ancillary function visual indicators operate.
yes Manual activation of alarm signal and indication operates.
yes Displays are visible in installed location operates?
yes Operates on emergency power?

2.4 Power Supply Inspection

yes Fused with mfgs marked rating of the system?
yes Adequate to meet the requirements of the system?

2.8 Remote Trouble Signal Unit Test and Inspection

na Input wiring form control/transponder is supervised.
na Visual trouble signal operates.
na Audible trouble signal operates.
na Audible trouble signal silence operates.

2.5 Emergency Power Supply Test and Inspection

yes Correct battery type as recommend by manufacturer?
yes Correct rating as determined by battery calculations based on full system load?
yes Battery voltage main power on? **27.7 Vdc / 400 ma**
yes Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
Voltage **25.5 Vdc** Current **200 ma**
yes Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
Voltage **25 Vdc** Current **400 ma**
yes Charging current is **400 ma**
yes Inspected for physical damage?
yes Terminal cleaned and lubricated?
yes Terminals clamped tightly.
na Correct Electrolyte level?
na Specific gravity within mfg specifications?
no Electrolyte leaks.
yes Adequately ventilated?
yes Battery mfg's date code or in-service date
yes Disconnection causes trouble signal.
Indicate type of Battery Test Performed?
(1) supervisory load for 24h followed by full load operation.
(2) silent test by using load resister method -App F1
(3)Silent accelerated test – App F2
yes (4) A battery capacity meter test App F3
(5) In lieu of battery tests, Replace with new set having current date code, as per mfg
na Record calculated battery capacity App F4 A h
yes Record battery terminal voltage after tests 25.6 V dc
yes Battery voltage not less than 85% of its rating after tests.
na Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date July 14, 2014	Building Name: K302 Bashaw R.C.M.P

"Yes" - Tested correctly "No" - Did not test correctly (Explain NO answers in comments) "NA" Not applicable

2.5 Emergency Power Supply Test and Inspection

na Trouble condition at the em gen shall result in an audible common trouble signal and a visual indication at the required annunciator?

2.7 Annunciator or Sequential Displays

yes Power on indicator operates.
yes Individual alarm, supervisory zone indication operates.
yes (**Exception**: operation of each individual alarm and supervisory zone indication, or lights the identical indicators at the other annunciators and sequential display)
Specify method of confirmation

yes Minimum of 1 alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation.
yes Individual alarm and supervisory zone labels identified.
yes Common trouble signal operates.
yes Visual indicator test (lamp test) operates.
yes Input wiring form control unit/transponder supervised
yes Alarm signal silence visual indicator operates.
yes Switches for ancillary function operate as per design.
yes Other ancillary functions visual indicators operate.
yes Manual activation of alarm signal and indication operate.
yes Displays are visible in installed location.

2.9 Printer Testing

na Operation as per design and specification?
na Zone of each alarm initiating device is correctly printed.
na Rated voltage is present.

2.10 Data Communication Link Test (DCL)

na Confirm that a trouble signal is receive at the control unit or transponder under an open loop fault for each DCL
na Where fault isolation modules are installed in DCL serving field devices, wiring shall be shorted on the isolated side, annunciation of the fault confirmed, and then a field device on the source side shall be operated, and activation confirmed at the control unit or transponder.
na Where a fault isolation in DCL is provided between control units/transponders and between
na Transponders, introduce a short circuit fault and confirm
Continued.....

Annunciation of the fault and operation outside the shorted section between each pair of :

na (i) Control unit to control unit
na (ii) Control unit to transponder
na (iii)Transponder to transponder

2.2 Voice Communication Inspection/Tests

na Power "ON" operates?
na Common visual trouble signal operates.
na Common audible trouble signal operates.
na Trouble signal silence switch operates.
na All call voice paging including visual indicator operates?
Output circuits for selective voice paging including visual
indication operates.
na Output circuits for selective voice paging trouble operation including visual indication operates.
na Microphone including press to talk switch operates.
na Operation of voice paging does interfere with initial inhibit time of alert and alarm signal?
na All call voice paging operates on emergency power?
na Upon failure of one amplifier, system automatically transfers to backup amplifier.
na Circuits for emergency telephone call in operation including audible and visual indication operates
na Circuits for emergency telephone for operation, including two way voice communication operates.
na Circuits for emergency telephones trouble operation including visual indication operates.
na Emergency telephone verbal communication operates.
na Emergency telephone operable or in-use tone at handset.

2.11 Ancillary Device Circuit Test

yes	Circuit	HVAC shut down
na	Circuit	confirmed
na	Circuit	confirmed
na	Circuit	confirmed

Additional Comments:

Annunciator panel in guard room needs a pass code to work.

Inspection and Testing of Fire Alarm Systems
Individual Device Record

Date July 14, 2014	Building Name: K302 Bashaw R.C.M.P	

A. Correctly installed.	D. Annunciator indication confirmed.
B. Requires Service, Repairs, missing, or cleaning	E. Zone circuit number or address
C. Alarm operation confirmed	

"Y" - Acceptable "N" – Unacceptable (Explain NO answers in comments) "NA" Not applicable

Device	Location	A	B	C	D	E	Remarks
M	Front entrance	Y	NA	Y	Y	Y	
S	Front entrance	Y	NA	Y	Y	Y	
S	Bullpen 104 north	Y	NA	Y	Y	Y	
S	Bullpen 104 south	Y	NA	Y	Y	Y	
S	Sergeants office	Y	NA	Y	Y	Y	
S	Secretaries office	Y	NA	Y	Y	Y	
S	File room 115	Y	NA	Y	Y	Y	
S	Office hall 114	Y	NA	Y	Y	Y	
S	Hall way 125 N/S	Y	NA	Y	Y	Y	
M	Guard desk	Y	NA	Y	Y	Y	
S	Guard desk	Y	NA	Y	Y	Y	
S	Guard desk bathroom	Y	NA	Y	Y	Y	
S	Hallway 121 west	Y	NA	Y	Y	Y	
S	Hallway 121 centre	Y	NA	Y	Y	Y	
M	East stair well	Y	NA	Y	Y	Y	
S	Stair well 116	Y	NA	Y	Y	Y	
S	Workout room 001 west	Y	NA	Y	Y	Y	
S	Workout room 001 north	Y	NA	Y	Y	Y	
S	Workout room 001 east	Y	NA	Y	Y	Y	
S	Lock up room 108	Y	NA	Y	Y	Y	
S	Cell 118	Y	NA	Y	Y	Y	
S	Cell 117	Y	NA	Y	Y	Y	
RHT	Women bathroom	Y	NA	Y	Y	Y	
RHT	Men bathroom	Y	NA	Y	Y	Y	
RHT	Electrical room 003	Y	NA	Y	Y	Y	
RHT	Victim services north 005	Y	NA	Y	Y	Y	
RHT	Victim services south 005	Y	NA	Y	Y	Y	
RHT	Mech room south	Y	NA	Y	Y	Y	
RHT	Mech room north	Y	NA	Y	Y	Y	
DS	Furnace # 1	Y	NA	Y	Y	Y	

M.	Manual Pull station	DS	Duct smoke detector	B	Bell	AD	Ancillary device
HT	Heat detector, non restorable	SFD	Supporting field device - monitor	H	Horn	ET	Emergency Telephone
RHT	Heat detector, Restorable	FS	Sprinkler flow switch	V	Visual signal appliance	EOL	End of line resistor
S	Smoke detector	SS	Sprinkler supervisory device	SP	Cone type speaker		Other supervisory devices
RI	Remote indicator unit	EM	Fault isolation module	HSP	Horn type speaker		Other type of detector
PS	Pressure switch	BS	Bell & Strobe				

Inspection and Testing of Fire Alarm Systems

Date July 14, 2014	Building Name: K302 Bashaw R.C.M.P	

A. Correctly installed.	D. Annunciator indication confirmed.
B. Requires Service, Repairs, missing, or cleaning	E. Zone circuit number or address
C. Alarm operation confirmed	

"Y" - Acceptable "N" – Unacceptable (Explain NO answers in comments) "NA" Not applicable

Device	Location	A	B	C	D	E	Remarks
DS	Furnace # 2	Y	NA	Y	Y	Y	
DS	Furnace # 3	Y	NA	Y	Y	Y	
S	Interview room 122	Y	NA	Y	Y	Y	
S	Garage exit	Y	NA	Y	Y	Y	
RHT	Garage	Y	NA	Y	Y	Y	
S	Breathalyzer room	Y	NA	Y	Y	Y	
S	Lock room	Y	NA	Y	Y	Y	
S	Statement room	Y	NA	Y	Y	Y	
S	Lunch room	Y	NA	Y	Y	Y	
S	Hallway 121 south east	Y	NA	Y	Y	Y	
PS	Workout room stairs	Y	NA	Y	Y	Y	
RHT	Janitor room	Y	NA	Y	Y	Y	
M	Garage	Y	NA	Y	Y	Y	
RHT	Crawl space	Y	NA	Y	Y	Y	
RHT	Crawl space	Y	NA	Y	Y	Y	
RHT	Crawl space	Y	NA	Y	Y	Y	
RHT	Crawl space	Y	NA	Y	Y	Y	
RHT	Crawl space	Y	NA	Y	Y	Y	
RHT	Crawl space	Y	NA	Y	Y	Y	
RHT	Crawl space	Y	NA	Y	Y	Y	
RHT	Crawl space	Y	NA	Y	Y	Y	

M.	Manual Pull station	DS	Duct smoke detector	B	Bell	AD	Ancillary device
HT	Heat detector, non restorable	SFD	Supporting field device - monitor	H	Horn	ET	Emergency Telephone
RHT	Heat detector, Restorable	FS	Sprinkler flow switch	V	Visual signal appliance	EOL	End of line resistor
S	Smoke detector	SS	Sprinkler supervisory device	SP	Cone type speaker		Other supervisory devices
RI	Remote indicator unit	EM	Fault isolation module	HSP	Horn type speaker		Other type of detector
PS	Pressure switch	BS	Bell & Strobe				

Inspection and Testing of Fire Alarm Systems

Signal Devices Record

Date July 14, 2014	Building Name: K302 Bashaw R.C.M.P

A. Correctly installed.
B. Requires Service, Repairs, missing, or cleaning
C. Alarm operation confirmed

"Y" - Acceptable "N" – Unacceptable (Explain NO answers in comments) "NA" Not applicable

Device	Location	A	B	C	Remarks
H/S	Secure storage	Y	NA	Y	
H/S	Furnace room	Y	NA	Y	
H/S	Work out room	Y	NA	Y	
H/S	Work out exit	Y	NA	Y	
H/S	Crawl space	Y	NA	Y	
H/S	Front entrance	Y	NA	Y	
H/S	Garage	Y	NA	Y	
H/S	Hallway	Y	NA	Y	
H/S	Cell hall way	Y	NA	Y	
H/S	Holding area	Y	NA	Y	
H/S	Office area	Y	NA	Y	

M.	Manual Pull station	DS	Duct smoke detector	B	Bell	AD	Ancillary device
HT	Heat detector, non restorable	SFD	Supporting field device - monitor	H	Horn	ET	Emergency Telephone
RIIT	Heat detector, Restorable	FS	Sprinkler flow switch	V	Visual signal appliance	EOL	End of line resistor
S	Smoke detector	SS	Sprinkler supervisory device	SP	Cone type speaker		Other supervisory devices
RI	Remote indicator unit	EM	Fault isolation module	HSP	Horn type speaker		Other type of detector
PS	Pressure switch	BS	Bell & Strobe				

Centratech Technical Services Ltd # 1 – 7644 – 49th Ave Red Deer, Alberta	Date of Service: July 14, 2014	Time: 9:00 am
	EMERGENCY LIGHT INSPECTION FORM	Last Service Date 2013
Building Name: K302 R.C.M.P	Contact Person: Stan Scott	Phone: Fax:
Address: # 5107 – 52nd street	Owner:	Phone: Fax:
City: Bashaw Alberta Postal Code: T0B 0H0		

"Yes"- Acceptable "No" - Unacceptable (Explain No answers in comments)

Yes	No	Summary
☒	☐	All emergency lights have been tested to National Fire Code - 2005
☒	☐	The emergency light documentation is on site.
☐	☒	All emergency lights are fully functional.
☐	☐	All emergency lights have deficiencies noted.
☒	☐	A copy of this report is given to the Owner or the owner's representative.

Comments:

I state that the information on this form is correct at the time and place of my inspection, and that all equipment was tested in conformance with applicable codes and the Manufacturers requirements and at this time was left in operational condition upon completion of this inspection except as noted in comments.

Korey Campbell	July 14, 2014	9:00 am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection checklist

"Y" - Acceptable "N" – Unacceptable (Explain NO answers in comments) "NA" Not applicable

Y	Operate units by disconnecting power supply
Y	Verify pilot light operation and is not damaged or obstructed
Y	Verify terminal connections are clean, free of corrosion
Y	Verify terminal clamps are clean and tight
Y	Verify battery surface is dry and clean
Y	Check battery expiry dates on dry cell batteries replace every 5 years
	Check that exit signs are illuminated, clean and legible if applicable
B	Test to ensure the unit will provide emergency lighting for a duration equal to the following: A) two (2) hours for high buildings; and B) one (1) hour for buildings where persons are detained or care for C) one-half (1/2) hour for all other buildings
Y	Check dry cell battery operation of cells by observing brightness of lamps

Locations	Battery	Satellites
Basement	**12volt**	**6**
Office	**12volt**	**4**
Holding area	**12volt**	**6**

CENTRATECH TECHNICAL SERVICES LTD.
ANNUAL MAINTENANCE RECORD

Hydrostatic Testing - Breathing Air - Fire Extingiusher Sales, Service, Recharging
"Your Fire And Safety Specialists"

CUSTOMER: R.C.M.P Detachment
ADDRESS: K302 Bashaw, Alberta
5107 52nd Ave
CONTACT: Stan Scott
PHONE: 403-716-4323

JOB TICKET/INVOICE:
DATE: July 14, 2014
TECHNICIAN: Korey
PO#:
CASH ACCOUNT: YES NO

#	Fire damper location	Type	Conditon
1	**Victom services**		
2	RA to workout	LINK	OK
3	SA to room	LINK	OK
4	SA to upstairs	LINK	OK
5	SA to upstairs	LINK	OK
6	SA to upstairs	LINK	OK
7	SA to upstairs	LINK	OK
8	SA to upstairs	LINK	OK
9	SA to upstairs	LINK	OK
10	SA to upstairs	LINK	OK
11	**Electrical room**		
12	RA from workout	LINK	OK
13	SA from mech to work	LINK	OK
14	SA from mech	LINK	OK
15	**Mech room**		
16	SA to crawl FU-3	LINK	OK
17	RA to crawl FU-3	LINK	OK
18	RA form workout	LINK	OK
19	SA to elec FU-1	LINK	OK
20	RA ro elec FU-1	LINK	OK
21	SA to elec FU-2	LINK	OK
22	RA to elec FU-3	LINK	OK
23			
24			
25			
26			
27			
28			
29			
30			

COMMENTS:

CENTRATECH TECHNICAL SERVICES LTD.
ANNUAL MAINTENANCE RECORD

Hydrostatic Testing - Breathing Air - Fire Extinguisher Sales, Service, Recharging
"Your Fire and Safety Specialists"

CUSTOMER: RCMP Detachment
ADDRESS: K302 Bashaw, Alberta
5107 - 52nd Street
CONTACT: Stan Scott
PHONE: 403-716-4323

JOB TICKET/INVOICE:
DATE: July 14, 2014
TECHNICIAN: Emil
CASH/ACCOUNT: Account/PO Required
PO# (If required):

#	EXTINGUISHER LOCATION	EXT. SERIAL #	EXT. MAKE	CO	EXT. TYPE	HP	SP	YR MFG	YR HT	YR 6YR	YRHT CART	COMMENTS
1	Front Entrance	705198	Flag		10 ABC		X	04		10		Inspection
2	Basement	605648	Flag		5 ABC		X	87	11			Inspection
3	Mech Room	605649	Flag		5 ABC		X	87	11			Inspection
4	Garage	705199	Flag		10 ABC		X	04		10		Inspection
5	Cell area	939120	Amerex		5 ABC		X	09				Inspection
6	Downstairs Lounge	896402	Amerex		5 ABC		X	12				Inspection
7	House 17 Robinsom PL	360385	Amerex		5 ABC		X	12				Inspection
8												
9												
10												
11												
12												
13												
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30												

COMMENTS:

SAFE BLU
Strathmore, AB.
Ph: 934 9387 Fax: 934 9344

FIRE ALARM SYSTEM ANNUAL TEST AND INSPECTION REPORT

DATE: JULY 22, 2014

BUILDING NAME: K315 BASSANO RCMP

ADDRESS: 639 – 11 STREET

COMPANY: SNC LAVALIN

CONTACT PERSON:

TELEPHONE NO:

SYSTEM MANUFACTURER: SIMPLEX MODEL NO: 4008

OPERATION: SINGLE STAGE: ☒ TWO STAGE: ☐

TEST RESULTS

(EVERY LINE MUST HAVE THE APPROPRIATE MARKING IN THE SPACE PROVIDED)

This is to certify that the Fire Alarm System has been tested and inspected in accordance with Section 5 periodic inspections and tests – daily and monthly; and Section 6, periodic inspections and tests – yearly, and these records document the results of testing performed.

1. The Fire Alarm System is now fully functional. Yes ☒ No ☐

OR

2. The Fire Alarm System has deficiencies noted on the pages attached. Yes ☐ No ☒

Comments:

SEE PAGE 5 FOR COMMENTS:

A copy of this report will be given to: SNC LAVALIN

Joel McGregor
Signature of Technician

24-7 Fire & Electrical Services Ltd.
Company Name

PRE-TEST CHECKLIST		
1.	Is there a fire department interconnection?	Yes ☐ No ☒
	If yes, take necessary steps to alert central station/fire department, etc. **DO NOT USE THE FIRE DEPARTMENT EMERGENCY TELEPHONE NUMBER.** **(IN CALGARY USE THE NON-EMERGENCY PHONE NUMBER 264-1022)** Name of person contacted at the central station or fire department:	
	Name _____ Title _____ Phone No. _____	
	Date and time fire alarm system is out of service:	
	Date and time fire alarm is back in service:	
2.	Do you have auxiliary functions that can impair building functions such as elevator capture, fan shutdown, door holders, etc.?	Yes ☒ No ☐
2a.	Can these be disabled and tested by groups?	Yes ☒ No ☐
3.	Have building occupants been made aware of fire alarm testing?	Yes ☒ No ☐
4.	Has a pre-determined time been established for testing signaling devices?	Yes ☒ No ☐
5.	Have provisions been made for acquiring access to the secured areas of the building?	Yes ☒ No ☐
6.	Has an alternative plan been established to alert occupants and local fire department should an actual fire condition occur during testing?	Yes ☒ No ☐
7.	The fire alarm system has emergency power provided by:	AC Generator ☐ Rechargeable battery ☒

EVERY LINE MUST HAVE THE APPROPRIATE MARKING IN THE BOX PROVIDED

YES	NO	NOT APPLICABLE (NA)
Tested correctly	Did not test correctly (See Remarks Section)	Function or feature not provided on this fire alarm system.

ALARM SIGNAL TESTS	YES	NO	NA
All alarm signaling appliances sound simultaneously in the general alarm state powered by the emergency power supply (5 min. minimum duration).	☒	☐	☐
All audible alarm signals sound simultaneously in the evacuation alarm state powered by the emergency power supply (as per the Alberta Building Code 1990).	☒	☐	☐
Alarm signals are audible throughout the building.	☒	☐	☐
Visual alarm signals clearly indicate a visual alarm to all points in the visual alarm area when operated on normal power supply.	☒	☐	☐
Each audible and visual signaling device has been tested.	☒	☐	☐
NUMBER OF AUDIBLE / VISUAL DEVICES:			

CONTROL UNIT TESTS	YES	NO	NA
Power on Visual Indicator	☒	☐	☐
Common Visual Trouble Lamp	☒	☐	☐
Common Audible Trouble Signal	☒	☐	☐
Trouble Signal Silence Switch	☒	☐	☐
AC Power Failure Trouble	☒	☐	☐
Main Power Supply Failure Trouble Signal	☒	☐	☐
Ground Fault Tested on Positive and Negative Trouble Signal	☒	☐	☐
Control Panel Interconnection to Fire Department Confirmed	☐	☐	☒
Alert Signal Operation	☒	☐	☐
Alarm Signal Operation	☒	☐	☐
Automatic Transfer from Alert Signal to Alarm Signal	☐	☐	☒
Acknowledge Switch Operation	☒	☐	☐
Alarm Signal Silence Inhibit	☐	☐	☒
Alarm Signal Silence Operation	☒	☐	☐
Alarm Signal Silence Visual Indication	☒	☐	☐
Alarm Signal, when silenced, Automatically Reinitiate Upon Subsequent Alarm	☒	☐	☐
Alarm Signal Silence Automatic Cut – Out Timer	☐	☐	☒
Input Circuit, Alarm & Supervisory Operation Including Visual Indicator	☒	☐	☐
Input Circuit Trouble Operation	☒	☐	☐
Output Circuit Alarm Operation	☒	☐	☐
Output Circuit Trouble Operation	☒	☐	☐
Visual Indicator Test (Lamp Tests)	☒	☐	☐
Reset Operation	☒	☐	☐
Main Power Supply to Emergency Power Supply Transfer	☒	☐	☐
Control Panel Locked	☒	☐	☐
Control Unit Interconnection to Monitoring Station	☒	☐	☐
Monitoring Company Name and Phone #	RELIANCE PROTECTRON		
Building System ID # and Pass Code ID #			

BATTERY TESTS			
Correct Battery Type as Recommended by Manufacturer	2 X	12V 12 AH	
Correct Rating as Determined by Battery Calculations based on Full System Load		YES ☒ NO ☐	
Battery Voltage (AC Power On)		27.0V	
Battery Charging Current (AC Power On)		0.3A	
Battery Voltage (AC Power Off - Supervisory Condition)		26.5V – 0.3A	
Battery Voltage (AC Power Off - General Alarm Condition) Full Load		26.0V – 0.7A	
BATTERY TESTS INSPECTIONS		YES	NO	NA
Battery Inspected for Physical Damage		☒	☐	☐
Battery Terminals Cleaned and Lubricated		☒	☐	☐
Battery Terminals Clamped Tightly		☒	☐	☐
Within Manufacturer's Rated Life Date Code		☒	☐	☐
Disconnection Causes Trouble Signal		☒	☐	☐

REMOTE TROUBLE UNIT	YES	NO	NA
Input Wiring from Control Unit is Supervised	☐	☐	☒
Visual Trouble Signal	☐	☐	☒
Audible Trouble Signal	☐	☐	☒
Audible Trouble Signal Silence	☐	☐	☒

POWER SUPPLY INSPECTION	YES	NO	NA
Fused in Accordance with Manufacturer's Marked Rating of the System	☒	☐	☐
Adequate to Meet the Requirements of the System	☒	☐	☐

ANNUNCIATOR TESTS	YES	NO	NA
Power On Indicator	☐	☐	☒
Individual Alarm & Supervisory Zone Indication	☐	☐	☒
Individual Alarm & Supervisory Zone Designation Labels are Properly Identified	☐	☐	☒
Common Trouble Signal	☐	☐	☒
Visual Indicator Test (Lamp Test)	☐	☐	☒
Input Wiring from Control Unit is Supervised	☐	☐	☒
Switches for Ancillary Functions Operate as Intended	☐	☐	☒
Alarm Signal Silence Visual Indicator	☐	☐	☒
Other Ancillary Functions Visual Indicators	☐	☐	☒
Manual Activation of Alarm Signal & Indication	☐	☐	☒

CONTROL UNIT INSPECTIONS	YES	NO	NA
Input Circuit Designations, Correctly Identified in Relation to Connected Field Devices	☒	☐	☐
Output Circuit Designations, Correctly Identified in Relation to Connected Field Devices	☒	☐	☐
Designations for Common Control Functions & Indicators	☒	☐	☐
Cabinet, Plug-In Components, Modules, and Cables Securely in Place	☒	☐	☐
Cleanliness	☒	☐	☐
Fuses in Accordance with Manufacturer's Specification	☒	☐	☐

ANCILLARY DEVICES If no ancillary devices are present check here ☐

TYPE OF DEVICE (List)	OPERATIONAL
FURNACE SHUTDOWN	YES ☒ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐

***NOTE: Power supply for ancillary devices must not be from fire alarm power supply circuit.**

AFTER TEST CHECKLIST	YES	NO	NA
Reconnect Auxiliary Functions (off site connections)	☒	☐	☐
Reconnect Ancillary Functions	☒	☐	☐
Reconnect Time Limit Cutouts	☐	☐	☒
Ensure Fire Alarm System is on Normal Power	☒	☐	☐
Advise Building Management Work Is Completed	☒	☐	☐
Advise Fire Department Work Is Completed	☒	☐	☐
Ensure That the Alarm System Is Functional	☒	☐	☐

SUMMARY		
1.	The fire alarm system is now **FULLY** functional.	YES ☒ NO ☐
2.	The fire alarm system is operational with minor deficiencies as noted in this report.	YES ☐ NO ☒
3.	The fire alarm system has major deficiencies as noted in this report.	YES ☐ NO ☒
4.	A copy of this report will been given to:	
BUILDING OWNER / BUILDING OWNER'S REPRESENTATIVE		

TEST AND MAINTENANCE CODES REQUIRE THAT THE BUILDING OWNER FOR A MINIMUM OF TWO YEARS MAINTAIN THIS RECORD.

DEVICE LEGEND

Bell	B	Pressure Switch	PS
Duct Smoke Detector	DS	Remote Relay	REL
Fire Phone	FP	Heat Detector, Rate of Rise	RHT
Sprinkler Flow Switch	FS	Smoke Detector	S
Horn	H	Smoke Alarm	SA
Horn/Strobe Combination	HS	Paging Speaker	SP
Heat Detector, Fixed Temperature	HT	Sprinkler Tamper Switch	TS
Manual Pull Station	M	Visual Appliance	V

TECHNICIANS REMARKS / DEFICIENCY FIRE ALARM / SPRINKLER SYSTEM

FIRE ALARM BREAKER IN BASEMENT TELECOM RM PANEL "E" BREAKER #19
DUCT SMOKE DETECTORS HAVE BEEN REMOVED FROM SYSTEM

EMERGENCY / EXIT LIGHTING:

FIRE EXTINGUISHERS / FIRE HOSES:

SAFE BLU

LOCATION	DEVICE	Correctly Installed	Requires Repair	Alarm Operation	Annunciation Confirmed	Zone Circuit #	Ground Fault	Flow Sw.Delay	NOTES
FRONT ENTRANCE	M			✓		23			
FRONT OFFICE AREA 2 WEST EXIT	M			✓		26			
MAIN OFFICE AREA N.E RM 103	S			✓		24			
MAIN OFFICE AREA	H/S			✓		S2			
STAFF ROOM KITCHEN RM 114	S			✓		30			
VICTIM SERVICES ROOM RM 103	S			✓		25			
HALL BY OFFICE WASHROOM RM 107	S			✓		31			
HALL TO GARAGE RM 121	S			✓		41			
FILE ROOM RM 115	S			✓		29			
INTERVIEW ROOM RM 122A	S			✓		28			
REAR DOOR TO STAIRS WEST EXIT	M			✓		26			
GARAGE EXIT RM 123	M			✓		32			
GARAGE RM 123	HT			✓		33			REPLACED DEC 2011
GARAGE	H/S			✓		S2			
CELL HALLWAY	S			✓		34			
CELL HALLWAY	H/S			✓		S2			
CELL HALL EXIT RM 119	M			✓		39			
CELL GUARD OFFICE RM 119	S			✓		40			
CELL OFFICE WASHROOM RM 120	S			✓		42			
NORTH CELL 1 RM 117	S			✓		43			
SOUTH CELL 2 RM 118	S			✓		38			
EXHIBIT HALL	S			✓					
JANITOR ROOM RM 124	HT			✓		S2			
EXHIBIT ROOM LOCKER	S								NO ACCESS
BASEMENT									
STAIRWELL RM 116	S			✓		27			
OPEN AREA ROOM 001	M			✓		17			
OPEN AREA ROOM	H/S			✓		S1			
MECHANICAL #1 RM 007	HT			✓		16			
FURNACE ROOM RM 004	HT			✓		11			
COMMUNICATION ROOM-ELECT RM 003	S			✓		12			
STORAGE ROOM 002	HT			✓		13			
EXERCISE ROOM RM 005 SOUTH	HT			✓		14			
EXERCISE ROOM RM 005 NORTH	HT			✓		15			REPLACED DEC 2011
CRAWL SPACE	HT			✓		21			
CRAWL SPACE	HT			✓		20			
CRAWL SPACE	HT			✓		19			
CRAWL SPACE	HT			✓		18			
CRAWL SPACE	H/S			✓		S1			

M=MANUAL STATION
S=SMOKE DETECTOR

RHT=RATE OF RISE HEAT
HT=FIX TEMPATURE HEAT

B=BELL
H=HORN
S=SPEAKER
V=STROBE LIGHT

APPENDIX E (INFORMATIVE) – ANNUAL FIRE ALARM SYSTEM TEST AND INSPECTION RECORDS

(Reference: 3.7, 5.1.1, 5.1.2)

E1. FIRE ALARM SYSTEM ANNUAL TEST AND INSPECTION REPORT

(Reference: 5.1.2)

Building name: Bow Island RCMP.		Date: Aug. 18/14	
Address	#401 - 2nd. ave E.		
System manufacturer: Notifier		Model number: NFS-320C	

A	System provides single-stage operation.	Yes ☑	No ☐	--
B	System provides two-stage operation.	Yes ☐	No ☑	--
C	The entire *fire alarm system* has been inspected and tested in accordance with CAN/ULC-S536, Inspection and Testing of Fire Alarm Systems.	Yes ☑	No ☐	--
D	The *fire alarm system* documentation is on site and includes a description of the system.	Yes ☑	No ☐	N/A ☐
E	The *fire alarm system* is fully functional.	Yes ☑	No ☐	N/A ☐
F	The *fire alarm system* has deficiencies noted on the pages attached.	Yes ☐	No ☑	N/A ☐
G	Comments			
H	A copy of this report will be given to the following, who is the owner or owner's representative for this *building:* SNC-Lavalin	Yes ☑	No ☐	--

This is to certify that the information contained in this Fire Alarm System Annual Test and Inspection Report is correct and complete.

Kyle Hutton	KOST Fire Safety	403-894-5953
Printed Name of Primary or Supervising Technician Conducting the Test and Inspection	Company	Telephone
[signature]	#4998	
Signature of Primary or Supervising Technician Conducting the Test and Inspection	Identification Number of Primary or Supervising Technician Conducting the Test and Inspection	

Printed Name of Technician Conducting the Test and Inspection	Company	Telephone
Signature of Technician Conducting the Test and Inspection	Identification Number of Technician Conducting the Test and Inspection	

E2. CONTROL UNIT OR TRANSPONDER TEST RECORD

YES ☐ = Tested Correctly NO ☐ = Did not test correctly (REFER TO REMARKS, E2.12) N/A ☐ = Not applicable FUNCTION OR FEATURE NOT PROVIDED ON THIS FIRE ALARM SYSTEM

E2.1 CONTROL UNIT OR TRANSPONDER TEST

(Reference: Clauses 5.1.3, 5.2.2.1)

Control unit or *transponder* location: Main Entrance
Control unit or *transponder* identification: Notifier

A	Power 'ON' visual indicator operates.	Yes ☑	No ☐	N/A ☐
B	Common visual *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
C	Common audible *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
D	*Trouble signal* silence switch operates.	Yes ☑	No ☐	N/A ☐
E	*Main power supply* failure *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
F	*Ground fault tested* on positive and negative initiates *trouble signal.*	Yes ☑	No ☐	N/A ☐
G	*Alert signal* operates.	Yes ☐	No ☐	N/A ☑
H	*Alarm signal* operates.	Yes ☑	No ☐	N/A ☐
I	Automatic transfer from *alert signal* to *alarm signal* operates.	Yes ☐	No ☐	N/A ☑
J	Manual transfer from *alert signal* to *alarm signal* operates.	Yes ☐	No ☐	N/A ☑
K	Automatic transfer from *alert signal* to *alarm signal* cancel (acknowledge) feature operates on a two-stage system.	Yes ☐	No ☐	N/A ☑
L	*Alarm signal* silence inhibit function operates.	Yes ☑	No ☐	N/A ☐
M	*Alarm signal* manual silence operates.	Yes ☑	No ☐	N/A ☐
N	*Alarm signal* silence visual indication operates.	Yes ☑	No ☐	N/A ☐
O	*Alarm signal*, when silenced, automatically reinitiates upon *subsequent alarm.*	Yes ☑	No ☐	N/A ☐
P	*Alarm signal* silence automatic cut-out timer.	Time: N/A		
Q	Audible and visual *alert signals* and *alarm signals* programmed and operate per *design* and *specification*; or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
R	*Input circuit*, alarm and supervisory operation, including audible and visual indication operates.	Yes ☑	No ☐	N/A ☐
S	*Input circuit* supervision fault causes a trouble indication.	Yes ☑	No ☐	N/A ☐
T	*Output circuit* alarm indicators operate.	Yes ☑	No ☐	N/A ☐

E2.1 continued...

...Continued E2.1

U	*Output circuit* supervision fault causes a trouble indication.	Yes ☑	No ☐	N/A ☐
V	Visual indicator *test* (lamp *test*).	Yes ☑	No ☐	N/A ☐
W	Coded signal sequences operate not less than the required number of times and the correct *alarm signal* operates thereafter.	Yes ☑	No ☐	N/A ☐
X	Coded signal sequences are not interrupted by *subsequent alarms*.	Yes ☑	No ☐	N/A ☐
Y	*Ancillary device* by-pass will result in a *trouble signal*.	Yes ☑	No ☐	N/A ☐
Z	*Input circuit* to *output circuit* operation, including *ancillary device* circuits, for correct program operation, as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
AA	*Fire alarm system* reset operates.	Yes ☑	No ☐	N/A ☐
BB	*Main power supply* to *emergency power supply* transfer operates.	Yes ☑	No ☐	N/A ☐
CC	*Status change confirmation* (*smoke detectors* only) verified. [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)].	Yes ☑	No ☐	N/A ☐
DD	Receipt of the alarm transmission to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐
EE	Receipt of the supervisory transmission to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐
FF	Receipt of the trouble transmission to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐
GG	Record the name and telephone number of the fire *signal receiving centre*.	Name: Local dispatch.		
		Telephone:		
HH	Operation of the fire *signal receiving centre* disconnect means results in a specific trouble indication at the *control unit* or *transponder* and transmits a *trouble signal* to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐

E2.2 VOICE COMMUNICATION TEST

N/A

(Reference: Clause 5.1.3, 5.2.3.1)

A	Power 'ON' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Common visual *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
C	Common audible *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
D	*Trouble signal* silence switch operates.	Yes ☐	No ☐	N/A ☐
E	All-call voice paging, including visual indicator, operates.	Yes ☐	No ☐	N/A ☐
F	*Output circuits* for selective voice paging, including visual indication, operates.	Yes ☐	No ☐	N/A ☐
G	*Output circuits* for selective voice paging trouble operation, including visual indication, operates.	Yes ☐	No ☐	N/A ☐
H	Microphone, including press to talk switch, operates.	Yes ☐	No ☐	N/A ☐
I	Operation of voice paging does not interfere with initial inhibit time of *alert signal* or *alarm signal*.	Yes ☐	No ☐	N/A ☐
J	All-call voice paging operates (on *emergency power supply*).	Yes ☐	No ☐	N/A ☐
K	Upon failure of one amplifier, system automatically transfers to backup amplifier(s).	Yes ☐	No ☐	N/A ☐
L	Circuits for emergency telephone call-in operation, including audible and visual indication, operates.	Yes ☐	No ☐	N/A ☐
M	Circuits for emergency telephones for operation, including two-way voice communication, operates.	Yes ☐	No ☐	N/A ☐
N	Circuits for emergency telephone trouble operation, including visual indication, operates	Yes ☐	No ☐	N/A ☐
O	Emergency telephone verbal communication operates.	Yes ☐	No ☐	N/A ☐
P	Emergency telephone operable or in-use tone at handset operates.	Yes ☐	No ☐	N/A ☐

E2.3 CONTROL UNIT OR TRANSPONDER INSPECTION N/A

(Reference: Clauses 5.1.3, 5.2.4.1)

Control unit or *transponder* location:
Control unit or *transponder* identification:

A	*Input circuit* designations correctly identified in relation to connected *field devices.*	Yes ☐	No ☐	N/A ☐
B	*Output circuit* designations correctly identified in relation to connected *field devices.*	Yes ☐	No ☐	N/A ☐
C	Correct designations for common control functions and indicators.	Yes ☐	No ☐	N/A ☐
D	Plug-in components and modules securely in place.	Yes ☐	No ☐	N/A ☐
E	Plug-in cables securely in place.	Yes ☐	No ☐	N/A ☐
F	Record the date, revision and version of *firmware* and *software program.*	Date:		
		Rev: _____	Ver:_____	
G	Clean and free of dust and dirt.	Yes ☐	No ☐	N/A ☐
H	Fuses in accordance with manufacturer's *specification.*	Yes ☐	No ☐	N/A ☐
I	*Control unit* or *transponder* lock functional.	Yes ☐	No ☐	N/A ☐
J	Termination points from wiring to *field devices* secure.	Yes ☐	No ☐	N/A ☐

E2.4 POWER SUPPLY INSPECTION

(Reference: Clauses 5.1.3, 5.3.1)

Control unit or *transponder* location: Main Entrance
Control unit or *transponder* identification: Notifier

A	Fused in accordance with the manufacturer's marked rating of the system.	Yes ☑	No ☐	N/A ☐
B	Adequate to meet the requirements of the system.	Yes ☑	No ☐	N/A ☐

E2.5 EMERGENCY POWER SUPPLY TEST AND INSPECTION

(Reference: Clauses 5.1.3, 5.3.2, 5.3.3)

Control unit or *transponder* location: Main Entrance
Control unit or *transponder* identification: Notifier

A	Correct battery type as recommended by manufacturer.	Yes ☑	No ☐	N/A ☐
B	Correct battery rating as determined by battery calculations based on full system load.	Yes ☑	No ☐	N/A ☐
C	Battery voltage with *main power supply* 'ON'.	27.5 V dc		
D	Battery voltage and current with *main power supply* 'OFF' and *fire alarm system* in supervisory condition.	Voltage: 26.9 V dc Current: — A		
E	Battery voltage and current with *main power supply* 'OFF' and *fire alarm system* in full load alarm condition.	Voltage: 26 V dc Current: — A		
F	Charging current.	— A		
G	Physical damage.	Yes ☐	No ☑	N/A ☐
H	Terminals cleaned and lubricated.	Yes ☑	No ☐	N/A ☐
I	Terminals clamped tightly.	Yes ☑	No ☐	N/A ☐
J	Correct electrolyte level.	Yes ☐	No ☐	N/A ☑
K	Specific gravity of electrolyte is within manufacturer's *specifications*.	Yes ☑	No ☐	N/A ☐
L	Electrolyte leakage.	Yes ☐	No ☑	N/A ☐
M	Adequate ventilation.	Yes ☑	No ☐	N/A ☐
N	Battery manufacturer's date code or in-service date.	Date: Nov. 20/12		
O	Disconnection causes *trouble signal*.	Yes ☑	No ☐	N/A ☐
P	Indicate type of battery *tests* performed: (i) Required supervisory load for 24 h followed by the required full load operation; or (ii) A silent *test* by using the load resistor method may be used for the full duration *test* (Refer to Appendix F1, Silent Test); or (iii) Silent accelerated *test*. (Refer to Appendix F2, Silent Accelerated Test);or (iv) A battery capacity meter *test*. (Refer to Appendix F3, Battery Capacity Meter Test); or (v) In lieu of the above battery *tests*, replace the battery with a new set having a current date code, amp-hour capacity and type as recommended by the manufacturer.	 Yes ☐ Yes ☐ Yes ☐ Yes ☑ Yes ☐	 No ☑ No ☑ No ☑ No ☐ No ☑	
Q	Record calculated battery capacity (Refer to Appendix F4.1-C).	20 A•h		
R	Record battery terminal voltage after completion of *tests*.	25.8 V dc		

E2.5 continued...

Continued E2.5 ...

S	Battery voltage not less than 85% of its rating after the *tests*.	Yes ☑	No ☐	N/A ☐
T	Generator provides power to the AC circuit serving the *fire alarm system*.	Yes ☐	No ☐	N/A ☑
U	Trouble condition at the emergency generator shall result in an audible common *trouble signal* and a visual indication at the required *annunciator*.	Yes ☐	No ☐	N/A ☑

E2.6 ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

(Reference: Clauses 5.1.4, 5.4.1) N/A

Annunciator or remote *trouble signal* unit location:
Annunciator or remote *trouble signal* unit identification:

A	Power 'on' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Individual alarm, and supervisory *input zones* are clearly indicated and separately designated.	Yes ☐	No ☐	N/A ☐
C	Individual alarm and supervisory *zone* designation labels are properly identified.	Yes ☐	No ☐	N/A ☐
D	Common *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
E	Visual indicator *test* (lamp *test*) operates.	Yes ☐	No ☐	N/A ☐
F	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
G	*Alarm signal* silence visual indicator operates.	Yes ☐	No ☐	N/A ☐
H	Switches for ancillary functions operate as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
I	Other ancillary function visual indicators operate.	Yes ☐	No ☐	N/A ☐
J	Manual activation of *alarm signal* and indication operates.	Yes ☐	No ☐	N/A ☐
K	Displays are visible in installed location operates.	Yes ☐	No ☐	N/A ☐
L	Operates on emergency power.	Yes ☐	No ☐	N/A ☐

E2.7 ANNUNCIATORS OR SEQUENTIAL DISPLAYS

(Reference: Clauses 5.1.4, 5.4.2) N/A

Annunciator or *sequential display* location:
Annunciator or *sequential display* identification:

A	Power 'on' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Individual alarm and supervisory *zone* indication operates.	Yes ☐	No ☐	N/A ☐ (See exception)
	Exception: Operation of each individual alarm and supervisory *zone* indication gives the identical indication, or lights the identical indicators at the other *annunciator(s)* and *sequential display(s)*.	Yes ☐	No ☐	N/A ☐
	Specify Method of confirmation: _____ _____			
	Minimum of one alarm *zone* and one supervisory *zone* tested per *annunciator* or *sequential display* to confirm operation.	Yes ☐	No ☐	N/A ☐
C	Individual alarm and supervisory *zone* designation labels are properly identified.	Yes ☐	No ☐	N/A ☐
D	Common *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
E	Visual indicator *test* (lamp *test*) operates.	Yes ☐	No ☐	N/A ☐
F	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
G	*Alarm signal* silence visual indicator operates.	Yes ☐	No ☐	N/A ☐
H	Switches for ancillary functions operate as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
I	Other ancillary functions visual indicators operate.	Yes ☐	No ☐	N/A ☐
J	Manual activation of *alarm signal* and indication operates.	Yes ☐	No ☐	N/A ☐
K	Displays are visible in installed location.	Yes ☐	No ☐	N/A ☐

E2.8 REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

N/A

(Reference: Clauses 5.1.4, 5.4.3)

Remote *trouble signal* unit location:
Remote *trouble signal* unit identification:

A	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
B	Visual *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
C	Audible *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
D	Audible *trouble signal* silence operates.	Yes ☐	No ☐	N/A ☐

E2.9 PRINTER TEST

N/A

(Reference Clauses 5.1.4, 5.5.1)

Printer location:
Printer identification:

A	Operates as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
B	*Zone* of each alarm initiating device is correctly printed.	Yes ☐	No ☐	N/A ☐
C	Rated voltage is present.	Yes ☐	No ☐	N/A ☐

E2.10 DATA COMMUNICATION LINK TEST

(Reference: Subsection 5.1.5, 5.6-Note) N/A

Control unit or *transponder* location:
Control unit or *transponder* identification:
Data communication link identification:

A	Confirm that a *trouble signal* is received at the *control unit* or *transponder* under an open loop fault for each *data communication link* (DCL).	Yes ☐	No ☐	N/A ☐
B	Where *fault isolation modules* are installed in *data communication links* serving *field devices*, wiring shall be shorted on the isolated side, *annunciation* of the fault confirmed, and then a *field device* on the source side shall be operated, and activation confirmed at the *control unit* or *transponder*.	Yes ☐	No ☐	N/A ☐
C	Where fault isolation in *data communication links* is provided between *control units* or *transponders* and between *transponders*, introduce a *short circuit fault* and confirm annunciation of the fault and operation outside the shorted section between each pair of:			
	(i) *Control unit* to *control unit*	Yes ☐	No ☐	N/A ☐
	(ii) *Control unit* to *transponder*	Yes ☐	No ☐	N/A ☐
	(iii) *Transponder* to *transponder*	Yes ☐	No ☐	N/A ☐

E2.11 ANCILLARY DEVICE CIRCUIT TEST

(Reference: Clause 5.2.2.1-Z) N/A

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	OPERATION OF ANCILLARY CIRCUIT CONFIRMED		
	Yes ☐	No ☐	N/A ☐
	Yes ☐	No ☐	N/A ☐
	Yes ☐	No ☐	N/A ☐

Note: The *tests* reported on this Form do not include the actual operational *test* of *ancillary devices*.

E2.12 REMARKS

(Reference: E2)

All is Working and in fairly good shape. Smoke Sensors were blown out with air.

(Attach additional sheets if further remarks are required)

E3. FIELD DEVICE RECORD

(Reference: Clause 5.1.6)

E3.1 FIELD DEVICE TESTING — LEGEND AND NOTES

(Reference: Clauses 5.7.4.1.3, 5.7.4.1.4, 5.7.4.1.5, 5.7.4.3.1, 5.7.4.5.1, 5.7.8.1.1, 5.7.8.2.2, 5.7.8.2.4)

DEVICE	DESCRIPTION	TYPE	MODEL NO.
M	*Manual Pull Station*	Single	Notifier
RHT	*Heat Detector*, Restorable	R.R.	Notifier
HT	*Heat Detector*, Non-restorable	Fixed	Notifier
S	*Smoke Detector* Sensitivity Test Method or Test Equipment: Model/Method: Smoke check Manufacturer Sensitivity Range: Sensitivity Range: _____	Not applicable	Not applicable
RI	Remote Indicator Unit		
DS	Duct *Smoke Detector*		
--	Other Type of Detector		
SFD	*Supporting Field Device* (Monitor)		
FS	Sprinkler Flow Switch		
SS	Sprinkler *Supervisory Device*		
--	Other *Supervisory Devices* (Low Pressure, Low Water, Low Temperature, Power Loss, etc.)		
EM	*Fault Isolation Module*		
B	Bell		
H	Horn	24VDC	Notifier
V	*Visible Signal Device*	24VDC	Notifier
SP	Cone Type Speaker		
HSP	Horn Type Speaker		
AD	*Ancillary Device*		
ET	Emergency Telephone		
EOL	End-of-Line Resistor		

The following notes apply to Appendix E3.2, Individual Device Record:

NOTE 1: *Smoke detector sensitivity* confirmation or measurement should be recorded in the remarks column.

NOTE 2: *Smoke detector* cleaning or replacement date should also be recorded in the remarks column.

NOTE 3: Status Change, including time delay, should be recorded in the remarks column.

NOTE 4: Duct *smoke detector* pressure differential should be confirmed and recorded in the remarks column.

E3.1 continued...

Continued E3.1 ...

NOTE 5: Time delay setting of water flow switch should be recorded in the remarks column.

NOTE 6: Sprinkler supervisory switches cause trouble condition to be annunciated but not an alarm condition.

NOTE 7: Upper and lower pressure setting of *supervisory devices* should be recorded in the remarks column.

NOTE 8: Low temperature setting should be recorded in the remarks column.

NOTE 9: Identify the specific *ancillary devices* in the remarks column.

NOTE 10: Identify date *field device* changed in the remarks column.

NOTE 11: Identify correct *field device* operation (e.g., alarm, trouble, supervisory, annunciation indication).

NOTE 12: Identify *zone*, circuit number, or address.

NOTE 13: Identify *conventional field device* locations.

NOTE 14: Identify *active field device* and *supporting field device*, *data communication link* (DCL), address and location.

NOTE 15: *Test* and confirm *conventional field device* supervision of wiring.

NOTE 16: Confirm *field device* free of damage.

NOTE 17: Confirm *field device* free of foreign substance (e.g. paint).

NOTE 18: Confirm *field device* mechanically supported independently of the wiring.

NOTE 19: Confirm *field device* protective dust shields or covers removed.

CAUTION: The *tests* reported on this Form do not include the actual operational *test* of *ancillary devices*.

E3.2 INDIVIDUAL DEVICE RECORD

(Reference: Clauses 5.7.1.3, E3.1)

BUILDING NAME: Bear Island RCMP PAGE 1 OF 1

DATE: Aug 18/14

Device Legends And Notes Are Listed In Appendix E3.1, Field Device Testing – Legend and Notes

LOCATION	DEVICE	CORRECTLY INSTALLED	REQUIRES SERVICE, REPAIRS, CLEANING OR MISSING	ALARM OPERATION CONFIRMED	ANNUNCIATION INDICATION CONFIRMED	ZONE CIRCUIT NUMBER OR ADDRESS	REMARKS
Office	Horn/Strobe	✓		✓			
Garage	Horn/Strobe	✓		✓			
Home	Buzzer	✓		✓			
~~Hallway Cell~~	~~Smoke~~						
Residence stairwell	Smoke	✓		✓	✓		
Residence Basement	Pull station	✓		✓	✓		
Hall by Cell	Smoke	✓		✓	✓		
Washroom	Smoke	✓		✓	✓		
Office	Smoke	✓		✓	✓		
Victim Services	Smoke	✓		✓	✓		
Coffee Rm.	Smoke	✓		✓	✓		
Holding Cell	Smoke	✓		✓	✓		
Vestuble Entrance	Smoke	✓		✓	✓		
West entrance	Pull station	✓		✓	✓		
NCO Office	Pull station	✓		✓	✓		
South exit to Garage	Pull station	✓		✓	✓		
NCO office	Smoke	✓		✓	✓		
Interview Room	Smoke	✓		✓	✓		
Garage	Smoke	✓		✓	✓		
Garage Storage	Heat	✓		✓	✓		
Furnace Room	Heat	✓		✓	✓		
basement Living Rm.	Heat	✓		✓	✓		
Residence Front Entrance	Pull station	✓		✓	✓		
Residence Rear Exit	Pull station	✓		✓	✓		
Hallway Residence	Smoke	✓		✓	✓		

SAFE BLU

Strathmore, AB.

Ph: 934 9387 Fax: 934 9344

FIRE ALARM SYSTEM ANNUAL TEST AND INSPECTION REPORT

DATE: July 22, 2014

BUILDING NAME: RCMP BROOKS DETACHMENT

ADDRESS: 310 – 4TH STREET WEST

COMPANY: SNC LAVALIN

CONTACT PERSON:

TELEPHONE NO: 403 794 4400

SYSTEM MANUFACTURER: EDWARDS QUICK START MODEL NO: QS1

OPERATION: SINGLE STAGE: ☒ TWO STAGE: ☐

TEST RESULTS

(EVERY LINE MUST HAVE THE APPROPRIATE MARKING IN THE SPACE PROVIDED)

This is to certify that the Fire Alarm System has been tested and inspected in accordance with Section 5 periodic inspections and tests – daily and monthly; and Section 6, periodic inspections and tests – yearly, and these records document the results of testing performed.

1. The Fire Alarm System is now fully functional. Yes ☒ No ☐

OR

2. The Fire Alarm System has deficiencies noted on the pages attached. Yes ☒ No ☐

Comments:

SEE PAGE 5 FOR COMMENTS:

A copy of this report will be given to: STAFF SGT JOHN HAILEY

Joel McGregor
Signature of Technician

24-7 Fire & Electrical Services Ltd.
Company Name

PRE-TEST CHECKLIST		
1.	Is there a fire department interconnection?	Yes ☐ No ☒
	If yes, take necessary steps to alert central station/fire department, etc. **DO NOT USE THE FIRE DEPARTMENT EMERGENCY TELEPHONE NUMBER.** **(IN CALGARY USE THE NON-EMERGENCY PHONE NUMBER 264-1022)** Name of person contacted at the central station or fire department:	
	Name _____ Title _____ Phone No. _____	
	Date and time fire alarm system is out of service: JULY 22, 2014 12:48 PM	
	Date and time fire alarm is back in service: JULY 22, 2014 4:30 PM	
2.	Do you have auxiliary functions that can impair building functions such as elevator capture, fan shutdown, door holders, etc.?	Yes ☒ No ☐
2a.	Can these be disabled and tested by groups?	Yes ☒ No ☐
3.	Have building occupants been made aware of fire alarm testing?	Yes ☒ No ☐
4.	Has a pre-determined time been established for testing signaling devices?	Yes ☒ No ☐
5.	Have provisions been made for acquiring access to the secured areas of the building?	Yes ☒ No ☐
6.	Has an alternative plan been established to alert occupants and local fire department should an actual fire condition occur during testing?	Yes ☒ No ☐
7.	The fire alarm system has emergency power provided by:	AC Generator ☐ Rechargeable battery ☒

EVERY LINE MUST HAVE THE APPROPRIATE MARKING IN THE BOX PROVIDED

YES	NO	NOT APPLICABLE (NA)
Tested correctly	Did not test correctly (See Remarks Section)	Function or feature not provided on this fire alarm system.

ALARM SIGNAL TESTS	YES	NO	NA
All alarm signaling appliances sound simultaneously in the general alarm state powered by the emergency power supply (5 min. minimum duration).	☐	☐	☒
All audible alarm signals sound simultaneously in the evacuation alarm state powered by the emergency power supply (as per the Alberta Building Code 1990).	☒	☐	☐
Alarm signals are audible throughout the building.	☒	☐	☐
Visual alarm signals clearly indicate a visual alarm to all points in the visual alarm area when operated on normal power supply.	☐	☐	☒
Each audible and visual signaling device has been tested.	☒	☐	☐
NUMBER OF AUDIBLE / VISUAL DEVICES:			

CONTROL UNIT TESTS	YES	NO	NA
Power on Visual Indicator	☒	☐	☐
Common Visual Trouble Lamp	☒	☐	☐
Common Audible Trouble Signal	☒	☐	☐
Trouble Signal Silence Switch	☒	☐	☐
AC Power Failure Trouble	☒	☐	☐
Main Power Supply Failure Trouble Signal	☒	☐	☐
Ground Fault Tested on Positive and Negative Trouble Signal	☒	☐	☐
Control Panel Interconnection to Fire Department Confirmed	☐	☐	☒
Alert Signal Operation	☐	☐	☒
Alarm Signal Operation	☒	☐	☐
Automatic Transfer from Alert Signal to Alarm Signal	☐	☐	☒
Acknowledge Switch Operation	☒	☐	☐
Alarm Signal Silence Inhibit	☒	☐	☐
Alarm Signal Silence Operation	☒	☐	☐
Alarm Signal Silence Visual Indication	☒	☐	☐
Alarm Signal, when silenced, Automatically Reinitiate Upon Subsequent Alarm	☒	☐	☐
Alarm Signal Silence Automatic Cut – Out Timer	☐	☐	☒
Input Circuit, Alarm & Supervisory Operation Including Visual Indicator	☒	☐	☐
Input Circuit Trouble Operation	☒	☐	☐
Output Circuit Alarm Operation	☒	☐	☐
Output Circuit Trouble Operation	☒	☐	☐
Visual Indicator Test (Lamp Tests)	☒	☐	☐
Reset Operation	☒	☐	☐
Main Power Supply to Emergency Power Supply Transfer	☐	☐	☒
Control Panel Locked	☒	☐	☐
Control Unit Interconnection to Monitoring Station	☒	☐	☐
Monitoring Company Name and Phone #			
Building System ID # and Pass Code ID #			

BATTERY TESTS		
Correct Battery Type as Recommended by Manufacturer	2 X	12V 12 AH REPLACED 2013
Correct Rating as Determined by Battery Calculations based on Full System Load		YES ☐ NO ☐
Battery Voltage (AC Power On)		NOT ACCESSABLE
Battery Charging Current (AC Power On)		
Battery Voltage (AC Power Off - Supervisory Condition)		
Battery Voltage (AC Power Off - General Alarm Condition) Full Load		

BATTERY TESTS INSPECTIONS	YES	NO	NA
Battery Inspected for Physical Damage	☐	☐	☐
Battery Terminals Cleaned and Lubricated	☐	☐	☐
Battery Terminals Clamped Tightly	☐	☐	☐
Within Manufacturer's Rated Life Date Code	☒	☐	☐
Disconnection Causes Trouble Signal	☒	☐	☐

REMOTE TROUBLE UNIT	YES	NO	NA
Input Wiring from Control Unit is Supervised	☐	☐	☒
Visual Trouble Signal	☐	☐	☒
Audible Trouble Signal	☐	☐	☒
Audible Trouble Signal Silence	☐	☐	☒

POWER SUPPLY INSPECTION	YES	NO	NA
Fused in Accordance with Manufacturer's Marked Rating of the System	☒	☐	☐
Adequate to Meet the Requirements of the System	☒	☐	☐

ANNUNCIATOR TESTS	YES	NO	NA
Power On Indicator	☒	☐	☐
Individual Alarm & Supervisory Zone Indication	☒	☐	☐
Individual Alarm & Supervisory Zone Designation Labels are Properly Identified	☒	☐	☐
Common Trouble Signal	☒	☐	☐
Visual Indicator Test (Lamp Test)	☒	☐	☐
Input Wiring from Control Unit is Supervised	☒	☐	☐
Switches for Ancillary Functions Operate as Intended	☒	☐	☐
Alarm Signal Silence Visual Indicator	☒	☐	☐
Other Ancillary Functions Visual Indicators	☒	☐	☐
Manual Activation of Alarm Signal & Indication	☒	☐	☐

CONTROL UNIT INSPECTIONS	YES	NO	NA
Input Circuit Designations, Correctly Identified in Relation to Connected Field Devices	☒	☐	☐
Output Circuit Designations, Correctly Identified in Relation to Connected Field Devices	☒	☐	☐
Designations for Common Control Functions & Indicators	☒	☐	☐
Cabinet, Plug-In Components, Modules, and Cables Securely in Place	☒	☐	☐
Cleanliness	☒	☐	☐
Fuses in Accordance with Manufacturer's Specification	☒	☐	☐

ANCILLARY DEVICES	If no ancillary devices are present check here ☐
TYPE OF DEVICE (List)	**OPERATIONAL**
FURNACE FANS	YES ☒ NO ☐
CELL EXHAUST FAN	YES ☒ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐

***NOTE: Power supply for ancillary devices must not be from fire alarm power supply circuit.**

AFTER TEST CHECKLIST	YES	NO	NA
Reconnect Auxiliary Functions (off site connections)	☒	☐	☐
Reconnect Ancillary Functions	☒	☐	☐
Reconnect Time Limit Cutouts	☐	☐	☒
Ensure Fire Alarm System is on Normal Power	☒	☐	☐
Advise Building Management Work Is Completed	☒	☐	☐
Advise Fire Department Work Is Completed	☒	☐	☐
Ensure That the Alarm System Is Functional	☒	☐	☐

SUMMARY		
1.	The fire alarm system is now **FULLY** functional.	YES ☐ NO ☒
2.	The fire alarm system is operational with minor deficiencies as noted in this report.	YES ☒ NO ☐
3.	The fire alarm system has major deficiencies as noted in this report.	YES ☒ NO ☐
4.	A copy of this report will been given to: STAFF SGT JOHN HAILEY	
BUILDING OWNER / BUILDING OWNER'S REPRESENTATIVE		

TEST AND MAINTENANCE CODES REQUIRE THAT THE BUILDING OWNER FOR A MINIMUM OF TWO YEARS MAINTAIN THIS RECORD.

DEVICE LEGEND

Bell	B	Pressure Switch	PS
Duct Smoke Detector	DS	Remote Relay	REL
Fire Phone	FP	Heat Detector, Rate of Rise	RHT
Sprinkler Flow Switch	FS	Smoke Detector	S
Horn	H	Smoke Alarm	SA
Horn/Strobe Combination	HS	Paging Speaker	SP
Heat Detector, Fixed Temperature	HT	Sprinkler Tamper Switch	TS
Manual Pull Station	M	Visual Appliance	V

TECHNICIANS REMARKS / DEFICIENCY FIRE ALARM / SPRINKLER SYSTEM

FULL PANEL ACCESS IS BLOCKED BY DESK IN FRONT OF PANEL

CELL 1 SMOKE DETECTOR WOULD NOT ACTIVATE – REQUIRES REPLACEMENT

DUCT SMOKE DETECTORS ARE INSTALLED BACKWORDS AND DOES NOT DRAW AIR INTO DETECTOR

OLD DUCT SMOKE DETECTORS (3) HAVE BEEN DISCONNECTED BUT NOT REMOVED.

NORTH OFFICE AREA AND FACP ROOM HEAT DETECTORS FAILED – REQUIRE REPLACEMENTS

EMERGENCY / EXIT LIGHTING:

FIRE EXTINGUISHERS / FIRE HOSES:

RCMP BROOKS DETACHMENT

SAFE BLU

FIRE ALARM DEVICE REPORT

LOCATION	DEVICE	Correctly Installed		Requires Repair		Alarm Operation		Annunciation Confirmed	Device address #	Ground Fault	Flow Sw Delay	NOTES
FRONT ENTRANCE RECEPTION	M			✓		128						
FRONT ENTRANCE RECEPTION	CFR-135			✓		070						
SOFT INTERVIEW ROOM	CFR-135					071						OCCUPIED
VICTIM SERVICES ROOM	CFR-135			✓		072						
FILE ROOM	CFR-135			✓		061						
STORAGE ROOM	CFR-135			✓		068						
WATER METER ROOM	CFR-135			✓		069						
SECURE BAY CONV. AREA	CFR-135					132						OCCUPIED
SECURE BAY CONV. AREA	M											BLOCKED 2014
PUBLIC WASHROOM	CFR-135			✓		059						
JANITOR ROOM	CFR-135			✓		073						
MENS BATHROOM	CFR-135			✓		066						
MENS LOCKER ROOM	CFR-136			✓		060						
SOUTH ENTRANCE	M			✓		130						
WOMENS CHANGE ROOM	CFR-135			✓		058						
RADIO ROOM	CFR-135			✓		043						
FILE STORAGE ROOM	CFR-135			✓		067						
BULLPEN OFFICE NORTH	CFR-135			✓		063						
OFFICE NORTH	CFR-135					065						DEFECTIVE 2014
NORTH ENTRANCE	M			✓		135						
ELECTRICAL METER ROOM	S			✓		034						
OFFICE 2	CFR-135			✓		064						SARGENT'S OFFICE
SARGENT OFFICE	CFR-135			✓		062						STAFF SARGENT'S OFFICE
2ND FLOOR												
NORTH STAIR	S			✓		036						
NORTH STAIR EXIT	M			✓		129						
G.I.S. ROOM NORTH	CFR-135			✓		057						
G.I.S. ROOM SOUTH	CFR-135			✓		056						
DOMESTIC VIOLENCE ROOM	CFR-135			✓		055						
COOKING ROOM	CFR-135			✓		054						
SOUTH STAIR	M			✓		127						
MECHANICAL ROOM NORTH	CFR-135			✓		053						
MECHANICAL ROOM SOUTH	CFR-135			✓		052						
PROJECT ROOM	S			✓		039						
OUTSIDE NCO OFFICE	S			✓		040						
NCO OFFICE	S			✓								NO ACCESS 2013
NORTH HALL	S			✓		033						
CENTER HALL	S			✓		032						
HALL EXIT	S			✓		031						
LUNCH ROOM SOUTH	S			✓		030						
LUNCH ROOM NORTH	S			✓		027						

M=MANUAL STATION
S=SMOKE DETECTOR

RHT=RATE OF RISE HEAT
HT=FIXED HEAT

B=BELL
H=HORN
S=SPEAKER
V=STROBE LIGHT

RCMP BROOKS DETACHMENT

SAFE BLU

FIRE ALARM DEVICE REPORT

LOCATION	DEVICE	Correctly Installed	Requires Repair	Alarm Operation	Annunciation Confirmed	Device address #	Ground Fault	Flow Sw.Delay	NOTES
CRAWL SPACE SOUTH	S			✓		026			
CRAWL SPACE CENTER	S			✓		029			
CRAWL SPACE NORTH	S								NO ACCESS DUE TO DUCTWORK
WAIT ROOM	S			✓		041			EXERCISE ROOM
EXERCISE ROOM	S			✓		037			
SOUTH EXIT STAIR	S			✓		035			
ACTIVE CENTER RETURN AIR	D/S			✓		023			INSTALLED BACKWARDS
SOUTH RETURN AIR	D/S			✓		022			INSTALLED BACKWARDS
NORTH RETURN AIR	D/S			✓		024			INSTALLED BACKWARDS
MECHANICAL RM	S			✓		025			
SECURE GUN ROOM	S			✓		042			
OVER NIGHT EXIBIT ROOM	HT			✓		049			
SECURE STORAGE	HT			✓		051			
CELL BLOCK									
CELL HALL NORTH	S			✓		019			
CELL HALL CENTER	S			✓		020			
CELL HALL SOUTH	S			✓		021			
SECURE BAY NORTH	HT					132			NO ACCESS
FINGERPRINT ROOM	HT			✓		050			
GUARD STATION	M			✓		134			
CELL #2	S			✓		045			
CELL #3	S					046			OCCUPIED
CELL #4	S			✓		047			
CELL #5	S			✓		048			
CELL #1	S			✓					DEFECTIVE 2014
AUDIBLE VISUAL									
NORTH MAIN ENTRANCE	H/S			✓					
SOUTH MAIN ENTRANCE	H/S			✓					
2ND FLOOR S	H/S			✓					
2ND FLOOR N	H/S			✓					

M=MANUAL STATION
S=SMOKE DETECTOR

RHT=RATE OF RISE HEAT
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B=BELL
H=HORN
S=SPEAKER
V=STROBE LIGHT

SAFE BLU
Strathmore, AB.
Ph: 934 9387 Fax: 934 9344

FIRE ALARM SYSTEM ANNUAL TEST AND INSPECTION REPORT

DATE: JULY 8, 2014

BUILDING NAME: CALGARY AIRPORT RCMP BUILDING

ADDRESS: 1874 AIRPORT ROAD N.E

COMPANY:

CONTACT PERSON:

TELEPHONE NO:

SYSTEM MANUFACTURER: SIMPLEX MODEL NO: SIMPLEX 4005

OPERATION: SINGLE STAGE: ☒ TWO STAGE: ☐

TEST RESULTS

(EVERY LINE MUST HAVE THE APPROPRIATE MARKING IN THE SPACE PROVIDED)

This is to certify that the Fire Alarm System has been tested and inspected in accordance with Section 5 periodic inspections and tests – daily and monthly; and Section 6, periodic inspections and tests – yearly, and these records document the results of testing performed.

1. The Fire Alarm System is now fully functional. Yes ☒ No ☐

   OR

2. The Fire Alarm System has deficiencies noted on the pages attached. Yes ☐ No ☒

Comments:

REPLACED BATTERIES 5 YEARS OLD
MONITORING WIRES IN FIRE ALARM PANEL ARE NOT TERMINATED TO FIRE PANEL. FLOATING BESIDE CPU WITH END OF LINE RESISTORS CONNECTED TO WIRES

A copy of this report will be given to:

Ken MacLean	P0553	24-7 Fire & Electrical Services Ltd.
Signature of Technician	Technician's Certification Number	Company Name

PRE-TEST CHECKLIST		
1.	Is there a fire department interconnection?	Yes ☐ No ☒
	If yes, take necessary steps to alert central station/fire department, etc. **DO NOT USE THE FIRE DEPARTMENT EMERGENCY TELEPHONE NUMBER.** **(IN CALGARY USE THE NON-EMERGENCY PHONE NUMBER 264-1022)** Name of person contacted at the central station or fire department:	
	Name _____ Title _____ Phone No. _____	
	Date and time fire alarm system is out of service: JULY 8, 2014 8:00 AM	
	Date and time fire alarm is back in service: JULY 8, 2014 12:00 PM	
2.	Do you have auxiliary functions that can impair building functions such as elevator capture, fan shutdown, door holders, etc.?	Yes ☒ No ☐
2a.	Can these be disabled and tested by groups?	Yes ☒ No ☐
3.	Have building occupants been made aware of fire alarm testing?	Yes ☒ No ☐
4.	Has a pre-determined time been established for testing signaling devices?	Yes ☒ No ☐
5.	Have provisions been made for acquiring access to the secured areas of the building?	Yes ☒ No ☐
6.	Has an alternative plan been established to alert occupants and local fire department should an actual fire condition occur during testing?	Yes ☒ No ☐
7.	The fire alarm system has emergency power provided by:	AC Generator ☐ Rechargeable battery ☒

EVERY LINE MUST HAVE THE APPROPRIATE MARKING IN THE BOX PROVIDED

YES	NO	NOT APPLICABLE (NA)
Tested correctly	Did not test correctly (See Remarks Section)	Function or feature not provided on this fire alarm system.

ALARM SIGNAL TESTS	YES	NO	NA
All alarm signaling appliances sound simultaneously in the general alarm state powered by the emergency power supply (5 min. minimum duration).	☒	☐	☐
All audible alarm signals sound simultaneously in the evacuation alarm state powered by the emergency power supply (as per the Alberta Building Code 1990).	☒	☐	☐
Alarm signals are audible throughout the building.	☒	☐	☐
Visual alarm signals clearly indicate a visual alarm to all points in the visual alarm area when operated on normal power supply.	☒	☐	☐
Each audible and visual signaling device has been tested.	☒	☐	☐
NUMBER OF AUDIBLE / VISUAL DEVICES:			

CONTROL UNIT TESTS	YES	NO	NA
Power on Visual Indicator	☒	☐	☐
Common Visual Trouble Lamp	☒	☐	☐
Common Audible Trouble Signal	☒	☐	☐
Trouble Signal Silence Switch	☒	☐	☐
AC Power Failure Trouble	☒	☐	☐
Main Power Supply Failure Trouble Signal	☒	☐	☐
Ground Fault Tested on Positive and Negative Trouble Signal	☒	☐	☐
Control Panel Interconnection to Fire Department Confirmed	☐	☐	☒
Alert Signal Operation	☐	☐	☒
Alarm Signal Operation	☒	☐	☐
Automatic Transfer from Alert Signal to Alarm Signal	☐	☐	☒
Acknowledge Switch Operation	☒	☐	☐
Alarm Signal Silence Inhibit	☐	☐	☒
Alarm Signal Silence Operation	☒	☐	☐
Alarm Signal Silence Visual Indication	☒	☐	☐
Alarm Signal, when silenced, Automatically Reinitiate Upon Subsequent Alarm	☒	☐	☐
Alarm Signal Silence Automatic Cut – Out Timer	☐	☐	☒
Input Circuit, Alarm & Supervisory Operation Including Visual Indicator	☒	☐	☐
Input Circuit Trouble Operation	☒	☐	☐
Output Circuit Alarm Operation	☒	☐	☐
Output Circuit Trouble Operation	☒	☐	☐
Visual Indicator Test (Lamp Tests)	☒	☐	☐
Reset Operation	☒	☐	☐
Main Power Supply to Emergency Power Supply Transfer	☒	☐	☐
Control Panel Locked	☒	☐	☐
Control Unit Interconnection to Monitoring Station	☐	☒	☐
Monitoring Company Name and Phone #			
Building System ID # and Pass Code ID #			

BATTERY TESTS		
Correct Battery Type as Recommended by Manufacturer	2 X	12V -12AH NEW 2014
Correct Rating as Determined by Battery Calculations based on Full System Load		YES ☒ NO ☐
Battery Voltage (AC Power On)		27.79v
Battery Charging Current (AC Power On)		150 MA – 500MA
Battery Voltage (AC Power Off - Supervisory Condition)		25.80v 420MA
Battery Voltage (AC Power Off - General Alarm Condition) Full Load		25.30v 1.2AMP

BATTERY TESTS INSPECTIONS	YES	NO	NA
Battery Inspected for Physical Damage	☒	☐	☐
Battery Terminals Cleaned and Lubricated	☒	☐	☐
Battery Terminals Clamped Tightly	☒	☐	☐
Within Manufacturer's Rated Life Date Code	☒	☐	☐
Disconnection Causes Trouble Signal	☒	☐	☐

REMOTE TROUBLE UNIT	YES	NO	NA
Input Wiring from Control Unit is Supervised	☐	☐	☒
Visual Trouble Signal	☐	☐	☒
Audible Trouble Signal	☐	☐	☒
Audible Trouble Signal Silence	☐	☐	☒

POWER SUPPLY INSPECTION	YES	NO	NA
Fused in Accordance with Manufacturer's Marked Rating of the System	☒	☐	☐
Adequate to Meet the Requirements of the System	☒	☐	☐

ANNUNCIATOR TESTS	YES	NO	NA
Power On Indicator	☒	☐	☐
Individual Alarm & Supervisory Zone Indication	☒	☐	☐
Individual Alarm & Supervisory Zone Designation Labels are Properly Identified	☒	☐	☐
Common Trouble Signal	☒	☐	☐
Visual Indicator Test (Lamp Test)	☒	☐	☐
Input Wiring from Control Unit is Supervised	☒	☐	☐
Switches for Ancillary Functions Operate as Intended	☐	☐	☒
Alarm Signal Silence Visual Indicator	☐	☐	☒
Other Ancillary Functions Visual Indicators	☐	☐	☒
Manual Activation of Alarm Signal & Indication	☒	☐	☐

CONTROL UNIT INSPECTIONS	YES	NO	NA
Input Circuit Designations, Correctly Identified in Relation to Connected Field Devices	☒	☐	☐
Output Circuit Designations, Correctly Identified in Relation to Connected Field Devices	☒	☐	☐
Designations for Common Control Functions & Indicators	☒	☐	☐
Cabinet, Plug-In Components, Modules, and Cables Securely in Place	☒	☐	☐
Cleanliness	☒	☐	☐
Fuses in Accordance with Manufacturer's Specification	☒	☐	☐

ANCILLARY DEVICES If no ancillary devices are present check here ☐

TYPE OF DEVICE (List)	OPERATIONAL
FURNACE SHUTDOWN	YES ☒ NO ☐
DOOR MAG LOCK	YES ☒ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐

***NOTE: Power supply for ancillary devices must not be from fire alarm power supply circuit.**

AFTER TEST CHECKLIST	YES	NO	NA
Reconnect Auxiliary Functions (off site connections)	☒	☐	☐
Reconnect Ancillary Functions	☒	☐	☐
Reconnect Time Limit Cutouts	☐	☐	☒
Ensure Fire Alarm System is on Normal Power	☒	☐	☐
Advise Building Management Work Is Completed	☒	☐	☐
Advise Fire Department Work Is Completed	☒	☐	☐
Ensure That the Alarm System Is Functional	☒	☐	☐

SUMMARY		
1.	The fire alarm system is now **FULLY** functional.	YES ☒ NO ☐
2.	The fire alarm system is operational with minor deficiencies as noted in this report.	YES ☐ NO ☒
3.	The fire alarm system has major deficiencies as noted in this report.	YES ☐ NO ☒
4.	A copy of this report will been given to:	
BUILDING OWNER / BUILDING OWNER'S REPRESENTATIVE		

TEST AND MAINTENANCE CODES REQUIRE THAT THE BUILDING OWNER FOR A MINIMUM OF TWO YEARS MAINTAIN THIS RECORD.

DEVICE LEGEND

Bell	B	Pressure Switch	PS
Duct Smoke Detector	DS	Remote Relay	REL
Fire Phone	FP	Heat Detector, Rate of Rise	RHT
Sprinkler Flow Switch	FS	Smoke Detector	S
Horn	H	Smoke Alarm	SA
Horn/Strobe Combination	HS	Paging Speaker	SP
Heat Detector, Fixed Temperature	HT	Sprinkler Tamper Switch	TS
Manual Pull Station	M	Visual Appliance	V

TECHNICIANS REMARKS / DEFICIENCY FIRE ALARM / SPRINKLER SYSTEM

All devices tested OK.
REPLACED BATTERIES 5 YEARS OLD
MONITORING WIRES IN FIRE ALARM PANEL ARE NOT TERMINATED TO FIRE PANEL. FLOATING BESIDE CPU WITH END OF LINE RESISTORS CONNECTED TO WIRES

EMERGENCY / EXIT LIGHTING:

FIRE EXTINGUISHERS / FIRE HOSES:

CALGARY AIRPORT RCMP STATION

SAFE BLUE
FIRE ALARM DEVICE REPORT

JULY 08, 2014

LOCATION	DEVICE	Correctly Installed	Requires Repair	Alarm Operation	Annunciation Confirmed	Zone Circuit #	Ground Fault	Flow Sw.Delay	NOTES
FRONT ENTRANCE WASHROOM	HT			✓		1			
BY FIRE PANEL	M			✓		1			
BY FIRE PANEL	B			✓		S1			
OFFICE BY FIRE PANEL	HT			✓		1			
OFFICE BY FIRE PANEL	B			✓		S1			
EAST ENTRY	M			✓		1			
EAST ENTRY	S			✓		1			
EAST ENTRY	B			✓		S1			
BULLPEN	B			✓		S1			
LUNCH ROOM	RHT			✓		1			
MEN'S WASHROOM	HT			✓		1			
LUNCH ROOM	B			✓		S1			
WOMEN'S WASHROOM	HT			✓		1			
WEST EXIT	M			✓		1			
JANITORS ROOM	HT			✓		1			
GUN ROOM	HT			✓		1			
SECURE FAX ROOM #105	HT			✓		3			
FILE ROOM #103	HT			✓		3			
HALLWAY BY ROOM #103	B			✓		S1			
SECURE FILE ROOM #104	HT			✓		3			
HALLWAY TO CELLBLOCK	B			✓		S2			
HALLWAY TO CELLBLOCK	S			✓		3			OVER TEN YEARS OLD
CELLBLOCK ENTRANCE	M			✓		3			
CELLBLOCK DESK AREA	HT			✓		3			
CELLBLOCK WASHROOM	HT			✓		3			
CELLBLOCK HALL	B			✓		S2			
CELLBLOCK HALL EAST	S			✓		3			OVER TEN YEARS OLD
CELLBLOCK HALL CENTER	S			✓		3			OVER TEN YEARS OLD
CELLBLOCK HALL WEST	S			✓		3			OVER TEN YEARS OLD
CELLBLOCK OFFICE	HT			✓		3			
CELLBLOCK STORAGE	HT			✓		3			
FINGERPRINT ROOM	HT			✓		3			
CELL #143	S			✓		5			
CELL#142	S			✓		6			
CELL#140	S			✓		7			
CELL#138	S			✓		8			

CALGARY AIRPORT RCMP STATION

SAFE BLUE
FIRE ALARM DEVICE REPORT

JULY 08, 2014

LOCATION	DEVICE	Correctly Installed	Requires Repair	Alarm Operation	Annunciation Confirmed	Zone Circuit #	Ground Fault	Flow Sw.Delay	NOTES
GARAGE WEST	HT			✓		3			
GARAGE WEST	HT			✓		3			
GARAGE WEST	M			✓		3			
GARAGE WEST	B			✓		S2			
GARAGE EAST	HT			✓		3			
GARAGE EAST	HT			✓		3			
GARAGE EAST	M			✓		3			
GARAGE EAST	B			✓		S1			
EAST STAIRWELL	S			✓		9			
EAST BASEMENT	M			✓		12			
EAST BASEMENT	B			✓		S3			
TELEPHONE ROOM	HT			✓		12			
ELECTRICAL	HT			✓		12			
SERVER ROOM	HT			✓		12			
FURNACE ROOM	HT			✓		13			
FURNACE ROOM	HT			✓		13			
FURNACE ROOM	B			✓		S3			
BASEMENT MEN'S LOCKER ROOM EAST	HT			✓		12			
BASEMENT MEN'S LOCKER ROOM WEST	HT			✓		12			
BASEMENT MEN'S LOCKER ROOM WASHROOM	HT			✓		12			
BASEMENT MEN'S LOCKER ROOM	B			✓		S3			
BASEMENT INTERVIEW ROOM	S			✓		12			
BASEMENT LADIES LOCKER ROOM	HT			✓		12			
BASEMENT LADIES LOCKER WASHROOM	HT			✓		12			
JANITOR ROOM	HT			✓		12			
EXERCISE ROOM EAST	HT			✓		11			
EXERCISE ROOM ALSO	HT			✓		11			
EXERCISE ROOM WEST	HT					11			NO ACCESS
JET WAY STORAGE ROOM	HT			✓		11			
BASEMENT WEST	M			✓		11			
BASEMENT WEST	B			✓		S3			
ELEVATOR ROOM	HT			✓		11			
EXHIBIT PROCESS ROOM	HT			✓		11			
EXHIBIT VAULT	RHT			✓		11			
AIR EXCHANGE ROOM	RHT			✓		11			
WEST STAIRWELL EXIT	S			✓		10			
GENERATOR BUILDING	B			✓		S1			
GENERATOR BUILDING	M			✓		4			
GENERATOR BUILDING	HT			✓		4			

Banff Fire and Safety

Fire Alarm Inspection Report

Customer:	**ROYAL CANADIAN MOUNTED POLICE**
Location:	**CANMORE DETACHMENT**
Address:	101 Elk Run Blvd., Canmore
Date:	July 17, 2014
Contact:	SNC Lavalin - Stan (403) 888-3605
Contact:	On-site -
Inspected By:	Dennis Olsen/Paul Marinelli

Bring solo kit to test heat detectors

Make of Panel:	Edwards	Quick Start
Make of Smoke Detectors:	Edwards	Siga PS & SIGA IPHS
Make of Heat Detectors:	Edwards	Siga - HRS
Make of Alarm Pull Box:	Edwards	SIGA-270
Make of Alarm Signal:	Edwards	Genesis Red - Horn Strobe

Bell Zones

Z1 ~ Entire Building
Z2 ~ Guard Room Buzzer
Z3 ~ Buzzer in Panel

Zones: Addressable

Z1 ~ Basement
Z2 ~ Duct Smokes
Z3 ~ Crawl Space
Z4 ~ Admin Area
Z5 ~ Prisoner/Storage Area
Z6 ~ Holding Cell
Z7 ~ Cell #131
Z8 ~ Cell #132
Z9 ~ Stairwell
Z10 ~ Door Mag

EOL:	Location	Device	Zone	Operation	Address	Comments:
	Reception 102	Heat	4	OK	D50	
	Vestibule 101	Smoke	4	OK	D37	
	Corridor 110	Horn Strobe	1	OK	N/A	
	Corridor 110	Smoke	4	OK	D38	
	Main Entrance	Pull	4	OK	D135	
	Office # 103	Heat	4	OK	D46	
	Office # 104	Heat	4	OK	D47	
	Office # 105	Heat	4	OK	D48	
	Open Area Office #106	Smoke	4	OK	D23	
	Open Area Office	Horn Strobe	1	OK	N/A	
	Work Station Room #107	Heat	4	OK	D64	Fire Alarm Panel Room
	Interview Room 108	Smoke	4	OK	D62	

✓	Hall by File Room	Horn Strobe	1	OK	N/A	
	File Room / Storage 109	Smoke	1	OK	D36	
	Corridor 110 North	Smoke	4	OK	D39	
	Room 111A	Heat	4	OK	D51	
	Legal Council Conf. Room	Smoke	5	OK	D22	Room #127
	Lunch Room 111B	Heat	4	OK	D52	
	Male Washroom 113	Heat	4	OK	D57	
	Ladies Locker Room 112	Heat	4	OK	D63	
	Female Washroom 112	Heat	4	OK	D53	
	Vestibule 114	Smoke	4	OK	D40	
✓✓	Vestibule 114	Pull	4	OK	D131	
	Garage Room 115	Pull	5	OK	D134	
	Garage Room 115	Heat	5	OK	D45	
	Storage Area Room 116	Heat	5	OK	D44	stolen goods storage
✓✓	Guard's Room Exit 121	Pull	4	OK	D132	
	Guard Room	Horn Strobe	1	OK	N/A	
	Prison Guard Room	Smoke	4	OK	D42	
	Corridor 128	Smoke	4	OK	D21	Cell hall
	Corridor 125 North	Smoke	4	OK	D30	Cell hall
	Corridor 133	Smoke	4	OK	D35	Cell hall
	Corridor 125	Smoke	4	OK	D33	Cell hall
	Effect Room #123	Smoke	4	OK	D26	
	Shower Room #124	Smoke	4	OK	D34	
	Guard Washroom Room #120	Smoke	5	OK	D19	
	Room #118	Heat	4	OK	D32	Fingerprint Room
	Room 119 Smoke/Heat	Smoke	4	OK	D31	
	Effects Room #123	Heat	5	OK	D27	Radio Room
	Exhibit Room 130	Smoke	5	OK	D28	
	Basement Gym Room 105	Heat	6	OK	D03	
	Basement Weapons Storage	Heat	6	OK	D04	
✓	Basement Corridor 004	Pull	6	OK	D126	
	Basement Corridor	Smoke	1	OK	D20	
	Basement Exit	Horn Strobe	1	OK	D020	
	Basement Janitor Storage	Heat	6	OK	D06	
	Basement Elect / Phone Rm	Smoke	6	OK	D05	
	Basement Mech Room	Heat	7	OK	D02	
	Basement Locker Room	Heat	7	OK	D01	

	North Stairwell	Smoke	8	OK	D41	
	Prisoner Phone Room 126	Smoke		OK	D29	
✓	Room #132	Smoke	9	OK	D56	Female Cell
✓	Room #131	Smoke	10	OK	D55	Male Cell
✓	Room 122	Smoke	11	OK	D54	
	Secure Bay #117	Heat	5	OK	D43	
	Secure Bay #117	Pull	5	OK	D133	
	Furnace Room #2	Duct Smoke	Z-2	OK	D24	
	Furnace Room #1	Duct Smoke	X-2	OK	D67	
	Storage Garage	Horn Strobe	1	OK		
	Crawl Space East #1	Heat	Z-3	OK	D007	
	Crawl Space East #2	Heat	Z-3	OK	D008	
	Crawl Space West #1	Heat	Z-3	OK	D010	
	Crawl Space West #2	Heat	Z-3	OK	D009	
	Crawl Space West #3	Heat	Z-3	OK	D013	
	Crawl Space West #4	Heat	Z-3	OK	D014	
	Crawl Space West #5	Heat	Z-3	OK	D011	
	Crawl Space West #6	Heat	Z-3	OK	D012	
	Furnace Unit #3	Duct Smoke	Z-2	OK	D025	
	Furnace Unit #4	Duct Smoke	Z-2	OK	D018	
	Top of Stairs	Horn Strobe	1	OK		
	Crawl Space North	Heat	Z-3	OK	D015	
	Crawl Space North	Heat	Z-3	OK	D016	
	Crawl Space North	Heat	Z-3	OK	D017	
	Crawl Space #1	Horn Strobe	1	OK		
	Cell Hallway #1	Horn Strobe	1	OK		
	Basement Mech. Room	Horn Strobe	1	OK		
	Crawl Space #2	Horn Strobe	1	OK		
	Cell Hallway #2	Horn Strobe	1	OK		
	Garage Room #115	Horn Strobe	1	OK		
	Storage Room	Horn Strobe	1	OK		Cell Hall

Fire Dampers - Check that all dampers are free to close (no obstructions) and in the open position

LOCATION:	DEVICE:	OCATIO	OPERATION		COMMENTS:
Breathalizer Room 118	Damper	Ceiling	165°F	OK	
Cell #122	Damper	Ceiling	165°F	OK	
Cell Shower	Damper	Ceiling	165°F	OK	
Cell #131	Damper	Ceiling	165°F	OK	

Cell #132	Damper	Ceiling	165°F	OK	
Radio Room	Damper	Ceiling	165°F	OK	
Evidence Room	Damper	Ceiling	165°F	OK	
Crawl Space	Damper	Wall	165°F	OK	

Annunciator:	Location:	(1) In Main Entrance Lobby (1) In Guard's Room
	Test:	OK
Main Panel Power Supply Test:	Circuit Breaker Location:	Bsmnt Elec Rm - Panel 'E' CCT#12C
	Circuit Breaker Model:	Siemens
	Protected:	YES
	Locked and Red:	YES
Main Panel Batteries Test:	Damage?	NO
	Protected?	YES
	Ventilated?	YES
	Fused Charging Tested at:	27.3 volts
	Load Cycle Tested to:	26.8 volts
	Battery Date	2011
	Battery Size	(2) 12volt 18amp
Auxillary Power Supply	Fused Charging Tested at:	26.8 volts
	Load Cycle Tested to:	26.4 volts
	Battery Date	2013
	Battery Size	(2) 12volt 12amp
Control Panel:	Functioning:	OK
	Lamps/Indicators:	OK
	Supervisory:	OK
Security Monitoring:	System Monitored:	YES
	Account Number	#G8D1569
	Contact Number	1-800-653-9111
	Password	N/A

Comments:

1. The emergency light packs were tested. Please see individual report.

2. As a building owner or property manager, we recommend that you conduct a monthly fire alarm test as per CAN/ULC – 5536 – 04 4.2.1. "While on the emergency power supply, inspect and test the fire alarm system monthly to confirm it is operating properly." Should you require assistance or training to perform this task, please call our office for further information.

3. Relays operate MUA fan.

4. Fire alarm bell and relays can be disconnected by pressing bottom right button on fire alarm panel.
5. There is (1) Fire Release Door in this building. Located at exit from office to cell hallway.
6. Fire panel buzzer does not operate.

The fire alarm system, located at **R.C.M.P. - CANMORE DETACHMENT**, has been tested in accordance with CAN/ULC-S536-04 on **July 17, 2014**. The above report clearly defines items that are satisfactory as well as identifying deficiencies. All deficiencies must be corrected for the system to be certified.

Signature of Inspector: Dennis Olsen/Paul Marinelli

17 Jul 14 PKX4413/996796

Banff Fire and Safety

Emergency Light Test Report

Customer: **ROYAL CANADIAN MOUNTED POLICE**
CANMORE DETACHMENT

Location: 101 Elk Run Blvd., Canmore

Date: July 17, 2014

Contact: SNC Lavalin - Stan (403) 888-3605

Contact: On-site -

LOCATION:	DEVICE:	MT	OPERATION:	COMMENTS:
Basement Hallway	24volt 350watt	7	OK	
Guards Room	24volt 350watt	8	OK	
Women's Washroom	24volt 350watt	7	OK	

Banff Fire and Safety

Fire Extinguisher Inspection Report

Customer: **ROYAL CANADIAN MOUNTED POLICE**

Location: **CANMORE DETACHMENT ~ VEHICLES**

Address: 101 Elk Run Blvd., Canmore

Contact: On-site -

Month: July 17, 2014

Location	Serial #	Type	D.O.M.	History	2013	2014	2015	Comments
Vehicle # 2A18	189450	5 ABC	2000	RC'04, 6yr'06, HT'12	A	**A**		
Vehicle # 2B24	94060	5 ABC	2002	6yr'08		**HT**		
Vehicle # 2B20	186511	5 ABC	2000	RC'04, 6yr'06	HT	**A**		
Vehicle # 2B41	664042	5 ABC	2009	RC'12		**X**		**Not Located**
Vehicle #2B17	701690	5 ABC	2008	RC'09	RC	**X**		**Not Located**
Vehicle #2B1	75907	5 ABC	2002	6yr'08	HT	**X**		**Not Located**
Vehicle #2B55	358846	5 ABC	2007	RC'08	A	**X**		**Not Located**
Vehicle	882033	5 ABC	2009		RC	**X**		**Not Located**
Vehicle	279971	5 ABC	1988	HT'04, 6yr'10		**A**		
Vehicle	426482	5 ABC	2009			**A**		
Vehicle	923555	5 ABC	2013			**A**		
Vehicle	369504	5 ABC	2011			**A**		
Spare	882033	5 ABC	2009	RC'13		**A**		
Spare	32144	5 ABC	2002		HT	**A**		**Not Located**
Spare	57859	5 ABC	2000		HT	**X**		**Not Located**

Comments:

1. Several fire extinguishers were not located to complete testing. All fire extinguishers require testing annually to ensure operation in the event of an emergency.

Banff Fire and Safety

Fire Extinguisher Inspection Report

Customer: **ROYAL CANADIAN MOUNTED POLICE**

Location: **CANMORE DETACHMENT**

Address: 101 Elk Run Blvd., Canmore

Contact: SNC Lavalin - Stan (403) 888-3605

Contact: On-site -

Month: July 17, 2014

Location	Serial #	Type	D.O.M.	History	2013	2014	2015	Comments
Rear Door	864883	10 ABC	1985	HT'97, 6yr'03 RC'04, HT'09	A	**A**		General Brand
File Room	201281	5 ABC	2000	RC'04, 6yr'06, HT'12	A	**A**		
Office Area by F.A. Panel	37603	5 ABC	1991	6yr'01, HT'03 6yr'09	A	**A**		
By Photocopy machine	185988	5 ABC	2000	6yr'06, HT'12	A	**A**		
Basement Hallway	864920	10 ABC	1985	6yr'91, HT'05 6yr'11	A	**A**		General Brand
By Cell Area	865004	10 ABC	1985	HT'97, 6yr'03 HT'09	A	**A**		General Brand
Basement Dressing Room	864735	10 ABC	1985	HT'97, 6yr'03 HT'09	A	**A**		General Brand
Basement Electrical Room	311237	**5 C02**	2006	HT'11	A	**A**		
Garage - Cold Storage	942189	5 ABC	2010		A	**A**		
Spare	201292	5 ABC	2000	6yr'06, RC'07	X	**X**		**Not Located**
Spare	403361	5 ABC	1987	HT'05, 6yr'11	X	**A**		General Brand **Jan'14**

FIRE ALARM VERIFICATION REPORT

WSP

Project: Cardston RCMP Detachment FA Upgrade - PW166323 **Project No.:** 131-21629-00

Location: 145 Main Street, Cardston, Alberta T0K 0K0 **Date:** September 12, 2014

To: SNC-Lavalin, Attn: Sheri Hamilton (sheri.hamilton@snclavalinom.com)

Power Supply (AC and DC) Tests

1. AC Panel name and circuit number(s): Main Electrical Panel ccts 8, 10, 12 (3 pole breaker)
   Circuit breaker(s) painted red: Yes ☒ No ☐
   Lock on device installed: Yes ☒ No ☐

	Main FACP	BPS 1	BPS 2	BPS 3	BPS 4	BPS 5	BPS 6
2. DC Voltage with AC on (Note 1)	24 vdc						
3. Charging Current							

	Main FACP	BPS 1	BPS 2	BPS 3	BPS 4	BPS 5	BPS 6
4. DC Voltage with AC Off (Note 2)	27 vdc						
5. Supervisory Current							

	Main FACP	BPS 1	BPS 2	BPS 3	BPS 4	BPS 5	BPS 6
6. DC Voltage with AC off After 24 hours (Note 3)	24.8 vdc						
7. Supervisory current	.3						

	Main FACP	BPS 1	BPS 2	BPS 3	BPS 4	BPS 5	BPS 6
8. DC Voltage with AC off Under Full Load	24.79 vdc						
9. Alarm Current * After 60 min. (Note 4)	2.5 adc						

	Main FACP	BPS 1	BPS 2	BPS 3	BPS 4	BPS 5	BPS 6
10. DC Voltage Re-charging (Note 5)	26.53 vdc						
Recharging current	3.2 adc						

11. Battery Manufacturer and Capacity: CASIL CA12180 12V 18AH

12. Comments: Spoke with Ivy at Reliance to have FA system on "Test" ~ 11:15 am on Sept. 12, 2014.

Fire Alarm Graphic Tests

Fire Alarm Graphic Installed: Yes ☐ No ☒ Active ☐ Passive ☐

Wiring Supervision Open ☐ Ground Fault Checked ☐

WSP Canada Inc.
132, 2693 Broadmoor Blvd.
Sherwood Park, Alberta Canada T8H 0G1
Telephone: 780.410.6740 ~ Fax: 780.449.4050
www.wspgroup.com

Notes:

1. *AC power should be connected for a minimum of 48 hours to ensure batteries are fully charged.*
2. *Indicates voltage of fully charged batteries.*
3. *AC power must be disconnected for 24 hours prior to performing load test.*
4. *Operate under full load for a minimum of 30 minutes before recording voltages; operate for 60 minutes for Type B Occupancies (Hospitals, jails, etc.). See Appendix D for silent and silence accelerated tests.*
5. *Batter charging current with AC re-connected after completion of load test.*

*Full Load = all audible and visual signalling appliances in operation.

Issued by,

Rick W. Serediak
Electrical Contract Administrator
rick.serediak@wspgroup.com

RWS:vad

APPENDIX E (INFORMATIVE) – ANNUAL FIRE ALARM SYSTEM TEST AND INSPECTION RECORDS

(Reference: 3.7, 5.1.1, 5.1.2)

E1. FIRE ALARM SYSTEM ANNUAL TEST AND INSPECTION REPORT

(Reference: 5.1.2)

Building name: Okotoks RCMP		Date: Aug. 19/14	
Address	49th St. and 48th ave. West		
System manufacturer: Edwards Quicksert		Model number:	

A	System provides single-stage operation.	Yes ☑	No ☐	--
B	System provides two-stage operation.	Yes ☐	No ☑	--
C	The entire *fire alarm system* has been inspected and tested in accordance with CAN/ULC-S536, Inspection and Testing of Fire Alarm Systems.	Yes ☑	No ☐	--
D	The *fire alarm system* documentation is on site and includes a description of the system.	Yes ☑	No ☐	N/A ☐
E	The *fire alarm system* is fully functional.	Yes ☑	No ☐	N/A ☐
F	The *fire alarm system* has deficiencies noted on the pages attached.	Yes ☑	No ☐	N/A ☐
G	Comments	Card 01 - Map Fault Needs Programming Chubb Edwards only one with Program		
H	A copy of this report will be given to the following, who is the owner or owner's representative for this *building:* SNC Lavalin OEM	Yes ☑	No ☐	--

This is to certify that the information contained in this Fire Alarm System Annual Test and Inspection Report is correct and complete.

Kyle Heitman Printed Name of Primary or Supervising Technician Conducting the Test and Inspection	KOST Fire Safety Company	403-894-5953 Telephone
 Signature of Primary or Supervising Technician Conducting the Test and Inspection	4998 Identification Number of Primary or Supervising Technician Conducting the Test and Inspection	

Printed Name of Technician Conducting the Test and Inspection	Company	Telephone
Signature of Technician Conducting the Test and Inspection	Identification Number of Technician Conducting the Test and Inspection	

E2. CONTROL UNIT OR TRANSPONDER TEST RECORD

YES ☐ = Tested Correctly NO ☐ = Did not test correctly (REFER TO REMARKS, E2.12) N/A ☐ = Not applicable FUNCTION OR FEATURE NOT PROVIDED ON THIS FIRE ALARM SYSTEM

E2.1 CONTROL UNIT OR TRANSPONDER TEST

(Reference: Clauses 5.1.3, 5.2.2.1)

Control unit or *transponder* location: Basement
Control unit or *transponder* identification: FACP

A	Power 'ON' visual indicator operates.	Yes ☑	No ☐	N/A ☐
B	Common visual *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
C	Common audible *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
D	*Trouble signal* silence switch operates.	Yes ☑	No ☐	N/A ☐
E	*Main power supply* failure *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
F	*Ground fault tested* on positive and negative initiates *trouble signal.*	Yes ☑	No ☐	N/A ☐
G	*Alert signal* operates.	Yes ☐	No ☐	N/A ☑
H	*Alarm signal* operates.	Yes ☑	No ☐	N/A ☐
I	Automatic transfer from *alert signal* to *alarm signal* operates.	Yes ☐	No ☐	N/A ☑
J	Manual transfer from *alert signal* to *alarm signal* operates.	Yes ☐	No ☐	N/A ☑
K	Automatic transfer from *alert signal* to *alarm signal* cancel (acknowledge) feature operates on a two-stage system.	Yes ☐	No ☐	N/A ☑
L	*Alarm signal* silence inhibit function operates.	Yes ☑	No ☐	N/A ☐
M	*Alarm signal* manual silence operates.	Yes ☑	No ☐	N/A ☐
N	*Alarm signal* silence visual indication operates.	Yes ☑	No ☐	N/A ☐
O	*Alarm signal*, when silenced, automatically reinitiates upon *subsequent alarm.*	Yes ☑	No ☐	N/A ☐
P	*Alarm signal* silence automatic cut-out timer.	Time: 1 min		
Q	Audible and visual *alert signals* and *alarm signals* programmed and operate per *design* and *specification*; or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
R	*Input circuit*, alarm and supervisory operation, including audible and visual indication operates.	Yes ☑	No ☐	N/A ☐
S	*Input circuit* supervision fault causes a trouble indication.	Yes ☑	No ☐	N/A ☐
T	*Output circuit* alarm indicators operate.	Yes ☑	No ☐	N/A ☐

E2.1 continued ...

...Continued E2.1

U	*Output circuit* supervision fault causes a trouble indication.	Yes ☑	No ☐	N/A ☐
V	Visual indicator *test* (lamp *test*).	Yes ☑	No ☐	N/A ☐
W	Coded signal sequences operate not less than the required number of times and the correct *alarm signal* operates thereafter.	Yes ☑	No ☐	N/A ☐
X	Coded signal sequences are not interrupted by *subsequent alarms*.	Yes ☑	No ☐	N/A ☐
Y	*Ancillary device* by-pass will result in a *trouble signal*.	Yes ☑	No ☐	N/A ☐
Z	*Input circuit* to *output circuit* operation, including *ancillary device* circuits, for correct program operation, as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
AA	*Fire alarm system* reset operates.	Yes ☑	No ☐	N/A ☐
BB	*Main power supply* to *emergency power supply* transfer operates.	Yes ☑	No ☐	N/A ☐
CC	*Status change confirmation* (*smoke detectors* only) verified. [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)].	Yes ☑	No ☐	N/A ☐
DD	Receipt of the alarm transmission to the fire *signal receiving centre*.	Yes ☐	No ☐	N/A ☑
EE	Receipt of the supervisory transmission to the fire *signal receiving centre*.	Yes ☐	No ☐	N/A ☑
FF	Receipt of the trouble transmission to the fire *signal receiving centre*.	Yes ☐	No ☐	N/A ☑
GG	Record the name and telephone number of the fire *signal receiving centre*.	Name: Protection		
		Telephone: 1-800-653-9111		
HH	Operation of the fire *signal receiving centre* disconnect means results in a specific trouble indication at the *control unit* or *transponder* and transmits a *trouble signal* to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐

E2.2 VOICE COMMUNICATION TEST

(Reference: Clause 5.1.3, 5.2.3.1) N/A

A	Power 'ON' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Common visual *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
C	Common audible *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
D	*Trouble signal* silence switch operates.	Yes ☐	No ☐	N/A ☐
E	All-call voice paging, including visual indicator, operates.	Yes ☐	No ☐	N/A ☐
F	*Output circuits* for selective voice paging, including visual indication, operates.	Yes ☐	No ☐	N/A ☐
G	*Output circuits* for selective voice paging trouble operation, including visual indication, operates.	Yes ☐	No ☐	N/A ☐
H	Microphone, including press to talk switch, operates.	Yes ☐	No ☐	N/A ☐
I	Operation of voice paging does not interfere with initial inhibit time of *alert signal* or *alarm signal*.	Yes ☐	No ☐	N/A ☐
J	All-call voice paging operates (on *emergency power supply*).	Yes ☐	No ☐	N/A ☐
K	Upon failure of one amplifier, system automatically transfers to backup amplifier(s).	Yes ☐	No ☐	N/A ☐
L	Circuits for emergency telephone call-in operation, including audible and visual indication, operates.	Yes ☐	No ☐	N/A ☐
M	Circuits for emergency telephones for operation, including two-way voice communication, operates.	Yes ☐	No ☐	N/A ☐
N	Circuits for emergency telephone trouble operation, including visual indication, operates	Yes ☐	No ☐	N/A ☐
O	Emergency telephone verbal communication operates.	Yes ☐	No ☐	N/A ☐
P	Emergency telephone operable or in-use tone at handset operates.	Yes ☐	No ☐	N/A ☐

E2.3 CONTROL UNIT OR TRANSPONDER INSPECTION

N/A

(Reference: Clauses 5.1.3, 5.2.4.1)

Control unit or *transponder* location:
Control unit or *transponder* identification:

A	*Input circuit* designations correctly identified in relation to connected *field devices.*	Yes ☐	No ☐	N/A ☐
B	*Output circuit* designations correctly identified in relation to connected *field devices.*	Yes ☐	No ☐	N/A ☐
C	Correct designations for common control functions and indicators.	Yes ☐	No ☐	N/A ☐
D	Plug-in components and modules securely in place.	Yes ☐	No ☐	N/A ☐
E	Plug-in cables securely in place.	Yes ☐	No ☐	N/A ☐
F	Record the date, revision and version of *firmware* and *software program.*	Date:		
		Rev: _____	Ver: _____	
G	Clean and free of dust and dirt.	Yes ☐	No ☐	N/A ☐
H	Fuses in accordance with manufacturer's *specification.*	Yes ☐	No ☐	N/A ☐
I	*Control unit* or *transponder* lock functional.	Yes ☐	No ☐	N/A ☐
J	Termination points from wiring to *field devices* secure.	Yes ☐	No ☐	N/A ☐

E2.4 POWER SUPPLY INSPECTION

(Reference: Clauses 5.1.3, 5.3.1)

Control unit or *transponder* location: Basement
Control unit or *transponder* identification: FACP

A	Fused in accordance with the manufacturer's marked rating of the system.	Yes ☑	No ☐	N/A ☐
B	Adequate to meet the requirements of the system.	Yes ☑	No ☐	N/A ☐

E2.5 EMERGENCY POWER SUPPLY TEST AND INSPECTION

(Reference: Clauses 5.1.3, 5.3.2, 5.3.3)

Control unit or *transponder* location: Basement
Control unit or *transponder* identification: FACP

A	Correct battery type as recommended by manufacturer.	Yes ☑	No ☐	N/A ☐
B	Correct battery rating as determined by battery calculations based on full system load.	Yes ☑	No ☐	N/A ☐
C	Battery voltage with *main power supply* 'ON'.	27.4 V dc		
D	Battery voltage and current with *main power supply* 'OFF' and *fire alarm system* in supervisory condition.	Voltage: 26.9 V dc Current: — A		
E	Battery voltage and current with *main power supply* 'OFF' and *fire alarm system* in full load alarm condition.	Voltage: 25.1 V dc Current: — A		
F	Charging current.	— A		
G	Physical damage.	Yes ☐	No ☑	N/A ☐
H	Terminals cleaned and lubricated.	Yes ☑	No ☐	N/A ☐
I	Terminals clamped tightly.	Yes ☑	No ☐	N/A ☐
J	Correct electrolyte level.	Yes ☑	No ☐	N/A ☐
K	Specific gravity of electrolyte is within manufacturer's *specifications*.	Yes ☑	No ☐	N/A ☐
L	Electrolyte leakage.	Yes ☐	No ☑	N/A ☐
M	Adequate ventilation.	Yes ☑	No ☐	N/A ☐
N	Battery manufacturer's date code or in-service date.	Date: _____		
O	Disconnection causes *trouble signal*.	Yes ☑	No ☐	N/A ☐
P	Indicate type of battery *tests* performed:			
	(i) Required supervisory load for 24 h followed by the required full load operation; or	Yes ☐	No ☐	
	(ii) A silent *test* by using the load resistor method may be used for the full duration *test* (Refer to Appendix F1, Silent Test); or	Yes ☐	No ☐	
	(iii) Silent accelerated *test*. (Refer to Appendix F2, Silent Accelerated Test);or	Yes ☐	No ☐	
	(iv) A battery capacity meter *test*. (Refer to Appendix F3, Battery Capacity Meter Test); or	Yes ☑	No ☐	
	(v) In lieu of the above battery *tests*, replace the battery with a new set having a current date code, amp-hour capacity and type as recommended by the manufacturer.	Yes ☐	No ☐	
Q	Record calculated battery capacity (Refer to Appendix F4.1-C).	18 A•h		
R	Record battery terminal voltage after completion of *tests*.	25.1 V dc		

E2.5 continued...

Continued E2.5 ...

S	Battery voltage not less than 85% of its rating after the *tests*.	Yes ☑	No ☐	N/A ☐
T	Generator provides power to the AC circuit serving the *fire alarm system*.	Yes ☐	No ☐	N/A ☑
U	Trouble condition at the emergency generator shall result in an audible common *trouble signal* and a visual indication at the required *annunciator*.	Yes ☐	No ☐	N/A ☑

E2.6 ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

(Reference: Clauses 5.1.4, 5.4.1)

Annunciator or remote *trouble signal* unit location: Main Entrance
Annunciator or remote *trouble signal* unit identification: Annunciator 1

A	Power 'on' indicator operates.	Yes ☑	No ☐	N/A ☐
B	Individual alarm, and supervisory *input zones* are clearly indicated and separately designated.	Yes ☑	No ☐	N/A ☐
C	Individual alarm and supervisory *zone* designation labels are properly identified.	Yes ☑	No ☐	N/A ☐
D	Common *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
E	Visual indicator *test* (lamp *test*) operates.	Yes ☑	No ☐	N/A ☐
F	Input wiring from *control unit* or *transponder* is supervised.	Yes ☑	No ☐	N/A ☐
G	*Alarm signal* silence visual indicator operates.	Yes ☑	No ☐	N/A ☐
H	Switches for ancillary functions operate as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
I	Other ancillary function visual indicators operate.	Yes ☑	No ☐	N/A ☐
J	Manual activation of *alarm signal* and indication operates.	Yes ☑	No ☐	N/A ☐
K	Displays are visible in installed location operates.	Yes ☑	No ☐	N/A ☐
L	Operates on emergency power.	Yes ☑	No ☐	N/A ☐

E2.7 ANNUNCIATORS OR SEQUENTIAL DISPLAYS

(Reference: Clauses 5.1.4, 5.4.2) N/A

Annunciator or *sequential display* location:
Annunciator or *sequential display* identification:

A	Power 'on' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Individual alarm and supervisory *zone* indication operates.	Yes ☐	No ☐	N/A ☐ (See exception)
	Exception: Operation of each individual alarm and supervisory *zone* indication gives the identical indication, or lights the identical indicators at the other *annunciator(s)* and *sequential display(s)*.	Yes ☐	No ☐	N/A ☐
	Specify Method of confirmation: _____ _____			
	Minimum of one alarm *zone* and one supervisory *zone* tested per *annunciator* or *sequential display* to confirm operation.	Yes ☐	No ☐	N/A ☐
C	Individual alarm and supervisory *zone* designation labels are properly identified.	Yes ☐	No ☐	N/A ☐
D	Common *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
E	Visual indicator *test* (lamp *test*) operates.	Yes ☐	No ☐	N/A ☐
F	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
G	*Alarm signal* silence visual indicator operates.	Yes ☐	No ☐	N/A ☐
H	Switches for ancillary functions operate as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
I	Other ancillary functions visual indicators operate.	Yes ☐	No ☐	N/A ☐
J	Manual activation of *alarm signal* and indication operates.	Yes ☐	No ☐	N/A ☐
K	Displays are visible in installed location.	Yes ☐	No ☐	N/A ☐

E2.8 REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

(Reference: Clauses 5.1.4, 5.4.3) N/A

Remote *trouble signal* unit location:
Remote *trouble signal* unit identification:

A	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
B	Visual *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
C	Audible *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
D	Audible *trouble signal* silence operates.	Yes ☐	No ☐	N/A ☐

E2.9 PRINTER TEST N/A

(Reference Clauses 5.1.4, 5.5.1)

Printer location:
Printer identification:

A	Operates as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
B	*Zone* of each alarm initiating device is correctly printed.	Yes ☐	No ☐	N/A ☐
C	Rated voltage is present.	Yes ☐	No ☐	N/A ☐

E2.10 DATA COMMUNICATION LINK TEST

(Reference: Subsection 5.1.5, 5.6-Note) N/A

Control unit or *transponder* location:
Control unit or *transponder* identification:
Data communication link identification:

A	Confirm that a *trouble signal* is received at the *control unit* or *transponder* under an open loop fault for each *data communication link* (DCL).	Yes ☐	No ☐	N/A ☐
B	Where *fault isolation modules* are installed in *data communication links* serving *field devices*, wiring shall be shorted on the isolated side, *annunciation* of the fault confirmed, and then a *field device* on the source side shall be operated, and activation confirmed at the *control unit* or *transponder*.	Yes ☐	No ☐	N/A ☐
C	Where fault isolation in *data communication links* is provided between *control units* or *transponders* and between *transponders*, introduce a *short circuit fault* and confirm annunciation of the fault and operation outside the shorted section between each pair of:			
	(i) *Control unit* to *control unit*	Yes ☐	No ☐	N/A ☐
	(ii) *Control unit* to *transponder*	Yes ☐	No ☐	N/A ☐
	(iii) *Transponder* to *transponder*	Yes ☐	No ☐	N/A ☐

E2.11 ANCILLARY DEVICE CIRCUIT TEST

(Reference: Clause 5.2.2.1-Z)

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	OPERATION OF ANCILLARY CIRCUIT CONFIRMED		
Dialler	Yes ☑	No ☐	N/A ☐
	Yes ☐	No ☐	N/A ☐
	Yes ☐	No ☐	N/A ☐

Note: The *tests* reported on this Form do not include the actual operational *test* of *ancillary devices.*

E2.12 REMARKS

(Reference: E2)

(Attach additional sheets if further remarks are required)

E3. FIELD DEVICE RECORD

(Reference: Clause 5.1.6)

E3.1 FIELD DEVICE TESTING — LEGEND AND NOTES

(Reference: Clauses 5.7.4.1.3, 5.7.4.1.4, 5.7.4.1.5, 5.7.4.3.1, 5.7.4.5.1, 5.7.8.1.1, 5.7.8.2.2, 5.7.8.2.4)

DEVICE	DESCRIPTION	TYPE	MODEL NO.
M	*Manual Pull Station*	Edwards	270-SPC
RHT	*Heat Detector*, Restorable	Edwards	
HT	*Heat Detector*, Non-restorable	Edwards	
S	*Smoke Detector* Sensitivity Test Method or Test Equipment: Model/Method: Smoke check Manufacturer Sensitivity Range: Sensitivity Range:	Not applicable	Not applicable
RI	Remote Indicator Unit		
DS	Duct *Smoke Detector*		
--	Other Type of Detector		
SFD	*Supporting Field Device* (Monitor)		
FS	Sprinkler Flow Switch		
SS	Sprinkler *Supervisory Device*		
--	Other *Supervisory Devices* (Low Pressure, Low Water, Low Temperature, Power Loss, etc.)		
EM	*Fault Isolation Module*		
B	Bell		
H	Horn	Edwards	
V	*Visible Signal Device*	Edwards	
SP	Cone Type Speaker		
HSP	Horn Type Speaker		
AD	*Ancillary Device*		
ET	Emergency Telephone		
EOL	End-of-Line Resistor		

The following notes apply to Appendix E3.2, Individual Device Record:

NOTE 1: *Smoke detector sensitivity* confirmation or measurement should be recorded in the remarks column.

NOTE 2: *Smoke detector* cleaning or replacement date should also be recorded in the remarks column.

NOTE 3: Status Change, including time delay, should be recorded in the remarks column.

NOTE 4: Duct *smoke detector* pressure differential should be confirmed and recorded in the remarks column.

E3.1 continued...

Continued E3.1 ...

NOTE 5: Time delay setting of water flow switch should be recorded in the remarks column.

NOTE 6: Sprinkler supervisory switches cause trouble condition to be annunciated but not an alarm condition.

NOTE 7: Upper and lower pressure setting of *supervisory devices* should be recorded in the remarks column.

NOTE 8: Low temperature setting should be recorded in the remarks column.

NOTE 9: Identify the specific *ancillary devices* in the remarks column.

NOTE 10: Identify date *field device* changed in the remarks column.

NOTE 11: Identify correct *field device* operation (e.g., alarm, trouble, supervisory, annunciation indication).

NOTE 12: Identify *zone*, circuit number, or address.

NOTE 13: Identify *conventional field device* locations.

NOTE 14: Identify *active field device* and *supporting field device*, *data communication link* (DCL), address and location.

NOTE 15: *Test* and confirm *conventional field device* supervision of wiring.

NOTE 16: Confirm *field device* free of damage.

NOTE 17: Confirm *field device* free of foreign substance (e.g. paint).

NOTE 18: Confirm *field device* mechanically supported independently of the wiring.

NOTE 19: Confirm *field device* protective dust shields or covers removed.

CAUTION: The *tests* reported on this Form do not include the actual operational *test* of *ancillary devices*.

E3.2 INDIVIDUAL DEVICE RECORD

(Reference: Clauses 5.7.1.3, E3.1)

BUILDING NAME: Okotoks RCMP PAGE 1 OF 2

DATE: Aug 19/14

Device Legends And Notes Are Listed In Appendix E3.1, Field Device Testing – Legend and Notes

LOCATION	DEVICE	CORRECTLY INSTALLED	REQUIRES SERVICE, REPAIRS, CLEANING OR MISSING	ALARM OPERATION CONFIRMED	ANNUNCIATION INDICATION CONFIRMED	ZONE CIRCUIT NUMBER OR ADDRESS	REMARKS
Weight Room	Heat Det	✓		✓	✓		
Communication Rm	Heat Det	✓		✓	✓		
Basement Storage	Heat Det	✓		✓	✓		
Pull Station Basement	Pull St	✓		✓	✓	001	
Furnace Room	Heat Det	✓		✓	✓		
Crawl Space	Heat Det.	✓		✓	✓		
Corridor	Pull Stat	✓		✓	✓	002	
Basement Stairwell	Smoke Det	✓		✓	✓	001	
Corridor South	Smoke Det	✓		✓	✓	001	
File Room	Smoke Det.	✓		✓	✓	007	
Communication	Smoke Det	✓		✓	✓	004	
Corridor 3	Pull Stat	✓		✓	✓	003	
Office Storage	Smoke Det	✓		✓	✓	004	
North Entry	Smoke Det	✓		✓	✓	005	
Male Cell	Smoke Det	✓		✓	✓	006	
Corridor	Pull Stat	✓		✓	✓	007	
Phone Room	Smoke Det	✓		✓	✓	008	
Female Cell	Smoke Det	✓		✓	✓	009	
Secure Bay	Pull Stat	✓		✓	✓	010	
Secure Bay	Heat Det	✓		✓	✓		
2nd Floor Corridor	Smoke Det	✓		✓	✓	011	
Interview Rm	Heat Det	✓		✓	✓		
2nd Floor office	Heat Det	✓		✓	✓		
Coffee Station	Smoke Det	✓		✓	✓	002	

E3.2 INDIVIDUAL DEVICE RECORD

(Reference: Clauses 5.7.1.3, E3.1)

BUILDING NAME: Clarenholm RCMP. PAGE 2 OF 2

DATE: Aug 19, 2014

Device Legends And Notes Are Listed In Appendix E3.1, Field Device Testing – Legend and Notes

LOCATION	DEVICE	CORRECTLY INSTALLED	REQUIRES SERVICE, REPAIRS, CLEANING OR MISSING	ALARM OPERATION CONFIRMED	ANNUNCIATION INDICATION CONFIRMED	ZONE CIRCUIT NUMBER OR ADDRESS	REMARKS
2ND Floor	Horn & Strobe	✓		✓			
Main Entrance	Horn & Strobe	✓		✓			
office	Horn & Strobe	✓		✓			
Monitor Room	Horn & Strobe	✓		✓			
By Cell Block	Horn & Strobe	✓		✓			
Back Door	Horn & Strobe	✓		✓			
Basement	Horn & Strobe	✓		✓			

SAFE BLU
Strathmore, AB.
Ph: 934 9387 Fax: 934 9344

FIRE ALARM SYSTEM ANNUAL TEST AND INSPECTION REPORT

DATE: JULY 14, 2014

BUILDING NAME: COCHRANE RCMP

ADDRESS: 359 – 1ST STREET E.

COMPANY: SNC LAVALIN

CONTACT PERSON:

TELEPHONE NO: 403 932 2213

SYSTEM MANUFACTURER: QUICKSTART EST MODEL NO: QS-1

OPERATION: SINGLE STAGE: ☒ TWO STAGE: ☐

TEST RESULTS

(EVERY LINE MUST HAVE THE APPROPRIATE MARKING IN THE SPACE PROVIDED)

This is to certify that the Fire Alarm System has been tested and inspected in accordance with Section 5 periodic inspections and tests – daily and monthly; and Section 6, periodic inspections and tests – yearly, and these records document the results of testing performed.

1. The Fire Alarm System is now fully functional. Yes ☒ No ☐

OR

2. The Fire Alarm System has deficiencies noted on the pages attached. Yes ☒ No ☐

Comments:

TRAFFIC CONTROL OFFICE SMOKE DET ENNUNCIATES AS VICTIM SERVICE OFFICE AT FIRE PANEL
STAIRWELL SMOKED DETECTORS DO NOT HAVE CLEAR LABELING ON DEVICE – NO LOCATION JUST SAYS SMOKED DETECTOR, CELL ROOM NUMBERS HAVE CHANGED ON THE DOORS FROM 139 – 145 TO 1 - 7

A copy of this report will be given to: ROGER WAIDSON

Ken MacLean	P0553	24-7 Fire & Electrical Services Ltd.
Signature of Technician	Technician's Certification Number	Company Name

PRE-TEST CHECKLIST		
1.	Is there a fire department interconnection?	Yes ☐ No ☒
	If yes, take necessary steps to alert central station/fire department, etc. **DO NOT USE THE FIRE DEPARTMENT EMERGENCY TELEPHONE NUMBER.** **(IN CALGARY USE THE NON-EMERGENCY PHONE NUMBER 264-1022)** Name of person contacted at the central station or fire department: Name _____ Title _____ Phone No. _____ Date and time fire alarm system is out of service: Date and time fire alarm is back in service:	
2.	Do you have auxiliary functions that can impair building functions such as elevator capture, fan shutdown, door holders, etc.?	Yes ☒ No ☐
2a.	Can these be disabled and tested by groups?	Yes ☐ No ☒
3.	Have building occupants been made aware of fire alarm testing?	Yes ☒ No ☐
4.	Has a pre-determined time been established for testing signaling devices?	Yes ☒ No ☐
5.	Have provisions been made for acquiring access to the secured areas of the building?	Yes ☒ No ☐
6.	Has an alternative plan been established to alert occupants and local fire department should an actual fire condition occur during testing?	Yes ☒ No ☐
7.	The fire alarm system has emergency power provided by:	AC Generator ☐ Rechargeable battery ☒

EVERY LINE MUST HAVE THE APPROPRIATE MARKING IN THE BOX PROVIDED

YES	NO	NOT APPLICABLE (NA)
Tested correctly	Did not test correctly (See Remarks Section)	Function or feature not provided on this fire alarm system.

ALARM SIGNAL TESTS	YES	NO	NA
All alarm signaling appliances sound simultaneously in the general alarm state powered by the emergency power supply (5 min. minimum duration).	☐	☐	☒
All audible alarm signals sound simultaneously in the evacuation alarm state powered by the emergency power supply (as per the Alberta Building Code 1990).	☐	☐	☒
Alarm signals are audible throughout the building.	☒	☐	☐
Visual alarm signals clearly indicate a visual alarm to all points in the visual alarm area when operated on normal power supply.	☐	☐	☒
Each audible and visual signaling device has been tested.	☒	☐	☐
NUMBER OF AUDIBLE / VISUAL DEVICES:			

CONTROL UNIT TESTS	YES	NO	NA
Power on Visual Indicator	☒	☐	☐
Common Visual Trouble Lamp	☒	☐	☐
Common Audible Trouble Signal	☒	☐	☐
Trouble Signal Silence Switch	☒	☐	☐
AC Power Failure Trouble	☒	☐	☐
Main Power Supply Failure Trouble Signal	☒	☐	☐
Ground Fault Tested on Positive and Negative Trouble Signal	☒	☐	☐
Control Panel Interconnection to Fire Department Confirmed	☐	☐	☒
Alert Signal Operation	☐	☐	☒
Alarm Signal Operation	☒	☐	☐
Automatic Transfer from Alert Signal to Alarm Signal	☐	☐	☒
Acknowledge Switch Operation	☒	☐	☐
Alarm Signal Silence Inhibit	☒	☐	☐
Alarm Signal Silence Operation	☒	☐	☐
Alarm Signal Silence Visual Indication	☒	☐	☐
Alarm Signal, when silenced, Automatically Reinitiate Upon Subsequent Alarm	☒	☐	☐
Alarm Signal Silence Automatic Cut – Out Timer	☒	☐	☐
Input Circuit, Alarm & Supervisory Operation Including Visual Indicator	☒	☐	☐
Input Circuit Trouble Operation	☒	☐	☐
Output Circuit Alarm Operation	☒	☐	☐
Output Circuit Trouble Operation	☒	☐	☐
Visual Indicator Test (Lamp Tests)	☒	☐	☐
Reset Operation	☒	☐	☐
Main Power Supply to Emergency Power Supply Transfer	☒	☐	☐
Control Panel Locked	☒	☐	☐
Control Unit Interconnection to Monitoring Station	☒	☐	☐
Monitoring Company Name and Phone #	PROTECTRON 1800-653-9111		
Building System ID # and Pass Code ID #	PASSWORD IS GOLDEN		

BATTERY TESTS FIRE ALARM PANEL		
Correct Battery Type as Recommended by Manufacturer	2 X	12V 18Ah
Correct Rating as Determined by Battery Calculations based on Full System Load		YES ☒ NO ☐
Battery Voltage (AC Power On)		27.3
Battery Charging Current (AC Power On)		460MA
Battery Voltage (AC Power Off - Supervisory Condition)		25.2V 460MA
Battery Voltage (AC Power Off - General Alarm Condition) Full Load		25.2V 550MA
BATTERY TESTS BOOSTER PANEL		
Correct Battery Type as Recommended by Manufacturer	2 X	12V 13 AH
Correct Rating as Determined by Battery Calculations based on Full System Load		YES ☒ NO ☐
Battery Voltage (AC Power On)		27.3, 26.6
Battery Charging Current (AC Power On)		600MA
Battery Voltage (AC Power Off - Supervisory Condition)		25.6 V 15 MA
Battery Voltage (AC Power Off - General Alarm Condition) Full Load		25.4V 1.27 AMP

BATTERY TESTS INSPECTIONS	YES	NO	NA
Battery Inspected for Physical Damage	☒	☐	☐
Battery Terminals Cleaned and Lubricated	☒	☐	☐
Battery Terminals Clamped Tightly	☒	☐	☐
Within Manufacturer's Rated Life Date Code	☒	☐	☐
Disconnection Causes Trouble Signal	☒	☐	☐

REMOTE TROUBLE UNIT	YES	NO	NA
Input Wiring from Control Unit is Supervised	☐	☐	☒
Visual Trouble Signal	☐	☐	☒
Audible Trouble Signal	☐	☐	☒
Audible Trouble Signal Silence	☐	☐	☒

POWER SUPPLY INSPECTION	YES	NO	NA
Fused in Accordance with Manufacturer's Marked Rating of the System	☒	☐	☐
Adequate to Meet the Requirements of the System	☒	☐	☐

ANNUNCIATOR TESTS FRONT ENTRANCE & CELL BLOCK	YES	NO	NA
Power On Indicator	☒	☐	☐
Individual Alarm & Supervisory Zone Indication	☒	☐	☐
Individual Alarm & Supervisory Zone Designation Labels are Properly Identified	☒	☐	☐
Common Trouble Signal	☒	☐	☐
Visual Indicator Test (Lamp Test)	☒	☐	☐
Input Wiring from Control Unit is Supervised	☒	☐	☐
Switches for Ancillary Functions Operate as Intended	☒	☐	☐
Alarm Signal Silence Visual Indicator	☒	☐	☐
Other Ancillary Functions Visual Indicators	☒	☐	☐
Manual Activation of Alarm Signal & Indication	☒	☐	☐

CONTROL UNIT INSPECTIONS	YES	NO	NA
Input Circuit Designations, Correctly Identified in Relation to Connected Field Devices	☒	☐	☐
Output Circuit Designations, Correctly Identified in Relation to Connected Field Devices	☒	☐	☐
Designations for Common Control Functions & Indicators	☒	☐	☐
Cabinet, Plug-In Components, Modules, and Cables Securely in Place	☒	☐	☐
Cleanliness	☒	☐	☐
Fuses in Accordance with Manufacturer's Specification	☒	☐	☐

ANCILLARY DEVICES	If no ancillary devices are present check here ☐
TYPE OF DEVICE (List)	**OPERATIONAL**
Fan shutdown	YES ☒ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐
	YES ☐ NO ☐

***NOTE: Power supply for ancillary devices must not be from fire alarm power supply circuit.**

AFTER TEST CHECKLIST	YES	NO	NA
Reconnect Auxiliary Functions (off site connections)	☐	☐	☒
Reconnect Ancillary Functions	☒	☐	☐
Reconnect Time Limit Cutouts	☐	☐	☒
Ensure Fire Alarm System is on Normal Power	☒	☐	☐
Advise Building Management Work Is Completed	☒	☐	☐
Advise Fire Department Work Is Completed	☒	☐	☐
Ensure That the Alarm System Is Functional	☒	☐	☐

SUMMARY		
1.	The fire alarm system is now **FULLY** functional.	YES ☒ NO ☐
2.	The fire alarm system is operational with minor deficiencies as noted in this report.	YES ☒ NO ☐
3.	The fire alarm system has major deficiencies as noted in this report.	YES ☐ NO ☒
4.	A copy of this report will been given to: SGT. NAN	
BUILDING OWNER / BUILDING OWNER'S REPRESENTATIVE		

TEST AND MAINTENANCE CODES REQUIRE THAT THE BUILDING OWNER FOR A MINIMUM OF TWO YEARS MAINTAIN THIS RECORD.

DEVICE LEGEND

Bell	B	Pressure Switch	PS
Duct Smoke Detector	DS	Remote Relay	REL
Fire Phone	FP	Heat Detector, Rate of Rise	RHT
Sprinkler Flow Switch	FS	Smoke Detector	S
Horn	H	Smoke Alarm	SA
Horn/Strobe Combination	HS	Paging Speaker	SP
Heat Detector, Fixed Temperature	HT	Sprinkler Tamper Switch	TS
Manual Pull Station	M	Visual Appliance	V

TECHNICIANS REMARKS / DEFICIENCY FIRE ALARM / SPRINKLER SYSTEM

POWER ON LAMP SHOULD BE REPLACED
CELL ALARM AUDIBLE DOES NOT WORK
BATTERIES ARE UNDER SIZED FOR PANEL. PANEL WILL NOT HOLD ANY LARGER SIZE BATTERIES

EMERGENCY / EXIT LIGHTING:
FOUND WRONG TYPE OF BATTERIES INSTALLED IN EMERGENCY LIGHTING PACK

SAFE BLU
Strathmore, AB.

Date: JULY 14, 2014	Location: RCMP COCHRANE					
	Contact: SGT. ROGER WAIDSON		FIRE ALARM DEVICE REPORT		Phone: 403 932 2213	
LOCATION	ZONE	DEVICE	ALARM	TROUBLE	GROUND	NOTES
WEST VESTIBULE	128	M				
WEST VESTIBULE	60	S				
WEST VESTIBULE	143	RHT				
VICTIMS SERVICES	34	RHT				
GARAGE BAY	50	RHT				
COLD STORAGE	35	RHT				
STORAGE TAMPER 1	135	TAMPER				FIRE CABINET INCOMING
STORAGE TAMPER 2	136	TAMPER				
HIGHWAY PATROL 111	37	RHT				
HIGHWAY PATROL 111	B1	H/S				
VICTIMS SERVICES 111A	33	RHT				TRAFFIC CONTROL
JANITOR ROOM 119	48	RHT				
CORRIDOR 103A	61	S				
W. STAIRS STORAGE RM	36	RHT				
OFFICE STORAGE 122	42	RHT				FILE ROOM
GEN. OFFICE 103	57	S				
OFFICE 105	47	RHT				
OFFICE 106	46	RHT				
OFFICE 107	45	RHT				
OFFICE 108	44	RHT				
GEN. OFFICE 103	58	S				
GEN. OFFICE 103	59	S				
G. I. S. 110A	39	RHT				RADIO ROOM DEVICE REMOVED
G. I. S. 110B	40	RHT				
INTERVIEW ROOM 109	56	S				
GENERAL OFFICE 103	129	M				
RECEPTION 102	41	RHT				
RECEPTION 102	B1	H/S				
VESTIBULE 101	64	S				
GEN. OFFICE AREA 106	B1	H/S				
WOMENS WASHROOM HALL	B1	H/S				
MAIN WORK STATION 123	43	RHT				
OVERNIGHT EXIBIT 126	69	RHT				
SERVICE EXHIBIT 125	70	S				EXHIBIT ROOM
VISITOR ROOM 128	76	S				
LUNCH ROOM 110	38	RHT				
LUNCH ROOM 110	B1	H/S				
2ND FLOOR						
CRAWL SPACE E	18	RHT	✓			
CRAWL SPACE C.E	18	RHT	✓			
CRAWL SPACE C.W	18	RHT	✓			
CRAWL SPACE W	18	RHT	✓			
EAST STAIRWELL	84	S				NO DESCRIPTOR ON PANEL
BOTTOM EAST STAIR MAIN FL.	63	S				
BOTTOM EAST STAIRWELL	130	M				

SAFE BLU
Strathmore, AB.

Date: JULY 14, 2014	Location: RCMP COCHRANE					
	Contact: SGT. ROGER WAIDSON		FIRE ALARM DEVICE REPORT		Phone: 403 932 2213	
LOCATION	ZONE	DEVICE	ALARM	TROUBLE	GROUND	NOTES
WEST STAIRWELL	85	S				NO DESCRIPTOR ON PANEL
WEST STAIRWELL HALL	86	S				NO DESCRIPTOR ON PANEL
WOMENS CHANGE ROOM	126	M				
WOMENS CHANGE ROOM	32	RHT				
MECHANICAL ROOM 201	B1	H/S	✓			
MECHANICAL ROOM 201	52	RHT				
MECHANICAL ROOM 201	51	RHT				
MECHANICAL ROOM 201	53	DS				
MECHANICAL ROOM 201	54	DS				
MECHANICAL ROOM 201	55	DS				
MECHANICAL ROOM 201	134	RELAY				FAN SHUTDOWN
EXERCISE RM	31	RHT				
MENS LOCKER ROOM	30	RHT				
EAST LOCKER ROOM	B1	H/S	✓			
MENS LOCKER ROOM	127	M				
ELECTRICAL-TELE RM	28	RHT				
MENS LOCKER STORAGE ROOM	29	RHT				OFF OF MENS LOCKER ROOM
CELL BLOCK AREA						
GUARD ROOM 130	130	S				
GUARD ROOM 130	131	M				
GUARD WASHROOM 131	75	S				
INTERVIEW ROOM 132	71	S				
BREATH TEST 134	66	S				
BOOKING ROOM 135	87	S				
STORAGE 133	67	S				
BOOKING ROOM 135	65	S				
PATROL CORRIDOR 136	72	S				
PATROL CORRIDOR 136	73	S				
MATRON PATROL 137	74	S				CELLBLOCK EAST HALL
CELL #139	77	S				CELL #1
CELL #140	78	S				CELL #2
CELL #141	79	S				CELL #3
CELL #4		S				NO ACCESS/OCCUPIED
CELL 143	81	S				CELL #5
CELL #6		S				NO ACCESS/OCCUPIED
CELL #7		S				NO ACCESS/OCCUPIED
WEST HALLWAY	B1	H/S				
SECURE BAY 146	49	RHT				
SECURE BAY 146	132	M				
CRAWL SPACE	18	HT				
CRAWL SPACE	19	HT				
CRAWL SPACE	20	HT				
CRAWL SPACE	21	HT				
CRAWL SPACE	22	HT				
CRAWL SPACE	23	HT				
CRAWL SPACE	24	HT				
CRAWL SPACE	25	HT				
CRAWL SPACE	26	HT				
CRAWL SPACE	27	HT				

Inspection and Testing of Fire Alarm Systems

Centratech Technical Services Ltd # 1 – 7644 – 49th Ave Red Deer, Alberta	Date of Service: June 18, 2014	Time: 10:00 am
	Annual Inspection YES	Last Service Date 2012
	Single Stage YES / Two Stage	Direct Connection
	Manufacturer: Mircom	Model: FX-2001-6K
Building Name: K240 RCMP Detachment	Contact Person: Stan Scott	Phone: Fax:
Address: Box 458	Owner:	Phone: Fax:
City: Consort , AB Postal Code:	Fire Signal Receiving Centre: Yes	Phone: Fax:

"Yes"- Acceptable "No" - Unacceptable (Explain No answers in comments)

Yes	No	Summary
☒	☐	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC S536
☒	☐	The fire alarm system documentation is on site and includes a description of the system.
☒	☐	The fire alarm system is fully functional.
☐	☒	The fire alarm system has deficiencies noted.
☒	☐	A copy of this report is given to the Owner or the owner's representative.

	Technicians After-test Checklist
NA	Reconnect time limit cutouts?
YES	Reconnect ancillary functions?
YES	Reconnect ancillary functions (off site connections)?
YES	Reconnect signal power?
NA	Advise fire department the testing is completed?
YES	Ensure that the alarm system is functional?

Comments

I state that the information on this form is correct at the time and place of my inspection, and that all equipment was tested in conformance with applicable codes and the Manufacturers requirements and at this time was left in operational condition upon completion of this inspection except as noted in comments.

Korey Campbell CFFA 11-996672	June 18, 2014	1:00 pm	
Technician	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date June 18, 2014	Building Name: K240 Consort R.C.M.P

"Yes" - Tested correctly "No" - Did not test correctly (Explain NO answers in comments) "NA" Not applicable

2.1 Control Unit or Transponder Tests

yes Power on visual indicator operates.
yes Common visual trouble signal operates.
yes Common audible trouble signal operates.
yes Trouble signal silence switch operates.
yes Main Power supply failure trouble signal operates.
yes Ground fault tested on positive and negative trouble signal
yes Alert signal operation operates.
yes Alarm signal operation operates.
yes Automatic transfer from alert to alarm signal operates.
yes Manual transfer from alert signal to alarm signal operates.
yes Auto transfer from alert to alarm signal cancel operates
yes Alarm signal silence inhibit function operates?
yes Alarm signal manual silence operates.
yes Alarm signal silence visual indication operates.
yes Alarm signal when silenced automatically reinitiates on subsequent alarm?
na Alarm signal silence automatic cut-out timer.
yes Audible visual and alert and alarm signals programmed and operate as per design & specification. (app C)
yes Input circuit alarm and supervisory operation including audible and visual indication operates.
yes Input circuit supervision fault causes a trouble indication.
yes Output circuit alarm indicators operate.
yes Output circuit supervision fault causes a trouble indication.
yes Visual indicator test (lamp test).
yes Coded signal sequence operate not less than the required number of times and the correct alarm signal thereafter.
yes Coded signal sequences are not interrupted by subsequent alarms?
yes Ancillary circuit by-pass will result in a trouble signal.
yes Input circuit to output circuit operation including ancillary device circuits, for correct program operation as per design & spec. (App "C")
yes Fire alarm Reset operates.
yes Main power to emergency power supply transfer operates.
yes Status change confirmation (smoke detectors) verified
yes Receipt of alarm transmission to signal receiving center?
na Receipt of supervisory trans to signal receiving center?
yes Receipt of trouble transmission to signal receiving center?
yes Operation of the fire signal receiving center disconnect results in a specific trouble indication at control unit?

2.3 Control Unit or Transponder Inspection

yes Input circuit designations, correctly identified in relation to connected field devices
yes Output circuit designations correctly identified in relation to connected field devices.
yes Correct designations-common control functions / indicators
yes Plug-in components and modules securely in place?
yes Plug-in cables securely in place
na Record date, revision and version of Firmware & software
Date: Rev: Ver:
yes Clean and free of dust and dirt?
yes Fuses in accordance with MFGs specification?
Control Unit or transponder lock functional?
yes Termination points from wiring to field devices secure

2.6 Annunciator & Remote Trouble Test & Inspection

yes Power on indicator operates.
yes Individual alarm and supervisory input zone clearly
yes Indicated and separately designated?
yes Individual alarm and supervisory zone labels identified.
yes Common trouble signal operates.
yes Visual indicator test - Lamp test operates.
yes Input wiring from control unit/transponder is supervised.
yes Alarm signal silence visual indicator operates.
yes Switches for ancillary function operate as per design.
yes Other ancillary function visual indicators operate.
yes Manual activation of alarm signal and indication operates.
yes Displays are visible in installed location operates?
yes Operates on emergency power?

2.4 Power Supply Inspection

yes Fused with mfgs marked rating of the system?
yes Adequate to meet the requirements of the system?

2.8 Remote Trouble Signal Unit Test and Inspection

na Input wiring form control/transponder is supervised.
na Visual trouble signal operates.
na Audible trouble signal operates.
na Audible trouble signal silence operates.

2.5 Emergency Power Supply Test and Inspection

yes Correct battery type as recommend by manufacturer?
yes Correct rating as determined by battery calculations based on full system load?
yes Battery voltage main power on? **27.1VDC**
yes Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
Voltage **25.2VDC** Current **600MA**
yes Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
Voltage **24.6VDC** Current **600MA**
yes Charging current is **600MA**
yes Inspected for physical damage?
na Terminal cleaned and lubricated?
yes Terminals clamped tightly.
na Correct Electrolyte level?
na Specific gravity within mfg specifications?
no Electrolyte leaks.
yes Adequately ventilated?
yes Battery mfg's date code or in-service date
yes Disconnection causes trouble signal.
Indicate type of Battery Test Performed?
(1) supervisory load for 24h followed by full load operation.
(2) silent test by using load resister method -App F1
(3)Silent accelerated test – App F2
yes (4) A battery capacity meter test App F3
(5) In lieu of battery tests, Replace with new set having current date code, as per mfg
na Record calculated battery capacity App F4. A h
na Record battery terminal voltage after tests V dc
na Battery voltage not less than 85% of its rating after tests.
na Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date June 18, 2014 **Building Name: K240 Consort R.C.M.P**

"Yes" - Tested correctly "No" - Did not test correctly (Explain NO answers in comments) "NA" Not applicable

2.5 Emergency Power Supply Test and Inspection

na Trouble condition at the em gen shall result in an audible common trouble signal and a visual indication at the required annunciator?

2.7 Annunciator (Guard station)

yes Power on indicator operates.

yes Individual alarm, supervisory zone indication operates.

____ (**Exception**: operation of each individual alarm and supervisory zone indication, or lights the identical indicators at the other annunciators and sequential display) Specify method of confirmation

yes Minimum of 1 alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation.

yes Individual alarm and supervisory zone labels identified.

yes Common trouble signal operates.

yes Visual indicator test (lamp test) operates.

yes Input wiring form control unit/transponder supervised

yes Alarm signal silence visual indicator operates.

yes Switches for ancillary function operate as per design.

yes Other ancillary functions visual indicators operate.

yes Manual activation of alarm signal and indication operate.

yes Displays are visible in installed location.

2.9 Printer Testing

na Operation as per design and specification?

na Zone of each alarm initiating device is correctly printed.

na Rated voltage is present.

2.10 Data Communication Link Test (DCL)

na Confirm that a trouble signal is receive at the control unit or transponder under an open loop fault for each DCL

na Where fault isolation modules are installed in DCL serving field devices, wiring shall be shorted on the isolated side, annunciation of the fault confirmed, and then a field device on the source side shall be operated, and activation confirmed at the control unit or transponder.

na Where a fault isolation in DCL is provided between control units/transponders and between

na Transponders, introduce a short circuit fault and confirm

Continued.....

Annunciation of the fault and operation outside the shorted section between each pair of :

na (i) Control unit to control unit

na (ii) Control unit to transponder

na (iii)Transponder to transponder

2.2 Voice Communication Inspection/Tests

na Power "ON" operates?

na Common visual trouble signal operates.

na Common audible trouble signal operates.

na Trouble signal silence switch operates.

na All call voice paging including visual indicator operates?

____ Output circuits for selective voice paging including visual indication operates.

na Output circuits for selective voice paging trouble operation including visual indication operates.

na Microphone including press to talk switch operates.

na Operation of voice paging does interfere with initial inhibit time of alert and alarm signal?

na All call voice paging operates on emergency power?

na Upon failure of one amplifier, system automatically transfers to backup amplifier.

na Circuits for emergency telephone call in operation including audible and visual indication operates

na Circuits for emergency telephone for operation, including two way voice communication operates.

na Circuits for emergency telephones trouble operation including visual indication operates.

na Emergency telephone verbal communication operates.

na Emergency telephone operable or in-use tone at handset.

2.11 Ancillary Device Circuit Test

yes Circuit Monitoring confirmed

na Circuit confirmed

na Circuit confirmed

na Circuit confirmed

Additional Comments:

Tested all devices on battery back up.

Inspection and Testing of Fire Alarm Systems
Individual Device Record

Date June 18, 2014	Building Name: K240 Consort R.C.M.P

A. Correctly installed.	D. Annunciator indication confirmed.
B. Requires Service, Repairs, missing, or cleaning	E. Zone circuit number or address
C. Alarm operation confirmed	

"Y" - Acceptable "N" – Unacceptable (Explain NO answers in comments) "NA" Not applicable

Device	Location	A	B	C	D	E	Remarks
S	General office room 204	Y	NA	Y	Y	Y	
M	Main entrance	Y	NA	Y	Y	Y	
G	Main entrance	Y	NA	Y	Y	Y	
HT	Interview room 203	Y	NA	Y	Y	Y	
HT	Office/storage room 205	Y	NA	Y	Y	Y	
HT	NCO office room 206	Y	NA	Y	Y	Y	
S	Top of stairs	Y	NA	Y	Y	Y	
S	Multipurpose room	Y	NA	Y	Y	Y	
M	Guard station	Y	NA	Y	Y	Y	
G	Guard station	Y	NA	Y	Y	Y	
S	West cell	Y	NA	Y	Y	Y	
S	East cell	Y	NA	Y	Y	Y	
S	Guard station	Y	NA	Y	Y	Y	
M	Garage exit	Y	NA	Y	Y	6	
HT	Garage	Y	NA	Y	Y	6	
HT	Garage secure bay	Y	NA	Y	Y	Y	
S	Secure storage	Y	NA	Y	Y	Y	
S	Secure storage # 2	Y	NA	Y	Y	Y	
HT	Room 101 east basement	Y	NA	Y	Y	Y	
HT	Room 101 west basement	Y	NA	Y	Y	Y	
HT	Janitor room 104 basement	Y	NA	Y	Y	Y	
M	Basement exit pull	Y	NA	Y	Y	Y	
G	Basement exit pull	Y	NA	Y	Y	Y	
HT	Electrical room basement	Y	NA	Y	Y	Y	
HT	Mech room basement	Y	NA	Y	Y	Y	
HT	Storage room 105 basement	Y	NA	Y	Y	Y	

M.	Manual Pull station	DS	Duct smoke detector	B	Bell	AD	Ancillary device
HT	Heat detector, non restorable	SFD	Supporting field device - monitor	H	Horn	ET	Emergency Telephone
G	General alarm (2nd stage)						
RHT	Heat detector, Restorable	FS	Sprinkler flow switch	V	Visual signal appliance	EOL	End of line resistor
S	Smoke detector	SS	Sprinkler supervisory device	SP	Cone type speaker		Other supervisory devices
RI	Remote indicator unit	EM	Fault isolation module	HSP	Horn type speaker		Other type of detector
PS	Pressure switch	BS	Bell & Strobe				

Inspection and Testing of Fire Alarm Systems

Signal Devices Record

Date June 18, 2014	Building Name: K240 Consort R.C.M.P

A. Correctly installed.
B. Requires Service, Repairs, missing, or cleaning
C. Alarm operation confirmed

"Y" - Acceptable "N" – Unacceptable (Explain NO answers in comments) "NA" Not applicable

Device	Location	A	B	C	Remarks
H/S	Front office	Y	NA	Y	
H/S	Guard station	Y	NA	Y	
H/S	Garage	Y	NA	Y	
EOL	Garage	Y	NA	Y	
H/S	Basement	Y	NA	Y	

M.	Manual Pull station	DS	Duct smoke detector	B	Bell	AD	Ancillary device
HT	Heat detector, non restorable	SFD	Supporting field device - monitor	H	Horn	ET	Emergency Telephone
RHT	Heat detector, Restorable	FS	Sprinkler flow switch	V	Visual signal appliance	EOL	End of line resistor
S	Smoke detector	SS	Sprinkler supervisory device	SP	Cone type speaker		Other supervisory devices
RI	Remote indicator unit	EM	Fault isolation module	HSP	Horn type speaker		Other type of detector
PS	Pressure switch	BS	Bell & Strobe				

CENTRATECH TECHNICAL SERVICES LTD.
ANNUAL MAINTENANCE RECORD

Hydrostatic Testing - Breathing Air - Fire Extinguisher Sales, Service, Recharging
"Your Fire and Safety Specialists"

CUSTOMER: K240 Consort R.C.M.P
ADDRESS: Box 240
Consort, Alberta
CONTACT: Stan Scott
PHONE: (403) 716-4323

JOB TICKET/INVOICE:
DATE: Jun 18, 2014
TECHNICIAN: Korey
CASH/ACCOUNT: Account/PO Required
PO# (if required):

#	EXTINGUISHER LOCATION	EXT. SERIAL #	EXT. MAKE	CO	EXT. TYPE	HP	SP	YR MFG	YR HT	YR 6YR	YRHT CART	COMMENTS
1	Back Exit	205750	Amerex		5 ABC		X	08		14		6 Year 2014
2	Basement	98834	Amerex		10 ABC		X	04		10		Inspection
3	Furnace Room	205790	Amerex		5 ABC		X	08		14		6 Year 2014
4	Main Office	459672	Amerex		10 ABC		X	11				Inspection
5												
6	House #1	88160	Amerex		10 ABC		X	09				Inspection
7	House #2	88158	Amerex		10 ABC		X	09				Inspection
8												
9												
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COMMENTS:

#1, 7644 - 49th. Avenue Red Deer, Alberta T4P 1M4 - Phone: (403) 343-1119 - 24 Hours Service - Fax: (403) 346-7774

KOST FIRE – SAFETY

1710A - 31 St. N., Lethbridge, AB T1H 5H1
Phone: 403-331-5678 Fax: 403-331-5679

PORTABLE FIRE EXTINGUISHER SERVICE REPORT

Barry

CUSTOMER NAME: R.C.M.P (CROWSNEST) Blairmore	DATE: June 20, 2014.
OWNER'S NAME & ADDRESS:	LOCATION: Blairmore AB.
BILL TO ADDRESS: SNC. Lavalin O&M	TIME IN:
SHIP TO ADDRESS: 2136 - 127 ST.	TIME OUT:
PHONE #	FAX # P.O. #

	LOCATION	MAKE	TYPE	SIZE	SERIAL #	SERVICE	6 YEAR MAINT. RECH.	HYDRO	RECH.	YEAR MADE	LAST HYDRO TEST	LAST 6 YEAR MAINT.	HYDRO TEST N2CART	MISC. & PARTS TOTAL
1	Hall By Garage	AMEREX	ABC	10	763395	✓				10				
2	Garage	Ame	ABC	5	625251	✓				12				
3	By Front Desk	Ame	ABC	10	545424	✓				13				
4	Staff Room	Ame	ABC	5	610725	✓				12				
5	File Room	Ame	Halotron	5	524048	✓				07				
6	N.W. Hall Exit	Ame	ABC	5	339052	✓				13				
7	Cell Block Area	Ame	ABC	5	509967	✓				10				
8	2ND Garage	Ame	ABC	5	773129	✓				12				
9														
10														
11					(1) BL108 Fire Extinguisher Sticker									
12														
13					Fire Alarm Inspection. Kyle/Barry									
14														
15														
16					1 1/2 HRS Travel Time									
17														
18														
19														
20														

PARTS

	EACH								
	TIMES								
	TOTALS								

SIGNATURE

APPENDIX E (INFORMATIVE) – ANNUAL FIRE ALARM SYSTEM TEST AND INSPECTION RECORDS

(Reference: 3.7, 5.1.1, 5.1.2)

E1. FIRE ALARM SYSTEM ANNUAL TEST AND INSPECTION REPORT

(Reference: 5.1.2)

Building name: Blairmore RCMP		Date: Aug. 20/14	
Address	2136 - 127th St.		
System manufacturer: Simplex		Model number: 4008	

A	System provides single-stage operation.	Yes ☑	No ☐	–
B	System provides two-stage operation.	Yes ☐	No ☑	–
C	The entire *fire alarm system* has been inspected and tested in accordance with CAN/ULC-S536, Inspection and Testing of Fire Alarm Systems.	Yes ☑	No ☐	–
D	The *fire alarm system* documentation is on site and includes a description of the system.	Yes ☐	No ☐	N/A ☐
E	The *fire alarm system* is fully functional.	Yes ☑	No ☐	N/A ☐
F	The *fire alarm system* has deficiencies noted on the pages attached.	Yes ☐	No ☑	N/A ☐
G	Comments			
H	A copy of this report will be given to the following, who is the owner or owner's representative for this *building:* SNC Lavalin O&M	Yes ☑	No ☐	–

This is to certify that the information contained in this Fire Alarm System Annual Test and Inspection Report is correct and complete.

Kyle Heitman Printed Name of Primary or Supervising Technician Conducting the Test and Inspection	KOST Fire-Safety Company	403-894-5953 Telephone
 Signature of Primary or Supervising Technician Conducting the Test and Inspection	4998 Identification Number of Primary or Supervising Technician Conducting the Test and Inspection	
Printed Name of Technician Conducting the Test and Inspection	Company	Telephone
Signature of Technician Conducting the Test and Inspection	Identification Number of Technician Conducting the Test and Inspection	

E2. CONTROL UNIT OR TRANSPONDER TEST RECORD

YES ☐ = Tested Correctly NO ☐ = Did not test correctly (REFER TO REMARKS, E2.12) N/A ☐ = Not applicable FUNCTION OR FEATURE NOT PROVIDED ON THIS FIRE ALARM SYSTEM

E2.1 CONTROL UNIT OR TRANSPONDER TEST

(Reference: Clauses 5.1.3, 5.2.2.1)

Control unit or *transponder* location: Main Entrance
Control unit or *transponder* identification: 4008

A	Power 'ON' visual indicator operates.	Yes ☑	No ☐	N/A ☐
B	Common visual *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
C	Common audible *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
D	*Trouble signal* silence switch operates.	Yes ☑	No ☐	N/A ☐
E	*Main power supply* failure *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
F	*Ground fault tested* on positive and negative initiates *trouble signal.*	Yes ☑	No ☐	N/A ☐
G	*Alert signal* operates.	Yes ☐	No ☑	N/A ☑
H	*Alarm signal* operates.	Yes ☑	No ☐	N/A ☐
I	Automatic transfer from *alert signal* to *alarm signal* operates.	Yes ☐	No ☐	N/A ☑
J	Manual transfer from *alert signal* to *alarm signal* operates.	Yes ☐	No ☐	N/A ☑
K	Automatic transfer from *alert signal* to *alarm signal* cancel (acknowledge) feature operates on a two-stage system.	Yes ☐	No ☐	N/A ☑
L	*Alarm signal* silence inhibit function operates.	Yes ☑	No ☐	N/A ☐
M	*Alarm signal* manual silence operates.	Yes ☑	No ☐	N/A ☐
N	*Alarm signal* silence visual indication operates.	Yes ☑	No ☐	N/A ☐
O	*Alarm signal*, when silenced, automatically reinitiates upon *subsequent alarm.*	Yes ☑	No ☐	N/A ☐
P	*Alarm signal* silence automatic cut-out timer.	Time: 1 min		
Q	Audible and visual *alert signals* and *alarm signals* programmed and operate per *design* and *specification*; or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
R	*Input circuit*, alarm and supervisory operation, including audible and visual indication operates.	Yes ☑	No ☐	N/A ☐
S	*Input circuit* supervision fault causes a trouble indication.	Yes ☑	No ☐	N/A ☐
T	*Output circuit* alarm indicators operate.	Yes ☑	No ☐	N/A ☐

E2.1 continued...

...Continued E2.1

U	*Output circuit* supervision fault causes a trouble indication.	Yes ☑	No ☐	N/A ☐
V	Visual indicator *test* (lamp *test*).	Yes ☑	No ☐	N/A ☐
W	Coded signal sequences operate not less than the required number of times and the correct *alarm signal* operates thereafter.	Yes ☑	No ☐	N/A ☐
X	Coded signal sequences are not interrupted by *subsequent alarms*.	Yes ☑	No ☐	N/A ☐
Y	*Ancillary device* by-pass will result in a *trouble signal*.	Yes ☑	No ☐	N/A ☐
Z	*Input circuit* to *output circuit* operation, including *ancillary device* circuits, for correct program operation, as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
AA	*Fire alarm system* reset operates.	Yes ☑	No ☐	N/A ☐
BB	*Main power supply* to *emergency power supply* transfer operates.	Yes ☑	No ☐	N/A ☐
CC	*Status change confirmation* (*smoke detectors* only) verified. [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)].	Yes ☑	No ☐	N/A ☐
DD	Receipt of the alarm transmission to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐
EE	Receipt of the supervisory transmission to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐
FF	Receipt of the trouble transmission to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐
GG	Record the name and telephone number of the fire *signal receiving centre*.	Name: Reliance Protection Telephone: 1-800-653-9111		
HH	Operation of the fire *signal receiving centre* disconnect means results in a specific trouble indication at the *control unit* or *transponder* and transmits a *trouble signal* to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐

E2.2 VOICE COMMUNICATION TEST

N/A

(Reference: Clause 5.1.3, 5.2.3.1)

A	Power 'ON' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Common visual *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
C	Common audible *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
D	*Trouble signal* silence switch operates.	Yes ☐	No ☐	N/A ☐
E	All-call voice paging, including visual indicator, operates.	Yes ☐	No ☐	N/A ☐
F	*Output circuits* for selective voice paging, including visual indication, operates.	Yes ☐	No ☐	N/A ☐
G	*Output circuits* for selective voice paging trouble operation, including visual indication, operates.	Yes ☐	No ☐	N/A ☐
H	Microphone, including press to talk switch, operates.	Yes ☐	No ☐	N/A ☐
I	Operation of voice paging does not interfere with initial inhibit time of *alert signal* or *alarm signal*.	Yes ☐	No ☐	N/A ☐
J	All-call voice paging operates (on *emergency power supply*).	Yes ☐	No ☐	N/A ☐
K	Upon failure of one amplifier, system automatically transfers to backup amplifier(s).	Yes ☐	No ☐	N/A ☐
L	Circuits for emergency telephone call-in operation, including audible and visual indication, operates.	Yes ☐	No ☐	N/A ☐
M	Circuits for emergency telephones for operation, including two-way voice communication, operates.	Yes ☐	No ☐	N/A ☐
N	Circuits for emergency telephone trouble operation, including visual indication, operates	Yes ☐	No ☐	N/A ☐
O	Emergency telephone verbal communication operates.	Yes ☐	No ☐	N/A ☐
P	Emergency telephone operable or in-use tone at handset operates.	Yes ☐	No ☐	N/A ☐

E2.3 CONTROL UNIT OR TRANSPONDER INSPECTION

(Reference: Clauses 5.1.3, 5.2.4.1) N/A

Control unit or *transponder* location:	
Control unit or *transponder* identification:	

A	*Input circuit* designations correctly identified in relation to connected *field devices.*	Yes ☐	No ☐	N/A ☐
B	*Output circuit* designations correctly identified in relation to connected *field devices.*	Yes ☐	No ☐	N/A ☐
C	Correct designations for common control functions and indicators.	Yes ☐	No ☐	N/A ☐
D	Plug-in components and modules securely in place.	Yes ☐	No ☐	N/A ☐
E	Plug-in cables securely in place.	Yes ☐	No ☐	N/A ☐
F	Record the date, revision and version of *firmware* and *software program.*	Date:		
		Rev: _____	Ver: _____	
G	Clean and free of dust and dirt.	Yes ☐	No ☐	N/A ☐
H	Fuses in accordance with manufacturer's *specification.*	Yes ☐	No ☐	N/A ☐
I	*Control unit* or *transponder* lock functional.	Yes ☐	No ☐	N/A ☐
J	Termination points from wiring to *field devices* secure.	Yes ☐	No ☐	N/A ☐

E2.4 POWER SUPPLY INSPECTION

(Reference: Clauses 5.1.3, 5.3.1)

Control unit or *transponder* location: Main Entrance	
Control unit or *transponder* identification: 4008	

A	Fused in accordance with the manufacturer's marked rating of the system.	Yes ☑	No ☐	N/A ☐
B	Adequate to meet the requirements of the system.	Yes ☑	No ☐	N/A ☐

E2.5 EMERGENCY POWER SUPPLY TEST AND INSPECTION

(Reference: Clauses 5.1.3, 5.3.2, 5.3.3)

Control unit or *transponder* location: Main Entrance
Control unit or *transponder* identification: 4008

A	Correct battery type as recommended by manufacturer.	Yes ☑	No ☐	N/A ☐
B	Correct battery rating as determined by battery calculations based on full system load.	Yes ☑	No ☐	N/A ☐
C	Battery voltage with *main power supply* 'ON'.	27.4 V dc		
D	Battery voltage and current with *main power supply* 'OFF' and *fire alarm system* in supervisory condition.	Voltage: 26.9 V dc Current: – A		
E	Battery voltage and current with *main power supply* 'OFF' and *fire alarm system* in full load alarm condition.	Voltage: 26 V dc Current: – A		
F	Charging current.	– A		
G	Physical damage.	Yes ☐	No ☑	N/A ☐
H	Terminals cleaned and lubricated.	Yes ☑	No ☐	N/A ☐
I	Terminals clamped tightly.	Yes ☑	No ☐	N/A ☐
J	Correct electrolyte level.	Yes ☑	No ☐	N/A ☐
K	Specific gravity of electrolyte is within manufacturer's *specifications*.	Yes ☑	No ☐	N/A ☐
L	Electrolyte leakage.	Yes ☐	No ☑	N/A ☐
M	Adequate ventilation.	Yes ☑	No ☐	N/A ☐
N	Battery manufacturer's date code or in-service date.	Date: 09/09		
O	Disconnection causes *trouble signal*.	Yes ☑	No ☐	N/A ☐
P	Indicate type of battery *tests* performed: (i) Required supervisory load for 24 h followed by the required full load operation; or (ii) A silent *test* by using the load resistor method may be used for the full duration *test* (Refer to Appendix F1, Silent Test); or (iii) Silent accelerated *test*. (Refer to Appendix F2, Silent Accelerated Test);or (iv) A battery capacity meter *test*. (Refer to Appendix F3, Battery Capacity Meter Test); or (v) In lieu of the above battery *tests*, replace the battery with a new set having a current date code, amp-hour capacity and type as recommended by the manufacturer.	Yes ☐ Yes ☐ Yes ☐ Yes ☑ Yes ☐	No ☐ No ☐ No ☐ No ☐ No ☐	
Q	Record calculated battery capacity (Refer to Appendix F4.1-C).	12 A•h		
R	Record battery terminal voltage after completion of *tests*.	26 V dc		

E2.5 continued...

Continued E2.5 ...

S	Battery voltage not less than 85% of its rating after the *tests*.	Yes ☑	No ☐	N/A ☐
T	Generator provides power to the AC circuit serving the *fire alarm system*.	Yes ☐	No ☐	N/A ☑
U	Trouble condition at the emergency generator shall result in an audible common *trouble signal* and a visual indication at the required *annunciator*.	Yes ☐	No ☐	N/A ☑

E2.6 ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

(Reference: Clauses 5.1.4, 5.4.1)

Annunciator or remote *trouble signal* unit location: Cell Block
Annunciator or remote *trouble signal* unit identification: SIMPLEX

A	Power 'on' indicator operates.	Yes ☑	No ☐	N/A ☐
B	Individual alarm, and supervisory *input zones* are clearly indicated and separately designated.	Yes ☑	No ☐	N/A ☐
C	Individual alarm and supervisory *zone* designation labels are properly identified.	Yes ☑	No ☐	N/A ☐
D	Common *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
E	Visual indicator *test* (lamp *test*) operates.	Yes ☑	No ☐	N/A ☐
F	Input wiring from *control unit* or *transponder* is supervised.	Yes ☑	No ☐	N/A ☐
G	*Alarm signal* silence visual indicator operates.	Yes ☑	No ☐	N/A ☐
H	Switches for ancillary functions operate as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
I	Other ancillary function visual indicators operate.	Yes ☑	No ☐	N/A ☐
J	Manual activation of *alarm signal* and indication operates.	Yes ☐	No ☐	N/A ☑
K	Displays are visible in installed location operates.	Yes ☑	No ☐	N/A ☐
L	Operates on emergency power.	Yes ☑	No ☐	N/A ☐

E2.7 ANNUNCIATORS OR SEQUENTIAL DISPLAYS

(Reference: Clauses 5.1.4, 5.4.2) N/A

Annunciator or *sequential display* location:
Annunciator or *sequential display* identification:

A	Power 'on' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Individual alarm and supervisory *zone* indication operates.	Yes ☐	No ☐	N/A ☐ (See exception)
	Exception: Operation of each individual alarm and supervisory *zone* indication gives the identical indication, or lights the identical indicators at the other *annunciator(s)* and *sequential display(s)*. Specify Method of confirmation: _____	Yes ☐	No ☐	N/A ☐
	Minimum of one alarm *zone* and one supervisory *zone* tested per *annunciator* or *sequential display* to confirm operation.	Yes ☐	No ☐	N/A ☐
C	Individual alarm and supervisory *zone* designation labels are properly identified.	Yes ☐	No ☐	N/A ☐
D	Common *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
E	Visual indicator *test* (lamp *test*) operates.	Yes ☐	No ☐	N/A ☐
F	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
G	*Alarm signal* silence visual indicator operates.	Yes ☐	No ☐	N/A ☐
H	Switches for ancillary functions operate as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
I	Other ancillary functions visual indicators operate.	Yes ☐	No ☐	N/A ☐
J	Manual activation of *alarm signal* and indication operates.	Yes ☐	No ☐	N/A ☐
K	Displays are visible in installed location.	Yes ☐	No ☐	N/A ☐

E2.8 REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

(Reference: Clauses 5.1.4, 5.4.3)

N/A

Remote *trouble signal* unit location:
Remote *trouble signal* unit identification:

A	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
B	Visual *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
C	Audible *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
D	Audible *trouble signal* silence operates.	Yes ☐	No ☐	N/A ☐

E2.9 PRINTER TEST

(Reference Clauses 5.1.4, 5.5.1)

N/A

Printer location:
Printer identification:

A	Operates as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
B	*Zone* of each alarm initiating device is correctly printed.	Yes ☐	No ☐	N/A ☐
C	Rated voltage is present.	Yes ☐	No ☐	N/A ☐

E2.10 DATA COMMUNICATION LINK TEST

(Reference: Subsection 5.1.5, 5.6-Note) N/A

Control unit or *transponder* location:
Control unit or *transponder* identification:
Data communication link identification:

A	Confirm that a *trouble signal* is received at the *control unit* or *transponder* under an open loop fault for each *data communication link* (DCL).	Yes ☐	No ☐	N/A ☐
B	Where *fault isolation modules* are installed in *data communication links* serving *field devices*, wiring shall be shorted on the isolated side, *annunciation* of the fault confirmed, and then a *field device* on the source side shall be operated, and activation confirmed at the *control unit* or *transponder*.	Yes ☐	No ☐	N/A ☐
C	Where fault isolation in *data communication links* is provided between *control units* or *transponders* and between *transponders*, introduce a *short circuit fault* and confirm annunciation of the fault and operation outside the shorted section between each pair of:			
	(i) *Control unit* to *control unit*	Yes ☐	No ☐	N/A ☐
	(ii) *Control unit* to *transponder*	Yes ☐	No ☐	N/A ☐
	(iii) *Transponder* to *transponder*	Yes ☐	No ☐	N/A ☐

E2.11 ANCILLARY DEVICE CIRCUIT TEST

(Reference: Clause 5.2.2.1-Z)

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	OPERATION OF ANCILLARY CIRCUIT CONFIRMED		
	Yes ☐	No ☐	N/A ☐
	Yes ☐	No ☐	N/A ☐
	Yes ☐	No ☐	N/A ☐

Note: The *tests* reported on this Form do not include the actual operational *test* of *ancillary devices*.

E2.12 REMARKS

(Reference: E2)

(Attach additional sheets if further remarks are required)

E3. FIELD DEVICE RECORD

(Reference: Clause 5.1.6)

E3.1 FIELD DEVICE TESTING — LEGEND AND NOTES

(Reference: Clauses 5.7.4.1.3, 5.7.4.1.4, 5.7.4.1.5, 5.7.4.3.1, 5.7.4.5.1, 5.7.8.1.1, 5.7.8.2.2, 5.7.8.2.4)

DEVICE	DESCRIPTION	TYPE	MODEL NO.
M	*Manual Pull Station*	Simplex	Single address
RHT	*Heat Detector*, Restorable	Simplex	Single address
HT	*Heat Detector*, Non-restorable	Simplex	Addressable
S	*Smoke Detector* Sensitivity Test Method or Test Equipment: Model/Method: Smoke Check Manufacturer Sensitivity Range: Sensitivity Range:	Not applicable	Not applicable
RI	Remote Indicator Unit		
DS	Duct *Smoke Detector*		
--	Other Type of Detector		
SFD	*Supporting Field Device* (Monitor)		
FS	Sprinkler Flow Switch		
SS	Sprinkler *Supervisory Device*		
--	Other *Supervisory Devices* (Low Pressure, Low Water, Low Temperature, Power Loss, etc.)		
EM	*Fault Isolation Module*		
B	Bell		
H	Horn	Simplex	
V	*Visible Signal Device*	Simplex	
SP	Cone Type Speaker		
HSP	Horn Type Speaker		
AD	*Ancillary Device*		
ET	Emergency Telephone		
EOL	End-of-Line Resistor		

The following notes apply to Appendix E3.2, Individual Device Record:

NOTE 1: *Smoke detector sensitivity* confirmation or measurement should be recorded in the remarks column.

NOTE 2: *Smoke detector* cleaning or replacement date should also be recorded in the remarks column.

NOTE 3: Status Change, including time delay, should be recorded in the remarks column.

NOTE 4: Duct *smoke detector* pressure differential should be confirmed and recorded in the remarks column.

E3.1 continued...

E3. FIELD DEVICE RECORD

(Reference: Clause 5.1.6)

E3.1 FIELD DEVICE TESTING — LEGEND AND NOTES

(Reference: Clauses 5.7.4.1.3, 5.7.4.1.4, 5.7.4.1.5, 5.7.4.3.1, 5.7.4.5.1, 5.7.8.1.1, 5.7.8.2.2, 5.7.8.2.4)

DEVICE	DESCRIPTION	TYPE	MODEL NO.
M	*Manual Pull Station*	Simplex	Single address
RHT	*Heat Detector*, Restorable	Simplex	Single address
HT	*Heat Detector*, Non-restorable	Simplex	Addressable
S	*Smoke Detector* Sensitivity Test Method or Test Equipment: Model/Method: Smoke check Manufacturer Sensitivity Range: Sensitivity Range:	Not applicable	Not applicable
RI	Remote Indicator Unit		
DS	Duct *Smoke Detector*		
--	Other Type of Detector		
SFD	*Supporting Field Device* (Monitor)		
FS	Sprinkler Flow Switch		
SS	Sprinkler *Supervisory Device*		
--	Other *Supervisory Devices* (Low Pressure, Low Water, Low Temperature, Power Loss, etc.)		
EM	*Fault Isolation Module*		
B	Bell		
H	Horn	Simplex	
V	*Visible Signal Device*	Simplex	
SP	Cone Type Speaker		
HSP	Horn Type Speaker		
AD	*Ancillary Device*		
ET	Emergency Telephone		
EOL	End-of-Line Resistor		

The following notes apply to Appendix E3.2, Individual Device Record:

NOTE 1: *Smoke detector sensitivity* confirmation or measurement should be recorded in the remarks column.

NOTE 2: *Smoke detector* cleaning or replacement date should also be recorded in the remarks column.

NOTE 3: Status Change, including time delay, should be recorded in the remarks column.

NOTE 4: Duct *smoke detector* pressure differential should be confirmed and recorded in the remarks column.

E3.1 continued...

Continued E3.1 ...

NOTE 5: Time delay setting of water flow switch should be recorded in the remarks column.

NOTE 6: Sprinkler supervisory switches cause trouble condition to be annunciated but not an alarm condition.

NOTE 7: Upper and lower pressure setting of *supervisory devices* should be recorded in the remarks column.

NOTE 8: Low temperature setting should be recorded in the remarks column.

NOTE 9: Identify the specific *ancillary devices* in the remarks column.

NOTE 10: Identify date *field device* changed in the remarks column.

NOTE 11: Identify correct *field device* operation (e.g., alarm, trouble, supervisory, annunciation indication).

NOTE 12: Identify *zone*, circuit number, or address.

NOTE 13: Identify *conventional field device* locations.

NOTE 14: Identify *active field device* and *supporting field device*, *data communication link* (DCL), address and location.

NOTE 15: *Test* and confirm *conventional field device* supervision of wiring.

NOTE 16: Confirm *field device* free of damage.

NOTE 17: Confirm *field device* free of foreign substance (e.g. paint).

NOTE 18: Confirm *field device* mechanically supported independently of the wiring.

NOTE 19: Confirm *field device* protective dust shields or covers removed.

CAUTION: The *tests* reported on this Form do not include the actual operational *test* of *ancillary devices*.

E3.2 INDIVIDUAL DEVICE RECORD

(Reference: Clauses 5.7.1.3, E3.1)

BUILDING NAME: Crowsnest Ramp PAGE 1 OF 2

DATE: Aug 20/14

Device Legends And Notes Are Listed In Appendix E3.1, Field Device Testing – Legend and Notes

LOCATION	DEVICE	CORRECTLY INSTALLED	REQUIRES SERVICE, REPAIRS, CLEANING OR MISSING	ALARM OPERATION CONFIRMED	ANNUNCIATION INDICATION CONFIRMED	ZONE CIRCUIT NUMBER OR ADDRESS	REMARKS
Reception	Pull Station	✓		✓	✓		
Interview	Smoke	✓		✓	✓		
Garage	Heat	✓		✓	✓		
Furnace Room	Heat	✓		✓	✓		
Server Room	Heat.	✓		✓	✓		
Office	Smoke	✓		✓	✓		
Staff Area Lunch Rm	Smoke	✓		✓	✓		
Rear Hall	Smoke	✓		✓	✓		
File Storage	Heat Det.	✓		✓	✓		
Exercise Room	Smoke	✓		✓	✓		
Rear Exit	Pull Station	✓		✓	✓		
Corridor Hallway	Smoke	✓		✓	✓		
Breath Room	Smoke	✓		✓	✓		
Guard Washroom	Smoke	✓		✓	✓		
Rec Visit Room	Smoke	✓		✓	✓		
Female Cell Walk	Smoke	✓		✓	✓		
Female Cell	Smoke	✓		✓	✓		
Guard Room	Smoke	✓		✓	✓		
Holding Cell	Smoke	✓		✓	✓		
Male Cell Walkway	Smoke	✓		✓	✓		
Male Cell South	Smoke	✓		✓	✓		
Male Cell North	Smoke	✓		✓	✓		
Secure Bay	Heat Det	✓		✓	✓		
Garage	Pull Station	✓		✓	✓		
Guard Room Storage	Heat Det	✓		✓	✓		

E3.2 INDIVIDUAL DEVICE RECORD

(Reference: Clauses 5.7.1.3, E3.1)

BUILDING NAME: Crowsnest RCMP PAGE 2 OF 2

DATE: Aug. 20/14

Device Legends And Notes Are Listed In Appendix E3.1, Field Device Testing – Legend and Notes

LOCATION	DEVICE	CORRECTLY INSTALLED	REQUIRES SERVICE, REPAIRS, CLEANING OR MISSING	ALARM OPERATION CONFIRMED	ANNUNCIATION INDICATION CONFIRMED	ZONE CIRCUIT NUMBER OR ADDRESS	REMARKS
Front Hall	Horn & STROBE	✓		✓	✓		
Furnace Room	Horn & STROBE	✓		✓	✓		
Hall By Gym	Horn & STROBE	✓		✓	✓		
Cell Block Area	Horn & STROBE	✓		✓	✓		
Garage	Horn & STROBE	✓		✓	✓		

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PORTABLE FIRE EXTINGUISHER SERVICE REPORT

Pg 1 of 2. Barry

CUSTOMER NAME: Fort Macleod RCMP	DATE: Aug 19, 2014
OWNER'S NAME & ADDRESS:	LOCATION: Fort Macleod AB
BILL TO ADDRESS: SNC Lavalin Dam	TIME IN:
SHIP TO ADDRESS: 2018 - 8th Ave Tol 0z0	TIME OUT:
PHONE #	FAX # P.O. # DM # 67411710.

	LOCATION	MAKE	TYPE	SIZE	SERIAL #	SERVICE	6 YEAR MAINT. RECH.	HYDRO	RECH.	YEAR MADE	LAST HYDRO TEST	LAST 6 YEAR MAINT.	HYDRO TEST N2CART	MISC. & PARTS TOTAL
1	Back Exit	SF	ABC	10	260885	✓				11				
2	Service Room	Amc.	Halotron	5	208203	✓				12				
3	Front Entrance	SF	ABC	10	260886	✓				11				
4	Cell Block	SF	ABC	10	260816	✓				11				
5	attached Garage	SF	ABC	5	347316	✓				10				
6	Electrical Room	SF	ABC	10	260889	✓				11				
7	Garage	Amc	ABC	10	566426	✓				13				
8	Garage	Amc	ABC	10	473522	✓				08	13			
9	Lunch Room	Amc	ABC	5	272088	✓				13				
10														
11														
12					Emergency lights				1 Hr Labour.					
13					(1) 12V 35AH Battery									
14														
15					Fire Alarm Fire Inspection				Kyle/Blaine					Barry
16					Sprinkler Inspection				Blaine					
17														
18														
19														
20														
	PARTS					EACH								
						TIMES								
						TOTALS								

SIGNATURE Lori Ervin

93123

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BARRY.

Pg 2 of 3

EMERGENCY LIGHTING & PARTS SERVICE REPORT

CUSTOMER NAME: Fort Macleod R.C.M.P.	DATE: Dec 19, 2014
OWNERS NAME & ADDRESS:	LOCATION: Fort Macleod Alb.
BILLTO ADDRESS: SNC. Lavalin	TIME IN:
SHIP TO ADDRESS: 2018 - 8th Ave TOL 0Z0	TIME OUT:
PHONE#	FAX# PO# PM# 6741710

	EMERGENCY LIGHTING LOCATION	UNIT MAKE & MODEL	TYPE (EXIT, SINGLE REMOTE, DOUBLE REMOTE, POWER)	COMM
1	N. Exit		Exit.	Good
2	Hall by office		Double Remote	Good
3	Hall By office		Exit	Good
4	N. Exit		Double Remote.	Good
5	Hallway		Double Remote	Good
6	Men's Change Rm		Double Remote	Good
7	File Room		Double Remote	Good
8	Ladies Change Room		Double Remote	Good
9	office		Double Remote	Good
10	Coffee Room	STANPRO.	Power Unit.	Good
11	By Front Desk		Double Remote	Good
12	Front Door		Exit	Good
13	Front Door		Double Remote	Good
14	Front office		Exit	Good
15	Officers office		Double Remote	Good
16				

EMERGENCY LIGHTING TOTALS: 25 | 1 1/2 HR Labour

PARTS #	QUANTITY	PARTS #	
12V-35AH Battery	1		

SIGNATURE: Lori Erven

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3 of 3

EMERGENCY LIGHTING & PARTS SERVICE REPORT

CUSTOMER NAME: Fort Macleod RCMP	DATE: Aug 19 201
OWNERS NAME & ADDRESS:	LOCATION: Fort Macle
BILLTO ADDRESS: SNC Lavalin	TIME IN:
SHIP TO ADDRESS: 2018 - 8th Ave TOL 0Z0	TIME OUT:
PHONE#	FAX# PO#

	EMERGENCY LIGHTING LOCATION	UNIT MAKE & MODEL	TYPE (EXIT, SINGLE REMOTE, DOUBLE REMOTE, POWER)	COMM
1	officers office		Double Remote	Good
2	Cell Area Desk	STANPRO	Power Unit	Good
3	Cell Area Desk		Double Remote	Good
4	Cell Area Desk		Exit	Good
5	Cell Hall		Double Remote	Good
6	Cell Hall		Exit	Good
7	attached Garage		Double Remote	Good
8	attached Garage		Exit	Good
9	Electrical Room	STANPRO	Power Unit 12V 35AH Battery	Good
10	Exercise Room		Double Remote	Good
11				
12				
13				
14	"	"		
15	PANAL C	Breaker #19 #21 #23 in Electrical Room Rht Side.		

EMERGENCY LIGHTING TOTALS

PARTS #	QUANTITY	PARTS #

SIGNATURE: Lori Erven

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PHONE: 403-331-5678 FAX: 403-331-5679

Automatic Sprinkler System Report of Inspection

Building Name: RCMP **Date:** AUG 19/14

Address: FORT MACLEOD

Report to be submitted to: _____

Inspected By: Glen Kolenbbly

GENERAL	YES	N/A	NO
Is the building occupied?	✓		
Are all systems in service?	✓		
Do non-sprinklered areas or areas where sprinklers are obstructed appear to be adequately protected?	✓		
Is there a minimum of 18" clearance between the top of storage and sprinkler deflector?	✓		
In areas protected by wet systems, does the building appear to be properly heated in all areas, including blind attics and perimeter areas, where accessible?	✓		
Do all exterior openings appear to offer protection against freezing?	✓		
Do the hand hose(s) on the sprinkler system appear to be satisfactory?		✓	
Are there fire hydrants that require annual maintenance?		✓	

Control Valves	YES	N/A	NO
Are all sprinkler system control valves and all other valves in the appropriate open or closed position?	✓		
Are all control valves in the open position and locked, sealed or equipped with a tamper switch?	✓		

Fire Department Connection	YES	N/A	NO
Is the fire department connection in satisfactory condition, couplings free, caps in place, check valve tight and ball drip functioning?	✓		

Wet System & Antifreeze Loop	YES	N/A	NO
Have anti-freeze systems solution been tested?		✓	
Were the antifreeze test results satisfactory?			
Has the excess pressure pump been tested for proper operation?	✓		

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Dry System	YES	N/A	NO
Is the dry valve in service?		✓	
Are the quick opening devices in service			
Air the air pressure and priming water levels in accordance with manufacturer's specifications?			
Has the operation of the air compressor or nitrogen supply been tested?			
Were low points drained during this inspection?			
Was the dry pipe valve trip tested at this inspection (Every 3 years by code)			
Date dry pipe valve last trip tested: _____ By: _____			
Did the heating equipment in the dry pipe valve room operate at the time of inspection?			
Was level oil in air compressor checked?			
Was piping an entry to freezer checked for ice formations?			

Special Systems (Deluge, Pre-action)	YES	N/A	NO
Date deluge or pre-action system was last trip tested: _____ By: _____		✓	
Did the deluge or pre-action valves operate properly during testing?			
Did the supplementary detection devices operate properly during testing? (heat,smoke,etc)			
Did the supervisory devices operate during testing?			
Are other fixed fire protection systems being maintained and serviced?			

Alarms	YES	N/A	NO
Did water motor gong function properly when tested?		✓	
Did electric alarm function properly when tested?	✓		
Did supervisory alarm service function properly when tested?	✓		
Did supervisory functions indicate at the fire alarm annunciator properly?	✓		

Sprinklers	YES	N/A	NO
Do sprinklers appear to be free from damage, corrosion, loading, or obstruction to spray discharge?	✓		
Are sprinklers less than 50 years old? Standard*	✓		
Are sprinklers less than 20 years old? Residential Quick Response*		✓	
Is stock of spare sprinkler heads and sprinkler wrenches available/adequate?	✓		
Does the exterior condition of sprinkler system appear to be satisfactory?	✓		
Do exposed sprinkler piping hangers appear to be in satisfactory condition?	✓		
Are sprinkler heads proper temperature ratings for their location?	✓		
Do sprinkler heads without guards appear free from possible mechanical damage?	✓		
Are fire extinguishers being maintained and serviced? By: Kost FIRE	✓		

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Alarm Valve Type	Manufacturer	Model Number	Size (Inches)	Year
BACK FLOW	WATT	1364	4"	N A

Detection Device (flow, tamp)	Manufacturer & Model #	Location of Device (Area prot'd)	Fire Alarm Zone	Operation of Device (time)	Valve (Open/Closed)	Working Condition (pass – fail)
TAMPER	VICTAULIC	VALVE ROOM	11	8 SEC	CLOSED	PASS
11	11	VALVE ROOM	9	9 SEC	11	11
FLOW	SYSTEM SENSOR	VALVE ROOM	10	45 SEC	OPEN	PASS

Water Flow Test at Sprinkler Riser

Water Supply - ~~City~~ Town: ✓ Tank: _____ Pump: _____ Roof: _____*

	DATE	Test Drain		Static Pressure	Residual Pressure (Flow)
		Location	Drain Size		
Last water flow test					
This water flow test	AUG 19/14	MAIN VALVE	2"	125 PSI	65 PSI

* A flow test must be conducted every 5 years at the hydraulically most remote hose connection.

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Owner/Representative of Owner Section

1) Explain any occupancy hazard changes or changes to the building since the previous inspection:
NONE

2) Describe fire protection modifications made since last inspection; if any:
NONE

3) Describe any fires since last inspection, in detail; if any:
NONE

4) When was the system piping last checked for stoppage, corrosion, or foreign material?
AUG 19/14

5) When the dry piping system was last checked for proper pitch?
NA

6) Are dry pipe valves and wet system piping adequately protected from freezing to your knowledge?
YES

If not, please note areas of concern: _____

7) Upon completion of this 'Annual Sprinkler Inspection', if 'Critical Deficiencies" are noted on the inspectors report, you as the owner/tenant/representative of owner will have 30 days to have them repaired/rectified. Please be advised that compliance is not negotiable or optional with regards to Alberta Fire Code and your Local Fire Authority.

Acknowledge: YES NO

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Service Technician Comments and Recommendations

NONE

Location of sprinklers requiring replacement or obstructed sprinklers sited:

NONE

"Non- Critical" deficiencies and system impairments requiring attention:

NONE

"Critical" deficiencies and system impairments requiring immediate attention:

NONE

KOST
FIRE - SAFETY
(A DIVISION OF KOST FIRE EQUIPMENT LTD.)
1710A – 31 Street N. Lethbridge, AB T1H 5H1
G.S.T.#R102878220
PHONE: 403-331-5678 FAX: 403-331-5679

Summary

1) Sprinkler System is now fully operational YES ✓ NO _____

2) The sprinkler system is operational with ***'Non-Critical"*** deficiencies noted on "Service Technician Comments and Recommendations" page attached.

YES _____ NO ✓

3) The sprinkler system has ***"Critical"*** deficiencies or *SYSTEM IMPAIRMENT* noted on the "Service Technician Comments and Recommendations" page attached; which require immediate attention by owner/occupant.

YES _____ NO ✓

4) A copy of this report has been given to SNC LAVALIN , who is the owner or representative of the owner for this building.

YES ✓ NO _____.

GLEN KALINSKY Glen Kalinsky KOST FIRE
Printed Name & Signature of Supervising Technician Conducting the Annual Service — Company

403 - 331-5678
Telephone Number of Technician

ALBERTA FIRE CODE **requires this record be maintained by the owner for a minimum of two (2) years.**

APPENDIX E (INFORMATIVE) – ANNUAL FIRE ALARM SYSTEM TEST AND INSPECTION RECORDS

(Reference: 3.7, 5.1.1, 5.1.2)

E1. FIRE ALARM SYSTEM ANNUAL TEST AND INSPECTION REPORT

(Reference: 5.1.2)

Building name: Fort Malad Camp		Date: Aug. 19/14	
Address	2018 - 8th Ave.		
System manufacturer: GE. EST		Model number: 1050 (GC)	

A	System provides single-stage operation.	Yes ☑	No ☐	–
B	System provides two-stage operation.	Yes ☐	No ☑	–
C	The entire *fire alarm system* has been inspected and tested in accordance with CAN/ULC-S536, Inspection and Testing of Fire Alarm Systems.	Yes ☑	No ☐	–
D	The *fire alarm system* documentation is on site and includes a description of the system.	Yes ☑	No ☐	N/A ☐
E	The *fire alarm system* is fully functional.	Yes ☑	No ☐	N/A ☐
F	The *fire alarm system* has deficiencies noted on the pages attached.	Yes ☐	No ☑	N/A ☐
G	Comments			
H	A copy of this report will be given to the following, who is the owner or owner's representative for this *building*: SNC Lavalin	Yes ☑	No ☐	–

This is to certify that the information contained in this Fire Alarm System Annual Test and Inspection Report is correct and complete.

Kyle Heitman	KOST Fire-Safety	403-894-5953
Printed Name of Primary or Supervising Technician Conducting the Test and Inspection	Company	Telephone
Signature of Primary or Supervising Technician Conducting the Test and Inspection	4998	
	Identification Number of Primary or Supervising Technician Conducting the Test and Inspection	

Printed Name of Technician Conducting the Test and Inspection	Company	Telephone
Signature of Technician Conducting the Test and Inspection	Identification Number of Technician Conducting the Test and Inspection	

E2. CONTROL UNIT OR TRANSPONDER TEST RECORD

YES ☐ = Tested Correctly NO ☐ = Did not test correctly (REFER TO REMARKS, E2.12) N/A ☐ = Not applicable FUNCTION OR FEATURE NOT PROVIDED ON THIS FIRE ALARM SYSTEM

E2.1 CONTROL UNIT OR TRANSPONDER TEST

(Reference: Clauses 5.1.3, 5.2.2.1)

Control unit or *transponder* location: Main Entrance
Control unit or *transponder* identification: CST

A	Power 'ON' visual indicator operates.	Yes ☑	No ☐	N/A ☐
B	Common visual *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
C	Common audible *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
D	*Trouble signal* silence switch operates.	Yes ☑	No ☐	N/A ☐
E	*Main power supply* failure *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
F	*Ground fault tested* on positive and negative initiates *trouble signal*.	Yes ☑	No ☐	N/A ☐
G	*Alert signal* operates.	Yes ☐	No ☐	N/A ☑
H	*Alarm signal* operates.	Yes ☑	No ☐	N/A ☐
I	Automatic transfer from *alert signal* to *alarm signal* operates.	Yes ☐	No ☐	N/A ☑
J	Manual transfer from *alert signal* to *alarm signal* operates.	Yes ☐	No ☐	N/A ☑
K	Automatic transfer from *alert signal* to *alarm signal* cancel (acknowledge) feature operates on a two-stage system.	Yes ☐	No ☐	N/A ☑
L	*Alarm signal* silence inhibit function operates.	Yes ☑	No ☐	N/A ☐
M	*Alarm signal* manual silence operates.	Yes ☑	No ☐	N/A ☐
N	*Alarm signal* silence visual indication operates.	Yes ☑	No ☐	N/A ☐
O	*Alarm signal*, when silenced, automatically reinitiates upon *subsequent alarm*.	Yes ☑	No ☐	N/A ☐
P	*Alarm signal* silence automatic cut-out timer.	Time: 1 min		
Q	Audible and visual *alert signals* and *alarm signals* programmed and operate per *design* and *specification*; or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
R	*Input circuit*, alarm and supervisory operation, including audible and visual indication operates.	Yes ☑	No ☐	N/A ☐
S	*Input circuit* supervision fault causes a trouble indication.	Yes ☑	No ☐	N/A ☐
T	*Output circuit* alarm indicators operate.	Yes ☑	No ☐	N/A ☐

E2.1 continued...

...Continued E2.1

U	*Output circuit* supervision fault causes a trouble indication.	Yes ☑	No ☐	N/A ☐
V	Visual indicator *test* (lamp *test*).	Yes ☑	No ☐	N/A ☐
W	Coded signal sequences operate not less than the required number of times and the correct *alarm signal* operates thereafter.	Yes ☑	No ☐	N/A ☐
X	Coded signal sequences are not interrupted by *subsequent alarms*.	Yes ☑	No ☐	N/A ☐
Y	*Ancillary device* by-pass will result in a *trouble signal*.	Yes ☑	No ☐	N/A ☐
Z	*Input circuit* to *output circuit* operation, including *ancillary device* circuits, for correct program operation, as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☑	No ☐	N/A ☐
AA	*Fire alarm system* reset operates.	Yes ☑	No ☐	N/A ☐
BB	*Main power supply* to *emergency power supply* transfer operates.	Yes ☑	No ☐	N/A ☐
CC	*Status change confirmation* (*smoke detectors* only) verified. [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)].	Yes ☑	No ☐	N/A ☐
DD	Receipt of the alarm transmission to the fire *signal receiving centre*.	Yes ☐	No ☑	N/A ☐
EE	Receipt of the supervisory transmission to the fire *signal receiving centre*.	Yes ☐	No ☑	N/A ☐
FF	Receipt of the trouble transmission to the fire *signal receiving centre*.	Yes ☐	No ☑	N/A ☐
GG	Record the name and telephone number of the fire *signal receiving centre*.	Name: Reliance Protection Telephone: 1800 65 39 111		
HH	Operation of the fire *signal receiving centre* disconnect means results in a specific trouble indication at the *control unit* or *transponder* and transmits a *trouble signal* to the fire *signal receiving centre*.	Yes ☑	No ☐	N/A ☐

E2.2 VOICE COMMUNICATION TEST

N/A

(Reference: Clause 5.1.3, 5.2.3.1)

A	Power 'ON' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Common visual *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
C	Common audible *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
D	*Trouble signal* silence switch operates.	Yes ☐	No ☐	N/A ☐
E	All-call voice paging, including visual indicator, operates.	Yes ☐	No ☐	N/A ☐
F	*Output circuits* for selective voice paging, including visual indication, operates.	Yes ☐	No ☐	N/A ☐
G	*Output circuits* for selective voice paging trouble operation, including visual indication, operates.	Yes ☐	No ☐	N/A ☐
H	Microphone, including press to talk switch, operates.	Yes ☐	No ☐	N/A ☐
I	Operation of voice paging does not interfere with initial inhibit time of *alert signal* or *alarm signal*.	Yes ☐	No ☐	N/A ☐
J	All-call voice paging operates (on *emergency power supply*).	Yes ☐	No ☐	N/A ☐
K	Upon failure of one amplifier, system automatically transfers to backup amplifier(s).	Yes ☐	No ☐	N/A ☐
L	Circuits for emergency telephone call-in operation, including audible and visual indication, operates.	Yes ☐	No ☐	N/A ☐
M	Circuits for emergency telephones for operation, including two-way voice communication, operates.	Yes ☐	No ☐	N/A ☐
N	Circuits for emergency telephone trouble operation, including visual indication, operates	Yes ☐	No ☐	N/A ☐
O	Emergency telephone verbal communication operates.	Yes ☐	No ☐	N/A ☐
P	Emergency telephone operable or in-use tone at handset operates.	Yes ☐	No ☐	N/A ☐

E2.3 CONTROL UNIT OR TRANSPONDER INSPECTION

(Reference: Clauses 5.1.3, 5.2.4.1) N/A

Control unit or *transponder* location:
Control unit or *transponder* identification:

A	*Input circuit* designations correctly identified in relation to connected *field devices*.	Yes ☐	No ☐	N/A ☐
B	*Output circuit* designations correctly identified in relation to connected *field devices*.	Yes ☐	No ☐	N/A ☐
C	Correct designations for common control functions and indicators.	Yes ☐	No ☐	N/A ☐
D	Plug-in components and modules securely in place.	Yes ☐	No ☐	N/A ☐
E	Plug-in cables securely in place.	Yes ☐	No ☐	N/A ☐
F	Record the date, revision and version of *firmware* and *software program*.	Date:		
		Rev: _____	Ver: _____	
G	Clean and free of dust and dirt.	Yes ☐	No ☐	N/A ☐
H	Fuses in accordance with manufacturer's *specification*.	Yes ☐	No ☐	N/A ☐
I	*Control unit* or *transponder* lock functional.	Yes ☐	No ☐	N/A ☐
J	Termination points from wiring to *field devices* secure.	Yes ☐	No ☐	N/A ☐

E2.4 POWER SUPPLY INSPECTION

(Reference: Clauses 5.1.3, 5.3.1)

Control unit or *transponder* location: Main Entrance
Control unit or *transponder* identification: EST

A	Fused in accordance with the manufacturer's marked rating of the system.	Yes ☑	No ☐	N/A ☐
B	Adequate to meet the requirements of the system.	Yes ☑	No ☐	N/A ☐

E2.5 EMERGENCY POWER SUPPLY TEST AND INSPECTION

(Reference: Clauses 5.1.3, 5.3.2, 5.3.3)

Control unit or *transponder* location:	Main Entrance
Control unit or *transponder* identification:	EST

A	Correct battery type as recommended by manufacturer.	Yes ☑	No ☐	N/A ☐
B	Correct battery rating as determined by battery calculations based on full system load.	Yes ☑	No ☐	N/A ☐
C	Battery voltage with *main power supply* 'ON'.	27.2 V dc		
D	Battery voltage and current with *main power supply* 'OFF' and *fire alarm system* in supervisory condition.	Voltage: 26.5 V dc Current: – A		
E	Battery voltage and current with *main power supply* 'OFF' and *fire alarm system* in full load alarm condition.	Voltage: 25.4 V dc Current: – A		
F	Charging current.	– A		
G	Physical damage.	Yes ☐	No ☑	N/A ☐
H	Terminals cleaned and lubricated.	Yes ☑	No ☐	N/A ☐
I	Terminals clamped tightly.	Yes ☑	No ☐	N/A ☐
J	Correct electrolyte level.	Yes ☑	No ☐	N/A ☐
K	Specific gravity of electrolyte is within manufacturer's *specifications*.	Yes ☑	No ☐	N/A ☐
L	Electrolyte leakage.	Yes ☐	No ☑	N/A ☐
M	Adequate ventilation.	Yes ☑	No ☐	N/A ☐
N	Battery manufacturer's date code or in-service date.	Date: 2011		
O	Disconnection causes *trouble signal*.	Yes ☑	No ☐	N/A ☐
P	Indicate type of battery *tests* performed: (i) Required supervisory load for 24 h followed by the required full load operation; or	Yes ☐	No ☐	
	(ii) A silent *test* by using the load resistor method may be used for the full duration *test* (Refer to Appendix F1, Silent Test); or	Yes ☐	No ☐	
	(iii) Silent accelerated *test*. (Refer to Appendix F2, Silent Accelerated Test);or	Yes ☐	No ☐	
	(iv) A battery capacity meter *test*. (Refer to Appendix F3, Battery Capacity Meter Test); or	Yes ☑	No ☐	
	(v) In lieu of the above battery *tests*, replace the battery with a new set having a current date code, amp-hour capacity and type as recommended by the manufacturer.	Yes ☐	No ☐	
Q	Record calculated battery capacity (Refer to Appendix F4.1-C).	19 A•h		
R	Record battery terminal voltage after completion of *tests*.	25.4 V dc		

E2.5 continued...

Continued E2.5 ...

S	Battery voltage not less than 85% of its rating after the *tests*.	Yes ☑	No ☐	N/A ☐
T	Generator provides power to the AC circuit serving the *fire alarm system*.	Yes ☑	No ☐	N/A ☐
U	Trouble condition at the emergency generator shall result in an audible common *trouble signal* and a visual indication at the required *annunciator*.	Yes ☑	No ☐	N/A ☐

E2.6 ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

(Reference: Clauses 5.1.4, 5.4.1)

Annunciator or remote *trouble signal* unit location: Cell Block at Guard Stone
Annunciator or remote *trouble signal* unit identification: [illegible]

A	Power 'on' indicator operates.	Yes ☑	No ☐	N/A ☐
B	Individual alarm, and supervisory *input zones* are clearly indicated and separately designated.	Yes ☑	No ☐	N/A ☐
C	Individual alarm and supervisory *zone* designation labels are properly identified.	Yes ☑	No ☐	N/A ☐
D	Common *trouble signal* operates.	Yes ☑	No ☐	N/A ☐
E	Visual indicator *test* (lamp *test*) operates.	Yes ☑	No ☐	N/A ☐
F	Input wiring from *control unit* or *transponder* is supervised.	Yes ☑	No ☐	N/A ☐
G	*Alarm signal* silence visual indicator operates.	Yes ☑	No ☐	N/A ☐
H	Switches for ancillary functions operate as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☑
I	Other ancillary function visual indicators operate.	Yes ☐	No ☐	N/A ☑
J	Manual activation of *alarm signal* and indication operates.	Yes ☐	No ☐	N/A ☑
K	Displays are visible in installed location operates.	Yes ☑	No ☐	N/A ☐
L	Operates on emergency power.	Yes ☑	No ☐	N/A ☐

E2.7 ANNUNCIATORS OR SEQUENTIAL DISPLAYS

(Reference: Clauses 5.1.4, 5.4.2) N/A

Annunciator or *sequential display* location:
Annunciator or *sequential display* identification:

A	Power 'on' indicator operates.	Yes ☐	No ☐	N/A ☐
B	Individual alarm and supervisory *zone* indication operates.	Yes ☐	No ☐	N/A ☐ (See exception)
	Exception: Operation of each individual alarm and supervisory *zone* indication gives the identical indication, or lights the identical indicators at the other *annunciator(s)* and *sequential display(s)*.	Yes ☐	No ☐	N/A ☐
	Specify Method of confirmation: _____ _____			
	Minimum of one alarm *zone* and one supervisory *zone* tested per *annunciator* or *sequential display* to confirm operation.	Yes ☐	No ☐	N/A ☐
C	Individual alarm and supervisory *zone* designation labels are properly identified.	Yes ☐	No ☐	N/A ☐
D	Common *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
E	Visual indicator *test* (lamp *test*) operates.	Yes ☐	No ☐	N/A ☐
F	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
G	*Alarm signal* silence visual indicator operates.	Yes ☐	No ☐	N/A ☐
H	Switches for ancillary functions operate as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
I	Other ancillary functions visual indicators operate.	Yes ☐	No ☐	N/A ☐
J	Manual activation of *alarm signal* and indication operates.	Yes ☐	No ☐	N/A ☐
K	Displays are visible in installed location.	Yes ☐	No ☐	N/A ☐

E2.8 REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

(Reference: Clauses 5.1.4, 5.4.3) N/A

Remote *trouble signal* unit location:
Remote *trouble signal* unit identification:

A	Input wiring from *control unit* or *transponder* is supervised.	Yes ☐	No ☐	N/A ☐
B	Visual *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
C	Audible *trouble signal* operates.	Yes ☐	No ☐	N/A ☐
D	Audible *trouble signal* silence operates.	Yes ☐	No ☐	N/A ☐

E2.9 PRINTER TEST N/A

(Reference Clauses 5.1.4, 5.5.1)

Printer location:
Printer identification:

A	Operates as per *design* and *specification*, or documentation as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test Procedures.	Yes ☐	No ☐	N/A ☐
B	*Zone* of each alarm initiating device is correctly printed.	Yes ☐	No ☐	N/A ☐
C	Rated voltage is present.	Yes ☐	No ☐	N/A ☐

E2.10 DATA COMMUNICATION LINK TEST

(Reference: Subsection 5.1.5, 5.6-Note) N/A

Control unit or *transponder* location:
Control unit or *transponder* identification:
Data communication link identification:

A	Confirm that a *trouble signal* is received at the *control unit* or *transponder* under an open loop fault for each *data communication link* (DCL).	Yes ☐	No ☐	N/A ☐
B	Where *fault isolation modules* are installed in *data communication links* serving *field devices*, wiring shall be shorted on the isolated side, *annunciation* of the fault confirmed, and then a *field device* on the source side shall be operated, and activation confirmed at the *control unit* or *transponder*.	Yes ☐	No ☐	N/A ☐
C	Where fault isolation in *data communication links* is provided between *control units* or *transponders* and between *transponders*, introduce a *short circuit fault* and confirm annunciation of the fault and operation outside the shorted section between each pair of:			
	(i) *Control unit* to *control unit*	Yes ☐	No ☐	N/A ☐
	(ii) *Control unit* to *transponder*	Yes ☐	No ☐	N/A ☐
	(iii) *Transponder* to *transponder*	Yes ☐	No ☐	N/A ☐

E2.11 ANCILLARY DEVICE CIRCUIT TEST

(Reference: Clause 5.2.2.1-Z)

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	OPERATION OF ANCILLARY CIRCUIT CONFIRMED		
Fan Shutdown	Yes ☑	No ☐	N/A ☐
	Yes ☐	No ☐	N/A ☐
	Yes ☐	No ☐	N/A ☐

Note: The *tests* reported on this Form do not include the actual operational *test* of *ancillary devices*.

E2.12 REMARKS

(Reference: E2)

(Attach additional sheets if further remarks are required)

E3. FIELD DEVICE RECORD

(Reference: Clause 5.1.6)

E3.1 FIELD DEVICE TESTING — LEGEND AND NOTES

(Reference: Clauses 5.7.4.1.3, 5.7.4.1.4, 5.7.4.1.5, 5.7.4.3.1, 5.7.4.5.1, 5.7.8.1.1, 5.7.8.2.2, 5.7.8.2.4)

DEVICE	DESCRIPTION	TYPE	MODEL NO.
M	*Manual Pull Station*	Edwards	270 SP Single
RHT	*Heat Detector*, Restorable	Edwards	
HT	*Heat Detector*, Non-restorable	Edwards	
S	*Smoke Detector* Sensitivity Test Method or Test Equipment: Model/Method: smoke check Manufacturer Sensitivity Range: Sensitivity Range: _____	Not applicable	Not applicable
RI	Remote Indicator Unit		
DS	Duct *Smoke Detector*		
--	Other Type of Detector		
SFD	*Supporting Field Device* (Monitor)		
FS	Sprinkler Flow Switch		
SS	Sprinkler *Supervisory Device*		
--	Other *Supervisory Devices* (Low Pressure, Low Water, Low Temperature, Power Loss, etc.)		
EM	*Fault Isolation Module*		
B	Bell		
H	Horn	Edwards	
V	*Visible Signal Device*	Edwards	
SP	Cone Type Speaker		
HSP	Horn Type Speaker		
AD	*Ancillary Device*		
ET	Emergency Telephone		
EOL	End-of-Line Resistor		

The following notes apply to Appendix E3.2, Individual Device Record:

NOTE 1: *Smoke detector sensitivity* confirmation or measurement should be recorded in the remarks column.

NOTE 2: *Smoke detector* cleaning or replacement date should also be recorded in the remarks column.

NOTE 3: Status Change, including time delay, should be recorded in the remarks column.

NOTE 4: Duct *smoke detector* pressure differential should be confirmed and recorded in the remarks column.

E3.1 continued...

Continued E3.1 ...

NOTE 5: Time delay setting of water flow switch should be recorded in the remarks column.

NOTE 6: Sprinkler supervisory switches cause trouble condition to be annunciated but not an alarm condition.

NOTE 7: Upper and lower pressure setting of *supervisory devices* should be recorded in the remarks column.

NOTE 8: Low temperature setting should be recorded in the remarks column.

NOTE 9: Identify the specific *ancillary devices* in the remarks column.

NOTE 10: Identify date *field device* changed in the remarks column.

NOTE 11: Identify correct *field device* operation (e.g., alarm, trouble, supervisory, annunciation indication).

NOTE 12: Identify *zone*, circuit number, or address.

NOTE 13: Identify *conventional field device* locations.

NOTE 14: Identify *active field device* and *supporting field device*, *data communication link* (DCL), address and location.

NOTE 15: *Test* and confirm *conventional field device* supervision of wiring.

NOTE 16: Confirm *field device* free of damage.

NOTE 17: Confirm *field device* free of foreign substance (e.g. paint).

NOTE 18: Confirm *field device* mechanically supported independently of the wiring.

NOTE 19: Confirm *field device* protective dust shields or covers removed.

CAUTION: The *tests* reported on this Form do not include the actual operational *test* of *ancillary devices*.

E3.2 INDIVIDUAL DEVICE RECORD

(Reference: Clauses 5.7.1.3, E3.1)

BUILDING NAME: Fort Macleod RCMP PAGE 1 OF 2

DATE: Aug 19/14

Device Legends And Notes Are Listed In Appendix E3.1, Field Device Testing – Legend and Notes

LOCATION	DEVICE	CORRECTLY INSTALLED	REQUIRES SERVICE, REPAIRS, CLEANING OR MISSING	ALARM OPERATION CONFIRMED	ANNUNCIATION INDICATION CONFIRMED	ZONE CIRCUIT NUMBER OR ADDRESS	REMARKS
Office Area	Pull station	✓		✓	✓	1	
~~Temp~~ Sprinkler Valve	Temper	✓		✓	✓	11	
Sprinkler Supply	Temper	✓		✓	✓	9	
Sprinkler Flow	Flow Switch	✓		✓	✓	10	
OFFICE AREA	PS	✓		✓	✓	1	
CELL BLOCK	SD	✓		✓	✓	2	
CELL BLOCK	PS	✓		✓	✓	1	
CELL BLOCK	SD	✓		✓	✓	2	
" "	SD	✓		✓	✓	2	
" "	SD	✓		✓	✓	2	
" "	SD	✓		✓	✓	2	
" "	SD	✓		✓	✓	2	
" "	SD	✓		✓	✓	2	
" "	SD	✓		✓	✓	2	
" "	SD	✓		✓	✓	2	
CELL 141	SD	✓		✓	✓	2	
" Block	SD	✓		✓	✓	2	
~~Security Storage~~	PS	✓		✓	✓	03	
Cell 139	SD	✓		✓	✓	5	
Cell 140	SD	✓		✓	✓	6	
Cell 142	SD	✓		✓	✓	8	
Mech. Rm	P.S.	✓		✓	✓	4	
Duct - Main - 1	D.D	✓		✓	✓	12	
Duct - ~~Main~~ - 1	D.D	✓		✓	✓	13	
Duct - ~~Main~~ - 2	D.D	✓		✓	✓	14	
Duct - ~~Main~~ - 3	D.D	✓		✓	✓	15	
Duct - ~~Main~~ - 4	D.D	✓		✓	✓	16	

E3.2 INDIVIDUAL DEVICE RECORD

(Reference: Clauses 5.7.1.3, E3.1)

BUILDING NAME: Fort Macleod RCMP. PAGE 2 OF 2

DATE: Aug 19, 2014.

Device Legends And Notes Are Listed In Appendix E3.1, Field Device Testing – Legend and Notes

LOCATION	DEVICE	CORRECTLY INSTALLED	REQUIRES SERVICE, REPAIRS, CLEANING OR MISSING	ALARM OPERATION CONFIRMED	ANNUNCIATION INDICATION CONFIRMED	ZONE CIRCUIT NUMBER OR ADDRESS	REMARKS
Mechanical Room	Horn & Strobe	✓		✓			
North Exit.	Horn & Strobe	✓		✓			
Mens Change Room	Horn & Strobe	✓		✓			
Ladies Change Room	Horn & Strobe	✓		✓			
Hall Way.	Horn & Strobe	✓		✓			
Meeting Room	Horn & Strobe	✓		✓			
Front Entrance	Horn & Strobe	✓		✓			
Hallway to Cells.	Horn & Strobe	✓		✓			
Cell Desk	Horn & Strobe	✓		✓			
attached Garage	Horn & Strobe	✓		✓			
Main office	Horn & Strobe	✓		✓			