

Annual fire alarm system inspection report



Project Name : RCMP SPRAGUE DETACHMENT

Reference : 5150875

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Measures relating to components
 Correctly Installed
 Missing
 Requires Service or Repairs
 Operation Confirmed
 Annunciation Indication Confirmed
 Supervision & Ground Fault Confirmed
 Observation / Recommendation / Note

Location	Device	Address								
GENERAL OFFICE ENTRANCE VESTIBULE	FACP	EDWARDS EST1-2Z3			A			A	A	
CRAWLSPACE : ZONE 1										
SOUTH	RHT	5601A	1		A			A	A	
CENTRE	RHT	281C	1		A			A	A	
NORTH	RHT	281C	1		A			A	A	
CRAWLSPACE	EOL	EOL-P1	1		A			A	A	
OFFICE AREA : ZONE 2										
MAIN ENTRANCE	M	270-SPOW	2		A			A	A	
MAIN ENTRANCE	S	6250	2		A			A	A	O1
GENERAL OFFICE AREA	RHT	281C	2		A			A	A	
OFFICE 1	RHT	281C	2		A			A	A	
OFFICE 2	RHT	5601A	2		A			A	A	
LUNCH ROOM	RHT	281C	2		A			A	A	
WASHROOM	RHT	281C	2		A			A	A	
HALL BY WASHROOM	S	6250	2		A			A	A	O1
JANITORS ROOM	RHT	281C	2		A			A	A	
EXHIBIT ROOM	S	6250	2		A			A	A	O1
INNER EXHIBIT ROOM	S	6250	2		A			A	A	O1
FILES / STORAGE ROOM	S	6250	2		A			A	A	O1
BACK OFFICE EXIT	M	270-SPOW	2		A			A	A	
VESTIBULE EXIT BETWEEN RESIDENCE & OFFICE	M	270-SPOW	2		A			A	A	
FURNACE ROOM	RHT	281C	2		A			A	A	
OFFICE AREA	EOL	EOL-P1	2		A			A	A	
FINGERPRINT ROOM : ZONE 3										
FINGERPRINT ROOM	S	6250	3		A			A	A	O1
FOYER	EOL	EOL-P1	3		A			A	A	
RESIDENCE : ZONE 4										
SIDE ENTRANCE	M	270-SPOW	4		A			A	A	
HALLWAY	S	6250	4		A			A	A	
KITCHEN	RHT	281C	4		A			A	A	
STORAGE / PANTRY ROOM	RHT	5601A	4		A			A	A	
STAIRS TO BASEMENT	S	6250	4		A			A	A	
BASEMENT	RHT	281C	4		A			A	A	
BASEMENT	RHT	281C	4		A			A	A	
BASEMENT	RHT	281C	4		A			A	A	
BASEMENT	RHT	281C	4		A			A	A	
BASEMENT	RHT	281C	4		A			A	A	
BASEMENT	EOL	EOL-P1	4		A			A	A	

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Location	Device	Address								
			Measures relating to components Correctly Installed Missing Requires Service or Repairs Operation Confirmed Annunciation Indication Confirmed Supervision & Ground Fault Confirmed Observation / Recommendation / Note							
SMOKE ALARMS :										
RESIDENCE MAIN FLOOR HALL	SA				A			A	A	
RESIDENCE BASEMENT	SA				A			A	A	
SIGNALS : NAC 1										
RESIDENCE MAIN FLOOR	B	439D-10AW C	NAC1		A			A	A	
RESIDENCE BASEMENT	B	439D-10AW C	NAC1		A			A	A	
GENERAL OFFICE	B	439D-10AW C	NAC1		A			A	A	
OFFICE HALL BY STORAGE	B	439D-10AW C	NAC1		A			A	A	
OFFICE	EOL	EOL-P1	NAC1		A			A	A	

The following instruction apply to report above :

- Smoke detector sensitivity (%) confirmation or measurement should be recorded in the Measures relating to components column.
 - Smoke detector cleaning or replacement date should also be recorded in the Measures relating to components column.
 - Status Change, including time delay, should be recorded in the Measures relating to components column.
 - Duct smoke detector pressure differential (inH2O) should be confirmed and recorded in the Measures relating to components column.
 - Time delay setting of water flow switch should be recorded in the Measures relating to components column.
 - Sprinkler supervisory switches cause trouble condition to be annunciated but not an alarm condition.
 - Upper and lower pressure setting of supervisory devices should be recorded in the Measures relating to components column.
 - Low temperature setting should be recorded in the Measures relating to components column.
 - Identify the specific ancillary devices in the Measures relating to components column.
 - Identify date field device changed in the Measures relating to components column.
 - Identify correct field device operation (e.g., alarm, trouble, supervisory, annunciation indication).
 - Identify zone, circuit number, or address.
 - Identify conventional field device locations.
 - Identify active field device and supporting field device, data communication link (DCL), address and location.
 - Test and confirm conventional field device supervision of wiring.
 - Confirm field device free of damage.
 - Confirm field device free of foreign substance.
 - Confirm field device mechanically supported independently of the wiring.
 - Confirm field device protective dust shields or covers removed.
- "Correctly installed" refers to the version of CAN/ULC-S524, Standard for Installation of Fire Alarm Systems, applicable at the time of installation of the device being tested.

The tests reported on this form do not include the actual operational test of ancillary devices.

List of project visits

Visits	Date	# CFAA	Tasks
A	January 21, 2019	M02301V / 13-998	Inspection

C3.1 Field device testing - Legend

(Ref: 6.7.4.1.3-5.6.7.4.3.1.6.7.4.5.1.6.7.8.1.1.6.7.8.2.2.6.7.8.2.4)

Device Type : B (Bell) Total = 4

439D-10AWC Qty : 4

Device Type : EOL (End of line resistor) Total = 5

EOL-P1 Qty : 5

Device Type : M (Manual pull station) Total = 4

270-SPOW Qty : 4

Device Type : RHT (Restorable heat detector) Total = 17

281C Qty : 14

5601A Qty : 3

Device Type : S (Smoke detector) Total = 8

6250 Qty : 8

Smoke detector sensitivity ranges

Model	Type	Sensitivity Range	Tools	Low	High
EC10U-3	Ionization	0.69-1.18%	C-PST	140-180mV	500-560mV
EC30U-3	Optical	1.38-3.08%	C-PST	570-630mV	1450-1550mV
EC30DU-3	Optical	1.38-3.08%	N/A	N/A	N/A
C2M-PD1	Photoelect	1.90-3.8%	Magnet	7 Flashes	4 Flashes
C2M-PDC1	Photoelect	1.90-3.8%	Magnet	7 Flashes	4 Flashes
EDW1151A	Ionization	0,8%	MOD400R	Measure and compare to label	
EWD2151A	Photoelect	1,8%	MOD400R	Measure and compare to label	
EDW1400A	Ionization	1,5%	MOD400R	Measure and compare to label	
EDW1451A	Ionization	1,5%	MOD400R	Measure and compare to label	
EDW2400A	Photoelect	1,4%	MOD400R	Measure and compare to label	
EDW2451A	Photoelect	1,4%	MOD400R	Measure and compare to label	
SD-2W	Photoelect	0.79-2.46%	N/A	Test meter not required	
ESD-4WSJ	Photoelect	0.67-2.46%	N/A	Test meter not required	
ESD-SJ	Photoelect	0.67-2.46%	N/A	Test meter not required	
SIGA-IS	Ionization	0.7-1.6%	On-screen	Test meter not required	
SIGA-IPHS	Multisensor	1.0-3.5%	On-screen	Test meter not required	
SIGA(2)-PS	Photoelect	1.0-3.5%	On-screen	Test meter not required	
SIGA-PHS	Multisensor	1.0-3.4%	On-screen	Test meter not required	
SIGA-SD	Photoelect	0.79-2.46%	On-screen	Test meter not required	
EDW2151A	Ionization	N/A	On-screen	Test meter not required	
EDW2251A	Photoelect	N/A	On-screen	Test meter not required	
EDW2400A	Ionization	N/A	On-screen	Test meter not required	
EDW2451A	Photoelect	N/A	On-screen	Test meter not required	
EDW7251A	Photoelect	N/A	On-screen	Test meter not required	

C3.1 Field device testing - Notes

(Ref: 6.7.4.1.3-5.6.7.4.3.1.6.7.4.5.1.6.7.8.1.1.6.7.8.2.2.6.7.8.2.4)

#Notes	Description	Comment	Page
01	This detector is outdated and the device to be used for verification of its sensitivity don't exist anymore. We recommend replacement by an addressable or conventional detector with integrated verification of the sensitivity.	Observation	1

