APPENDIX C

Fire Alarm Inspection Report

121 pages including cover page

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: 1 – Duty Office / Administration	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
1	ADMIN/DUTY OFFICE								
2									
3	SW by reception	M			✓	✓			
4		GA			✓	✓			
5									
6	1–44/ 1- 54	B			✓				
7		B			✓				
8	1–47 urinalysis	S			✓	✓			Clinic room B
9	1–41	B			✓				
10	1–35	S			✓	✓			Communications room
11	By 1–31	B			✓				
12									
13	1–34 lobby NW	M			✓	✓			
14		GA			✓	✓			
15	By 1–4 corridor	B			✓				
16	By 1–14	B			✓				
17	By 1–11 exit north	M			✓	✓			
18		GA			✓	✓			North
19									
20	Sprinkler 1–35C	FS			✓	✓			35 seconds
21	Wet sprinkler	TS				✓			Non-latching
22		TS				✓			Non-latching
23									
24	1–52	S			✓	✓			Duty office storage room
25	Crawl space hatch	S			✓	✓			D.O.S.D. floor
26	1–51A by 1-46	C			✓				Chime on alarm
27		C			✓				
28									
29	By exit 1-12 east	M			✓	✓			
30		GA			✓	✓			
31									
32	Admin room 1-26	S			✓	✓			
33	Admin room 1-25	S			✓	✓			
34	Admin room 1-22	S			✓	✓			
35	Admin room 1-27	S			✓	✓			
36									
37	Low water pressure	PS							Does not exist
38									

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

	Location	Device	A	B	C	D	E	F	Remarks
41									
42	BUILDING 2 – Activity								
43									
44	By 2–32A SE	M			✓	✓			
45		GA			✓	✓			
46	By 2–5	B			✓				
47	Exit lobby 2–28A SW	M			✓	✓			
48		GA			✓	✓			
49	By 2 – 24	B			✓				
50	By exit 2–12A NW	M			✓	✓			
51		GA			✓	✓			
52	By 2–31	B			✓				
53	By 2–31 NE	M			✓	✓			
54		GA			✓	✓			
55									
56	Sprinkler room 2–11	TS				✓			Non-latching/low water removed
57		TS				✓			Non-latching/low water removed
58		FS			✓	✓			26 seconds
59									
60									
61									
62	Building 21-36 dry	LA				✓			20 psi cut in
63	Dry	TS				✓			
64		PS			✓	✓			
65	Wet 2 - 1st	TS				✓			
66		FS			✓	✓			28 seconds
67	Wet 1 – 2nd	TS				✓			
68		FS			✓	✓			26 seconds
69									
70	Backflow	TS				✓			
71	Backflow	TS				✓			
72									
73	Main riser	TS				✓			
74	Main incoming	TS				✓			
75									
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M	Manual pull station	FS	Sprinkler flow switch	B	Bell
HT	Heat detector, fixed temp	TS	Sprinkler tamper switch	K	Buzzer/suite buzzer
RHT	Heat detector, rate of rise	LA	Low air pressure switch	C	Chime
S	Smoke detector	PS	Alarm pressure switch	V	Visual alarm
DS	Duct smoke detector	SA	Smoke alarm	SP	Loudspeaker
K/V	Horn/strobe	AD	Ancillary device	ET	Fire phone
H	Horn	EOL	End of line resistor	GA	General alarm

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: 3 – Inst. Services Works Department	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
1	3-6 main entrance	M			✓	✓			Commissary
2		GA			✓	✓			
3	3-5A	B			✓				
4		M			✓	✓			Staff dining room
5		GA			✓	✓			Staff dining room
6									
7	3-7	TS				✓			
8	Sprinkler	TS				✓			Non-latching/low water - removed
9		TS				✓			Non-latching/low water - removed
10		FS			✓	✓			33 seconds
11									
12	Electrical room 3-23	S			✓	✓			Inst. services electrical room
13		M			✓	✓			
14		GA			✓	✓			
15									
16	3-35A	M			✓	✓			West meeting room
17		GA			✓	✓			
18		B			✓				
19	3-35	M			✓	✓			South meeting room
20		GA			✓	✓			
21	3-34	M			✓	✓			South office area
22		GA			✓	✓			
23	By 3-19	B			✓				
24	By 3-16	M			✓	✓			East hall
25		GA			✓	✓			
26	3-30	S			✓	✓			Security storage
27		S			✓	✓			
28	3-15A	B			✓				
29		M			✓	✓			Stores main entrance
30	3-15A	GA			✓	✓			
31	By 3-20	B			✓				
32	By 3-11	M			✓	✓			Stores north
33		GA			✓	✓			
34									
35	Stores south	S			✓	✓			
36	Stores north	S			✓	✓			
37	Stores center	S			✓	✓			High
38		TS				✓			

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

	Location	Device	A	B	C	D	E	F	Remarks
41	Generator 16-8	M			✓	✓			
42	Generator 16-8	GA			✓	✓			
43									
44									
45	Core Can 21-LA	M			✓	✓			Textiles building
46	Core Can 21-LA	GA			✓	✓			Textiles building
47	Core Can west	M			✓	✓			Textiles building
48	Core Can	GA			✓	✓			Textiles building
49	Core Can west wall	B			✓				Textiles building
50									
51	Core Can 21-1U	M			✓	✓			2nd floor
52	Core Can 21-1U	GA			✓	✓			2nd floor
53	Core Can 21-2U	B			✓				2nd floor
54	Top of stairs	S			✓	✓			
55									
56									
57									
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M	Manual pull station	FS	Sprinkler flow switch	B	Bell
HT	Heat detector, fixed temp	TS	Sprinkler tamper switch	K	Buzzer/suite buzzer
RHT	Heat detector, rate of rise	LA	Low air pressure switch	C	Chime
S	Smoke detector	PS	Alarm pressure switch	V	Visual alarm
DS	Duct smoke detector	SA	Smoke alarm	SP	Loudspeaker
K/V	Horn/strobe	AD	Ancillary device	ET	Fire phone
H	Horn	EOL	End of line resistor	GA	General alarm

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: 20 – Weight Room	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
1	STAFF GYM/MEDICAL								
2									
3	Gym north exit	M			✓	✓			
4	Gym north exit	GA			✓	✓			
5	Gym west exit	M			✓	✓			
6	Gym west exit	GA			✓	✓			
7									
8	Health north exit	M			✓	✓			
9	Health north exit	GA			✓	✓			
10	Health north exit	RHT			✓	✓			
11									
12	Gym 20-1A	RHT			✓	✓			
13	Room 20A–2	RHT			✓	✓			
14	Hallway	B			✓				
15									
16	Room 20A–8	RHT			✓	✓			
17	Room 20A–3	RHT			✓	✓			
18	Room 20A–4	RHT			✓	✓			
19	Room 20A–6	RHT			✓	✓			1-001
20	Room 20A–5	RHT			✓	✓			1-002
21	By room 20A-5	RHT			✓	✓			
22									
23	East exit	M			✓	✓			1-101/ 1-102
24		GA			✓	✓			
25									
26	Elec/FA room 20A-10	M			✓	✓			
27	Elec/FA room 20A-10	GA			✓	✓			
28	Elec/FA room 20A-10	RHT			✓	✓			
29									
30	Gym	B			✓				
31	By 20A - 1A	RHT			✓	✓			
32									
33									
34									
35									
36									
37									
38									

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

Mission Minimum 20 - Wieght Room -

Devices

	Location	Device	A	B	C	D	E	F	Remarks
41	24 – Multi-Purpose Bldg								
42	By exit 24-7	M			✓	✓			
43	Room 24-7A	RHT			✓	✓			
44	Room 24-6A	RHT							Faulty
45	Room 24-4	RHT							Faulty
46	Hallway	RHT			✓	✓			
47	Room 24-2 washroom	RHT			✓	✓			
48	By exit 24-5	M			✓	✓			
49	By exit 24-5	B			✓				
50	Room 24-1	RHT			✓	✓			Faulty – replaced
51	Mechanical room 24-3	RHT			✓	✓			EOL
52									
53									
54	23 - Chapel								Devices don't go into alarm for 100 seconds
55	By exit 23-6	M							Unable to test RHT's
56		B							Non-compliant – requires repair
57	By exit 23-10A	M			✓	✓			
58	Chapel	RHT							
59	Chapel	RHT							
60	Hallway by 23-1	RHT							
61	Chaplin office 23-1	RHT							
62	Chaplin office 23-2	RHT							
63	Storage 23-9	RHT							
64	Mechanical room 23-3	RHT							
65	Janitor room 23-4	RHT							
66	Hallway by 23-4	RHT							
67	Washroom 23-7	RHT							
68	Washroom 23-8	RHT							
69									
70	Aboriginal Building								
71	38	RHT							On Mission Prison site
72									Note on panel – do not test!
73									
74									
75									
76									
77									
78									
79									
80									
81									
82									
83									
84									
85									
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88									
89									
90									

M	Manual pull station	FS	Sprinkler flow switch	B	Bell
HT	Heat detector, fixed temp	TS	Sprinkler tamper switch	K	Buzzer/suite buzzer
RHT	Heat detector, rate of rise	LA	Low air pressure switch	C	Chime
S	Smoke detector	PS	Alarm pressure switch	V	Visual alarm
DS	Duct smoke detector	SA	Smoke alarm	SP	Loudspeaker
K/V	Horn/strobe	AD	Ancillary device	ET	Fire phone
H	Horn	EOL	End of line resistor	GA	General alarm

Mission Minimum 20 - Wieght Room - Devices

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
1	BUILDING 29A								
2									
3	29A-2	SA			✓				
4	Bedroom 1	SA/V			✓				
5	29A-B	SA/V			✓				
6	29A-16	SA/V			✓				
7	Hallway	SA			✓				
8									
9									
10									
11	BUILDING 29B								
12									
13	29B-4	SA			✓				
14	29B-8	SA			✓				
15	29B-7	SA			✓				
16	29B-6	SA			✓				
17									
18									
19									
20	Generator	S			✓	✓			
21		AD			✓				High fuel
22									
23									
24									
25									
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M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – Bldg. 34	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
1	21–2L	GA			✓	✓			
2	21–1L	B			✓				
3	Building 34 electrical	HT			✓	✓			Black button
4	Garage area	HT			✓	✓			High ceiling black button
5		HT			✓	✓			High ceiling black button
6		HT			✓	✓			High ceiling black button
7	By 34–1	B			✓				
8	By 34–1	M			✓	✓			
9	By 34–1A	M			✓	✓			
10	34–3	S			✓	✓			
11	34–4	HT			✓	✓			Black button
12	34–5	RHT			✓	✓			
13	Room 35–3	HT			✓	✓			Black button
14		M			✓	✓			
15		B			✓				
16	Room 35–2	M			✓	✓			
17		RHT			✓	✓			
18	Room 35–1	M			✓	✓			
19		B			✓				
20		HT			✓	✓			Black button
21	Room 28–1	B			✓				
22		RHT			✓	✓			
23		RHT			✓	✓			
24		RHT			✓	✓			
25	Room 28–8	RHT			✓	✓			Flammables room
26	Room 28–9	RHT			✓	✓			
27	Room 18–1	M			✓	✓			
28		B			✓				
29		RHT			✓	✓			
30	Room 14–1	M			✓	✓			
31		RHT			✓	✓			
32		RHT			✓	✓			
33	Room 10–1A	B			✓				
34	Room 10–2	M			✓	✓			
35									
36									
37									
38									

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

	Location	Device	A	B	C	D	E	F	Remarks
41	10 woodwork center	RHT			✓	✓			
42	10–3	M			✓	✓			
43	28–3A	B			✓				
44		RHT			✓	✓			High ceiling
45	28 – stairs	RHT			✓	✓			
46	28–5	RHT			✓	✓			Paint shop
47	28–4	RHT			✓	✓			
48	28–6	RHT			✓	✓			Requires mounting - high ceiling
49	28-7	RHT							
50									
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M	Manual pull station	FS	Sprinkler flow switch	B	Bell
HT	Heat detector, fixed temp	TS	Sprinkler tamper switch	K	Buzzer/suite buzzer
RHT	Heat detector, rate of rise	LA	Low air pressure switch	C	Chime
S	Smoke detector	PS	Alarm pressure switch	V	Visual alarm
DS	Duct smoke detector	SA	Smoke alarm	SP	Loudspeaker
K/V	Horn/strobe	AD	Ancillary device	ET	Fire phone
H	Horn	EOL	End of line resistor	GA	General alarm

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A1 – RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	A1 - Residences								
	By room 4	M			✓	✓	1		
	Room 4	S			✓	✓	2		
	Room 5	S			✓	✓	2		
	Room 6	S			✓	✓	2		
	Hall by 6	S			✓	✓	2		
	Room 1	S			✓	✓	2		
	Room 3	S			✓	✓	2		
	Room 2	S			✓	✓	2		
	Hall by 1	S			✓	✓	2		
	Mechanical room	TS				✓	4		
		TS				✓	4		
		TS				✓	4		
		FS			✓	✓	3		18 seconds
	Hall by 4	B			✓		A		
	Hall by 1	B			✓		A		
	FA panel	AD			✓				Trouble to main
		AD			✓				Alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A2 - RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM A2								
	Entrance	**M**			✓	✓	**2**		
	Room 10	**S**			✓	✓	**1**		
	Room 11	**S**			✓	✓	**1**		
	Room 12	**S**			✓	✓	**1**		
	Hall by 11	**S**			✓	✓	**1**		
	Hall by 10	**B**			✓		**A**		
	Room 7	**S**			✓	✓	**1**		
	Room 8	**S**			✓	✓	**1**		
	Room 9	**S**			✓	✓	**1**		
	Hall by 7	**B**			✓		**A**		
	Hall by 9	**S**			✓	✓	**1**		
	Mechanical room	**TS**				✓	**4**		
		TS				✓	**4**		
		TS				✓	**4**		
		FS			✓	✓	**3**		**21 seconds**
	Fire panel	**AD**			✓				**Trouble and alarm to main**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A3 – RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM A3								
	Entrance	M			✓	✓	2		
	Room 13	S			✓	✓	1		
	Room 14	S			✓	✓	1		
	Room 15	S			✓	✓	1		
	Hall by 13	B			✓		A		
		S			✓	✓	1		
	Room 16	S			✓	✓	1		
	Room 17	S			✓	✓	1		
	Room 18	S			✓	✓	1		
	Hall by 17	S			✓	✓	1		
		B			✓		A		
	Mechanical room	TS				✓	4		
		TS				✓	4		
		TS				✓	4		
		FS			✓	✓	3		33 seconds
	Fire panel	AD			✓				Trouble and alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A4 – RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM A4								
	Main entrance	M			✓	✓	2		
	Room 22	S			✓	✓	1		1400A
	Room 23	S			✓	✓	1		1400A
	Room 24	S			✓	✓	1		1400A
	Hall by 22	S			✓	✓	1		1400A
		B			✓		A		
	Room 19	S		x	✓	✓	1		LED not working
	Room 20	S			✓	✓	1		1400A
	Room 21	S			✓	✓	1		1400A
	Hall by 19	S			✓	✓	1		1400A
		B			✓		A		
	Mechanical room	FS			✓	✓	3		14 seconds
		TS				✓	4		
		TS				✓	4		
		TS				✓	4		
	Fire panel	AD			✓				Trouble and alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A5 – RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM A5								
	Main entrance	M			✓	✓	2		
	Room 28	S			✓	✓	1		1400A
	Room 29	S			✓	✓	1		1400A
	Room 30	S			✓	✓	1		1400A
	Hallway by 30	S			✓	✓	1		1400A
		B			✓		A		
	Room 25	S			✓	✓	1		1400A
	Room 26	S			✓	✓	1		1400A
	Room 27	S			✓	✓	1		1400A
	Hall by 27	S			✓	✓	1		1400A
		B			✓		A		
	Mechanical room	TS				✓	4		
		TS				✓	4		
		TS				✓	4		
		FS			✓	✓	3		42 seconds
	Fire panel	AD			✓				

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A6 – RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM A6								
	Main entrance	M			✓	✓	2		
	Room 31	S/Strobe			✓	✓	1		
	Room 32	S			✓	✓	1		1400A
	Room 33	S			✓	✓	1		1400A
	Hall by 31	S			✓	✓	1		1400A
		B			✓		A		
	Room 34	S			✓	✓	1		1400A
	Room 35	S			✓	✓	1		1400A
	Room 36	S			✓	✓	1		1400A
	Hall by 34	S			✓	✓	1		1400A
		B			✓		A		
	Exit by 35	M			✓	✓	2		
	Mechanical room	TS				✓	4		
		TS				✓	4		
		TS				✓	4		
		FS			✓	✓	3		22 seconds
	Fire panel	AD			✓				Trouble and alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A7 – RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM A7								
	Main entrance	M			✓	✓	2		
	Room 40	S			✓	✓	1		1400A
	Room 41	S			✓	✓	1		1400A
	Room 42	S			✓	✓	1		1400A
	Hall by 42	S			✓	✓	1		1400A
		B			✓		A		
	Room 37	S			✓	✓	1		1400A
	Room 38	S			✓	✓	1		1400A
	Room 39	S			✓	✓	1		1400A
	Hall by 39	S			✓	✓	1		1400A
		B			✓		A		
	Mechanical room	TS				✓	4		
		TS				✓	4		
		TS				✓	4		
		FS			✓	✓	3		9 seconds
	Fire panel	AD			✓				Trouble and alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A8-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM A8								
	Main entrance	**M**			✓	✓	**2**		
	Room 46	**S**			✓	✓	**1**		**1400A**
	Room 47	**S**			✓	✓	**1**		**1400A**
	Room 48	**S**			✓	✓	**1**		**1400A**
	Hall by 46	**S**			✓	✓	**1**		**1400A**
		B			✓		**A**		
	Room 43	**S**			✓	✓	**1**		**1400A**
	Room 44	**S**			✓	✓	**1**		**1400A**
	Room 45	**S**			✓	✓	**1**		**1400A**
	Hall by 43	**S**			✓	✓	**1**		**1400A**
		B			✓		**A**		
	Mechanical room	**FS**			✓	✓	**3**		**26 seconds**
		TS				✓	**4**		
		TS				✓	**4**		
		TS				✓	**4**		
	Fire panel	**AD**			✓				**Trouble and alarm to main**

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A9-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM A9								
	Mechanical/electrical	S			✓	✓	3		1400A
	Mechanical room	FS			✓	✓	4		25 seconds
		TS				✓	6		
		TS				✓	6		
		TS				✓	6		
	Main entrance	M			✓	✓	2		
	Room 52	S			✓	✓	1		1400A
	Room 53	S			✓	✓	1		1400A
	Room 54	S			✓	✓	1		1400A
	Hall by 54	S			✓	✓	1		1400A
		B			✓		A		
	Room 49	S			✓	✓	1		1400A
	Room 50	S			✓	✓	1		1400A
	Room 51	S			✓	✓	1		1400A
	Hall by 51	S			✓	✓	1		1400A
		B			✓		A		
	Fire panel	AD			✓				Trouble and alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A10-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM – A10								
	A10 mechanical room	**TS**				✓			**Reports to main**
		TS				✓			**Reports to main**
		TS				✓			**Reports to main**
		FS			✓	✓	**1**		**21 seconds**
	Main area	**B**			✓		**A**		
	A10 room 111	**SA**			✓				**Reports to main**
	A10 room 112	**SA**			✓				**Reports to main**
	A10 room 113	**SA**			✓				**Reports to main**
	A10 room 114	**SA**			✓				**Reports to main**
	A10 room 107	**SA**			✓				**Reports to main**
	A10 room 108	**SA**			✓				**Reports to main**
	A10 room 109	**SA**			✓				**Reports to main**
	A10 room 110	**SA**			✓				**Reports to main**
	FA panel	**AD**			✓				**Trouble to main**
		AD			✓				**Alarm to main**

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A11-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM – A11								
	A11 mechanical room	TS				✓			Reports to main
		TS				✓			Reports to main
		TS				✓			Reports to main
		FS			✓	✓	1		23 seconds
	A11 room 115	SA			✓				Reports to main
	A11 room 116	SA			✓				Reports to main
	A11 room 117	SA			✓				Reports to main
	A11 room 118	SA			✓				Reports to main
	A11 room 119	SA			✓				Reports to main
	A11 room 120	SA			✓				Reports to main
	A11 room 121	SA			✓				Reports to main
	A11 room 122	SA			✓				Reports to main
	Main area	B			✓				
	FA panel	AD			✓				Trouble to main
		AD			✓				Alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A12-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM – A12								
	A12 mechanical room	TS				✓			Reports to main
		TS				✓			
		TS				✓			
		FS			✓	✓	1		12 seconds
	Main area	B			✓		A		
	A12 room 55	SA			✓				Reports to main
	A12 room 56	SA			✓				Reports to main
	A12 room 57	SA			✓				Reports to main
	A12 room 58	SA			✓				Reports to main
	Hall by 56	SA			✓				Reports to main
	Hall by 57	SA			✓				Reports to main
	FA panel	AD			✓				Trouble to main
		AD			✓				Alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A13-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORM – A13								
	A13 mechanical room	**TS**				✓			**Reports to main**
		TS				✓			
		TS				✓			
		FS			✓	✓	**1**		**23 seconds**
	Main area	**B**			✓		**A**		
	A13 room 67	**SA**			✓				**Reports to main**
	A13 room 68	**SA**			✓				**Reports to main**
	A13 room 69	**SA**			✓				**Reports to main**
	A13 room 70	**SA**			✓				**Reports to main**
	Hall by 68	**SA**			✓				**Reports to main**
	Hall by 69	**SA**			✓				**Reports to main**
	FA panel	**AD**			✓				**Trouble to main**
		AD			✓				**Alarm to main**
	A11 mechanical room	**TS**				✓			**Reports to main**
		TS				✓			**Reports to main**
		TS				✓			**Reports to main**
		FS			✓	✓	**1**		**23 seconds**

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A14-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A14								
	A14 mechanical room	**TS**				✓	**1**		**Reports to main**
		TS				✓	**1**		
		TS				✓	**1**		
		FS			✓	✓	**A**		**15 seconds**
	Main area	**B**			✓				
	A14 room 59	**SA**			✓				**Reports to main**
	A14 room 60	**SA**			✓				**Reports to main**
	Hall by 60	**SA**			✓				**Reports to main**
	A14 room 61	**SA**			✓				**Reports to main**
	A14 room 62	**SA**			✓				**Reports to main**
	Hall by 61	**SA**			✓				**Reports to main**
	FA panel	**AD**			✓				**Trouble to main**
		AD			✓				**Alarm to main**

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A15-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A15								
	A15 mechanical room	**TS**				✓			**Reports to main**
		TS				✓			
		TS				✓			
		FS			✓	✓	**1**		**18 seconds**
	Main area	**B**			✓		**A**		
	A15 room 71	**SA**			✓				**Reports to main**
	A15 room 72	**SA**			✓				**Reports to main**
	A15 room 73	**SA**			✓				**Reports to main**
	A15 room 74	**SA**			✓				**Reports to main**
	Hall by 72	**SA**			✓				**Reports to main**
	Hall by 74	**SA**			✓				**Reports to main**
	FA panel	**AD**			✓				**Trouble to main**
		AD			✓				**Alarm to main**

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A16-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A16								
	A16 room 128	**SA**			✓				**Reports to main**
	A16 room 127	**SA**			✓				**Reports to main**
	A16 room 129	**SA**			✓				**Reports to main**
	A16 room 130	**SA**			✓				**Reports to main**
	A16 room 123	**SA**			✓				**Reports to main**
	A16 room 124	**SA**			✓				**Reports to main**
	A16 room 125	**SA**			✓				**Reports to main**
	A16 room 126	**SA**			✓				**Reports to main**
	Main area	**B**			✓		**A**		
	A16 mechanical room	**TS**				✓			**Reports to main**
		TS				✓			**Reports to main**
		TS				✓			**Reports to main**
		FS			✓	✓			**24 seconds**
	FA panel	**AD**			✓				**Trouble to main**
		AD			✓				**Alarm to main**

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A17-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A17								
	A17 mechanical room	TS				✓			Reports to main
		TS				✓			Reports to main
		TS				✓			Reports to main
		FS			✓	✓	1		22 seconds
	Main area	B			✓		A		
	A17 room 75	SA			✓				Reports to main
	A17 room 76	SA			✓				Reports to main
	A17 room 77	SA			✓				Reports to main
	A17 room 78	SA			✓				Reports to main
	Hall by 75/76	SA			✓				Reports to main
	Hall by 77/78	SA			✓				Reports to main
	FA panel	AD			✓				Trouble to main
		AD			✓				Alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A18-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A18								
	A18 mechanical room	**TS**				✓			**Incoming – to main**
		TS				✓			**Backflow 1 - to main**
		TS				✓			**Backflow 2 - to main**
		FS			✓	✓	**1**		**14 seconds**
	Main area	**B**			✓		**A**		
	A18 room 135	**SA**			✓				**Reports to main**
	A18 room 136	**SA**			✓				**Reports to main**
	A18 room 137	**SA**			✓				
	A18 room 131	**SA**			✓				**Reports to main**
	A18 room 132	**SA**			✓				**Reports to main**
	A18 room 133	**SA**			✓				**Reports to main**
	A18 room 134	**SA**			✓				**Reports to main**
	A18 room 138	**SA**			✓				**Reports to main**
	FA panel	**AD**			✓				**Trouble to main**
	FA panel	**AD**			✓				**Alarm to main**

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A19-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A19								
	A19 mechanical room	TS				✓			To main
		TS				✓			
		TS				✓			
	A19 mechanical room	FS			✓	✓	1		22 seconds
	Main area	B			✓		A		
	A19 room 82	SA			✓				Reports to main
	A19 room 81	SA			✓				Reports to main
	Hall by 81	SA			✓				Reports to main
	Hall by 79	SA			✓				Reports to main
	A19 room 79	SA			✓				Reports to main
	A19 room 80	SA			✓				Reports to main
	FA panel	AD			✓				Trouble to main
		AD			✓				Alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A20-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A20								
	A 20 - mechanical room	TS				✓			Reports to main
		TS				✓			
		TS				✓			
		FS			✓	✓	A		18 seconds
	A20 room 63	SA			✓				Reports to main
	A20 room 64	SA			✓				Reports to main
	A20 room 65	SA			✓				Reports to main
	A20 room 66	SA			✓				Reports to main
	Hall by 65	SA			✓				Reports to main
	Hall by 64	SA			✓				Reports to main
	Main area	B			✓		A		
	FA panel	AD			✓				Trouble to main
		AD			✓				Alarm to main – breaker SA's

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A21-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A21								
	A21 mechanical room	**TS**				✓			**Main incoming - to main**
		TS				✓			**Backflow 1 - to main**
		TS				✓			**Backflow2 - to main**
		FS			✓	✓	**1**		**23 seconds**
	Main area	**B**			✓		**A**		
	A21 room 83	**SA**			✓				**Reports to main**
	A21 room 84	**SA**			✓				**Reports to main**
	A21 room 85	**SA**			✓				**Reports to main**
	A21 room 86	**SA**			✓				**Reports to main**
	Main area	**SA**			✓				
	A21 room 87	**SA**			✓				**Reports to main**
	A21 room 88	**SA**			✓				**Reports to main**
	A21 room 89	**SA**			✓				**Reports to main**
	A21 room 90	**SA**			✓				**Reports to main**
	FA panel	**AD**			✓				**Trouble to main**
		AD			✓				**Alarm to main – breaker SA's**

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A22-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A22								
	A22 mechanical room	TS				✓			Incoming – reports to main
		TS				✓			Backflow 1 – reports to main
		TS				✓			Backflow 2 – reports to main
		FS			✓	✓	1		31 seconds
	A22 main area	B			✓		A		
		SA			✓				Reports to main
	A22 room 99	SA/V			✓				Reports to main
	A22 room 100	SA			✓				Reports to main
	A22 room 101	SA			✓				Reports to main
	A22 room 102	SA			✓				Reports to main
	A22 room 103	SA			✓				Reports to main
	A22 room 104	SA/V			✓				Reports to main
	A22 room 105	SA			✓				Reports to main
	A22 room 106	SA			✓				Reports to main
	FA panel	AD			✓				Trouble to main
	FA panel	AD			✓				Alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – A23-RES.	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	DORMS – A23								
	A23 mechanical room	TS				✓			Incoming
		TS				✓			Backflow 1
		TS				✓			Backflow 2
		FS			✓	✓	1		25 seconds
	Main area	B			✓		A		
	A23 room 91	SA/V			✓				Reports to main
	A23 room 92	SA			✓				Reports to main
	A23 room 93	SA			✓				Reports to main
	A23 room 94	SA			✓				Reports to main
	A23 room 95	SA			✓				Reports to main
	A23 room 96	SA			✓				Reports to main
	A23 room 97	SA/V			✓				Reports to main
	A23 room 98	SA			✓				Reports to main
	Main area	SA			✓				Reports to main
	FA panel	AD			✓				Trouble to main
		AD			✓				Alarm to main – breaker does SA's

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum – BLDG 4-Recreation	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	BUILDING 4 – Recreation								Inmate gym
	Mechanical room	HT							
	East exit	M			✓	✓	1		
	East games room	RHT			✓	✓	1		
		B			✓		A		
	Storage room 4 – 104	RHT			✓	✓	1		
	South exit	M			✓	✓	1		
		RHT			✓	✓	1		
	Washroom 4-103	RHT			✓	✓	1		
	Janitors room 4 – 106	RHT			✓	✓	1		
	West weight room 4-101	RHT			✓	✓	1		
	West weight room	M			✓	✓	1		
		B			✓		A		
	Fire panel	AD			✓				Trouble and alarm to main

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum – BLDG 27-Psychology	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
	BUILDING 27								Psychology
	Mechanical room	TS				✓	1		
		TS				✓	1		
		TS				✓	1		
		FS			✓	✓	1		30 seconds
		RHT			✓	✓	1		
	North exit	M			✓	✓	1		
	Room 27–10	S			✓	✓	1		
	Hall by 27–3	S			✓	✓	1		
	Room 27–3	S					1		No access
	Room 27–4	S			✓	✓	1		
	Hall by 27-5	B			✓		A		
	Room 27-13	S			✓	✓	1		
	Room 27–9	S					1		No access
	By room 27-14	S			✓	✓	1		
	Room 27-14	S					1		No access
	South exit	M			✓	✓	1		
	Panel trouble	AD			✓				To main
	Panel alarm	AD			✓				To main
									Tamper bypasses alarms

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

ELITE FIRE PROTECTION LTD.

FIRE ALARM SYSTEM REPORT

Date: July 2017	**✓ Annual Inspection**
Building Name: Mission Minimum Institution – LU 24	**Technicians: Matthew Kowalenko FP1093 / Allen Amy FP1093**
Address: 33737 Dewdney Trunk Road	**City: Mission**

A. Correctly installed	**D. Annunciator indication confirmed**
B. Requires service, repairs, missing or cleaning	**E. Zone circuit number or address**
C. Alarm operation confirmed	**F. Smoke sensitivity testing**

"✓" Yes – Acceptable "X" No – Unacceptable "NA" Not applicable

	Location	Device	A	B	C	D	E	F	Remarks
1	Stair 2	S			✓	✓	75		Stair number does not match FSP
2	By 203	M			✓	✓	378		
3		GA			✓	✓	379		
4		S			✓	✓	258		
5	W200	S			✓	✓	265		
6	By W211	S			✓	✓	266		
7	W210	S			✓	✓	278		Wrong readout – very high
8	W211	S			✓	✓	279		Wrong readout
9	W208	S			✓	✓	277		
10	By W207	S			✓	✓	267		
11	W207	S			✓	✓	276		
12	W206	S			✓	✓	275		
13	By W205	S			✓	✓	268		
14	W205	S			✓	✓	274		
15	W204	S			✓	✓	273		
16	W203	S			✓	✓	272		
17	W202	S			✓	✓	271		
18	W201	S			✓	✓	270		
19	By W201	S			✓	✓	269		
20	Elevator lobby	S			✓	✓	256		
21	By W201	M			✓	✓	380		
22		GA			✓	✓	381		
23									
24	Top of stair 1	S			✓	✓	73		
25	By N200	S			✓	✓	259		
26	N225	S			✓	✓	262		
27	N200	S			✓	✓	280		
28	N211	S			✓	✓	295		Wrong readout
29	By N211	S			✓	✓	281		
30	N210	S			✓	✓	294		Wrong readout - high
31	N209	S			✓	✓	293		
32	N208	S			✓	✓	292		
33	By N208	S			✓	✓	282		
34	N207	S			✓	✓	291		
35	By N206	S			✓	✓	283		
36	N206	S			✓	✓	290		
37	N205	S			✓	✓	289		
38	N204	S			✓	✓	288		

M	**Manual pull station**	**FS**	**Sprinkler flow switch**	**B**	**Bell**
HT	**Heat detector, fixed temp**	**TS**	**Sprinkler tamper switch**	**K**	**Buzzer/suite buzzer**
RHT	**Heat detector, rate of rise**	**LA**	**Low air pressure switch**	**C**	**Chime**
S	**Smoke detector**	**PS**	**Alarm pressure switch**	**V**	**Visual alarm**
DS	**Duct smoke detector**	**SA**	**Smoke alarm**	**SP**	**Loudspeaker**
K/V	**Horn/strobe**	**AD**	**Ancillary device**	**ET**	**Fire phone**
H	**Horn**	**EOL**	**End of line resistor**	**GA**	**General alarm**

	Location	Device	A	B	C	D	E	F	Remarks
41	N203	S		X			287		Faulty
42	N202	S			✓	✓	286		
43	By N202	S			✓	✓	284		
44	By N201	S			✓	✓	285		
45									
46	By E200	S			✓	✓	260		
47		M			✓	✓	376		
48		GA			✓	✓	377		
49	Stair 3	S			✓	✓	077		Stair 1 not matching FSP
50	E200	S			✓	✓	296		
51	E211	S			✓	✓	310		Wrong readout
52	By E211	S			✓	✓	297		
53	E210	S			✓	✓	309		Wrong readout
54	E208	S			✓	✓	308		
55	E207	S			✓	✓	307		
56	By E207	S			✓	✓	298		
57	E206	S			✓	✓	306		
58	E205	S			✓	✓	305		
59	By E205	S			✓	✓	299		
60	E204	S			✓	✓	304		
61	E203	S			✓	✓	303		
62	E202	S			✓	✓	302		
63	E201	S			✓	✓	301		
64	By E201	S			✓	✓	300		
65	Stair 3 by 203	S			✓	✓	74		
66	By 103	M			✓	✓	160		
67		GA			✓	✓	161		
68		S			✓	✓	21		
69	W100	S			✓	✓	27		
70	W101	S			✓	✓	32		
71	By W101	S			✓	✓	31		
72	W102	S			✓	✓	33		
73	W103	S			✓	✓	34		
74	W104	S			✓	✓	35		
75	W105	S			✓	✓	36		
76	By W106	S			✓	✓	30		
77	W106	S			✓	✓	37		
78	W107	S			✓	✓	38		
79	By W107	S			✓	✓	29		
80	W108	S		X			39		Faulty
81	W110	S			✓	✓	40		
82	By W111	S			✓	✓	28		
83	W111	S			✓	✓	41		
84									
85	By N101	S			✓	✓	22		
86	N100	S			✓	✓	42		
87	N111	S			✓	✓	57		
88	By N110	S			✓	✓	43		
89	N110	S			✓	✓	56		
90	N109	S			✓	✓	55		

M	Manual pull station	FS	Sprinkler flow switch	B	Bell
HT	Heat detector, fixed temp	TS	Sprinkler tamper switch	K	Buzzer/suite buzzer
RHT	Heat detector, rate of rise	LA	Low air pressure switch	C	Chime
S	Smoke detector	PS	Alarm pressure switch	V	Visual alarm
DS	Duct smoke detector	SA	Smoke alarm	SP	Loudspeaker
K/V	Horn/strobe	AD	Ancillary device	ET	Fire phone
H	Horn	EOL	End of line resistor	GA	General alarm

	Location	Device	A	B	C	D	E	F	Remarks
91	N108	S			✓	✓	54		
92	By N108	S			✓	✓	44		
93	N107	S			✓	✓	53		
94	N106	S			✓	✓	52		
95	By N106	S			✓	✓	45		
96	N105	S			✓	✓	51		
97	N104	S			✓	✓	50		
98	N103	S			✓	✓	49		
99	N102	S			✓	✓	48		
100	By N102	S			✓	✓	46		
101	N101	S			✓	✓	47		
102	125	S			✓	✓	26		
103									
104	By 102	M			✓	✓	164		
105		GA			✓	✓	165		
106		S			✓	✓	23		Wrong stair listing
107		M			✓	✓	162		
108		GA			✓	✓	163		
109									
110	Stair 2	S			✓	✓	76		Wrong stair listing
111	107 - vestibule	S			✓	✓	24		
112									
113	E100	S			✓	✓	58		
114	E111	S			✓	✓	72		
115	By E110	S			✓	✓	59		
116	E110	S			✓	✓	71		
117	E108	S			✓	✓	70		
118	E107	S			✓	✓	69		
119	By E107	S			✓	✓	60		
120	E106	S			✓	✓	68		
121	E105	S			✓	✓	67		
122	By E105	S			✓	✓	61		
123	E104	S			✓	✓	66		
124	E103	S			✓	✓	65		
125	E102	S			✓	✓	64		
126	E101	S			✓	✓	63		
127	By E101	S			✓	✓	62		
128									
129	Main entrance	M			✓	✓	156		
130		GA			✓	✓	157		
131	Elevator lobby	S			✓	✓	19		
132		M			✓	✓	158		By stair 1
133	By stair 1	GA			✓	✓	159		
134	Basement door 015	M			✓	✓	126		
135		GA			✓	✓	127		
136									
137	016	S			✓	✓	13		
138	Elevator lobby	S			✓	✓	14		
139	011	S			✓	✓	11		
140	010								No device

M	Manual pull station	FS	Sprinkler flow switch	B	Bell
HT	Heat detector, fixed temp	TS	Sprinkler tamper switch	K	Buzzer/suite buzzer
RHT	Heat detector, rate of rise	LA	Low air pressure switch	C	Chime
S	Smoke detector	PS	Alarm pressure switch	V	Visual alarm
DS	Duct smoke detector	SA	Smoke alarm	SP	Loudspeaker
K/V	Horn/strobe	AD	Ancillary device	ET	Fire phone
H	Horn	EOL	End of line resistor	GA	General alarm

	Location	Device	A	B	C	D	E	F	Remarks
141	009	S			✓	✓	15		
142	By stair 3	M			✓	✓	128		Wrong readout
143		GA			✓	✓	129		Wrong readout
144	003	M			✓	✓	179		
145		GA			✓	✓	180		
146	001	M			✓	✓	183		
147		GA			✓	✓	184		
148	By stair 2	M			✓	✓	130		Wrong readout
149		GA			✓	✓	131		Wrong readout
150	002	M			✓	✓	181		
151		GA			✓	✓	182		
152	006	S			✓	✓	12		Sounder base
153									
154	Rooftop	DS			✓	✓	264		2nd floor Admin. tile mark
155									
156	Janitor closet 223	S			✓	✓	255		
157	Storage 218	S			✓	✓	254		
158	Janitor's closet 226	S			✓	✓			
159									
160	Water curtain	TS				✓	141		
161		FS			✓	✓	140		16 seconds
162	2nd floor	TS				✓	139		
163		FS			✓	✓	138		26 seconds
164	Ground floor	TS				✓	137		
165		FS			✓	✓	136		20 seconds
166	Basement	TS				✓	135		
167		FS			✓	✓	134		15 seconds
168	Main	TS				✓	149		
169									
170	Sprinkler room	M			✓	✓	132		
171		GA			✓	✓	133		
172		S			✓	✓	17		
173									
174	Backflow 1	TS				✓	145		
175	Backflow 2	TS				✓	146		
176									
177	2nd floor								
178	W unit kitchen	TS				✓	383		
179		FS							Non-testable
180	E unit kitchen	TS				✓	387		
181		FS			✓	✓	386		30 seconds
182	N unit kitchen	TS				✓	385		
183		FS			✓	✓	384		40 seconds
184									
185									
186									
187									
188									
189									
190									

M	Manual pull station	FS	Sprinkler flow switch	B	Bell
HT	Heat detector, fixed temp	TS	Sprinkler tamper switch	K	Buzzer/suite buzzer
RHT	Heat detector, rate of rise	LA	Low air pressure switch	C	Chime
S	Smoke detector	PS	Alarm pressure switch	V	Visual alarm
DS	Duct smoke detector	SA	Smoke alarm	SP	Loudspeaker
K/V	Horn/strobe	AD	Ancillary device	ET	Fire phone
H	Horn	EOL	End of line resistor	GA	General alarm

	Location	Device	A	B	C	D	E	F	Remarks
191	1st floor								
192	W unit kitchen	TS				✓	167		
193		FS			✓	✓	166		30 seconds
194	E unit kitchen	TS				✓	171		
195		FS			✓	✓	170		25 seconds
196	N unit kitchen	TS				✓	169		
197		FS			✓	✓	168		25 seconds
198									
199	Dry sprinkler	TS				✓	143		
200		PS			✓	✓	142		
201		LA				✓	144		29 psi
202									
203	Isolation	TS				✓	147		
204									
205									
206									
207									
208									
209									
210									
211	By 224A	K/V			✓				
212	By 213	K/V			✓				
213	W200	K/V			✓				
214	W207	K/V			✓				
215	Hall by 224B	K/V			✓				
216	N208	K/V			✓				
217	N200	K/V			✓				
218	E200	K/V			✓				
219	E207	K/V			✓				
220	E100	K/V			✓				
221	E107	K/V			✓				
222	Hall by 101	K/V			✓				
223	N100	K/V			✓				
224	N107	K/V			✓				
225	W100	K/V			✓				
226	W107	K/V			✓				
227	By 101	K/V			✓				
228	117	K/V			✓				
229	By 016	K/V			✓				
230	003	K/V			✓				
231	001	K/V			✓				
232	002	K/V			✓				
233	006	K/V			✓				
234	018	K/V			✓				
235	Sprinkler room	K/V			✓				
236									
237									
238									
239									
240									

M	Manual pull station	FS	Sprinkler flow switch	B	Bell
HT	Heat detector, fixed temp	TS	Sprinkler tamper switch	K	Buzzer/suite buzzer
RHT	Heat detector, rate of rise	LA	Low air pressure switch	C	Chime
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DS	Duct smoke detector	SA	Smoke alarm	SP	Loudspeaker
K/V	Horn/strobe	AD	Ancillary device	ET	Fire phone
H	Horn	EOL	End of line resistor	GA	General alarm

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☒ **yes** ☐ **no**
	Manufacturer: **Mircom**		**Model #** **1025T**
Building Name: **Mission Minimum – A-1**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A1**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___26.8____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __26.2_____DC Current ___0.16_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.1_____Vdc Current __0.54_____A
- ✓ Charging current is ___0.14_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___7.2_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A1**

"√"Yes - Tested correctly "X" 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

Na Power on indicator operates?
Na Individual alarm, supervisory zone indication operates.
Na (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_____
_____
Na Minimum of 1 alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation.
Na Individual alarm and supervisory zone labels identified.
Na Common trouble signal operates?
Na Visual indicator test (lamp test) operates?
Na Input wiring form control unit/transponder supervised
Na Alarm signal silence visual indicator operates?
na Switches for ancillary function operate as per design?
Na Other ancillary functions visual indicators operate?
Na Manual activation of alarm signal and indication operate?
Na 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?
Na 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

Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Mircom**		**Model #** **1025T**
Building Name: **Mission Minimum – A-2**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A2**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___26.8____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __26.2_____DC Current ___0.04_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.6_____Vdc Current __0.30_____A
- ✓ Charging current is ___0.22_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2013_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___7.2_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A2**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Mircom**		**Model #** **1025T**
Building Name: **Mission Minimum – A-3**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A3**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___26.4____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __25.7_____DC Current ___0.04_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.6_____Vdc Current __0.30_____A
- ✓ Charging current is ___0.22_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___4.5_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A3**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Mircom**		**Model #**
Building Name: **Mission Minimum – A-4**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A4**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___26.3____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __26.0_____DC Current ___0.18_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.6_____Vdc Current __0.62_____A
- ✓ Charging current is ___0.03_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2013_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___7.2_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A4**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwards**		**Model #** **Fireshield**
Building Name: **Mission Minimum – A-5**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A5**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___27.4____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __27.1_____DC Current ___0.23_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___26.8_____Vdc Current __0.31_____A
- ✓ Charging current is ___0.04_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___4.5_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A5**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Mircom**		**Model #** **F/A265**
Building Name: **Mission Minimum – A-6**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A6**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___26.6____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __26.3_____DC Current ___0.22_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___26.0_____Vdc Current __0.85_____A
- ✓ Charging current is ___0.19_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2014_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___7.2_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A6**

"√" Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Mircom**		**Model #** **1025T**
Building Name: **Mission Minimum – A-7**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A7**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___26.7____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __26.1_____DC Current ___0.17_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___26.1_____Vdc Current __0.52_____A
- ✓ Charging current is ___0.19_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___7.2_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A7**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Mircom**		**Model #** **1025T**
Building Name: **Mission Minimum – A-8**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A8**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___26.5____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __26.1_____DC Current ___0.16_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.9_____Vdc Current __0.28_____A
- ✓ Charging current is ___0.05_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___7.2_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A8**

"√" Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** July 2017	**Time:** 7:00am
	Annual Inspection ☒	**Last Service Date:** July 2016
	Single Stage ☒ / **Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: Mircom	**Model #** FA-300
Building Name: Mission Minimum – A-9	**Contact Person:** Scott Verwold	**Phone:** 604-820-5758
Address: 33737 Dewdney Trunk Road	**Owner:** Corrections Canada	**Phone:** 604-820-5758
City: Mission **Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A9**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___27.5____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __27.3_____DC Current ___0.24_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___26.9_____Vdc Current __0.59_____A
- ✓ Charging current is ___0.15_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___7.2_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A9**

"√" Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** July 2017	**Time:** 7:00am
	Annual Inspection ☒	**Last Service Date:** July 2016
	Single Stage ☒ / **Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: Edwasrds	**Model #** EST-1
Building Name: Mission Minimum – A-10	**Contact Person:** Scott Verwold	**Phone:** 604-820-5758
Address: 33737 Dewdney Trunk Road	**Owner:** Corrections Canada	**Phone:** 604-820-5758
City: Mission **Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A10**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.1____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __25.0_____DC Current ___0.12_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___24.6_____Vdc Current __0.31_____A
- ✓ Charging current is ___0.38_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2013_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___4.5_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A10**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** July 2017	**Time:** 7:00am
	Annual Inspection ☒	**Last Service Date:** July 2016
	Single Stage ☒ / **Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: Edwasrds	**Model #** EST-1
Building Name: Mission Minimum – A-11	**Contact Person:** Scott Verwold	**Phone:** 604-820-5758
Address: 33737 Dewdney Trunk Road	**Owner:** Corrections Canada	**Phone:** 604-820-5758
City: Mission **Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A11**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.3____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __25.1_____DC Current ___0.10_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___25.0_____Vdc Current __0.26_____A
- ✓ Charging current is ___0.21_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___4.5_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A11**

"√" Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-12**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A12**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.8____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __25.4_____DC Current ___0.11_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.1_____Vdc Current __0.31_____A
- ✓ Charging current is ___0.22_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___4.5_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A12**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-13**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A13**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.9____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __25.3_____DC Current ___0.11_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___25.1_____Vdc Current __0.31_____A
- ✓ Charging current is ___0.22_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___4.5_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A13**

"√" Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-14**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A14**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.8____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __25.6_____DC Current ___0.11_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___25.0_____Vdc Current __0.43_____A
- ✓ Charging current is ___0.13_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___4.5_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A14**

"√" Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-15**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A15**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.8____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __25.7_____DC Current ___0.21_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.5_____Vdc Current __0.53_____A
- ✓ Charging current is ___0.12_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___4.5_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A15**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-16**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A16**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.4____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __25.3_____DC Current ___0.24_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___25.1_____Vdc Current __0.34_____A
- ✓ Charging current is ___0.07_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4___5.2_____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A16**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-17**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A17**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.9____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __25.7_____DC Current ___0.09_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___24.9_____Vdc Current __0.24_____A
- ✓ Charging current is ___0.10_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__4.5____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A17**

"√" Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-18**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A18**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.5____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __25.3_____DC Current ___0.22_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___25.1_____Vdc Current __0.04_____A
- ✓ Charging current is ___0.09_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__5____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A18**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-19**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A19**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.9____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __25.8_____DC Current ___0.25_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.4_____Vdc Current __0.33_____A
- ✓ Charging current is ___0.09_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__4.5____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A19**

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

2.5 Emergency Power Supply Test and Inspection

✓ 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-20**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A20**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.4____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __25.2_____DC Current ___0.23_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.1_____Vdc Current __0.41_____A
- ✓ Charging current is ___0.08_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__4.5____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A20**

"√"Yes - Tested correctly "X" 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwasrds**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-21**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A21**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.4____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __25.3_____DC Current ___0.18_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___25.2_____Vdc Current __0.19_____A
- ✓ Charging current is ___0.09_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__4.5____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A21**

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

2.5 Emergency Power Supply Test and Inspection

✓ 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Mircom**		**Model #** **FA101T**
Building Name: **Mission Minimum – A-22**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A22**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___26.2____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage __26.1_____DC Current ___0.12_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage___25.7_____Vdc Current __0.35_____A
- ✓ Charging current is ___0.24_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__4.5____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A22**

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

2.5 Emergency Power Supply Test and Inspection

✓ 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwards**		**Model #** **EST-1**
Building Name: **Mission Minimum – A-23**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A23**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? ___25.4____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage __25.3_____DC Current ___0.21_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage___25.1_____Vdc Current __0.35_____A
- ✓ Charging current is ___0.10_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__4.5____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – A23**

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

2.5 Emergency Power Supply Test and Inspection

✓ 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

✓ Power on indicator operates?

✓ Individual alarm, supervisory zone indication operates.

Na (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_____

_____

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

✓ Individual alarm and supervisory zone labels identified.

✓ Common trouble signal operates?

Na Visual indicator test (lamp test) operates?

✓ Input wiring form control unit/transponder supervised

✓ Alarm signal silence visual indicator operates?

na Switches for ancillary function operate as per design?

Na Other ancillary functions visual indicators operate?

Na Manual activation of alarm signal and indication operate?

✓ 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?

Na 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

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** July 2017	**Time:** 7:00am
	Annual Inspection ☒	**Last Service Date:** July 2016
	Single Stage ☒ / **Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: Edwards	**Model #** IRC
Building Name: Mission Minimum – Bldg 27	**Contact Person:** Scott Verwold	**Phone:** 604-820-5758
Address: 33737 Dewdney Trunk Road	**Owner:** Corrections Canada	**Phone:** 604-820-5758
City: Mission **Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – Bldg 27**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? _26.23___ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage _25.9_____DC Current ___0.39_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage__24.9_____Vdc Current _1.29_____A
- ✓ Charging current is __0.99_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__26____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – Bldg 27**

"√"Yes - Tested correctly "X" 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

Na Power on indicator operates?
Na Individual alarm, supervisory zone indication operates.
Na (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_____
_____
Na Minimum of 1 alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation.
Na Individual alarm and supervisory zone labels identified.
Na Common trouble signal operates?
Na Visual indicator test (lamp test) operates?
Na Input wiring form control unit/transponder supervised
Na Alarm signal silence visual indicator operates?
na Switches for ancillary function operate as per design?
Na Other ancillary functions visual indicators operate?
Na Manual activation of alarm signal and indication operate?
Na 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?
Na 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

Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwards**		**Model #** **IRC**
Building Name: **Mission Minimum – Duty Office**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum –Duty Office**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? _26.73/26.45____ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage _26.0/25.9_____DC Current ___0.31/0.33_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage__25.4/25.3_____Vdc Current __0.33/2.69_____A
- ✓ Charging current is __1.80/0.93_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__18 / 26____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – Duty Office**

"√"Yes - Tested correctly "X" 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

Na Power on indicator operates?
Na Individual alarm, supervisory zone indication operates.
Na (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_____
_____
Na Minimum of 1 alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation.
Na Individual alarm and supervisory zone labels identified.
Na Common trouble signal operates?
Na Visual indicator test (lamp test) operates?
Na Input wiring form control unit/transponder supervised
Na Alarm signal silence visual indicator operates?
na Switches for ancillary function operate as per design?
Na Other ancillary functions visual indicators operate?
Na Manual activation of alarm signal and indication operate?
Na 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?
Na 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

Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwards**		**Model #** **EST**
Building Name: **Mission Minimum – Gym**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – Gym**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? _269___ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition?
  Voltage _25.34_____DC Current ___0.04_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition?
  voltage__25.1_____Vdc Current _0.22_____A
- ✓ Charging current is __0.37_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2017_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__4.5____A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – Gym**

"√"Yes - Tested correctly "X" 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

Na Power on indicator operates?
Na Individual alarm, supervisory zone indication operates.
Na (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_____
_____
Na Minimum of 1 alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation.
Na Individual alarm and supervisory zone labels identified.
Na Common trouble signal operates?
Na Visual indicator test (lamp test) operates?
Na Input wiring form control unit/transponder supervised
Na Alarm signal silence visual indicator operates?
na Switches for ancillary function operate as per design?
Na Other ancillary functions visual indicators operate?
Na Manual activation of alarm signal and indication operate?
Na 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?
Na 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

Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed

Additional Comments:

Inspection and Testing of Fire Alarm Systems

ELITE FIRE PROTECTION LTD Unit 1 – 33605 Maclure Road, Abbotsford, BC, V2S-7W2 Office – 1-877-850-0014	**Date of Service:** **July 2017**	**Time:** **7:00am**	
	Annual Inspection ☒		**Last Service Date:** **July 2016**
	Single Stage ☒	**Two Stage** ☐	**Direct Connection** ☐ yes ☐ no
	Manufacturer: **Edwards**		**Model #** **EST-3**
Building Name: **Mission Minimum – LU24**	**Contact Person:** **Scott Verwold**		**Phone:** **604-820-5758**
Address: **33737 Dewdney Trunk Road**	**Owner:** **Corrections Canada**		**Phone:** **604-820-5758**
City: **Mission**	**Postal Code:**	**Fire Signal Receiving Centre:**	**Phone:** **Acct:**

"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?
☒	Reconnect ancillary functions?
NA	Reconnect ancillary functions (off site connections)?
☒	Reconnect signal power?
☒	Advise fire department the testing is completed?
☒	Ensure that the alarm system is functional?

Comments

SEE DEFICIENCY REPORT

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.

Allen Amy – FP0669 Matthew Kowalenko – FP1093	July 2017	7:00am	
Technician Stamp	Date	Time	Owner or Authorized Agent

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – LU24**

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

2.1 Control Unit or Transponder Tests

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

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

2.6 Annunciator & Remote Trouble Test & Inspection

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

2.4 Power Supply Inspection

- ✓ Fused with mfgs marked rating of the system?
- ✓ 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

- ✓ Correct battery type as recommend by manufacturer?
- ✓ Correct rating as determined by battery calculations based on full system load?
- ✓ Battery voltage main power on? _26.8___ Vdc?
- ✓ Battery voltage and current with main power supply "off" and fire alarm in supervisory condition? Voltage _25.0_____DC Current ___0.58_____A
- ✓ Battery voltage and current with main power supply "off" and fire alarm in full load alarm condition? voltage__25.2_____Vdc Current _0.64_____A
- ✓ Charging current is __2.71_____A
- ✓ Inspected for physical damage?
- ✓ Terminal cleaned and lubricated?
- ✓ Terminals clamped tightly?
- Na Correct Electrolyte level?
- Na Specific gravity within mfg specifications?
- Na Electrolyte leaks?
- ✓ Adequately ventilated?
- ✓ Battery mfg's date code or in-service date: __2016_____
- ✓ Disconnection causes trouble signal?
- Na Indicate type of Battery Test Performed?
- Na (1) supervisory load for 24h followed by full load operation.
- Na (2) silent test by using load resister method -App F1
- Na (3) Silent accelerated test – App F2
- Na (4) A battery capacity meter test App F3
- Na (5) In lieu of battery tests, replace with new set having current date code, as per mfg
- ✓ Record calculated battery capacity App F4__7.2___A h
- ✓ Record battery terminal voltage after tests _____V dc
- ✓ Battery voltage not less than 85% of its rating after tests.
- ✓ Generator provides power to the AC circuit for FA syst.

Inspection and Testing of Fire Alarm Systems

Date: July 2017 **Building Name: Mission Minimum – LU-24**

"√"Yes - Tested correctly "X" 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

Na Power on indicator operates?
Na Individual alarm, supervisory zone indication operates.
Na (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_____
_____
Na Minimum of 1 alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation.
Na Individual alarm and supervisory zone labels identified.
Na Common trouble signal operates?
Na Visual indicator test (lamp test) operates?
Na Input wiring form control unit/transponder supervised
Na Alarm signal silence visual indicator operates?
na Switches for ancillary function operate as per design?
Na Other ancillary functions visual indicators operate?
Na Manual activation of alarm signal and indication operate?
Na 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?
Na 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

Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed
Na Circuit – confirmed

Additional Comments: