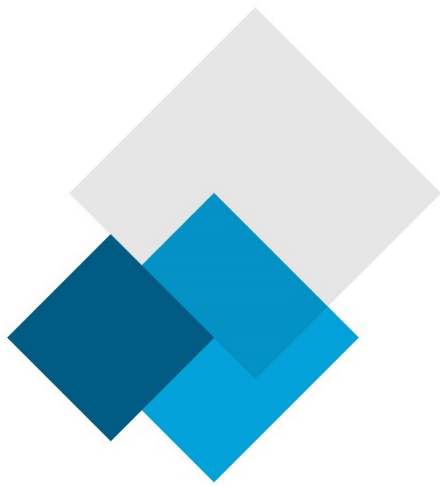




Daycare Expansion She She Guin – Nemaska / Agrandissement du CPE She She Guin - Nemaska

Cree Nation of Nemaska

Addendum 1 – Mechanical and Electricity

Addenda no 1 – Mécanique et Électricité

N/Réf. 663566-0000-40BN-0001_0

October 23, 2019

Le 23 octobre 2019

Prepared by / Préparé par :

Hélène Gagné, ing.
Electricity / Électricité

Jonathan Faucher, ing.
Mechanical / Mécanique

This addendum is part of the original plans and specifications and must be acknowledged as an integral part of the contract documents. Bidders will ensure that the cost of the work performed by this addendum is included in the bid amount.

Le présent addenda fait partie des plans et devis originaux et devra être reconnu comme faisant partie intégrante des documents contractuels. Les soumissionnaires s'assureront que le coût des travaux effectués par cet addenda est inclus dans le montant de la soumission.

1. Electricity / Électricité

1.1 With reference to plan / En référence au plan 663566-0000-47DD-0101

1. The existing fire alarm panel is discontinued and obsolete. The existing panel is a Mircom model FA-1025T. It is located in the main entrance of the building. Provide dismantling. / *Le panneau d'alarme incendie existant n'est plus sur le marché et est désuet. Le panneau existant est de modèle FA-1025T de Mircom. Il est situé dans l'entrée principale du bâtiment. Prévoir son démantèlement.*
2. Provide the supply, installation, and connection of a new Chubb Edwards iO64 addressable fire alarm panel or equivalent in the same location as the existing one. 120V power supply circuit to keep. Replace existing conventional detection devices with new addressable detectors. Existing signaling devices (bell) may be retained. Plan to keep the existing wiring. Divert the existing areas into the new panel and connect them directly into the fire alarm panel. Incorporate the new devices installed in the expansion to existing areas of the sector, as already provided in the plan. / *Prévoir la fourniture, l'installation et le raccordement d'un nouveau panneau d'alarme incendie adressable modèle iO64 de Chubb Edwards ou équivalent au même endroit que l'existant. Circuit d'alimentation à 120V à conserver. Remplacer les dispositifs de détection conventionnels existants par de nouveaux dispositifs de détection adressables. Les dispositifs de signalisation existants (cloche) peuvent être conservés. Prévoir de conserver le filage existant. Dévier les zones existantes dans le nouveau panneau et les relier directement dans le panneau d'alarme incendie. Incorporer les nouveaux dispositifs installés dans l'agrandissement aux zones existantes du secteur, tel que déjà prévu au plan.*
3. The Contractor must perform this work outside of the hours of operation and ensure the proper functioning of the existing system throughout the work. / *L'entrepreneur doit réaliser ces travaux en dehors des heures d'opération et s'assurer du bon fonctionnement du système existant tout au long des travaux.*
4. It's the responsibility of the electrical subcontractor to provide all the necessary interface relays, whether or not indicated on the drawings, in order to obtain an operational system. See the latest fire alarm inspection report in annex. / *Il est de la responsabilité du sous-traitant en électricité de fournir tous les relais d'interface nécessaires bien qu'indiqués ou non aux plans, afin d'obtenir un système opérationnel. Voir le dernier rapport d'inspection d'alarme incendie en annexe.*
5. Comply with section 10 of the general specifications - fire alarm already on the plan. / *Se conformer à la section de devis 10 – Alarme incendie déjà au plan.*



6. Quantity of existing devices to replace (from last fire alarm inspection report) / *Quantité de dispositifs existants à remplacer (extrait du dernier rapport d'inspection d'alarme incendie) :*

E3.1 Field device testing - Legend

(Ref: 5.7.4.1.3-5.7.4.3.1,5.7.4.5.1,5.7.8.1.1,5.7.8.2.2,5.7.8.2.4)

Device Type : AD (Auxiliary device) Total = 2

6554 N/O Qty : 1 N/C Qty : 1

Device Type : B (Bell) Total = 4

BL-GA Qty : 4

Device Type : DS (Duct smoke detector) Total = 1

SD-2W Qty : 1

Device Type : HT (Non-restorable heat detector) Total = 1

283C Qty : 1

Device Type : M (Manual pull station) Total = 5

MS-401 Qty : 5

Device Type : RHT (Restorable heat detector) Total = 8

281B-PL Qty : 1 281C Qty : 2 282B-PL Qty : 1 CR-135 Qty : 4

Device Type : S (Smoke detector) Total = 11

6249C Qty : 5 C2M-PD1 Qty : 1 MIR-525 Qty : 5

7. Specifications of new addressable devices / *Spécifications des nouveaux dispositifs adressables :*

DESCRIPTION	MANUFACTURER / FABRICANT	MODEL / MODÈLE
Fire alarm station/ Poste manuel	Chubb Edwards	SIGC-270B
Fire alarm bell / Cloche d'alarme incendie	Chubb Edwards	439D-6AWC
Smoke detector / Détecteur de fumée	Chubb Edwards	SIGA-PD
Heat detector / Détecteur de chaleur	Chubb Edwards	SIGA-HRD
Isolator module / Module isolateur	Chubb Edwards	SIGA-IM
Duck smoke detector / Détecteur de fumée de gaine	Chubb Edwards	SIGA-SD
Auxiliary device / Relais adressable	Chubb Edwards	SIGA-CR

1.2 With reference to plan / *En référence au plan 663566-0000-47DD-0104*

1. The LP-D panelboard is existing to be conserved and not to be replaced. / *Le panneau LP-D est existant à conserver et non à remplacer.*
2. The description of the replaced panelboards LP-A, LP-B and LP-C are given on plan 663566-0000-47DD-0105 (notes 4,5 and 6.) / *Les descriptions des panneaux LP-A, LP-B et LP-C remplacés sont données sur le plan 663566-0000-47DD-0105 (notes 4, 5 et 6).*

1.3 With reference to plan / *En référence au plan 663566-0000-47DD-0105*

1. In room 102, change the EAD symbol next to the switch to EAR. / *Dans le local 102, modifier l'inscription EAD à côté de l'interrupteur par EAR.*

1.4 With reference to plan / *En référence au plan 663566-0000-47DD-0106*

1. On the plan view taken from room 012, the note for Ø35mm EMT free duct c/w pull cord had to be for the duct between LP-F panel and the future generator. / *Sur la vue en plan extrait du local 012, la note pour le conduit Ø35mm libre c/a corde de tirage devait être pour le conduit entre le panneau LP-F et la génératrice future.*
2. Provide that the wiring to be extended for the condenser CO1 is 3 # 10 RW90 c.Ø21mm EMT and that the evaporator EVAP1 is fed via the condenser using 2 # 12 RW90 c.Ø16mm EMT. To be confirmed at the site. / *Prévoir que le filage à prolonger pour le condenseur CO1 est de calibre 3#10 RW90 c.Ø21mm EMT et que l'évaporateur EVAP1 est alimenté via le condenseur à l'aide de 2#12 RW90 c.Ø16mm EMT. À confirmer au chantier.*

1.5 With reference to plan / *En référence au plan 663566-0000-47DD-0107*

1. On the plan view of the ground floor – Expansion, the typical note related to the smoke detector is note 3 and not note 1. / *Sur la vue en plan du Rez-de-chaussée – Agrandissement, la note typique reliée au détecteur de fumée est la note 3 et non la note 1.*
2. On the room 102, add the ER symbol beside the switch. / *Dans le local 102, ajouter l'inscription ER à côté de l'interrupteur.*



2. Mechanical / Mécanique

2.1 Ventilaiton / *Ventilation*

1. No information concerning the existing ventilation system in the building are available. The contractor shall make a survey of the existing installations prior to the construction work. / *Les informations concernant les installations de ventilation existantes dans le bâtiment ne sont pas disponibles. L'entrepreneur devra prévoir un relevé des installations existantes avant le début des travaux.*



APPENDIX A / ANNEXE A

FIRE ALARM SYSTEM REPORT / *RAPPORT DU SYSTÈME D'ALARME INCENDIE*





21-906-6567

Inspection Certificate

This is to certify the system referred to below was inspected in accordance with the Provincial Fire Code and the requirements of the authority having jurisdiction and was found to be in proper working order when the inspection was completed.

THIS CERTIFIES that the following equipment:

Fire alarm system

Installed at:

SHE SHE GUIN KANNOWASSHEUKIMIT CHILDCARE

Nemaska, QC

Was checked and inspected, and is serviced by a trained technician.

Issued: **November 21, 2018** Next inspection: **November 20, 2019**

Testing done in accordance with:
CAN/ULC-S536-04 - Inspection and testing of fire alarm systems

See notes in report

Operations Manager

UTC Fire & Security Canada

Annual fire alarm system test and inspection report

Building Name	SHE SHE GUIN KANNOWASSHEUKIMIT CHILDCARE		
and Address :	Nemaska, QC		
Date :	Alarm Sequence : Single Stage		
Manufacturer :	Model Number : FA-1025T		
Building Number :	Proposition No : 21-906-6567		

This is to certify that the information contained in this fire alarm system annual test and inspection report is correct and complete.

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

E1. ANNUAL FIRE ALARM SYSTEM TEST AND INSPECTION REPORT

(Ref: 5.1.2)

- C. The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-536, Inspection and Testing of Fire Alarm Systems.
- D. The fire alarm system documentation is on site and includes a description of the system.
- E. The fire alarm system is now fully functional.
- F. The following fire alarm report contains no deficiencies.
- H. A copy of this report will be given to the building owner, or owner's representative.

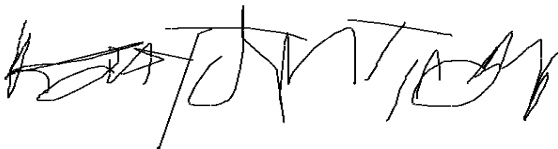


N/A



N/A

(Comment)



konstantin crepault

Name of primary technician conducting the test

Chubb

Company

CFAA identification # and/or 'M'
Licence ID of primary technician
conducting the test

418-681-0534

Telephone

E2.1 CONTROL UNIT OR TRANSPONDER TEST

(Ref: 5.1.3, 5.2.2.1)

(Comment)

- A. Power On visual indicator operates. ☒
- B. Common visual trouble signal operates. ☒
- C. Common audible trouble signal operates. ☒
- D. Trouble signal silence switch operates. ☒
- E. Main power supply failure initiates trouble signal. ☒
- F. Ground fault tested on both positive and negative initiates trouble signal. ☒
- G. Alert signal operates. ☐ N/A
- H. Alarm signal operates. ☒
- I. Automatic transfer from alert signal to alarm signal operates. ☐ N/A
- J. Manual transfer from alert to alarm signal operates. ☐ N/A
- K. Automatic transfer from alert signal to alarm signal cancel switch operates. ☐ N/A
- L. Alarm signal silence inhibit function operates. ☐ N/A
- M. Alarm signal manual silence operates. ☒
- N. Alarm signal silence visual indication operates. ☒
- O. Alarm signals, when silences, automatically reinitiates upon subsequent alarm. ☐ N/A
- P. Alarm signal silence automatic cut-out timer. ☐ N/A
- Q. Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C of the CAN/ULC-S536 standard. ☒
- R. Input circuit, alarm and supervisory operation, including audible and visual indication operates. ☒
- S. Input circuit supervision fault causes a trouble indication. ☒
- T. Output circuit alarm indicators operate. ☒
- U. Output circuit supervision fault causes a trouble condition. ☒
- V. Visual indicator test operates. (lamp test). ☒
- W. Coded signal sequences operate not less that the required number of times and the correct alarm signal operates thereafter. ☐ N/A
- X. Coded signal sequences are not interrupted by subsequent alarms. ☐ N/A
- Y. Auxiliary device bypass will result in a trouble indication. ☐ N/A
- Z. Input circuit to output circuit operation, including ancillary circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C of CAN/ULC-S536. ☒
- AA. Fire alarm system reset operates. ☒
- BB Main power supply to emergency power supply transfer operates. ☒
- CC. Status change confirmation (smoke detectors only) verified. (alarm verification feature). ☐ N/A
- DD. Receipt of the system Alarm transmission of the fire signal receiving centre. ☒
- EE. Receipt of the system supervisory transmission to the fire signal receiving centre. ☐ N/A
- FF. Receipt of the system Trouble transmission to the fire signal receiving centre. ☐ N/A
- GG. Name of the signal receiving centre. ☒
- Telephone number of the signal receiving centre. ☐ N/A
- HH. Operation of the fire signal receiving centre disconnect (FDR) results in a specific trouble indication at the control unit/transponder, and transmits a trouble signal to the alarm receiving centre. ☐ N/A

Rate : continu

Name :

Telephone :

Fire Dept (819) 673-2222
Police (819) 673-2506

E2.2 VOICE COMMUNICATION TEST

(Ref: 5.1.3, 5.2.3.1)

- A. Power ON indicator operates.
- B. Common visual trouble indicator operates.
- C. Common audible trouble signal operates.
- D. Trouble signal silence switch operates.
- E. All-Call voice paging, including visual indicator, operates.
- F. Output circuits for selective voice paging, including visual indicator operates.
- G. Output circuit for selective voice paging trouble operation, including visual indicator, operates.
- H. Microphone, including push to talk switch, operates.
- I. Operation of the voice paging system does not interfere with initial inhibit time of the fire alarm signal.
- J. All-call voice paging operates on emergency power supply (batteries).
- K. Upon failure of one amplifier, system automatically transfers to back-up amplifier.
- L. Circuits for emergency telephone call-in, including audible and visual indicators, operate.
- M. Circuits for emergency telephone – two ways voice communication operates.
- N. Circuits for emergency telephone operation, including visual indication, operates.
- O. Emergency telephone verbal communications operate.
- P. Emergency telephone operable (dial tone) or in use (busy tone) operate.

N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A

(Comment)

E2.3 CONTROL UNIT OR TRANSPONDER INSPECTION

(Ref: 5.1.3, 5.2.4.1)

- A. Input circuit designations correctly identified in relation to connected field devices.
- B. Output circuit designations correctly identified in relation to connected field devices.
- C. Correct designations for common control functions and indicators.
- D. Plug-in components and modules securely in place.
- E. Cables securely in place.
- F. Record the Date, revision and version of firmware/software program.
- G. Clean and free of dust and dirt.
- H. Fuses in accordance with manufacturers specifications.
- I. Control unit/transponder lock functional.
- J. Termination points for wiring to field devices secure.

✓
✓
✓
✓
✓
N/A
✓
✓
✓
✓
✓

(Comment)

E2.4 POWER SUPPLY INSPECTION

(Ref: 5.1.3, 5.3.1)

- A. Fused in accordance with manufacture's marked rating of the system.
- B. Adequate to meet the requirements of the system.

✓
✓

(Comment)

E2.5 EMERGENCY POWER SUPPLY TEST AND INSPECTION

(Ref: 5.1.3, 5.3.2, 5.3.3)

Location of batteries :	(Comment)	inside FACP
Type of batteries :		2x12v 4.5AH
A. Record battery type recommended by the manufacturer.	☒	
B. Correct battery rating as determined by battery calculations based on full system load.	☒	
C. Battery voltage with main power On.	☒	27.55 Vdc
D. Battery voltage – Power off – Supervisory condition.	☒	26.55 Vdc
Battery current – Power off – Supervisory condition.		0.2 Amp
E. Battery voltage – Power off – Full load alarm condition.	☒	25.33 Vdc
Battery current – Power off – Full load alarm condition.		0.4 Amp
F. Battery charge current after full load test.	☒	0.05 Amp
G. Physical damage.	☒	
H. Terminals cleaned and lubricated.	☒	
I. Terminals clamped tightly.	☒	
J. Correct electrolyte levels.	N/A	
K. Specific gravity of electrolyte is within manufacturer's specification.	N/A	
L. No Electrolyte leakage.	☒	
M. Adequate ventilation.	☒	
N. Battery manufacturer's date code or in-service date recorded.	☒	Date : 12-2016
O. Disconnection causes a trouble indication.	☒	
P. Indicate type of battery test performed. (A = 24 hours Test, B = Load resistor method, C = Silent accelerated test, D = Battery capacity meter test, E = Battery Replaced)	☒	D
Q. Record calculated battery capacity.	N/A	
R. Battery voltage after the load testing of the batteries.	N/A	
S. Battery rating not less than 85% of its rated specifications after test.	☒	
T. Generator provides power to the AC circuit serving the fire alarm system.	N/A	
U. Trouble condition at the emergency generator shall result in an audible trouble and annunciation.	N/A	

E2.6 ANNUNCIATORS AND REMOTE TROUBLE INDICATOR'S DISPLAYS – TEST AND INSPECTION

(Ref: 5.1.4, 5.4.1)

A. Power on indicator operates.	N/A	(Comment)
B. Individual alarm and supervisory input zones are clearly indicated and separately designated.	N/A	
C. Individual alarm and supervisory zone designation labels are properly identified.	N/A	
D. Common trouble signal operates.	N/A	
E. Visual indicator test (lamp test) operates.	N/A	
F. Input wiring from control unit or transponder is supervised.	N/A	
G. Alarm silence visual indicator operates.	N/A	
H. Switches for auxiliary functions operate as per design and specification, or documented as detailed in appendix C, description of fire alarm system for inspection and test procedures.	N/A	
I. Other auxiliary functions visual indicators operate.	N/A	
J. Manual activation of alarm signal and indication operates (total EVAC switch).	N/A	
K. Displays are visible in installed location.	N/A	
L. Operates on emergency power.	N/A	

E2.7 ANNUNCIATORS OR SEQUENTIAL DISPLAYS – TEST AND INSPECTION

(Ref: 5.1.4, 5.4.2)

- A. Power On indicator operates.
- B. Individual Alarm and Supervisory input zones are clearly indicated and separately designated.
Exception : Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s), and sequential display(s).
A minimum of one alarm zone and one supervisory zone tested at each annunciator and sequential display to confirm operation.
- C. Individual alarm and supervisory zone designation labels are properly identified.
- D. Common trouble signal operates.
- E. Visual indicator test (lamp test) operates.
- F. Input wiring from control unit or transponder is supervised.
- G. Alarm signal silence visual indicator operates.
- H. Switches for auxiliary functions operate as per design and specification, or documented as detailed in appendix C, Description of Fire Alarm System for Inspection and Test Procedures.
- I. Other auxiliary functions visual indicators operate.
- J. Manual activation of alarm signal and indication operates (total EVAC switch)
- K. Displays are visible in installed location.

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

(Comment)

E2.8 REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

(Ref: 5.1.4, 5.4.3)

- A. Input wiring from control unit or transponder is supervised.
- B. Visual trouble signal operates.
- C. Audible trouble signal operates.
- D. Audible trouble signal silence operates.

N/A

N/A

N/A

N/A

(Comment)

E2.9 PRINTER TEST

(Ref: 5.1.4, 5.5.1)

- A. Operates per design and specification, or documentation as detailed in Appendix C, Description of fire alarm system for inspection and test procedures.
- B. Zone of each alarm initiating device is correctly printed.
- C. Rated voltage is present at printer (printer is powered on).

N/A

N/A

N/A

(Comment)

E2.10 DATA COMMUNICATION LINK TEST

(Ref: 5.1.5, 5.6-Note)

- A. Confirm that a trouble signal is received at the control unit or transponder under open loop fault for each communication link.
- B. Where fault isolation modules are installed in data communication links service 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.
- C. Where fault isolation in data communication links is provided between control units and/or transponders, introduce a short circuit fault between each pair of control unit and transponder and confirm annunciation of the fault and operation outside the shorted section.

N/A

N/A

N/A

(Comment)

Project Name : SHE SHE GUIN KANNOWASSHEUKIMIT CHILDCARE

Reference : 21-906-6567

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Location	Device		Address	Me relat	Corre	Miss	Requir	Operat	Annun	Superv	Recom
PANNEL											
MAIN ENTRANCE	PAI	FA-1025T			A			A	A		(3)
DETECTION											
MAIN ENTRANCE	M	MS-401	1		A			A	A		
CENTRAL HALL	S	6249C	1		A			A	A		
KITCHEN 102	HT	283C	1		A			A	A		(1)
KITCHEN (CUBOARD) 104	RHT	281C	1		A			A	A		(4)
YOUNGER TODDLERS ROOM 117	S	6249C	1		A			A	A		
TODDLER'S ROOM	S	MIR-525	1		A			A	A		
HALLWAY IN FRONT OF TODDLER'S ROOM	S	C2M-PD1	1		A			A	A		(3)
LAUNDRY ROOM	RHT	282B-PL	1		A			A	A		
JANITOR ROOM 107	RHT	281B-PL	1		A			A	A		
INFANT ROOM 109	S	MIR-525	1		A			A	A		
INFANT ROOM 109	M	MS-401	1		A			A	A		
INFANT ROOM DORMATORY #1	S	MIR-525	1		A			A	A		
INFANT ROOM DORMATORY #2	S	MIR-525	1		A			A	A		
HALLWAY TO STAIRS	S	6249C	1		A			A	A		
HALLWAY TO STAIRS	M	MS-401	1		A			A	A		
STAIRCASE	S	6249C	1		A			A	A		
BASEMENT											
HALLWAY	M	MS-401	2		A			A	A		
JANITOR STORAGE	RHT	CR-135	2		A			A	A		
ELECTRIC ROOM (BY JANITOR STORAGE)	RHT	281C	2		A			A	A		
MECANICAL ROOM	RHT	CR-135	2		A			A	A		
MANAGER OFFICE- STORAGE (FRONT MECANICAL ROOM)	RHT	CR-135	2		A			A	A		(2)
HALLWAY (FRONT PAPERSTORAGE)	S	MIR-525	2		A			A	A		
PAPERSTORAGE STAFFROOM	RHT	CR-135	2		A			A	A		
CLOAKROOM	S	6249C	2		A			A	A		
CLOAKROOM	M	MS-401	2		A			A	A		

Project Name : SHE SHE GUIN KANNOWASSHEUKIMIT CHILDCARE

Reference : 21-906-6567

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Location	Device	Address	Measures relating to components							
			Correctly Installed	Missing	Requires Service or Repairs	Operation Confirmed	Annunciation Indication Confirmed	Supervision & Ground Fault Confirmed	Observation / Recommendation / Note	
VENTILATION SYSTEM										
BASEMENT IN MECANICAL ROOM	DS	SD-2W	3	A		A	A			

Project Name : SHE SHE GUIN KANNOWASSHEUKIMIT CHILDCARE

Reference : 21-906-6567

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Location	Device		Address	Me	relat	Corre	Miss	Requir	Operat	Annun	Superv	Recon
SIGNALING DEVICES												
CIRCUIT #1												
CENTRAL HALL	B	BL-GA			A			A	A			
INFANT ROOM	B	BL-GA			A			A	A			
CIRCUIT #2												
HALLWAY FRONT OF ELECTRICAL ROOM	B	BL-GA			A			A	A			
CLOAKROOM	B	BL-GA			A			A	A			
AUXILIARY FUNCTIONS												
VENTILATION SYSTEM SHUTDOWN	AD	N/C			A			A	A			
VOICE DIALER AD-2000 (Mechanical Room) (near duct smoke detector)	AD	6554 N/O			A			A	A			

The following instruction apply to report above :

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

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

List of project visits

Visits	Date	Name	# CFAA	Tasks
A	October 11, 2018	konstantin crepault		Inspection

E3.1 Field device testing - Legend

(Ref: 5.7.4.1.3-5,5.7.4.3.1,5.7.4.5.1,5.7.8.1.1,5.7.8.2.2,5.7.8.2.4)

Device Type : AD (Auxiliary device) Total = 2

6554 N/O Qty : 1 N/C Qty : 1

Device Type : B (Bell) Total = 4

BL-GA Qty : 4

Device Type : DS (Duct smoke detector) Total = 1

SD-2W Qty : 1

Device Type : HT (Non-restorable heat detector) Total = 1

283C Qty : 1

Device Type : M (Manual pull station) Total = 5

MS-401 Qty : 5

Device Type : RHT (Restorable heat detector) Total = 8

281B-PL Qty : 1 281C Qty : 2 282B-PL Qty : 1 CR-135 Qty : 4

Device Type : S (Smoke detector) Total = 11

6249C Qty : 5 C2M-PD1 Qty : 1 MIR-525 Qty : 5

E3.1 Field device testing - Notes

(Ref: 5.7.4.1.3-5,5.7.4.3.1,5.7.4.5.1,5.7.8.1.1,5.7.8.2.2,5.7.8.2.4)

#Notes	Description	Comment	Page
(1)	The tests have been made at the connection point only.(ULC S536-04 5.7.8.1.)	Observation	1
(2)	This device is not correctly fixed. It must be fixed properly.(ULC S536-04 5.7.1)	REC	1
(3)	I RECOMMAND TO REPLACED ACTUAL SYSTEM BY ADDRESSABLE SYSTEM.	REC	1
(4)	I have to replace the heat detector	Observation	1