

1 ADDENDUM #3

All clauses set forth in the Bidding Documents, Contract Documents and General Requirements of the original Contract Documents shall apply to and govern this work. The addendum refers to changes and additions to the original Contract Documents and is to be read in conjunction with the same. All other parts of the original Contract Documents are to be considered as applying to the work of this Contract with the exceptions and changes as noted below.

1.1 SPECIFICATIONS

.1 Reference Section 00 01 18 - Appendices:

.1 Add new paragraph .7 as follows:

"7 APPENDIX 'G'

Fire Alarm Verification Report, dated August 24, 2020".

.2 Reference Section 00 21 13 - Instruction to Bidders:

.1 Reference Paragraph 1.30:

.1 Reference Paragraph 1.30.1.6:

.1 Delete wording "01 SEP 2021" and replace with "15 OCT 2021".

.2 Reference new paragraph 1.30.2 as follows:

"2 The center core of the building on the upper floor will be hoarded off completely with negative air pressure to allow the contractor to continue work in this area if not completed by Sept. 1, 2021. The hoarding can be installed in the openings along grid line S and Y so that the new area is contained. The new rooms on the upper level within Grids S, Y, 6 & 11 are not required by Sept. 1, 2021. The renovated spaces on the lower level within Grids S, Y, 6 & 11 are required on Sept. 1, 2021.

All required hoarding walls are to be erected by Aug. 26th, 2021 to allow for work beyond that point. Contractor to provide hoarding plans / drawings prior to installation for review and approval. This applies to all areas where the Contractor will need to complete work and separate construction from Students and Staff. The 2021/2022 school calendar can be viewed on line and this will identify days of no classes.

Work taking place beyond Sept. 1, 2021 will be limited to ten (10) workers during school hours.

Commissioning and Balancing of the systems will need to occur when there are no classes or on evenings and weekends."

.3 Reference Section 00 41 13 - Bid Form:

.1 Add new Paragraph 1.13 as follows:

"1.13 Labour Rates:

.1 Prior to signing the Contract related to this Bid, the successful Bidder will provide the Owner with labor rates covering labor provided by the Bidder and major Subcontractors, for extra work carried out in relation to Change Order and Change Directive work. These labor rates are to be substantiated by actual labor costs and

wage levies; the labor rates must be reasonable, in comparison to local industry standards, and acceptable to the Owner."

- .4 Reference Section 00 73 00 - Supplementary Conditions:
 - .1 Reference Paragraph 1.19.1.1:
 - .1 Delete wording "FIVE Million Dollars (\$5,000,000.00)" and replace with "TEN Million Dollars (\$10,000,000.00).

- .5 Reference Section 01 56 00 - Temporary Barriers and Enclosures:
 - .1 Add new Paragraph 1.9 as follows:
 - "1.9 Dust Control Barriers:
 - .1 Provide full dust control barriers, sealed at floor, walls and underside of floor deck between renovation spaces and remaining areas of the building. Do not damage finishes that are to remain or that cannot be repaired. The dust control barrier can be built from floor to underside of ceiling assembly if the negative air can be maintained.
 - .2 Dust control barrier assembly:
 - .1 1/2" plywood, painted white on non-construction side.
 - .2 Metal stud framing at 16" o.c..
 - .4 Provide door and frame for access.
 - .3 Provide tack mats at access points between construction zone and remaining areas of the building.
 - .4 Seal off duct work that passes through the hoarding line.
 - .5 Provide negative air machine to maintain negative pressure in construction zone and temporarily exhaust to exterior.
 - .6 Contractor to allow for relocation the barrier for construction sequencing."

- .6 Reference Section 09 21 16 - Gypsum Board Assemblies:
 - .1 Reference Paragraph 2.2.6.3:
 - .1 Delete wording 'Fiberock VHI Firecode Core Gypsum Panels as manufactured by CGC' and replace with 'Sheetrock Mold Tough VHI Firecode X manufactured by CGC'.

- .7 Reference Section 22 30 05 - Domestic Water Heaters:
 - .1 Reference Paragraph 2.2.1.7:
 - .1 Append the following wording: "Viessmann".

- .8 Reference Section 22 42 01 - Plumbing Specialties and Accessories:
 - .1 Reference Paragraph 2.5.1.1.1:
 - .1 Append the following wording: "BEECO (Division of MIFAB)".
 - .2 Reference Paragraph 2.7.4:
 - .1 Append the following wording: "BEECO (Division of MIFAB)".
 - .3 Reference Paragraph 2.8.1.1:
 - .1 Append the following wording: "MIFAB".
 - .4 Reference Paragraph 2.10:
 - .1 Add new paragraph .4 as follows:
 - ".4 Acceptable material: Watts, MIFAB, BEECO, Zurn, Crane, Apollo."

- .9 Reference Section 22 42 03 - Washroom Fixtures:
 - .1 Reference Paragraph 1.5.2:
 - .1 Delete the paragraph in its entirety.

- .10 Reference Section 23 21 14 - Hydronic Specialties:
 - .1 Reference Paragraph 2.2.10:
 - .1 Append the following wording: "Wessels".
 - .2 Reference Paragraph 2.12:
 - .1 Add new paragraph .8 as follows:
 - .8 Acceptable material - Caleffi, Wessels."

- .11 Reference Section 23 72 00 - Air to Air Energy Recovery Equipment:
 - .1 Reference Paragraph 2.1.4:
 - .1 Append the following wording: "Lossnay".

- .12 Reference Section 23 82 35 - Finned Tube Radiation Heaters:
 - .1 Reference Paragraph 2.3.5:
 - .1 Append the following wording: "Verano by MDL".
 - .2 Reference Paragraph 2.4.7:
 - .1 Append the following wording: "Verano by MDL".

- .13 Reference Section 23 37 13 Diffusers, Registers, and Grilles:
 - .1 Reference Paragraph 2.1.5:
 - .1 Append the following wording: "AirVector".

1.2 DRAWINGS

- .1 Reference Drawing M2-202 Heating Schedules and Details:
 - .1 Reference Baseboard Heater Schedule:
 - .1 Delete schedule in its entirety and replace with version shown in Sketch MSK-202, attached and forming part of this addendum.
 - .2 Reference Pump Schedule:
 - .1 Reference Row "P-1":
 - .1 Under the "type" column, delete as written and replace with: "Inline Centrifugal, Integrated VFD, Sensorless Control".
 - .2 Under the "Basis of Design" column, delete as written and replace with: "Armstrong 4380DE 0205H-001.5".
 - .2 Reference Row "P-2":
 - .1 Under the "type" column, delete as written and replace with: "Inline Centrifugal, Integrated VFD, Sensorless Control".
 - .2 Under the "Basis of Design" column, delete as written and replace with: "Armstrong 4380DE 0205H-001.5".

- .2 Reference Drawing M302 Ventilation Details and Schematics:
 - .1 Reference Energy Recovery Ventilator Schedule:
 - .1 Delete schedule in its entirety and replace with version shown in Sketch MSK-201, attached and forming part of this addendum.

- .3 Reference Drawing E2-500 - Lower Level Demolition Plan - Systems:
- .1 Reference Detail 1/E2-500:
- .1 Contractor to trace out, disconnect and remove five (5) existing obsolete conventional 120V fire alarm horns located by Girl's WR 103, by Classroom 110, by Teacher's Lounge 131, by Gymnasium 124 and by Girl's WR 118 connected to circuit #2 and four (4) existing obsolete conventional 120V fire alarm bells located in Classroom 105, Classroom 117 and Classroom 135 connected to circuit #3 and all conduit, cabling and associated electrical back to source. Existing recess mounted outlet boxes to be maintained in -situ for future installation of new addressable fire alarm combination horn/strobe.
- .4 Reference Drawing E2-501 - Upper Level Demolition Plan - Systems:
- .1 Reference Detail 1/E2-501:
- .1 Contractor to trace out, disconnect and remove four (4) existing obsolete conventional 120V fire alarm fire alarm horns located by Girl's WR 203, Classroom 210, Classroom 231 and Girl's WR 118 connected to circuit #1 and one (1) existing obsolete conventional 120V fire alarm bell located by TPC 232 connected to circuit #3 and all conduit, cabling and associated electrical back to source. Existing recess mounted outlet boxes to be maintained in -situ for future installation of new addressable fire alarm combination horn/strobe.
- .5 Reference Drawing E2-600 - Lower & Upper Level Floor Plan - Power:
- .1 Reference Detail 1/E2-600:
- .1 In Mechanical 120, Contractor to wire HRV-1 with 2#12, 1#14 bond in 21mmC routed through inaccessible ceiling space and surface mounted to existing concrete block wall to 15A/1P circuit breaker located in position 21 of 100A MB, 120/208V, three phase, four wire panelboard 'P'. Coordinate exact location of HRV-1 with Mechanical Contractor on site prior to rough-in.
- .2 Reference Detail 3/E2-600:
- .1 In Green Room 239, ERV-1 located in accessible ceiling to be completed with integral unfused disconnect switch. Wire unfused disconnect switch of ERV-1 with 2#12, 1#14 bond in 21mmC routed through accessible ceiling space to closet available 15A/1P spare circuit breaker. Coordinate exact location of ERV-1 with Mechanical Contractor on site prior to rough-in.
- .2 In work Room 224, ERV-2 located in accessible ceiling to be completed with integral unfused disconnect switch. Wire unfused disconnect switch of ERV-2 with 2#12, 1#14 bond in 21mmC routed through accessible ceiling space to closet available 15A/1P spare circuit breaker. Coordinate exact location of ERV-2 with Mechanical Contractor on site prior to rough-in.
- .3 In Copier 201A, ERV-3 located in accessible ceiling to be completed with integral unfused disconnect switch. Wire unfused disconnect switch of ERV-3 with 2#12, 1#14 bond in 21mmC routed through accessible ceiling space to closet available 15A/1P spare circuit breaker. Coordinate exact location of ERV-3 with Mechanical Contractor on site prior to rough-in.

- .6 Reference Drawing E2-900 - Lower Level New Floor Plan - Systems:
- .1 Reference Detail 1/E2-900:
- .1 Contractor to supply and install new addressable fire alarm combination horn/strobe mounted to existing recess mounted outlet boxes to replace existing obsolete fire alarm bells and horns. Contractor to provide new conduit and cabling to wire new addressable fire alarm combination horn/strobe to new hybrid fire alarm control panel located in Main Office 201 on second floor as indicated in attached Sketch ESK-203. New fire alarm notification loop to be addressable.
- .2 In Corridor 112A, Contractor to install one (1) addressable fire alarm combination horn/strobe mounted at 2400mm AFF on south wall at intersection of gridlines V and 8. Contractor to provide new conduit and cabling to wire new addressable fire alarm combination horn/strobe to new hybrid fire alarm control panel located in Main Office 201 on second floor as indicated in attached Sketch ESK-203. New fire alarm notification loop to be addressable.
- .3 CLARIFICATION:
All existing conventional fire alarm initiation devices and existing conventional fire alarm initiation loops to be maintained, unless otherwise indicated. Contractor to provide all new conduit and cabling to maintain existing conventional fire alarm initiation devices, extend and reconnect conventional fire alarm initiation loops to new hybrid fire alarm control panel located in Main Office 201. All existing conventional fire alarm initiation loops to be maintained in a Class B configuration. Contractor to trace out and confirm exact location of fire alarm initiation loops on site. Conventional fire alarm initiation loops to be wired to new hybrid fire alarm control panel located in Main Office 201 through an addressable input module. Refer to fire alarm verification report for additional information on existing fire alarm devices.
- .7 Reference Drawing E2-901 - Upper Level New Floor Plan - Systems:
- .1 Reference Detail 1/E2-901:
- .1 Contractor to supply and install new addressable fire alarm combination horn/strobe mounted to existing recess mounted outlet boxes to replace existing obsolete fire alarm bells and horns. Contractor to provide new conduit and cabling to wire new addressable fire alarm combination horn/strobe to new hybrid fire alarm control panel located in Main Office 201 on second floor as indicated in attached Sketch ESK-203. New fire alarm notification loop to be addressable.
- .2 In Corridor 237, Contractor to install one (1) addressable fire alarm combination horn/strobe mounted at 2400mm AFF on north wall adjacent to intersection of gridlines V and 8. Contractor to provide new conduit and cabling to wire new addressable fire alarm combination horn/strobe to new hybrid fire alarm control panel located in Main Office 201 on second floor as indicated in attached Sketch ESK-203. New fire alarm notification loop to be addressable.
- .3 For clarification, all existing conventional fire alarm initiation devices and existing conventional fire alarm initiation loops to be maintained, unless otherwise indicated. Contractor to provide all new conduit and cabling to maintain existing conventional fire alarm initiation devices, extend and reconnect conventional fire alarm initiation loops to new hybrid fire alarm control panel located in Main Office 201. All existing conventional fire alarm initiation loops to be maintained in a Class B configuration. Contractor to trace out and confirm exact location of fire alarm initiation

loops on site. Conventional fire alarm initiation loops to be wired to new hybrid fire alarm control panel located in Main Office 201 through an addressable input module. Refer to fire alarm verification report for additional information on existing fire alarm devices.

- .8 Reference Drawing E2-1001 - Electrical Details:
 - .1 Reference Detail 1/E2-1001:
 - .1 Delete detail in its entirety and replace with attached Sketch ESK-203.

1.3 **APPENDICES**

- .1 Reference Appendix 'E' Toilet accessories Schedule:
 - .1 Reference Tag CH - Coat Hook: Add ASI 7340-s as an approved equal.
 - .2 Reference Tag GB1 - Grab Bar: Add ASI 3701-24p as an approved equal.
 - .3 Reference Tag GB2 - Grab Bar: Add ASI 3707-4p as an approved equal.
 - .4 Reference Tag JMS - Janitor Mop Strip: Add ASI 1308-3 as an approved equal.
 - .5 Reference Tag MIR - Mirror: Add ASI 0600-2436 as an approved equal.
 - .6 Reference Tag ND - Napkin Disposal: Add ASI 0473-1A as an approved equal.
 - .7 Reference Tag PTD - Paper Towel Dispenser: Delete specified Bobrick product and add Kimberly Clack model 09996 or Kruger model 09740 as standard of acceptance.
 - .8 Reference Tag SC - Shower Curtain: Add ASI 1200-V as an approved equal.
 - .9 Reference Tag SD - Soap Dispenser: Delete specified product and revise comment to be Owner supplied / Contractor installed.
 - .10 Reference Tag SH - Shelf: Add ASI 0962-516 as an approved equal.
 - .11 Reference Tag SHD - Sharps Disposal: Add ASI 0548-9 as an approved equal.
 - .12 Reference Tag TD - Toilet Paper Dispenser: Delete specified Bobrick product and add Kruger model 09645 as standard of acceptance.
 - .13 Reference Tag WR - Waste Receptacle: Add ASI 20826 as an approved equal.
- .2 Reference New Appendix 'G' Fire Alarm Verification Report:
 - .1 Attached is forming part of this addendum is new Appendix 'G'.

END OF SECTION

APPENDIX 'G'

Fire Alarm Verification Report



3288 North Carleton Rd.
Albany, PE, C0B 1A0

**FIRE ALARM SYSTEM
INSPECTION AND TEST REPORT**
(Ref.: CAN/ULC-S536/13 & NFPA 101 Life Safety Code)

CUSTOMER: <u>PUBLIC SCHOOL BRANCH PEI</u>	DATE: <u>AUGUST 24, 2020</u>
BILLING ADDRESS: <u>234 SHAKESPEARE DR., P.O. BOX 8600</u>	SITE: <u>MONTAGUE CONSOLIDATED SCHOOL</u>
CITY: <u>CHARLOTTETOWN</u> PROVINCE: <u>PE</u>	ADDRESS: <u>622 PRINCESS DRIVE</u>
POSTAL CODE: <u>C1A 8V7</u> TELEPHONE: <u>(902) 368-6990</u>	<u>MONTAGUE, PE</u>
CONTACT: <u>NATHAN MacLEOD</u>	JOB#: <u>31519</u>

SYSTEM MANUFACTURER: EDWARDS SINGLE STAGE OPERATION
 MODEL #: ZNC DROPFLAG TWO STAGE OPERATION

- This is to certify that the *fire alarm system* has been tested and inspected in accordance with Section 6, Periodic Inspection and Yearly Tests of the Fire Alarm Systems, CAN/ULC-S536/13, and NFPA 101 Life Safety Code, and these records document the results of testing performed, and
 - The Fire Alarm System is now fully functional.
- OR**
- The fire alarm system has deficiencies summarized in the comments below and reported on the attached pages.


Summary Comments: NOTE – Main Fire Alarm System is outdated, has no battery backup and no supervision. Recommend
it be replaced.

NOTE: Monitoring Alarm Point not working.

- A copy of this report will be given to NATHAN MacLEOD who is the
- Owner or Owner's representative for this building.

FIRE ALARM DOCUMENTATION
(Ref.: CAN/ULC-S536/13 & NFPA 101 Life Safety Code)

Yes No The fire alarm system has all required documentation.

<u>Wayne J. Gallant</u>	<u>20-94413</u>	
Primary Technician Conducting Test	CFAA Number	Primary Technician Signature
_____ Technician Conducting Test	_____ CFAA Number	_____ Technician Signature

EVERY LINE MUST HAVE THE APPROPRIATE MARKING
IN THE BOX PROVIDED

✓ - YES
(Tested Correctly)

X - NO
(Did Not Test Correctly)

N/A - NOT APPLICABLE
(Function or Feature Not Provided)

CONTROL UNIT TEST

VOICE COMMUNICATION TEST

N/A	Power "ON" visual indicator
✓	Common visual trouble signal
✓	Common audible trouble signal
✓	Trouble Signal Silence switch
N/A	Main power supply failure trouble signal
N/A	Ground fault tested on positive and negative trouble signal
✓	Alarm signal operation
N/A	Automatic transfer from alert signal to alarm signal
N/A	Acknowledge switch operation
N/A	Alarm signal switch inhibit
N/A	Alarm signal silence operation
N/A	Alarm signal silence visual indication
N/A	Alarm signal silence automatic cut-out timer (5 min)
✓	Input circuit trouble operation
N/A	Alarm signal, when silenced, automatically reinitiate upon subsequent alarm
N/A	Input circuit, alarm and supervisory operation, including visual indicator
✓	Output circuit alarm operation
✓	Output circuit trouble operation
N/A	Visual indicator test (lamp test)
N/A	Coded signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter
N/A	Coded signal sequences are not interrupted by subsequent alarms
N/A	Input circuit to output circuit operation, including ancillary device circuits, for correct matrix operation, as per design and specifications
✓	Reset operation
N/A	Main power supply to emergency power supply transfer
N/A	Data Communication Link (DCL) supervision and operation
X	Control unit interconnection to monitoring station
X	Name of monitoring station: <u>ARMSTRONG ACCT.#4401-7633</u>

N/A	Power "ON" indicator
N/A	Common visual trouble signal
N/A	Common audible trouble signal
N/A	Trouble Signal Silence switch
N/A	All-call voice paging including visual indicator
N/A	Output circuits for selective voice paging, including visual indication
N/A	Output circuits for selective voice paging trouble operation, including visual indication
N/A	Microphone including press to talk switch
N/A	Operation of voice paging does not interfere with initial inhibit time of alert signal and alarm signal
N/A	All-call voice paging operates (on emergency power supply)
N/A	Emergency telephone verbal communication
N/A	Upon failure of one amplifier, system automatically transfers to back-up amplifier(s)
N/A	Circuits for emergency telephone call-in operation, including audible and visual indication
N/A	Emergency telephone operable or in-use tone at handset
N/A	Circuits for emergency telephones for operation, including two-way voice communication
N/A	Circuits for emergency telephones for operation, including visual indication

CONTROL UNIT INSPECTION

✓	Input circuit designations, correctly identified in relation to connected field devices
✓	Output circuit designations, correctly identified in relation to connected field devices
✓	Designations for common control functions and indicators
✓	Cabinet, plug-in components and modules securely in place
✓	Cleanliness
✓	Fuses in accordance with manufacturer's specification Control unit lock
✓	Termination points from wiring to field devices secure

POWER SUPPLY INSPECTION

N/A	Fused in accordance with the manufacturer's marked rating of the system
N/A	Adequate to meet the requirements of the system

Record the Date, Revision and Version of Firmware and Software:

Firmware: Date: _____ Revision No.: _____ Version No.: _____
 Software: Date: _____ Revision No.: _____ Version No.: _____

EVERY LINE MUST HAVE THE APPROPRIATE MARKING
IN THE BOX PROVIDED

✓ - YES
(Tested Correctly)

X - NO
(Did Not Test Correctly)

N/A - NOT APPLICABLE
(Function or Feature Not Provided)

EMERGENCY POWER SUPPLY TEST & INSPECTION

N/A	Correct battery type as recommended by manufacturer Battery Size: NO BATTERIES
N/A	Correct rating as determined by calculations based on full system load
N/A	Battery voltage (with main power supply 'ON') _____ Vdc
N/A	Battery Voltage (with main power supply 'OFF' and fire alarm in supervisory condition) _____ Vdc
N/A	Battery Current (with main power supply 'OFF' and fire alarm in supervisory condition) _____ ma
N/A	Battery Voltage (with main power supply 'OFF' and fire alarm in full load condition) _____ Vdc
N/A	Battery Current (with main power supply 'OFF' and fire alarm in full load condition) _____ ma
N/A	Charging current _____ ma
N/A	Inspected for physical damage
N/A	Terminals cleaned and lubricated
N/A	Terminals clamped tightly
N/A	Correct electrolyte level
N/A	Specific gravity of electrolyte within manufacturer's specifications
N/A	Check for electrolyte leaks
N/A	Adequately ventilation
N/A	Within manufacturer's rated life date code
N/A	Disconnection causes trouble signal
N/A	Will provide required power for its required duration under full load
N/A	Engine-Generator provides emergency power
N/A	Trouble condition at the emergency generator is indicated audibly and visibly at the annunciator

ANNUNCIATOR TEST AND INSPECTION

N/A	Power 'ON' indicator
N/A	Individual alarm and supervisory zone indication
N/A	Individual alarm and supervisory zone designation labels are properly identified
N/A	Common trouble signal
N/A	Visual indicator test (lamp test)
N/A	Input wiring from control unit is supervised
N/A	Alarm signal silence visual indicator
N/A	Switches for ancillary functions operate as intended
N/A	Other ancillary functions visual indicators
N/A	Manual activation of alarm signal and indication
N/A	Displays are visible installed location

SEQUENTIAL DISPLAY TEST & INSPECTION

N/A	Alarm input overrides supervisory and trouble input
N/A	Individual alarm, supervisory and trouble inputs are clearly indicated and separately designated
N/A	Supervisory input overrides trouble input
N/A	Individual alarm and supervisory input designated labels are properly identified
N/A	Display can be manually advanced
N/A	First alarm is continuously displayed until manually advanced
N/A	First alarm clearly identified each time it is displayed
N/A	Alarm and supervisory inputs can be retrieved until system is reset

REMOTE TROUBLE UNIT TEST & INSPECTION

N/A	Input wiring from control panel is supervised
N/A	Visual trouble signal
N/A	Audible trouble signal
N/A	Audible trouble signal silence

PRINTER TEST

N/A	Operation as intended
N/A	Zone of each alarm initiating device is correctly printed
N/A	Rated voltage present

PRINTERS IN A PROPRIETARY SYSTEM –TEST & INSPECTION

N/A	Events and acknowledgements are automatically printed
N/A	Time and date of each event are recorded by the printer
N/A	Each event is recorded as they occur, irrespective of event Acknowledgement
N/A	System records status changes without the loss of any data
N/A	Paper advances automatically such that printed record is visible
N/A	Printer operates under loss of main power supply
N/A	Printer is monitored for 'low paper' and 'paper out'

DEVICE TESTING – LEGEND AND NOTES
(Ref.: CAN/ULC-S536/13 & NFPA 101 Life Safety Code)

DEVICE	DESCRIPTION	TYPE	MODEL NO.
M	Manual Pull Station	EDWARDS	270-SPOE
RHT	Heat Detector, Rate of Rise 135°	THERMOFLEX	CDT-135R
FHT	Heat Detector, Fixed 197°		
S(I)	Smoke Detector Type Ionization		
S(P)	Smoke Detector Type Photoelectric		
SA	Smoke Alarm		
DS	Duct Smoke Detector		
RI	Remote Indicator Unit		
--	Other Type of Detector		
FS	Sprinkler Flow Switch		
TS	Sprinkler Supervisory Device		
--	Other Supervisory Devices (Low Pressure, Low Water, Low Temperature, Power Loss, etc.)		
B6	Bell – 6 inch	NOTIFIER	KMS-6-24A
B10	Bell – 10 inch		
H	Horn	EDWARDS	ADAPTAHORN
V	Visual Signal Appliance		
MH	Mini-Horn		
AV	Horn Strobe		
SP	Cone Type Loudspeaker		
HSP	Horn Type Loudspeaker		
ET	Emergency Telephone		
AD	Ancillary Devices		
SFD	Supporting Field Device (Monitor)		
EM	Fault Isolation Module		
EOLR	End of Line Device		

CAUTION: The tests reported on these forms do not include the actual operational test of Ancillary Devices.

ANCILLARY DEVICE CIRCUIT TEST
(Ref.: CAN/ULC-S536/13 & NFPA 101 Life Safety Code)

The following specific circuits are connected to the fire alarm system:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

FIRE ALARM DEVICE TEST AND INSPECTION REPORT
BUILDING LOCATION: MONTAGUE CONSOLIDATED SCHOOL
DATE: AUGUST 24, 2020

LOCATION	DEVICE	A	B	C	D	E	F	REMARKS
Main Office #201	RHT	✓		✓	✓	5		
Principals Office #200	RHT	✓		✓	✓	5		
Janitors Room in Boys Washroom #202	RHT	✓		✓	✓	5		
By Girls Washroom #203	M	✓		✓	✓	5		
By Girls Washroom #203	H	✓		✓	-	B1		
Class Room #205	RHT	✓		✓	✓	3		
Class Room #206	RHT	✓		✓	✓	3		
Class Room #207	RHT	✓		✓	✓	3		
Storage Room #208	RHT	✓		✓	✓	3		
By Class Room #210	M	✓		✓	✓	3		
By Class Room #210	H	✓		✓	-	B1		
Janitors Room in Room #210 LAN Room	RHT	✓		✓	✓	3		
Class Room #210	RHT	✓		✓	✓	3		
Storage Room #213	RHT	✓		✓	✓	3		
Class Room #214	RHT	✓		✓	✓	3		
Class Room #215	RHT	✓		✓	✓	3		
Computer Room #216	RHT	✓		✓	✓	3		
Class Room #225	RHT	✓		✓	✓	4		
Class Room #226	RHT	✓		✓	✓	4		
Class Room #227	RHT	✓		✓	✓	4		
Storage Room #228	RHT	✓		✓	✓	4		
By Class Room #231	M	✓		✓	✓	4		
By Class Room #231	H	✓		✓	-	B1		
Class Room #231	RHT	✓		✓	✓	4		
Class Room #231 Closet	RHT	✓		✓	✓	4		

- A – Correctly Installed
- B – Requires Service, Repair, Missing or Cleaning
- C – Alarm Operation Confirmed
- D – Annunciation Indication Confirmed
- E – Circuit Number or Device Address
- F – Supervision and Ground Fault Detection of Wiring to Device Confirmed

FIRE ALARM DEVICE TEST AND INSPECTION REPORT
BUILDING LOCATION: MONTAGUE CONSOLIDATED SCHOOL
DATE: AUGUST 24, 2020

LOCATION	DEVICE	A	B	C	D	E	F	REMARKS
Storage Room #232	RHT	✓		✓	✓	4		
Class Room #233	RHT	✓		✓	✓	4		
Class Room #234	RHT	✓		✓	✓	4		
Class Room #235	RHT	✓		✓	✓	4		
Janitors Room in Boys #219	RHT	✓		✓	✓	4		
By Girls Washroom #218	M	✓		✓	✓	4		
By Girls Washroom #218	H	✓		✓	-	B1		
Room #222	RHT	✓		✓	✓	3		
Music Room #220	RHT	✓		✓	✓	3		
Kitchen #221	RHT	✓		✓	✓	3		
Storage Room #224	RHT	✓		✓	✓	4		
Room #230	RHT	✓		✓	✓	4		
LOWER LEVEL								
Room #100	RHT	✓		✓	✓	1		
Room #101	RHT	✓		✓	✓	1		
Janitors Room in Boys #102	RHT	✓		✓	✓	1		
By Girls Washroom #103	M	✓		✓	✓	1		
By Girls Washroom #103	H	✓		✓	-	B2		
Class Room #105	RHT	✓		✓	✓	1		
Class Room #106	RHT	✓		✓	✓	1		
Class Room #107	RHT	✓		✓	✓	1		
Storage Room #108	RHT	✓		✓	✓	1		
Class Room #105	B6	✓		✓	-	B3		
Class Room #109	RHT	✓		✓	✓	1		
By Room #110	M	✓		✓	✓	1		

- A – Correctly Installed
- B – Requires Service, Repair, Missing or Cleaning
- C – Alarm Operation Confirmed
- D – Annunciation Indication Confirmed
- E – Circuit Number or Device Address
- F – Supervision and Ground Fault Detection of Wiring to Device Confirmed

FIRE ALARM DEVICE TEST AND INSPECTION REPORT
BUILDING LOCATION: MONTAGUE CONSOLIDATED SCHOOL
DATE: AUGUST 24, 2020

LOCATION	DEVICE	A	B	C	D	E	F	REMARKS
By Room #110	H	✓		✓	-	B2		
Class Room #110	RHT	✓		✓	✓	1		
Class Room #110 Closet - LAN Room	RHT	✓		✓	✓	1		
Room #111	RHT	✓		✓	✓	1		
Room #112	RHT	✓		✓	✓	1		
Storage Room #113	RHT	✓		✓	✓	1		
Class Room #114	RHT	✓		✓	✓	1		
Class Room #115	RHT	✓		✓	✓	1		
Class Room #116	RHT	✓		✓	✓	1		
Class Room #117	B6	✓		✓	-	B3		
Storage Room #109B	RHT	✓		✓	✓	1		
Class Room #125	RHT	✓		✓	✓	2		
Corridor by Room #127	RHT	✓		✓	✓	2		
Small Room in Room #129	RHT	✓		✓	✓	2		
Storage Room #130	RHT	✓		✓	✓	2		
By Room #131	M	✓		✓	✓	2		
By Room #131	H	✓		✓	-	B2		
Lounge Room #131	RHT	✓		✓	✓	2		
Lounge Room #131 Washroom	RHT	✓		✓	✓	2		
Storage Room #132	RHT	✓		✓	✓	2		
Class Room #133	RHT	✓		✓	✓	2		
Class Room #134	RHT	✓		✓	✓	2		
Class Room #135	RHT	✓		✓	✓	2		
Class Room #135	B6	✓		✓	-	B3		

- A – Correctly Installed
- B – Requires Service, Repair, Missing or Cleaning
- C – Alarm Operation Confirmed
- D – Annunciation Indication Confirmed
- E – Circuit Number or Device Address
- F – Supervision and Ground Fault Detection of Wiring to Device Confirmed

ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	AIR SIDE		ELECTRICAL		HEATING MODE EFFECTIVENESS			DIMENSIONS				BASIS OF DESIGN	NOTES
	AIRFLOW (LPS)	ESP (Pa)	UNIT MCA	POWER (V/φ/Hz)	OA (°C DB/WB)	RA (°C DB/WB)	% EFF. (TOTAL)	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	WEIGHT (kg)		
ERV-1	100	150	9.0	120/1/60	-20.4/-21.1	20.0/12.8	65.0	1121	858	403	113.4	RENEWAIRE EV450IN	SINGLE CONTACTOR CONTROL FOR BOTH FANS, FIELD INSTALLED BACKDRAFT DAMPERS ON BOTH AIRSTREAMS, STATIC PLATE ENERGY RECOVERY CORE
ERV-2	75	150	9.0	120/1/60	-20.4/-21.1	20.0/12.8	65.0	1121	858	403	113.4	RENEWAIRE EV450IN	
ERV-3	100	150	9.0	120/1/60	-20.4/-21.1	20.0/12.8	65.0	1121	858	403	113.4	RENEWAIRE EV450IN	



Suite 201, 85 Fitzroy Street
 Charlottetown, PEI, Canada, C1A 1R6
 Phone (902) 368-2300
 www.colesassociates.com

Client
 Department of Transportation and
 Infrastructure

Project Title
 Montague Consolidated School
 Renovation

Sheet Title
 Energy Recovery Ventilator
 Updated Equipment Schedule

Date: 2021-05-27
 Dwn By: R.L.C. Chk By: R.L.C.

Project Number:
201104

Drawing Number:
MSK-201

BASEBOARD HEATER SCHEDULE									
TAG	TYPE	CAPACITY (kW)	LENGTH (mm)	OUTPUT (W/m)	EAT (°C)	FLOW (LPM)	EWT (°C)	CONN.	BASIS OF DESIGN
BB-1	FINNED TUBE RADIATOR IN CABINET	2.6	2997	867	18	6.0	43	DN20	JAGA TEMPO, TYPE 21, 902mm HEIGHT
BB-2	FINNED TUBE RADIATOR IN CABINET	2.0	2400	833	18	4.0	43	DN20	JAGA TEMPO, TYPE 21, 902mm HEIGHT
BB-3	FINNED TUBE RADIATOR IN CABINET	1.1	1194	891	18	2.0	43	DN20	JAGA STRADA, TYPE 21, 952mm HEIGHT



Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada, C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

Client
Department of Transportation and
Infrastructure

Project Title
Montague Consolidated School
Contract #2: Interior Fit up

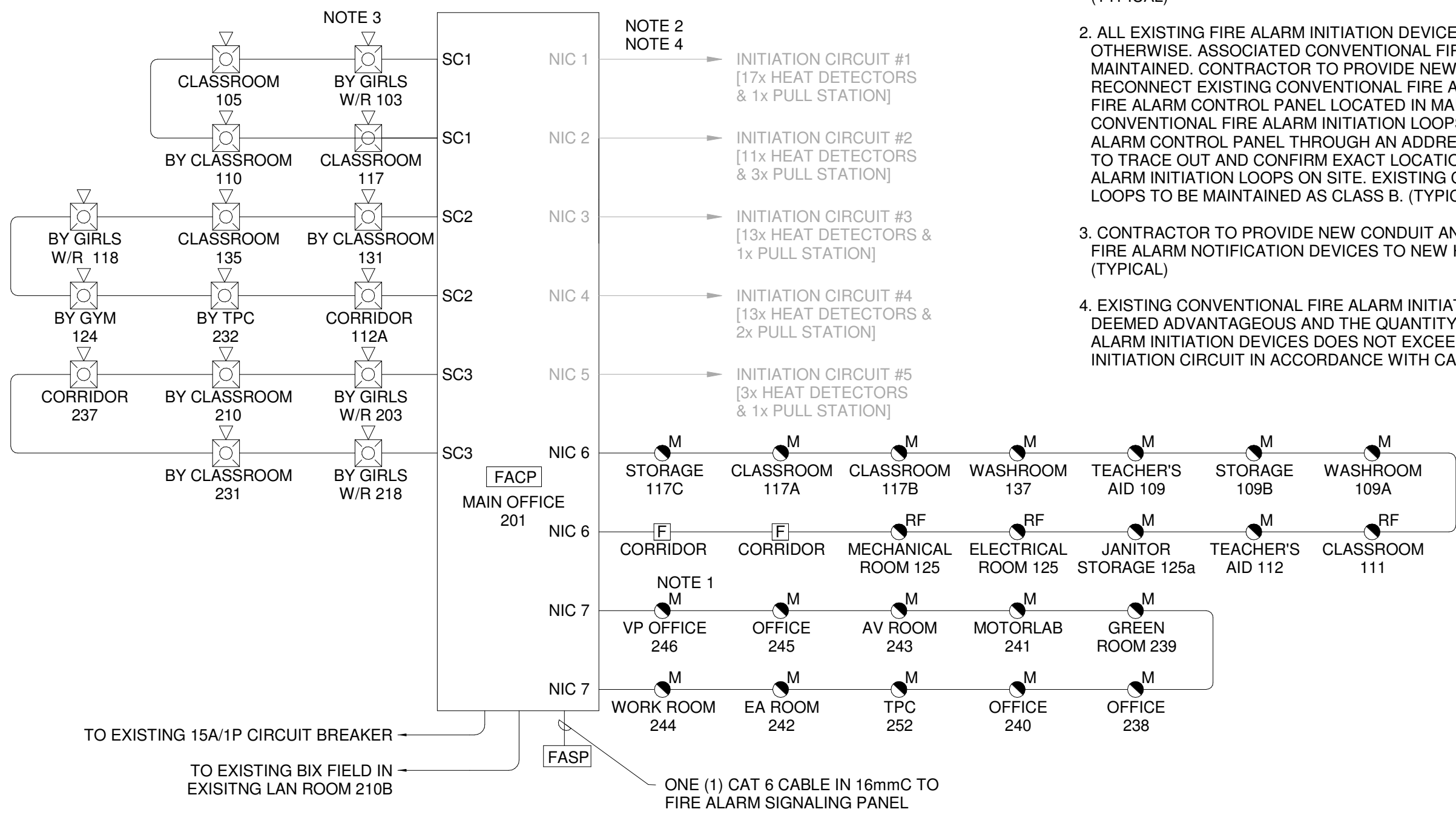
Sheet Title
Revised Baseboard
Heater Schedule

Date: 2021-05-28
Dwn By: RLC Chk By: RLC
Project Number:

201103
Drawing Number:
MSK-202

NOTES:

1. CONTRACTOR TO PROVIDE NEW CONDUIT AND CABLING TO WIRE NEW ADDRESSABLE FIRE ALARM INITIATION DEVICES TO NEW HYBRID FIRE ALARM CONTROL PANEL. (TYPICAL)
2. ALL EXISTING FIRE ALARM INITIATION DEVICES TO BE MAINTAINED; UNLESS INDICATED OTHERWISE. ASSOCIATED CONVENTIONAL FIRE ALARM INITIATION LOOPS TO BE MAINTAINED. CONTRACTOR TO PROVIDE NEW CONDUIT AND CABLING TO EXTEND AND RECONNECT EXISTING CONVENTIONAL FIRE ALARM INITIATION LOOPS TO NEW HYBRID FIRE ALARM CONTROL PANEL LOCATED IN MAIN OFFICE 201. ALL EXISTING CONVENTIONAL FIRE ALARM INITIATION LOOPS ARE TO BE WIRED TO NEW HYBRID FIRE ALARM CONTROL PANEL THROUGH AN ADDRESSABLE INPUT MODULE. CONTRACTOR TO TRACE OUT AND CONFIRM EXACT LOCATION OF EXISTING CONVENTIONAL FIRE ALARM INITIATION LOOPS ON SITE. EXISTING CONVENTIONAL FIRE ALARM INITIATION LOOPS TO BE MAINTAINED AS CLASS B. (TYPICAL).
3. CONTRACTOR TO PROVIDE NEW CONDUIT AND CABLING TO WIRE NEW ADDRESSABLE FIRE ALARM NOTIFICATION DEVICES TO NEW HYBRID FIRE ALARM CONTROL PANEL. (TYPICAL)
4. EXISTING CONVENTIONAL FIRE ALARM INITIATION LOOPS CAN BE COMBINED WHERE DEEMED ADVANTAGEOUS AND THE QUANTITY OF CONNECTED CONVENTIONAL FIRE ALARM INITIATION DEVICES DOES NOT EXCEED RATING OF CONVENTIONAL FIRE ALARM INITIATION CIRCUIT IN ACCORDANCE WITH CAN/ULC-S536.



1 REVISED FIRE ALARM RISER SCHEMATIC
 ESK-203 1:100



Suite 201, 85 Fitzroy Street
 Charlottetown, P.E.I., Canada, C1A 1R6
 Phone: (902) 368-2300
 www.colesassociates.com

Client: PEI Department of Transportation, Infrastructure & Energy
 Project Title: Montague Consolidated School

Sheet Title: Revised Fire Alarm Riser Schematic

Date: 06/02/21
 Drn By: C.L.S. Chk By: E.S.C.
 Project Number: 201104
 Drawing Number: ESK-203