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ADDENDUM #4

PROJECT: Three Oaks Senior High School Renovations
TIE Project No 620-15005

DATE: January 10, 2017

This addendum forms part of the Contract Documents and is to be read, interpreted and coordinated with all other parts. The following items and prices shall be added to the tendered price for this project.

1. Refer to Specifications Volume 2 of 2, Scope of Work TP#4 – Interior Fit-Up
Modify the Scope of Work for TP #4 – Interior Fit-up as follows:

.1 Replace 3.2.1 with the following:
TP #4 - Interior Fit-up shall include all supervision, labour, materials and equipment required to provide a complete turn-key school, excluding only those items listed as **NIC** in this Scope of Work. All items specified on the bid documents must be supplied and installed c/w all additional flashings, fittings sealants, membranes, insulation, and other accessories as required to provide a complete, functional, and durable product that presents as a new school. The only items not included in the work of TP #4 - Interior Fit-up are those specifically listed as **NIC** in this Scope of work.

.2 Replace 3.5.3 with the following:
Glass view panes where specified in wood doors shall be supplied and installed with the doors as part of TP #6 - Aluminum Framed Windows, Doors & Glazing and are **NIC**.

.3 Replace 3.6.4 with the following:
TP #4 – Interior Fit-up shall supply (only) prefinished metal flat stock to TP #8 – Roofing for use in producing cap flashing at exterior wall parapets. The bending and installation of the roof cap flashing will be performed by TP #8 – Roofing and is **NIC**.

.4 Replace 3.8.19 with the following:
TP #4 - Interior Fit-up shall construct all rough carpentry related to roof top units installed by Mechanical and Electrical Trade Contractors. Mechanical and Electrical Contractors shall supply and install any prefabricated elements, pitch pockets, etc normally supplied with the specified roof top equipment. TP #4 – Interior Fit-up shall be responsible for supplying and installing all rough carpentry to complete roof curbs.

.5 Replace 3.9.4 with the following:
TP #14 – Flooring will be responsible for reviewing the floor slab and any walls to receive wall tile prior to commencing their work and will notify the CM of any trouble areas that require additional work. Any areas that are identified by TP #14 (and verified by the Consultant) as being unfit to accept flooring shall be made good by TP #4 – Interior Fit-up. (Extraordinary unforeseen conditions, if encountered, may be considered separately at the sole discretion of the Consultant & Owner.)

.6 Replace 3.12.7 with the following:
Temporary sound/dust isolation walls will be constructed by the Construction Manager at the interior edge of each defined construction area and are **NIC**. The Construction Manager will remove these temporary walls when they are no longer needed. Wherever possible the CM intends to utilize the existing walls at the perimeter of each space and provide minimum infills and temporary doors.

.7 Replace 3.12.9 with the following:
TP #4 - Interior Fit-up shall be responsible for providing temporary enclosures as required to minimize the transmission of sound, dust, etc for any work of TP #4 – Interior Fit-up that occurs in the occupied areas of the school, during the school year. "Occupied areas" in this instance refers to all areas outside of the defined work areas demised by the CM.

2. Refer to Spec Section 04 22 00, Concrete Unit Masonry

3.3.3 Delete reference to "Acoustical Concrete Unit Masonry".
3.9 Where new concrete block masonry infills existing openings or continues from existing walls, use straight joint, not toothed.

3. Refer to Spec Section 06 20 00, Finish Carpentry

2.8 Abet Laminati MEG 10 mm phenolic panel shall be considered equal for use in this work. Colour to be selected from wood range.

4. Refer to Spec Section 08 71 00, Door Hardware

Card Access and Power supplies by Div 10.
Hinges shall be as noted in following Schedule by McKinney
Exit devices shall be as noted in following Schedule by Sargent
Mortise cylinders shall be as noted in following Schedule by Sargent
Rim cylinders shall be as noted in following Schedule by Sargent
Locksets shall be as noted in following Schedule by Sargent
Magnetic holders shall be as noted in following Schedule by Sargent
Closers shall be as noted in following Schedule by Sargent
Deadlock shall be as noted in following Schedule by Sargent
Coordinator shall be as noted in following Schedule by Sargent
Switches shall be as noted in following Schedule by Camden Controls
Switching network shall be as noted in following Schedule by Camden Controls

Power operators shall be as noted in following Schedule by Nabco
Push plate shall be as noted in following Schedule by Standard Metal
Wall stop shall be as noted in following Schedule by Standard Metal
Kick plates shall be as noted in following Schedule by Standard Metal
Door pull shall be as noted in following Schedule by Standard Metal
Flush bolts shall be as noted in following Schedule by Standard Metal
Electric Strike shall be as noted in following Schedule by HES
Door viewer shall be as noted in following Schedule by Canaropa
Astragal shall be as noted in following Schedule by KN Crowder
Threshold shall be as noted in following Schedule by KN Crowder
Door sweep shall be as noted in following Schedule by KN Crowder
Automatic door bottom shall be as noted in following Schedule by KN Crowder
Weatherstrip shall be as noted in following Schedule by KN Crowder
Gasket shall be as noted in following Schedule by KN Crowder
Note: Door signage has been removed from this section and added to Signage, 10 14 00. Confirmation of type and size and quanity of cylinders to be confirmed to GC by Aluminum Supplier.

3.6 Replace Aluminum Door Hardware Packages with the following:

SET #HW01 (Doors: 200A)

3	Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW02 (Doors: 407B)

3	Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW03 (Doors: 201A)

2	Mortise Cylinder	21 41 28 MK VK	32D	CSA
1	Rim Cylinder	21 34 MK VK	32D	CSA

SET #HW04 (Doors: 201B)

2	Mortise Cylinder	21 41 28 MK VK	32D	CSA
1	Rim Cylinder	21 34 MK VK	32D	CSA

SET #HW05 (Doors: 216, 217, 221, 247A, 247B, 248A, 248B, 249A, 249B, 253, 254, 262, 263, 264, 268, 269, 270, 286)

3	Hinges	TA714 114 X 101	26D	CMC
1	Lockset	21 8205 LNJ MK VK	26D	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM
1	Weatherstrip	W-15 1 X 914, 2 X 2133	CA	CKN
1	Auto. Door Bottom	CT-50 914	CA	CKN

SET #HW06 (Doors: 203, 204, 205, 206, 210, 213, 229A, 245A, 245B, 252A, 252B, 283, 285, 297, 319A, 319B, 412, 413, 414, 415,416, 417, 514, 515C, 516, 522, 523, 531A, 532, 539B, 541, 542A, 554, 555, 559A, 559B, 562, 563C, 564, 565, 575, 576, 577, 578, 581, 582B, 586, 604, 605, 606, 607, 608, 612, 615)

3 Hinges	TA714 114 X 101	26D	CMC
1 Lockset	21 8205 LNJ MK VK	26D	CSA
1 Kick Plate	K10A 203 x 864	32D	CSM
1 Wall Stop	S120	26D	CSM

SET #HW07 (Doors: 202A, 202C, 257C, 282, 291, 315B, 411A, 411C, 500B, 521, 548, 553A, 570A, 600, 603A, 603C)

6 Hinges	TA714 114 X 101	26D	CMC
1 Exit Device	NB 8710 F	32D	CSA
1 Exit Device	21 NB 8713 F ETJ MK VK	32D	CSA
2 Magnetic Holder	1561	EN	CSA
2 Closer	351 P9	EN	CSA
2 Kick Plate	K10A 203 x 889	32D	CSM

SET #HW07A (Doors: 244A)

6 Hinges	TA714 114 X 101	26D	CMC
2 Push Plate	K11A-6 127 X 508	32D	CSM
2 Door Pull	2412	32D	CSM
1 Magnetic Holder	1562	EN	CSA
2 Magnetic Holder	1563	EN	CSA
2 Closer	351 O	EN	CSA
2 Kick Plate	K10A 203 x 889	32D	CSM

SET #HW07B (Doors: 244B)

6 Hinges	TA714 114 X 101	26D	CMC
2 Push Plate	K11A-6 127 X 508	32D	CSM
2 Door Pull	2412	32D	CSM
1 Magnetic Holder	1561	EN	CSA
2 Closer	351 O	EN	CSA
2 Kick Plate	K10A 203 x 889	32D	CSM

SET #HW08 (Doors: 110, 111, 140, 209, 215, 218, 225, 226, 229B, 238, 240A, 240B, 242, 243, 243.1, 251, 255, 256A, 256B, 258A, 272, 274, 278, 279A, 279B, 303, 304, 305, 306, 308, 309, 312, 321, 324, 325, 403, 404, 405, 408, 409, 410, 420, 503, 506, 508, 509, 510, 511, 513A, 513B, 515A, 515B, 524, 525, 526, 527, 528, 529, 530, 531B, 533, 534, 535, 536A, 536B, 539A, 542B, 543, 551, 556A, 556B, 557, 559B, 560, 561, 563A, 563B, 568A, 568B, 572, 573, 574, 582A, 583, 611)

3 Hinges	TA714 114 X 101	26D	CMC
1 Lockset	21 8205 LNJ MK VK	26D	CSA
1 Kick Plate	K10A 203 x 864	32D	CSM
1 Wall Stop	S120	26D	CSM

SET #HW09 (Doors: 144, 257B)

1 Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW10 (Doors: 120, 124, 241, 294, 295)

3	Hinges	TA714 114 X 101	26D	CMC
1	Privacy Set	8265 LNJ	26D	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW11 (Doors: 222, 223, 224, 234, 235, 236, 237, 265A, 265B, 266A, 266B, 267A, 267B, 273B)

3	Hinges	TA714 114 X 101	26D	CMC
1	Lockset	21 8205 LNJ MK VK	26D	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM
1	Weatherstrip	W-15 1 X 914, 2 X 2133	CA	CKN
1	Auto. Door Bottom	CT-50 914	CA	CKN

SET #HW12 (Doors: 100B, 239.1, MP-1, MP-2)

3	Hinges	TA714 114 X 101	26D	CMC
1	Lockset	21 8204 LNJ MK VK	26D	CSA
1	Closer	1431 RP9	EN	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW13 (Doors: 219A)

1	Rim Cylinder	21 34 MK VK	32D	CSA

SET #HW14 (Doors: 261B, 277, 280, 281)

6	Hinges	TA714 114 X 101	26D	CMC
2	Flushbolt	F65 UL 305	26D	CSM
1	Lockset	21 8204 LNJ MK VK	26D	CSA
1	Closer	1431 RP9	EN	CSA
2	Wall Stop	S120	26D	CSM

SET #HW14A (Doors: 126)

6	Hinges	TA714 114 X 101	26D	CMC
1	Flushbolt	F65 UL 305	26D	CSM
1	Deadlock	21 4877 MK VK	26D	CSA
1	Flush Pull	H403 73 X 91	26D	CSM
2	Kick Plate	K10A 203 x 889	32D	CSM

SET #HW15 (Doors: 219B, 232)

2	Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW16 (Doors: 103, 104, 105, 106, 107, 108, 113, 114, 115, 116, 128, 129, 289, 290, 547)

3	Hinges	TA714 114 X 101	26D	CMC
1	Push Plate	K11A-6 127 X 508	32D	CSM
1	Door Pull	2412	32D	CSM
1	Closer	351 P9	EN	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW17 (Doors: 101, 102)

3	Hinges	TA314 114 X 101 NRP	32D	CMC
1	Deadlock	21 4877 MK VK	26D	CSA
1	Privacy Set	8265 LNJ	26D	CSA
1	Closer	1431 RO	EN	CSA
1	Weatherstrip	W-20S 1 X 914, 2 X 2133	CA	CKN
1	Door Sweep	W-24S 914	CA	CKN
1	Threshold	CT-10 914	AL	CKN

SET #HW18 (Doors: 123, 507B)

3	Hinges	TA714 114 X 101	26D	CMC
1	Privacy Set	8265 LNJ	26D	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW19 (Doors: 250A)

2	Mortise Cylinder	41 28	32D	CSA

SET #HW20 (Doors: 301)

1	Rim Cylinder	21 34 MK VK	32D	CSA

SET #HW21 (Doors: 121C, 145B

6	Hinges	TA314 114 X 101 NRP	32D	CMC
1	Exit Device	8710 F	32D	CSA
2	Closer	1431 RP9	EN	CSA
1	Weatherstrip	W-20S 1 X 1828, 2 X 2133	CA	CKN
2	Door Sweep	W-24S 914	CA	CKN
1	Threshold	CT-10 914	AL	CKN

SET #HW22 (Doors: 501A, 501B)

3	Hinges	TA714 114 X 101	26D	CMC
1	Lockset	21 8205 LNJ MK VK	26D	CSA
1	Electric Strike	1006 KM-630	630	CHS
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM
2	Wall Switch	CM-40/2	32D	VA01
1	Switching Network	CX-33		MCCM
1	Power Operator	GT8500	C	VA01

SET #HW23 (Doors: 135B, 135C, 135D)

1	Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW24 (Doors: 134A, 134B, 136A, 307B, 318A)

1	Rim Cylinder	21 34 MK VK	32D	CSA

SET #HW25 (Doors: 257A)

3	Hinges	TA314 114 X 101 NRP	32D	CMC
1	Lockset	21 8204 LNJ MK VK	26D	CSA
1	Electric Strike	1006 KM-630	630	CHS
1	Closer	1431 RO	EN	CSA
1	Door Viewer	511	C26D	CCP
1	Weatherstrip	W-20S 1 X 914, 2 X 2133	CA	CKN
1	Door Sweep	W-24S 914	CA	CKN
1	Threshold	CT-10 914	AL	CKN

SET #HW27 (Doors: 142)

3	Hinges	TA314 114 X 101 NRP	32D	CMC
1	Lockset	21 8204 LNJ MK VK	26D	CSA
1	Closer	1431 RP9	EN	CSA
1	Wall Stop	S120	26D	CSM
1	Door Viewer	511	C26D	CCP
1	Weatherstrip	W-20S 1 X 914, 2 X 2133	CA	CKN
1	Door Sweep	W-24S 914	CA	CKN
1	Threshold	CT-10 914	AL	CKN

SET #HW28 (Doors: 329)

3	Hinges	TA714 114 X 101	26D	CMC
1	Lockset	21 8204 LNJ MK VK	26D	CSA
1	Electric Strike	1006 KM-630	630	CHS
1	Closer	1431 RO	EN	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW29 (Doors: 567A, 567B)

3	Hinges	TA714 114 X 101	26D	CMC
1	Exit Device	21 8813 F ETJ MK VK	32D	CSA
1	Closer	1431 RP9	EN	CSA
1	Kick Plate	K10A 203 x 889	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW29A (Doors: 007, 220B)

3	Hinges	TA714 114 X 101	26D	CMC
1	Exit Device	12 21 8813 F ETJ MK VK	32D	CSA
1	Closer	1431 RP9	EN	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW30 (Doors: 135A, 136B, 137, 220A, 231)

3	Hinges	TA714 114 X 101	26D	CMC
1	Lockset	21 8205 LNJ MK VK	26D	CSA
1	Closer	1431 RP9	EN	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW31 (Doors: 317, 323)

6 Hinges	TA714 114 X 101	26D	CMC
1 Flushbolt	F65 UL 305	26D	CSM
1 Lockset	21 8205 LNJ MK VK	26D	CSA
2 Kick Plate	K10A 203 x 889	32D	CSM
2 Wall Stop	S120	26D	CSM

SET #HW32 (Doors: 001)

2 Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW33 (Doors: 122)

3 Hinges	TA714 114 X 101	26D	CMC
1 Lockset	21 8205 LNJ MK VK	26D	CSA
1 Kick Plate	K10A 203 x 864	32D	CSM
1 Wall Stop	S120	26D	CSM

SET #HW33A (Doors: 119)

3 Hinges	TA714 114 X 101	26D	CMC
1 Lockset	21 8205 LNJ MK VK	26D	CSA
1 Electric Strike	1006 KM-630	630	CHS
1 Kick Plate	K10A 203 x 864	32D	CSM
1 Wall Stop	S120	26D	CSM

SET #HW35 (Doors: 202B, 411B, 500A, 553B, 570B, 603B)

6 Hinges	TA714 114 X 101	26D	CMC
1 Exit Device	12 NB 8710 F	32D	CSA
1 Exit Device	12 21 NB 8713 F ETJ MK VK	32D	CSA
2 Magnetic Holder	1561	EN	CSA
2 Closer	1431 RP9	EN	CSA
2 Kick Plate	K10A 203 x 889	32D	CSM
1 Gasket	W-22 6096	BLK	CKN

SET #HW36 (Doors: 121A, 121B)

2 Mortise Cylinder	21 41 28 MK VK	32D	CSA
1 Rim Cylinder	21 34 MK VK	32D	CSA

SET #HW37 (Doors: 315A, 406A)

Not Used

SET #HW38 (Doors: 558)

3 Hinges	TA714 114 X 101	26D	CMC
1 Lockset	21 8205 LNJ MK VK	26D	CSA
1 Closer	1431 RP9	EN	CSA
1 Kick Plate	K10A 203 x 864	32D	CSM
1 Wall Stop	S120	26D	CSM

SET #HW39 (Doors: 001, 100A, 200B, 314, 407A)

2 Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW40 (Doors: 100C)

6	Hinges	TA714 114 X 101	26D	CMC
1	Exit Device	21 AL NB 8710 F MK VK	32D	CSA
1	Exit Device	21 AL NB 8713 F ETJ MK VK	32D	CSA
2	Magnetic Holder	1561	EN	CSA
2	Closer	1431 RP9	EN	CSA
2	Kick Plate	K10A 203 x 889	32D	CSM

SET #HW41 (Doors: 109, 125)

1	Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW42 (Doors: 112, 117, 118, 130, 146, 147, 207, 208, 229.1, 230A, 230B, 284, 287.1, 287.2, 288, 307A, 313, 320, 326, 421,422, 517, 519, 540, 549, 550, 579, 580, 609, 610)

3	Hinges	TA714 114 X 101	26D	CMC
1	Lockset	21 8204 LNJ MK VK	26D	CSA
1	Closer	1431 RP9	EN	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW43 (Doors: 127)

3	Hinges	TA714 114 X 101	26D	CMC
1	Lockset	21 8205 LNJ MK VK	26D	CSA
1	Wall Stop	S120	26D	CSM

SET #HW44 (Doors: 132A, 132B, 406B)

Not Used

SET #HW45 (Doors: 214, 227, 228, 233, 275, 276, 311, 331, 402, 505, 507A, 512, 518, 545, 546, 571)

3	Hinges	TA714 114 X 101	26D	CMC
1	Privacy Set	8265 LNJ	26D	CSA
1	Closer	1431 RP9	EN	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW46 (Doors: 239)

3	Hinges	TA714 114 X 101	26D	CMC
1	Exit Device	21 8804 F ETJ MK VK	32D	CSA
1	Closer	1431 RP9	EN	CSA
1	Kick Plate	K10A 203 x 864	32D	CSM
1	Wall Stop	S120	26D	CSM

SET #HW48 (Doors: 250B)

1	Mortise Cylinder	21 41 28 MK VK	32D	CSA

SET #HW49 (Doors: 258B, 260B, 261A, 296B)

6	Hinges	TA714 114 X 101	26D	CMC
2	Flushbolt	F65 UL 305	26D	CSM
1	Lockset	21 8205 LNJ MK VK	26D	CSA
2	Wall Stop	S120	26D	CSM

SET #HW50 (Doors: 260A, 273A, 296A)

6	Hinges	TA714 114 X 101	26D	CMC
2	Flushbolt	F65 UL 305	26D	CSM
1	Lockset	21 8205 LNJ MK VK	26D	CSA
2	Kick Plate	K10A 203 x 889	32D	CSM
1	Weatherstrip	W-15 1 X 1828, 2 X 2133	CA	CKN
2	Auto. Door Bottom	CT-50 914	CA	CKN

SET #HW51 (Doors: 292A, 292B)

6	Hinges	TA714 114 X 101	26D	CMC
1	Exit Device	NB 8710 F	32D	CSA
1	Exit Device	21 NB 8713 F ETJ MK VK	32D	CSA
2	Closer	351 P9	EN	CSA
2	Kick Plate	K10A 203 x 889	32D	CSM
1	Weatherstrip	W-15 1 X 1828, 2 X 2133	CA	CKN
1	Set Astragal	W-25 2134	CA	CKN
2	Auto. Door Bottom	CT-50 914	CA	CKN

SET #HW54 (Doors: 318B)

3	Hinges	TA314 114 X 101 NRP	32D	CMC
1	Exit Device	21 8813 F ETJ MK VK	32D	CSA
1	Closer	1431 RP9	EN	CSA
1	Wall Stop	S120	26D	CSM
1	Weatherstrip	W-20S 1 X 914, 2 X 2133	CA	CKN
1	Door Sweep	W-24S 914	CA	CKN
1	Threshold	CT-10 914	AL	CKN

SET #HW55 (Doors: 145A)

6	Hinges	TA714 114 X 101	26D	CMC
1	Combo Flushbolt	F73MD	26D	CSM
1	Lockset	21 8204 LNJ MK VK	26D	CSA
1	Coordinator	3487	26D	CSA
2	Closer	1431 RP9	EN	CSA
2	Wall Stop	S120	26D	CSM
1	Gasket	W-22 6096	BLK	CKN
1	Set Astragal	W-25 2134	CA	CKN

5. Refer to Spec Section 10 14 00, Signage

.1 Supply the following on-door signage:

.1 WR 101, 102, 105, 106, 114, 115, 214, 227, 228, 233, 275, 276, 311, 331, 402, 505, 507A, 512, 518, 545, 546, 571 (unisex, barrier-free)

Provide 152 x 228 x 3 injection molded plastic Unisex Accessible restroom sign, similar to S-15599 by Uline.

.2 WR 108, 128, 290 (male, barrier-free)

Provide 152 x 228 x 3 injection molded plastic Men's Accessible restroom sign, similar to S-15597 by Uline.

.3 WR 103, 129, 289 (female, barrier-free)

Provide 152 x 228 x 3 injection molded plastic Women's Accessible restroom sign, similar to S-15598 by Uline.

.4 WR 120, 124, 241 (unisex, non-barrier-free)

Provide 152 x 228 x 3 injection molded plastic Unisex restroom sign, similar to S-14806 by Uline.

.2 Provide and install 'male/female' half symbols at each end of privacy screen walls at each Washroom pair (between WR 211/212, between WR 418/419, between WR 584/585 and between WR 613/614). Graphic to be 19 mm cut MDF, painted with rounded edge. Attach to wall with secure, concealed fasteners. Refer to the Attached ASK-11, Washroom Graphic.

6. Refer to Drawing A2, Level 1B, Partial Demolition Plan

.1 Delete Note 137 from Cafeteria Stage. Replace with "Note 150: Front 1650 mm of the existing stage to be removed. This includes the existing under-stage access doors, stage flooring and wood stud support framing under stage."

.2

7. Refer to Drawing A12, Level 2A, Partial Floor Plan

.1 Delete "New Masonry Wall" note on wall between Classrooms 577 and 578.

8. Refer to Drawing A34, Stage

.1 Refer to Drawing A2, Demolition for dashed line indicating front 1650 mm of the existing stage to be removed. This includes the existing under-stage access doors, stage flooring and wood stud support framing under stage. New Stage front is to be constructed as per Drawing A34.

9. Refer to Drawing A44, Door Schedule

.1 Door types C, N, O and V shall have half lites measuring 610 x 812 (152 in and 152 down).

.2 Door types D and X shall have vision lites measuring 152 x 812 (152 in and 152 down).

.3 The transom panel on Door type P varies in height and shall be confirmed on site prior to fabrication. Assume panel height of 610 mm.

10. Refer to Drawing A45, Finish Schedule

.1 Delete WA-6 (New brick to match existing).

11. Refer to Specification Section 23 05 00

.1 Par. 2.25 Change:
Delete this section in its entirety.

.2 Par. 2.26 Change:
Replace specification with the following:

.1 RH-1 (Culinary Arts Lab 323)
GE Model ZV850SPSS Island Hood
Capacity 350 cfm, 36" width, 4 speed
Electrics 3.74 amps, 120V, 1 Ph
Unit to be complete with 200mm dia. duct up to roof exhaust gooseneck and ceiling extension if required to accommodate finished ceiling and mounting height.

.2 RH-2 (Culinary Arts Lab 323 – Staff Kitchen 544)
GE Model JV348LSSC Range Hood
Capacity 400 cfm, 30" width, 3 speed
Electrics 2.5 amps, 120V, 1 Ph
Unit to be complete with rectangular duct installation kit in Room 323 and non-ducted kit for recirculation in Room 544.

.3 Par. 2.30.9.2 Change:
Humidifier H-9 Distribution System shall be XTR Steam Blower Model SDU-003E mounted directly on top of humidifier.

.4 Par. 2.36.5.3 Clarification:
Drain pans shall be insulated double wall galvanized construction.

.5 Par. 2.36.10.1 Clarification:
Filters shall be 50mm (2 in.) MERV 13. Provide all units c/w two (2) complete sets of filters.

12. Refer to Specification Section 25 05 01

.1 Par. 3.02.15.9 Addition:
Building EMCS system to provide the following data to the Biomass system through Modbus interface:

- HWS setpoint
- HWS actual temperature
- Hot water Boiler No. 1 & 2 firing status

13. Refer to Drawing M-15

.1 Humidifier H-9 Change:
Revise Humidifier H-9 system arrangement per attached sketch MSK-04.

14. Refer to Drawing M-36

.1 Detail 6 Clarification:
All Type 'A' radiation sections shall be provided c/w balancing valve on return side, similar to arrangement shown on Detail 5.

15. Acceptable Products

The following manufacturers are accepted as suppliers of the items listed. In each case it is the responsibility of the manufacturer to select specific products that meet the specifications in all significant respects. Products offered will be subject for review and acceptance at the shop drawing stage. Contractors are to satisfy themselves that products offered meet the specifications and fit in the available space as no extra charge will be considered if they are later found to be unsuitable.

23 05 00	2.16.7	ERV	Aldes
23 05 00	2.28	HP-1 & HP-2	Trane
23 05 00	2.29	HP-3 & HP-4	Trane
23 05 00	2.37	Heating Coils	Ref-Plus

16. Refer to Spec Section 26 09 36, Lighting Control Modular Dimming Control:

.1 Paragraph 2.1 - Manufacturers
.1 The following system will be considered as an alternate to the specified product.
.1 Creston "infiNET Ex" system.
.2 Creston "Zūm" system.

17. Refer to Spec Section 26 24 20, Surge Protection:

.1 Paragraph 1.10 - Submittals
.1 Sentence .2 – Documentation
.1 The following is an alternate to the specified product – Eaton #SPD-300-600Y-3-O.

18. Refer to Spec Section 26 29 10, Motor Starters to 600V:

.1 Paragraph 2.4 – Variable Frequency Drive
.1 The following system will be considered as an equal to the specified product.
.1 Eaton "SVX9000" series variable frequency drives.

19. Reference Section 26 50 00, Lighting:

.1 Paragraph 2.3 - Approved Equals:

Type "A"	PHILIPS #4224-D1-ST-L-8B-D-S-7-1-E
Type "A1"	PHILIPS #4214-D1-ST-L-8B-D-S-7-1-E
Type "A2"	PHILIPS #4222-D1-ST-L-8B-E-S-7-1-E
Type "A3"	PHILIPS #4224-D1-ST-L-8B-C-S-7-1-E
Type "A4"	PHILIPS #4224-D1-ST-L-8B-C-S-7-1-E
Type "B1"	PINNACLE #EV6A-CL35K450-2-G1-UNV-1D-W
Type "B2"	PINNACLE #EV6A-CL35K450-4-G1-UNV-1D-W
Type "B3"	PINNACLE #EV6A-CL35K450-8-G1-UNV-1D-W
Type "B4"	PINNACLE #EV6A-CL35K450-10-G1-UNV-1D-W
Type "B5"	PINNACLE #EV6A-CL35K450-12-G1-UNV-1D-W
Type "B6"	PINNACLE #EV6A-CL35K450-16-G1-UNV-1D-W

Type "B7"	PINNACLE #EV6A-CL35K450-20-G1-UNV-1D-W
Type "BB"	PINNACLE #EV3A-CL35450-4-G1-UNV-1D-W
Type "BB1"	PINNACLE #EV3A-CL35450-8-G1-UNV-1D-W
Type "BB2"	PINNACLE #EV3A-CL35450-10-G1-UNV-1D-W
Type "BB3"	PINNACLE #EV3A-CL35450-16-G1-UNV-1D-W
Type "BP2"	PINNACLE #EVL-CL35K450-4-FL-UNV-1D-W
Type "BP3"	PINNACLE #EVL-CL35K450-8-FL-UNV-1D-W
Type "BP4"	PINNACLE #EVL-CL35K450-10-FL-UNV-1D-W
Type "BS1"	PINNACLE #EX3AN-CL35450-4-AC48G1-UNV-1D-W
Type "BS2"	PINNACLE #EX3AN-CL35450-8-AC48G1-UNV-1D-W
Type "BS3"	PINNACLE #EX3AN-CL35450-10-AC48G1-UNV-1D-W
Type "C"	PHILIPS #C6RN-C6L15835M-Z10-U-C6RDLCC
Type "C1"	PHILIPS #C6RN-C6L20835M-Z10-U-C6RDLCC
Type "C2"	PHILIPS #C6RN-C6L35835M-Z10-U-C6RDLCC
Type "C3"	PHILIPS #CP5RB08840W-CP5RN
Type "D"	PHILIPS #1TG32L-835-4-FS02F-UNV-DIM
Type "D1"	PHILIPS #2TG43L-835-4-FS02F-UNV-DIM
Type "E"	PHILIPS #SF4-C-38A-35-U-SZT-OC
Type "F"	PHILIPS #LF4FR3935-U-DZT
Type "G"	PHILIPS #DWAE43L-835-4-UNV
Type "H"	PHILIPS #G16L-WD-4-20L-UV-835-WG-C6
Type "J"	PHILIPS #S7R835K-10-W-Z10U
Type "K"	PHILIPS AS SPECIFIED
Type "L"	PHILIPS #ECF-DIM-WS-3-105LA321A-NW-347-BLP
Type "L1"	PHILIPS #ECF-DIM-WS-3-55LA3253-NW-347-BLP
Type "M"	SPECTRUM #WJ1LEDGV14W-50K-DS101-PJ3-WG1-CP106-GW
Type "N"	PHILIPS #EWCOVEMXPOWERCORE 1'
Type "N1"	PHILIPS #EWCOVEMXPOWERCORE 4'
Type "P"	PHILIPS #ECF-APD-MRO-1-3-160LA481A-NW-347-BLP
Type "Q"	NORA #NPDE22-38W-35-A-NPD-PK
Type "Q1"	NORA #NPDE14-38W-35-A-NPD-PK
Type "R"	BEGA #77-669-BRZ
Type "T"	NORA #NTE842L30-F-35-S

20. Refer to Spec Section 28 31 02, Multiplex Fire Alarm System:

.1 Paragraph 2.3 – Control Panel

.1 The following system will be considered as an equal to the specified product.

.1 Siemens "PRO" network type fire alarm system.

.2 Mircom "Flex-Net" network type fire alarm system.

.3 Any system considered "equal" must include the replacement of an existing fire alarm panel as well as a remote annunciator that were to be reused. Any connections or wiring different from the specified product is the responsibility of the contractor and supplier and no extras will be entertained. In addition all devices in the CTEC building will be replaced with new to match the proposed system. The list of existing devices in the CTEC Building to be replaced can be found in the March 15, 2016 Inspection and Test Report found at end of this addendum.

21. Refer to Drawing E4, Partial Level 1A Lighting Plan:

.1 Plan 1/E4 - Partial Level 1A Lighting Plan

.1 The trophy case along exterior wall in Corridor 201 shall be two separate cabinets. Refer to Architectural Drawing A9 for details. Show one (1) Type N and and one (1) Type N1 light fixture for each cabinet.

.2 For all trophy cabinets in Corridor 201 (total of 3) there will be an upper run and and a lower run of the Type N and N1 light fixtures, therefore, there will be double the amount shown on the plans.

22. Refer to Drawing E10, Partial Level 1A Power & Communications Plan:

.1 Plan 1/E10 - Partial Level 1A Power & Communications Plan

.1 In Corridor 201 between the trophy cabinets on the exterior wall install a duplex receptacle wired to circuit P5-42 as well as a communications outlet with 1 data drop.

23. Refer to Drawing E16, Partial Level 1A Systems Plan:

.1 Plan 1/E16 - Partial Level 1A Systems Plan

.1 Add a smoke detector in the following rooms - Public Washroom 103, Change Room 104, Shower/Washroom 105, Shower/Washroom 106, Change Room 107, Public Washroom 108, Change Room 113, Shower/Washroom 114, Shower/Washroom 115, Change Room 116, Washroom 128, Washroom 129, Female Washroom 211, Male Washroom 212.

24. Reference Drawing E18, Partial Level 1C Systems Plan:

.1 Plan 1/E18 - Partial Level 1C Systems Plan

.1 Add a smoke detector in the following rooms – Female Washroom 289, Male Washroom 290, Washroom 331, Female Washroom 418, Male Washroom 419.

25. Refer to Drawing E19, Partial Level 2A Systems Plan:

.1 Plan 1/E19 - Partial Level 2A Systems Plan

.1 Add a smoke detector in the following rooms – Female Washroom 584, Male Washroom 585.

26. Refer to Drawing E21, Partial Level 2C Systems Plan:

.1 Plan 1/E21 - Partial Level 2C Systems Plan

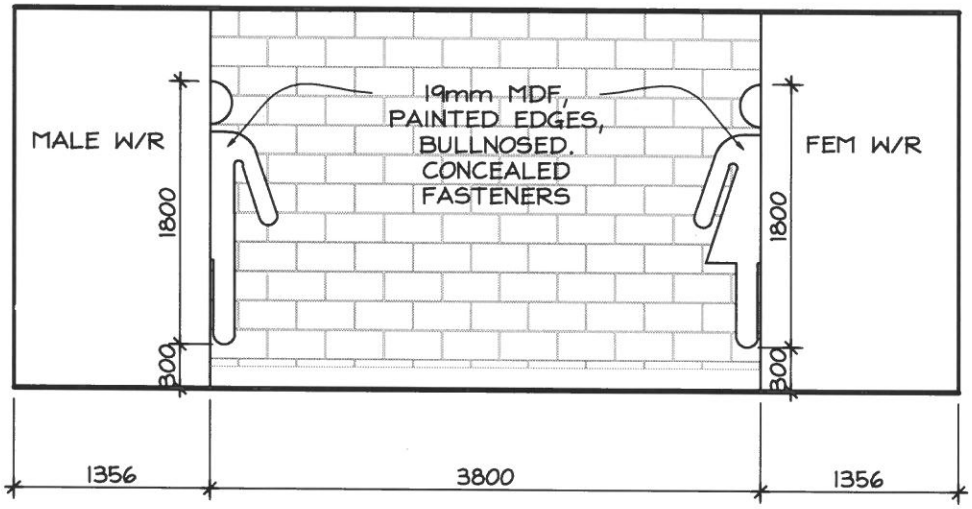
.1 Add a smoke detector in the following rooms – Special Needs Washroom 505, Washroom 512, Washroom 518, Female Washroom 613, Male Washroom 614.

27. Refer to Drawing E28, Fire Alarm Riser Diagram:

.1 Detail 1/E28 – Fire Alarm Riser Diagram

.1 Add the following smoke detectors to the riser - Public Washroom 103, Change Room 104, Shower/Washroom 105, Shower/Washroom 106, Change Room 107, Public Washroom 108, Change Room 113, Shower/Washroom 114, Shower/Washroom 115, Change Room 116, Washroom 128, Washroom 129, Female Washroom 211, Male Washroom 212, Female Washroom 289, Male Washroom 290, Washroom 331, Female Washroom 418, Male Washroom 419, Female Washroom 584, Male Washroom 585, Special Needs Washroom 505, Washroom 512, Washroom 518, Female Washroom 613, Male Washroom 614.

.2 Refer to the Welding Shop Fire Alarm Panel and note 6. The list of existing devices in the Welding Shop Building to be replaced can be found in the March 15, 2016 Inspection and Test Report found at end of this addendum.



ELEVATION

SCALE : 1 : 50

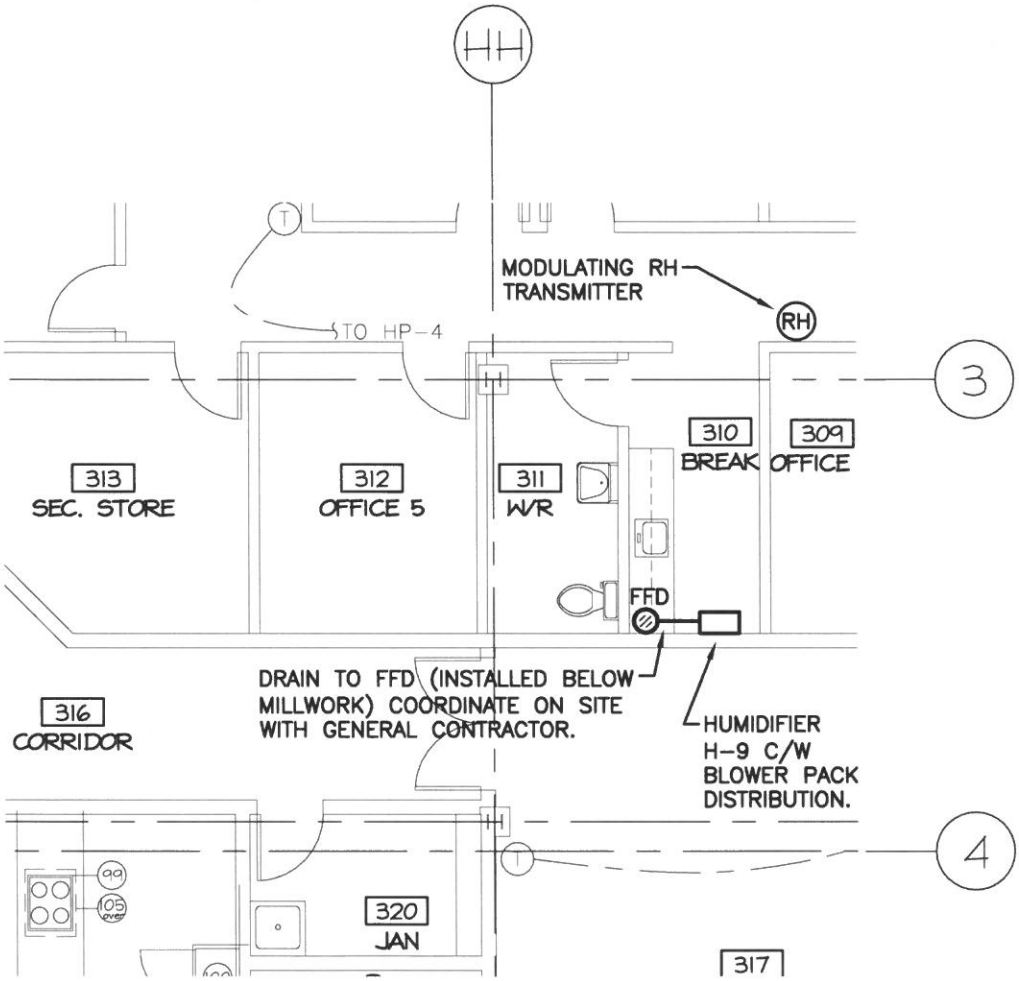
ASK-11

Project : THREE OAKS SR HIGH SCHOOL RENOVATION
TIE #620-15005

Sheet Title :
WASHROOM GRAPHIC

Scale	AS NOTED
Date	NOV 29, 2016
Drn BY	AJW
Job No.	WWC16-013ASK11

CHANDLER
ARCHITECTURE
DESIGN MATTERS
92 Queen Street PO Box 650 Charlottetown
Prince Edward Island, Canada C1A 7L1
Tel: 902 628 6656
Fax: 902 566 9214 www.chandlerarchitecture.ca



Project	THREE OAKS SENIOR HIGH SCHOOL RENO PROJECT		
MCA CONSULTANTS INC ENGINEERS - PROJECT MANAGEMENT 902.566.9223 info@mcaconsultants.ca www.mcaconsultants.ca	Drawing Title HUMIDIFIER H-9 MODIFICATIONS	Scale	1:100
		Date	JAN. 09, 2017
		Chk'd By	NFS
	Project No. 15-259	Sheet No.	MSK-04

FIRST SIGNAL FIRE ALARM INC.

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

CANADIAN FIRE ALARM ASSOCIATION CFAA
MEMBER

FIRE ALARM SYSTEM INSPECTION AND TEST REPORT

(Ref.: CAN/ULC-S536/04 & NFPA 101 Life Safety Code)

CUSTOMER: ENGLISH LANGUAGE SCHOOL BOARD OF PEI	DATE: MARCH 15, 2016
BILLING ADDRESS: 274 Mac EWEN ROAD	SITE: TOSH CTEC
CITY: SUMMERSIDE PROVINCE: PE	ADDRESS: 274 Mac EWEN ROAD
POSTAL CODE: C1N 2P7 TELEPHONE: (902) 888-8400	SUMMERSIDE, PE, C1N 2P7
CONTACT: FRED HORRELT	JOB#: 1207JUN

SYSTEM MANUFACTURER: NOTIFIER ☑ SINGLE STAGE OPERATION

MODEL #: NFS-320C ☐ 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-S536/04, 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: _____

☑ A copy of this report will be given to FRED HORRELT who is the

☐ Owner or ☑ Owner's representative for this building.

FIRE ALARM DOCUMENTATION

(Ref.: CAN/ULC-S536/04 & NFPA 101 Life Safety Code)

☑ Yes ☐ No The fire alarm system has all required documentation.

Wayne J. Gallant	20-94413	
Primary Technician Conducting Test	CFAA Number	Primary Technician Signature
Technician Conducting Test	CFAA Number	Technician Signature

FIRST SIGNAL FIRE ALARM INC.

CANADIAN FIRE ALARM ASSOCIATION CFAA MEMBER

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

✓	Power "ON" visual indicator
✓	Common visual trouble signal
✓	Common audible trouble signal
✓	Trouble Signal Silence switch
✓	Main power supply failure trouble signal
✓	Ground fault tested on positive and negative trouble signal
✓	Alarm signal operation
N/A	Automatic transfer from alert signal to alarm signal
✓	Acknowledge switch operation
	Alarm signal switch inhibit
✓	Alarm signal silence operation
✓	Alarm signal silence visual indication
✓	Alarm signal silence automatic cut-out timer
✓	Input circuit trouble operation
✓	Alarm signal, when silenced, automatically reinitiate upon subsequent alarm
✓	Input circuit, alarm and supervisory operation, including visual indicator
✓	Output circuit alarm operation
✓	Output circuit trouble operation
✓	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
✓	Input circuit to output circuit operation, including ancillary device circuits, for correct matrix operation, as per design and specifications
✓	Reset operation
✓	Main power supply to emergency power supply transfer
✓	Data Communication Link (DCL) supervision and operation
✓	Control unit interconnection to monitoring station
✓	Name of monitoring station: ARMSTRONG 1-800-561-5433 #0101-2158

POWER SUPPLY INSPECTION

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

VOICE COMMUNICATION TEST

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

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

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

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

FIRST SIGNAL FIRE ALARM INC.

CANADIAN FIRE ALARM ASSOCIATION CFAA MEMBER

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

✓	Correct battery type as recommended by manufacturer Battery Size: 2 X12Vdc @ 18Ah
✓	Correct rating as determined by calculations based on full system load
✓	Battery voltage (with main power supply 'ON') 27.87 Vdc
✓	Battery Voltage (with main power supply 'OFF' and fire alarm in supervisory condition) 25.62 Vdc
✓	Battery Current (with main power supply 'OFF' and fire alarm in supervisory condition) 580 ma
✓	Battery Voltage (with main power supply 'OFF' and fire alarm in full load condition) 24.77 Vdc
✓	Battery Current (with main power supply 'OFF' and fire alarm in full load condition) 2275 ma
✓	Charging current 1950 ma
✓	Inspected for physical damage
✓	Terminals cleaned and lubricated
✓	Terminals clamped tightly
N/A	Correct electrolyte level
N/A	Specific gravity of electrolyte within manufacturer's specifications
✓	Check for electrolyte leaks
✓	Adequately ventilation
✓	Within manufacturer's rated life date code
✓	Disconnection causes trouble signal
✓	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

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

SEQUENTIAL DISPLAY TEST & INSPECTION

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

FIRST SIGNAL FIRE ALARM INC.

CANADIAN FIRE ALARM ASSOCIATION CFAA MEMBER

DEVICE TESTING – LEGEND AND NOTES

(Ref.: CAN/ULC-S536/04 & NFPA 101 Life Safety Code)

DEVICE	DESCRIPTION	TYPE	MODEL NO.
M	Manual Pull Station (Addressable)	NOTIFIER	NBG-12LX
RHT	Heat Detector, Rate of Rise 135° (Addressable)	NOTIFIER	FST-851RA
FHT	Heat Detector, Fixed 197°	NOTIFIER	FST-851A
S(I)	Smoke Detector Type Ionization		
S(P)	Smoke Detector Type Photoelectric Acclimate	NOTIFIER	FAPT-851A
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		
V	Visual Signal Appliance		
MH	Mini-Horn		
AV	Horn Strobe	SYSTEM SENSOR	P2WA-B/PC2WA
SP	Cone Type Loudspeaker		
HSP	Horn Type Loudspeaker		
ET	Emergency Telephone		
AD	Ancillary Devices	NOTIFIER	FRM-1A
SFD	Supporting Field Device (Monitor)		
EM	Fault Isolation Module		
EOLR	End of Line Device	NOTIFIER	EOL-CW

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

ANCILLARY DEVICE CIRCUIT TEST

(Ref.: CAN/ULC-S536/04 & NFPA 101 Life Safety Code)

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

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

FIRST SIGNAL FIRE ALARM INC.

CANADIAN FIRE ALARM ASSOCIATION CFAA MEMBER

FIRE ALARM DEVICE TEST AND INSPECTION REPORT
BUILDING LOCATION: TOSH CTEC
DATE: MARCH 15, 2016

LOCATION	DEVICE	A	B	C	D	E	F	REMARKS
1st Floor Main Entrance	M	✓		✓	✓	1M001		
1st Floor Sprinkler Flow	FS	✓		✓	✓	1M002		
1st Floor Sprinkler Valve	TS	✓		✓	✓	1M003		
2nd Floor Sprinkler Flow	FS	✓		✓	✓	1M004		
2nd Floor Sprinkler Valve	TS	✓		✓	✓	1M005		
1st Floor Backflow System Side	TS	✓		✓	✓	1M006		
1st Floor Backflow City Side	TS	✓		✓	✓	1M007		
1st Floor Boiler Room Exit	M	✓		✓	✓	1M008		
1st Floor Robotics Lab Exit	M	✓		✓	✓	1M009		
1st Floor Aerospace Exit	M	✓		✓	✓	1M010		
1st Floor Carpentry Shop Exit	M	✓		✓	✓	1M011		
1st Floor Auto Shop Exit	M	✓		✓	✓	1M012		
2nd Floor Exit to Auto Shop	M	✓		✓	✓	1M013		
2nd Floor Stairwell Exit	M	✓		✓	✓	1M014		
Building Control Equipment Shutdown Relay	AD	✓		✓	✓	1M015		
1st Floor Hallway to Stairs Exit	M	✓		✓	✓	1M016		
1st Floor Sprinkler Room	S(P)	✓		✓	✓	1D001		
1st Floor Custodian Room	S(P)	✓		✓	✓	1D002		
1st Floor Copy/Storage Room	S(P)	✓		✓	✓	1D003		
1st Floor Shop Storage Room #130	S(P)	✓		✓	✓	1D005		
1st Floor Shop Storage Room #131	S(P)	✓		✓	✓	1D006		
1st Floor Janitor room	S(P)	✓		✓	✓	1D007		
1st Floor Storage Room #116	S(P)	✓		✓	✓	1D008		
1st Floor Boiler Room	FHT	✓		✓	✓	1D009		
1st Floor Electrical Room	S(P)	✓		✓	✓	1D010		
1st Floor Lathe Storage Room	S(P)	✓		✓	✓	1D011		
1st Floor Welding/Grind Storage Room	S(P)	✓		✓	✓	1D012		

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

FIRST SIGNAL FIRE ALARM INC.

MEMBER

FIRE ALARM DEVICE TEST AND INSPECTION REPORT
BUILDING LOCATION: TOSH CTEC
DATE: MARCH 15, 2016

LOCATION	DEVICE	A	B	C	D	E	F	REMARKS
1st Floor Tools Storage Room	S(P)	✓		✓	✓	1D013		
2nd Floor Storage Room	S(P)	✓		✓	✓	1D014		
2nd Floor Lan Room	S(P)	✓		✓	✓	1D015		
2nd Floor Fan Room	RHT	✓		✓	✓	1D016		
HRV Supply Duct Smoke	DS	✓		✓	✓	1D017		
2nd Floor Electrical Room	S(P)	✓		✓	✓	1D018		
2nd Floor Top of Stairwell	S(P)	✓		✓	✓	1D019		
1st Floor Boiler Room	HV	✓		✓	✓	NAC #1		
1st Floor Corridor by Washrooms	HV	✓		✓	✓	NAC #2		
1st Floor Locker Area	HV	✓		✓	✓	NAC #2		Ceiling Mounted
1st Floor Corridor by Stair	HV	✓		✓	✓	NAC #2		
1st Floor Locker Area by MVR	HV	✓		✓	✓	NAC #2		Ceiling Mounted
1st Floor MVR North	HV	✓		✓	✓	NAC #1		
1st Floor MVR South	HV	✓		✓	✓	NAC #1		
1st Floor MVR West	HV	✓		✓	✓	NAC #1		
1st Floor MVR East	HV	✓		✓	✓	NAC #1		
1st Floor Carpentry Shop North	HV	✓		✓	✓	NAC #1		
1st Floor Carpentry Shop South	HV	✓		✓	✓	NAC #1		
1st Floor Areospace North	HV	✓		✓	✓	NAC #1		
1st Floor Areospace South	AV	✓		✓	✓	NAC #1		
2nd Floor Corridor	AV	✓		✓	✓	NAC #2		
2nd Floor Fan Room	AV	✓		✓	✓	NAC #2		
1st Floor Sprinkler Flow Bell	B6	✓				NAC #3		

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

FIRST SIGNAL FIRE ALARM INC.

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

CANADIAN FIRE ALARM ASSOCIATION CFAA
MEMBER

FIRE ALARM SYSTEM INSPECTION AND TEST REPORT

(Ref.: CAN/ULC-S536/04 & NFPA 101 Life Safety Code)

CUSTOMER: ENGLISH LANGUAGE SCHOOL BOARD OF PEI	DATE: MARCH 15, 2016
BILLING ADDRESS: 274 Mac EWEN ROAD	SITE: WELDING SHOP / MAINTENANCE
CITY: SUMMERSIDE PROVINCE: PE	ADDRESS: 274 Mac EWEN ROAD
POSTAL CODE: C1N 2P7 TELEPHONE: (902) 888-8400	SUMMERSIDE, PE, C1N 2P7
CONTACT: FRED HORRELT	JOB#: 0903JUL

SYSTEM MANUFACTURER: SIEMENS

MODEL #: FS250

☑ SINGLE STAGE OPERATION

☐ 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-S536/04, 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 - Fire Alarm Batteries failed and were replaced (2 x 12Vdc @ 12Ah).

☑ A copy of this report will be given to FRED HORRELT who is the

☐ Owner or ☑ Owner's representative for this building.

FIRE ALARM DOCUMENTATION

(Ref.: CAN/ULC-S536/04 & NFPA 101 Life Safety Code)

☑ Yes ☐ No The fire alarm system has all required documentation.

Wayne J. Gallant	20-94413	
Primary Technician Conducting Test	CFAA Number	Primary Technician Signature
Technician Conducting Test	CFAA Number	Technician Signature

FIRST SIGNAL FIRE ALARM INC.

CANADIAN FIRE ALARM ASSOCIATION CFAA MEMBER

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

✓	Power "ON" visual indicator
✓	Common visual trouble signal
✓	Common audible trouble signal
✓	Trouble Signal Silence switch
✓	Main power supply failure trouble signal
✓	Ground fault tested on positive and negative trouble signal
✓	Alarm signal operation
N/A	Automatic transfer from alert signal to alarm signal
✓	Acknowledge switch operation
N/A	Alarm signal switch inhibit
✓	Alarm signal silence operation
✓	Alarm signal silence visual indication
✓	Alarm signal silence automatic cut-out timer
✓	Input circuit trouble operation
✓	Alarm signal, when silenced, automatically reinitiate upon subsequent alarm
✓	Input circuit, alarm and supervisory operation, including visual indicator
✓	Output circuit alarm operation
✓	Output circuit trouble operation
✓	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
✓	Input circuit to output circuit operation, including ancillary device circuits, for correct matrix operation, as per design and specifications
✓	Reset operation
✓	Main power supply to emergency power supply transfer
✓	Data Communication Link (DCL) supervision and operation
✓	Control unit interconnection to monitoring station
✓	Name of monitoring station: ARMSTRONG 1-800-561-5433 #0101-1182

POWER SUPPLY INSPECTION

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

VOICE COMMUNICATION TEST

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

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

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

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

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X - NO (Did Not Test Correctly)

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

EMERGENCY POWER SUPPLY TEST & INSPECTION

✓	Correct battery type as recommended by manufacturer Battery Size: 2 X12Vdc @ 12Ah (2016)
✓	Correct rating as determined by calculations based on full system load
✓	Battery voltage (with main power supply 'ON') 27.74 Vdc
✓	Battery Voltage (with main power supply 'OFF' and fire alarm in supervisory condition) 26.53 Vdc
✓	Battery Current (with main power supply 'OFF' and fire alarm in supervisory condition) 280 ma
X	Battery Voltage (with main power supply 'OFF' and fire alarm in full load condition) 22.30 Vdc
✓	Battery Current (with main power supply 'OFF' and fire alarm in full load condition) 700 ma
✓	Charging current 690 ma
✓	Inspected for physical damage
✓	Terminals cleaned and lubricated
✓	Terminals clamped tightly
N/A	Correct electrolyte level
N/A	Specific gravity of electrolyte within manufacturer's specifications
✓	Check for electrolyte leaks
✓	Adequately ventilation
✓	Within manufacturer's rated life date code **(Aug. 2012)**
✓	Disconnection causes trouble signal
✓	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

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

SEQUENTIAL DISPLAY TEST & INSPECTION

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

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DEVICE TESTING – LEGEND AND NOTES

(Ref.: CAN/ULC-S536/04 & NFPA 101 Life Safety Code)

DEVICE	DESCRIPTION	TYPE	MODEL NO.
M	Manual Pull Station (Addressable)	SIEMENS	SMS-S
RHT	Heat Detector, Rate of Rise 135° (Addressable)	SIEMENS	SFPT-11
FHT	Heat Detector, Fixed 197°		
S(I)	Smoke Detector Type Ionization		
S(P)	Smoke Detector Type Photoelectric (Addressable)	SIEMENS	SFPO-11
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		
B10	Bell – 10 inch		
H	Horn		
V	Visual Signal Appliance		
MH	Mini-Horn		
AV	Horn Strobe	SIEMENS	CU-MHU-MCS
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-S536/04 & NFPA 101 Life Safety Code)

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

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

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CANADIAN FIRE ALARM ASSOCIATION CFAA MEMBER

FIRE ALARM DEVICE TEST AND INSPECTION REPORT
BUILDING LOCATION: WELDING SHOP / MAINTENANCE BUILDING
DATE: MARCH 15, 2016

LOCATION	DEVICE	A	B	C	D	E	F	REMARKS
Welding Shop Classroom Exit	M	✓		✓	✓	1-2		
Welding Shop Loading Bay	S(P)	✓		✓	✓	1-3		
Welding Shop Main Loading Bay	S(P)	✓		✓	✓	1-4		
Welding Shop Main Entrance	M	✓		✓	✓	1-5		
Welding Shop East	RHT	✓		✓	✓	1-6		
Welding Shop West	RHT	✓		✓	✓	1-7		
Welding Shop Secure Storage	RHT	✓		✓	✓	1-8		
Welding Shop Secure Storage Exit	M	✓		✓	✓	1-9		
Garage Bay West	S(P)	✓		✓	✓	1-10		
Garage Bay East	S(P)	✓		✓	✓	1-11		
Garage Bay Exit	M	✓		✓	✓	1-12		
Garage Bay Corridor by Washrooms	S(P)	✓		✓	✓	1-13		
Garage Bay Drivers Pit Stop	S(P)	✓		✓	✓	1-14		
North Store Room Exit	M	✓		✓	✓	1-15		
North Store Room East	S(P)	✓		✓	✓	1-16		
North Store Room West	S(P)	✓		✓	✓	1-17		
North Store Room North Office	S(P)	✓		✓	✓	1-18		
North Store Room South Office	S(P)	✓		✓	✓	1-19		
Welding Shop Class Room	AV	✓		✓		B1		
Welding Shop Center	AV	✓		✓		B1		
Store Room Mezz.	AV	✓		✓		B1		
Carpentry Shop	AV	✓		✓		B1		
Mechanical Shop	AV	✓		✓		B1		

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