

Project:	City of Iqaluit Operations Centre	Project No:	191-10499-00
Location:	Iqaluit, Nunavut	Issue Date:	June 2, 2022
Client:	City of Iqaluit	Issued By:	Shannon Phillips/ Graham Reimer

The following is to be read and form part of the contract documents for the above project.

1.0 GENERAL

- .1 The contractor shall provide photo documentation with monthly progress claims and at each construction phase/milestone (eg. In-wall rough-in, above ceiling, trenching, etc.) before installations are concealed or as otherwise required. Photos shall be of sufficient detail to discern specific installation methods such pipe and equipment support/installation methods, system routing, room layouts, and equipment clearances.

2.0 ELECTRICAL

.1 Drawings - General

- .1 Replace the following drawings with the attached revised drawings:
 - a. E001 - Electrical Legend and Drawing List
 - b. ES10 - Electrical Site Plan
 - c. EL10 - Lighting System Floor Plan (includes revised branch circuitry and lighting control layouts)
 - d. EL20 - Lighting System Floor Plan (includes revised branch circuitry and lighting control layouts)
 - e. EY10 - Life Safety Systems First Floor
 - f. EY20 - Life Safety Systems Second Floor
 - g. E600 - Electrical Single Line Diagram
 - h. E700 - Schedules - Luminaires / Motor Control

.2 Drawing ED10

- .1 Detail 2/ED10:
 - a. Provide the following new devices within the renovation area:
 - i. One emergency battery pack with two LED light heads. Wire to existing branch lighting circuit (non-switched) in the area.
 - ii. One exit sign. Sign to match existing devices.
 - iii. One ceiling mounted fire alarm horn strobe. Device to match existing system manufacturer.
 - b. All new and relocated fire alarm devices shall be verified.
 - c. Exact location of all new devices shall be coordinated and reviewed with the consultant prior to installation.

.3 Drawing ED20

- .1 Detail 2/ED20:
 - a. Provide the following new devices within the renovation area:

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- i. One emergency battery pack with two LED light heads and one double head remote fixture. Wire to existing branch lighting circuit (non-switched) in the area.
 - ii. One exit sign. Sign to match existing devices.
 - iii. Two ceiling mounted fire alarm horn strobe. Devices to match existing system manufacturer.
- b. All new and relocated fire alarm devices shall be verified.
 - c. Exact location of all new devices shall be coordinated and reviewed with the consultant prior to installation.

.4 Drawing EP10

- .1 Elevator Pit: Provide a ground fault protected duplex receptacle wired to a separate 15A, 120v circuit, circuit PP11-46.
- .2 StaffHub 113: Delete one of two duplex receptacles connected to circuit PP11-26. Duplex receptacle wired to circuit PP11-28 shall be a 20A, ground fault protected receptacle.

.5 Drawing EP20

- .1 Staff Hub 210: Delete duplex receptacle connected to circuit PP21-20. Receptacles wired to circuits PP21-14, 26 and 28 shall be located 250mm above counter.

3.0 ELECTRICAL SPECIFICATIONS

.1 Section 26 05 32 - Outlet Boxes, Conduit Boxes and Fitting

.1 Part 1.8 Floor boxes

- a. Clarification: Floor boxes shall be multi-gang, multi-service boxes with capacity to house all wiring and devices (power, data/voice, and A/V (provisions for future only)) illustrated on the floor plans in a common box. Devices wired from different sources or voltages to be in separate, barriered compartments.
- b. Boxes shall have die cast aluminum cover assembly with 180 deg articulating hinge cover, space for carpet insert and powder coat finish. Bevelled flange trim in compliance with ADA Accessibility Guidelines. Cover and flange to be black in colour. (Confirm colour with shop drawings).

.2 Section 26 05 36 - Cable Trays for Electrical Systems

- .1 Delete this section.
- .2 Provide basket tray shall be as specified in Section 27 11 00 - Communications Equipment Rooms Fittings.

.3 Section 26 27 26 - Wiring Devices

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- .1 Add the following item:
 - a. Part 2.9 Dimmer Switches (0-10V)
 - i. Provide dimmer switches where indicated on Drawings. All 0-10V dimmers shall be Sensor Switch #SPODMRA or approved equal.
 - ii. In rooms where dimming and occupancy sensing control is illustrated, provide low voltage dimmers with compatible occupancy sensors and power packs of the same manufacturer. Low voltage dimmers shall be Sensor Switch #SPODM w/ power pack or approved equal.
 - iii. All dimmers throughout the building shall be by the same manufacturer, and consistent in appearance and functionality.
 - .2 Part 3.2 Installation
 - a. Add: Wire all switches with 5-conductor (hot, neutral, switch, 0-10V+/-) plus bond to facilitate future installation of dimmer switches
 - .4 Section 26 52 13.13 Emergency Lighting
 - .1 Provide automatic test self-diagnostic
 - .2 Delete receptacle connection. Battery units shall be direct connected.
 - .3 Light heads, remote and integral to battery units, shall be die-cast aluminum.
 - .4 Battery units located in electrical rooms containing emergency power transfer switches shall be supplied c/w with transient voltage surge suppression.
 - .5 Section 26 52 13.16 Exit Signs
 - .1 Provide DC terminal block for connection to emergency battery units as illustrated on Drawings.
 - .6 Section 26 32 13 - Stand-By Generator
 - .1 Part 2.2.3.1.13 - Remote annunciator shall annunciate all points listed in CSA-C282, Table 1
 - .2 Part 2.2.5. - Insulated & Heated Fuel Tank
 - a. Revise capacity of sub-base fuel tank to 7-day.
 - .3 Part 3.1 - Installation
 - a. Install remote annunciator panel within 2nd floor electrical room.
 - b. Provide 27mm conduit for installation of fire alarm devices within walk-in enclosure.
 - c. Provide the following spare parts:
 - i. Six (6) fuel filter replacement elements.
 - ii. Six (6) oil filter replacement elements.
 - iii. Six (6) air filters
 - iv. Six (6) air cleaner replacement elements.
 - v. Three (3) fuses of each type used in control panel.

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- vi. Two (2) accessory belts of each type used on engine.
 - vii. complete set of specialized tools required for adjustment and maintenance of equipment supplied.
 - viii. Where metric size nuts/bolts are used, provide one set of sockets complete with ratchet handle and set of combination
- .7 Section 28 31 01 - Fire Alarm Systems
 - .1 Replace the specifications with the attached revised specifications.

4.0 MECHANICAL

- .1 Drawings - General
 - .1 Replace the following drawings with the attached revised drawings:
 - a. M400 - Mechanical Room Plans
 - b. M401 - Schematics
 - c. M402 - Schematics
 - d. M600 - Schedules
 - e. M601 - Schedules
 - f. P101 - Second Floor Drainage
- .2 Drawings - M400 Mechanical Room Plans
 - .1 Remove EF-02, AHU-01 & AHU-02,
 - .2 Remove pumps P-22 & P-23
 - .3 Provide HRV-01 and revised ducting
 - .4 Provide combustion air intake
 - .5 Added specification for hydraulic separator
- .3 Drawings - M401 Schematics
 - .1 Revised ventilation schematic
- .4 Drawings - M402 Schematics
 - .1 Revised Hydronic schematic
- .5 Drawings - M600 Schedules
 - .2 Remove - AHU Schedule
 - .3 ADD - HRV Schedule
 - .4 ADD - Expansion tank schedule
 - .5 Revised - Pump Schedule
 - .6 Revised - Fan Schedule



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- .6 Drawings - P101 Second Floor Under Floor Drainage
 - .7 Revise - Plumbing vent note

END OF ADDENDUM NO. 3