

NOTIFICATION OF REVISION

Public Works and Government
Services Canada

Addendum No. 1

Solicitation Name: Government of Canada, Office Facility.
Solicitation Number: 1322.003

Date: Tuesday May 15, 2012

1. ELECTRICAL

1.1 SPECIFICATIONS

1.2 DRAWINGS

2. MECHANICAL

2.1 SPECIFICATIONS

- .1 Section 21 13 16 Dry Pump Sprinkler Systems 2.6 Compressed Air Supply Compressor
 - .1 Add 2.6.5 to read: Compressor to be equipped with 3 HP motor.
- .2 Section 23 05 05 Installation of Pipework 3.6 Pipework Installation
 - .1 Revise item .13 to read: Provide Adequate expansion loop / joints and anchors as necessary.
 - .2 Add 3.6.14.10 to read: Provide and install NPT, non-return S.S.spring pressure independent control ball valve, equal percentage, ANSI class IV, close off pressure 600 psi. for all heat pumps.
 - .3 Add 3.6.15 to read: No plastic piping to be provided above grade.
- .3 Section 23 08 02 Cleaning and Start-up of Mechanical Piping Systems 3.2 Cleaning Hydronic and Clean Systems
 - .1 Add 3.2.4.7 Cleaning and Flushing to read: Prior to first operation of heat pump, the supply and return run-out pipes to be connected together at each heat pump, to prevent the introduction of dirt into the units.
- .4 Section 23 65 10 Condensers, Coolers and Cooling Towers 2.9 Fan
 - .1 Revise item 2.9.3 to read: Fan motor shall be totally enclosed for cooled (TEFC) inverter duty type with a 1.0 service factor and shall be designed per NEMA Standard M G1, Section IV, Part 31.
- .5 Section 23 81 41 Ground Loop Collector System 1.01 Work Performed by This Section
 - .1 Revise item 1.01.1 to read: Supply and install a complete ground loop etc.
 - .2 Delete item 2.05 Geotechnical Survey entirely.

- .3 Revise item Part 3 – Execution 3.01. Loop Design (Closed System) .1
Design and layout the closed-loop system with due etc. to read: Layout
the closed – loop system with due etc.
- .6 Section 25 90 01 EMCS: Site Requirements, Applications And Systems
Sequences Of Operation, Control Schematic
 - .1 Revise Make-Up Air Unit Control Schematic and Heat Pump Boiler and
Fluid Cooler Control Schematic as shown in attached sheets # BMS-1R1
and # BMS-2R1.
 - .2 Revise point list for Make-Up Air Unit and Heat Pump Boiler and Fluid
Cooler System as shown in attached sheet.

2.2 **DRAWINGS**

- .1 Mechanical Drawing M2-01 Foundation P & D
 - .1 Added Backwater Valve BWV to 150mm dia. Sanitary main leaving.
 - .2 Refer to Sketch SKM-1 attached.
- .2 Mechanical Drawing M2-02 Main Floor P & D
 - .1 Added Backwater Valve BWV to 150mm dia. Sanitary main leaving.
 - .2 Refer to Sketch SKM-2 attached.
- .3 Mechanical Drawing M2-06 Main Floor HVAC
 - .1 Indicated locations of CO2 detectors on Floor Plan.
 - .2 Added General Note# 6 Re: Interlocking CO2 sensors with the
O.A. connection's Motorized dampers for Heat pumps O.A. supply.
 - .3 Indicated a typical detail of O.A. control at motorized damper
and CO2 Sensor .
 - .4 Refer to Full Drawing Re-issued. attached
- .4 Mechanical Drawing M2-07 Second Floor HVAC
 - .1 Indicated locations of CO2 detectors on Floor Plan.
 - .2 Added General Note# 6 Re: Interlocking CO2 sensors with the
O.A. connection's Motorized dampers for Heat pumps O.A. supply.
 - .3 Indicated a typical detail of O.A. control at motorized damper
and CO2 Sensor
 - .4 Refer to Full Drawing Re-issued. attached
- .5 Mechanical Drawing M2-08 Roof Plan
 - .1 Indicated Boiler flues from below to terminate above Finished roof.
 - .2 Indicated Sizes of ducts from SCU-2 down to below.
 - .3 Refer to Sketch SKM-3 attached.
- .6 Mechanical Drawing M2-09 Mechanical room plan
 - .1 Relocated Heat Exchanger HE-2
 - .2 Rerouted piping and connections to WHP-1 and AHU-1
 - .3 Rotated Pumps P-3 and P-4.
 - .4 Showed Flues from boilers and humidifier up to roof above.
 - .5 Rotated WHP-1.
 - .6 Refer to Full Drawing Re-issued. attached.
- .7 Mechanical Drawing M3-01 Fire Protection Schematic
 - .1 Revised Supervised Valve Schedule

- .8 Mechanical Drawing M3-01 Fire Protection Schematic.
 - .1 Added Pressure Switch.
 - .2 Revised Supervised Valve Schedule
 - .3 Refer to Sketches SKM-4 SKM-5 & SKM-6. attached.

- .9 Mechanical Drawing M3-02 Ground Source Heat pumps –Schematic & Details
 - .1 Revised piping to include connections to WHP-1
 - .2 Revised piping to include HP-D'S in mechanical room.
 - .3 Refer to Full Drawing Re-issued for Clarity. attached.

- .10 Mechanical Drawing M3-05 H.V.A.C. Riser Diagram
 - .1 Revised O.A. connections to Heat Pumps
 - .2 added Motorized dampers to control O.A. demand and interlocked with CO2 Sensors.

 - .3 Added General Note 1. re: CO2 sensors.
 - .4 Refer to Full Drawing Re-issued . attached.

- .11 Mechanical Drawing ME-01 Mechanical and Electrical Schedules
 - .1 Revised Expansion Tank Schedule.
 - .2 Refer to Sketches SKM-7, SKM-8 & SKM-9 . attached.

- .12 Mechanical Drawing ME-03 Mechanical and Electrical Schedules
 - .1 Deleted 1 of 2 Silencer Schedules from Drawing for clarity only.
 - .2 Refer to Sketches SKM-10 . attached

END OF ADDENDUM