

NOTIFICATION OF REVISION

Public Works and Government
Services Canada

Addendum No. 3

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

Date: Thursday June 07, 2012

1. ELECTRICAL

1.1 SPECIFICATIONS

- .1 Section 29 05 01 Photovoltaic System
 - .1 Paragraph 2.1.1
Revise system output to read 42.9kWp DC STC.
- .2 Section 28 13 35 Ancillary System Paragraph 2.22
 - .1 Revise item .1 as follows: Wall mount JB9 and JB9A are designated by the symbol 'JB9' and 'JB9A', and can be referenced from the site plan drawing.
 - .2 Add item .6 as follows: Each location marked 'JB9A' will require 2xRG6 coax, and 2x2 conductor wire supplied to the location. Leave a 6m coil of wire. Provide a custom mounting arm for the JB9A location, to be mounted on the inside of the parapet with a minimum horizontal arm length of 750mm. To be confirmed with Department Representative prior to ordering.

1.2 DRAWINGS

- .1 Electrical Drawing E1-01 Site Plan Electrical
 - .1 Revise wording in note 4 from 'Compartmental Representative' to read 'Department Representative'.
 - .2 Revise mounting height for 4 (four) JB9 junction boxes on north wall to match mounting height of light fixtures, approx. 4800mm above finished grade. Refer to architectural elevations.
 - .3 Revise mounting height for 1 (one) JB9 junction box on north/west corner of building (grid line 2/A), to match mounting height for light fixtures along west wall, approx. 4800mm AFG. Refer to architectural elevations.
 - .4 Delete 1 (one) JB9 junction box on south/west corner of building (grid line 9/A).
 - .5 Relocate 1 (one) JB9 junction box from south/west corner of building to inside of parapet wall in south/west corner, revise to JB9A. Provide custom mounting arm.
 - .6 Relocate 1 (one) JB9 junction box from south wall (grid line J/9), to below north/east corner of canopy (grid line M/8).

- .7 Revise mounting height for 2 (two) JB9 junction boxes on east wall to match mounting height for light fixtures, approx. 4800mm AFG. Refer to architectural elevations.

2. MECHANICAL

2.1 SPECIFICATIONS

- .1 Section 25 30 01 EMCs: Building Controllers.
 - .1 Revise 2.1 Master control Unit (MCU) item 2.1.2.1 to read: MCU must support **Open** Protocol BACnet.
- .2 Section 23 30 02 EMCs: Field Control Devices.
 - .1 Revise 2.21 Electronic Control Damper Actuators item 2.21.6 to read: For **Terminal Units** applications floating control.....etc.
 - .2 Delete item 2.27 Control Air Compressor Stations entirely
- .3 Section 25 90 01 EMCS: Site Requirements, Applications And Systems Sequences Of Operation, Control Schematic.
 - .1 Revise point list, as shown in attached sheet.
 - .2 Add 1.3.2.20 to read:
 - .20 Typical Heat Pump and fresh air damper
 - .1 Zone thermostats shall have a programmable adjustment to allow occupant to adjust setpoint by +/- 2 deg C (value is programmable).
 - .2 Zone thermostats in publicly accessible areas shall not be equipped with setpoint adjustment or temporary occupancy button. Review thermostat selection with the consultant prior to supplying.
 - .3 Space temperature shall be controlled via a single setpoint with a heating & cooling bias.
 - .4 Occupied mode is determined by a time schedule at the BAS, or by pressing the temporary occupancy button on the thermostat. Temporary occupancy button shall engage 60 minutes of occupancy for the local heat pump box before reverting to the regularly scheduled mode.
 - .5 Initial temperature setpoint shall be 22 deg C +/- 1 deg C to give a heating setpoint of 21 deg C, and a cooling setpoint of 23 deg C.
 - .6 Run the fan continuously during occupied hours.
 - .7 Stage the compressor for heating & cooling based on the comparison of zone temperature to setpoint.
 - .8 Unoccupied mode shall be selected whenever the heat pump is not in occupied mode.
 - .9 Initial temperature setpoint shall be 22 deg C +/- 5 deg C to give a heating setpoint of 17 deg C, and a cooling setpoint of 27 deg C.

- .10 Run the fan only on a call for setback heating or cooling.
- .11 Stage the compressor for heating & cooling based on the comparison of zone temperature to setpoint.
- .12 Alarm at the BAS should the space temperature fall 3 deg C below heating setpoint or rise 3 deg C above the cooling setpoint.
- .13 Open the fresh air damper when space CO2 level exceeds 800 ppm and the heat pump is in occupied mode based on the BAS time schedule.

2.2 DRAWINGS

END OF ADDENDUM