

# City of Cambridge

## PURCHASING DEPARTMENT

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Amy L. Witts  
Purchasing Agent

**TO:** All Bidders

**FROM:** City of Cambridge

**DATE:** July 18, 2016

**RE:** File No. 7299 – Miscellaneous HVAC Projects - Addendum No. 3

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This addendum is comprised of:

1. Revised technical specifications (attached)
2. Questions and answers

The following questions were asked and answered:

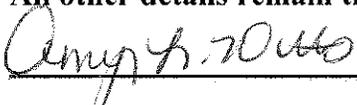
**Question:** Are there 2 Reznor units being replaced at the Ryan Garage or just the one in the Men's Room? The Spec Under item #3 says a 20MBH gas unit heater, the unit in there is a furnace and is definitely larger than 20 MBH.

**Answer:** There are two Reznor units being replaced in the DPW Ryan Garage. One is a 20 MBH unit located in the Men's room serving the rest rooms and locker rooms. The other is a 230 MBH rooftop unit which serves the vehicle maintenance area of the building. The sizing of these units were estimated in the City's 2013 Five Year HVAC Renewal Plan and should be confirmed before installation. At the time of the report, no boiler plate information was available.

**Question:** Under Item #4 it says a Carrier 2 ton condensing unit which I believe is the 1<sup>st</sup> unit we looked at but it also notes a Reznor 210 MBH natural gas furnace which I believe is the one in the men's room? These are 2 separate systems

**Answer:** Please refer to the revised technical specifications included with this addendum.

All other details remain the same.

  
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Amy L. Witts  
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Addendum No. 3

## **Technical Specifications Miscellaneous HVAC Projects**

### **General Information**

All projects are based on recommendations made in the City of Cambridge 5-Year HVAC Systems Renewal Plan.

Contractor is responsible for correct sizing of all equipment.

All equipment must be replaced with energy efficient equipment that qualifies for Mass Save efficiency incentive programs, where appropriate.

### **Project Descriptions**

- 1. Unit ventilator replacement at the Area IV Youth Center (243 Harvard St)**  
**Scope:** Replace 1<sup>st</sup> floor back classroom unit ventilator. Remove existing unit ventilator from site. Pick up new equipment and transport to site. Install new equipment. Test and balance the new unit.  
**Existing equipment specs:** MSI/Nesbitt 0.125 HP unit ventilator
- 2. Gas-fired furnace replacement at the DPW Ryan Garage (147 Hampshire Street)**  
**Scope:** Replace gas-fired furnace located in the men's room/locker room area. Remove existing unit from site. Pick up new equipment and transport to site. Install new equipment. Start test and balance the new equipment.  
**Existing equipment specs:** Reznor 20 MBH ceiling hung gas furnace.
- 3. Rooftop unit replacement at the DPW Ryan Garage (147 Hampshire Street)**  
**Scope:** Replace gas-fired furnace located on Garage rooftop. Cut piping and disconnect electrical. Remove existing unit from site. Removal of existing unit and installation of new unit will require the use of a crane. New gas piping and wiring as required. Start up, test and balance the new equipment.  
**Existing equipment specs:** Reznor 210 MBH natural gas furnace (rooftop unit).
- 4. Split A/C system replacement at the DPW Ryan Garage (147 Hampshire Street)**  
**Scope:** Replace supply unit located in the mezzanine above garage work bays and condensing unit located on rooftop. Recover remaining refrigerant from system. Cut piping and disconnect electrical. Remove existing units from site. Lift new supply unit to mezzanine and condensing unit to roof with a crane. Pipe, wire, evacuate, and charge new unit.  
**Existing equipment specs:** Carrier 2 ton condensing unit/compressor (rooftop) and supply unit (inside garage).

**5. Hydronic pump replacement at the Inman Square Fire House – Engine 5**  
(1384 Cambridge St)

**Scope:** Miscellaneous hydronic pump replacement in mechanical room. Pumps P-1, P-2, BP-1, BP-2 are to be replaced. Remove existing pumps from site. Pick up new equipment and transport to site. Install new equipment. Test and balance the new equipment.

**Existing equipment specs:** Pumps P-1 and P-2 A.O. Smith 1 HP hydronic pumps; Pumps BP-1 & BP-2 Bell & Gossett 1/12 HP hydronic pumps