



ADDENDUM #2

June 9, 2011

Re: Harrisburg Area Community College
Public Safety Center – Law Enforcement Complex & Site Improvements
Solicitation # 11-21

From: Eastern PCM, LLC
Construction Manager – HACC
645 N. 12th Street, Suite 200
Lemoyne, PA 17043

To: All Planholders

This Addendum is hereby made part of the Plans and Project Manual dated April 29, 2011 for the above referenced project. The provisions of this Addendum are intended to supplement the provisions of the Plans and Project Manual and/or supersede them where contradictory thereto.

This Addendum contains changes to the requirements of the Plans and Project Manual. Such changes shall be incorporated into the Plans and Project Manual and shall apply to work with the same meaning and force as if they had been included in the original Plans and Project Manual. Where this Addendum modifies a portion of a paragraph or phrase of the Project Manual, the remaining unmodified portion of the paragraph or phrase shall remain in force.

The conditions and terms of the Plans and Project Manual shall govern work described in this Addendum. Whenever the conditions of work, or the quality or quantity of materials or workmanship are not fully described in this Addendum, the conditions of work etc. included in the Plans and Project Manual for similar items of work shall apply to the work described in this Addendum. If no similar items of work are included in the Plans and Project Manual, the quality of material and workmanship shall be subject to the written acceptance of the Architect.

2.1 CHANGES TO THE PROJECT MANUAL

A. SECTION 15815 – METAL DUCTS:

CLARIFICATION: See Specification Section 15815 for insulation requirements for double wall metal ducts.

B. SECTION 15940 – SEQUENCE OF OPERATION

ADD Section 1.5.A.1.c.7

6) Dehumidification Mode:

- a) Dehumidification is enabled based on an Indoor Humidity Set point and requires a Return Air Humidity Sensor.
- b) Dehumidification is only available when heating and cooling demands are satisfied (Vent Mode).
- c) In dehumidification, the unit shall maintain the Evaporator Coil Suction Temperature at the Coil Suction Temperature Set point by modulating the Digital Compressor.
- d) A coil suction pressure sensor is required and is typically factory furnished and installed by the unit manufacturer.
- e) If additional dehumidification is required, fixed compressor stage(s) can be staged on. Once fixed compressor(s) are activated the Digital Compressor will only be allowed to modulate down to 70% in order to maintain reheat capacity.
- f) To stage up the extra compressor(s), the Evaporator Coil Suction Temperature needs to be above the Evaporator Coil Suction Temperature Set point and the Digital Compressor needs to be at 100% for a period of time equal to the Stage Up Delay. Once a fixed compressor is enabled the digital compressor signal will go to 70% and modulate up as needed. This will repeat as additional fixed compressors are staged up.
- g) To stage down the extra compressor(s), minimum runs times must be met, the Evaporator Coil Suction Temperature needs to be below the Evaporator Coil Suction Temperature Set point minus the Cooling Stage Control Window, and the Digital Compressor needs to be at 70% for a period of time equal to the Stage Down Delay. Once a fixed compressor stages off, the digital compressor will go to 100% and modulate down as needed to maintain the coil temperature set point. This will repeat as additional fixed compressors stage off. The digital compressor is always the last compressor to be deactivated.
- h) Dehumidification Reheat is always controlled to the appropriate Active Supply Air Temperature Set point which will be dependent on whether you are in Heating Dehumidification, Cooling Dehumidification, or Vent Dehumidification. During Vent Mode Dehumidification the Supply Air Temperature Set point is calculated to be halfway between the HVAC Mode Set points.
- i) Reheat is modulating hot refrigerant gas reheat.

C. SECTION 16120 – LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

CLARIFICATION: MC cable is only acceptable as stated in the specifications.

2.2 CHANGES TO THE DRAWINGS

A. General Clarification

- a. Provide fiber optic cable per specifications
- b. Provide Ortronics fiber optic connectors per specifications. Connectors shall be suitable to fiber optic cable specified.
- c. Quantity of patch cords shall match quantity of data drops.

- d. Removal of light poles, bases, underground electrical conduits, wires, and manholes shown on site plans 3, 4, 5, and 6 of 37 will NOT be the responsibility of the Electrical Contractors per Specification Section 01125 – Summary of Contracts.

B. Drawing E0.1:

- a. CLARIFICATION: Number beside duplex (two drops) data or telephone symbol signifies the total number of duplex (two drops) data devices. If no number is shown, bidder shall assume two drops per location.
- b. ADD: WA2E lighting fixtures designation, "SM 254T5 UNV EBT1" to lighting fixtures schedule.

C. Drawing EA1.1:

- a. DELETE: One of the three 4-way light switches in Room A110.
- b. ADD General Note 4: Provide 1P/20A circuit breaker [3/4"C, 2#12 AWG + 1#12 Grd] for "room-in-use" signs.

D. Drawing EA1.2:

REVISE: WC1 fixtures located in Room B101 shall be tied into circuit HA1-10.

E. Drawing EA2.1:

CLARIFICATION: Shaded triangle in Room A126 is a duplex data outlet and requires two data drops.

F. Drawing EA3.1:

- a. CLARIFICATION: Firing range surveillance system monitor and recorder shall be located in Room A108. Coordinate final location with Owner.
- b. CLARIFICATION: Room B101 doors do not require security measures.
- c. CLARIFICATION: General Note 2 states that the Electrical Contractor is responsible for providing 3/4" conduit from all security device junction boxes to Room A112. This includes interior and exterior devices. Security System vendor will provide all security system cabling.

G. Drawing EA4.1:

- a. CLARIFICATION: Panel EA to be located on the same wall as ATS-1, NEA, and NELA. Coordinate location with other panels and disciplines.
- b. CLARIFICATION: Electrical Contractor is responsible for single point connection to Cooling Tower and Heat Tracing panels. Mechanical Contractor is responsible for all load side conduit, cabling, and devices.

H. Drawing EA5.2:

- a. CLARIFICATION: The intent of the telecom system is to have a continuous 25 pr copper and 6 strand fiber optic cable from Blocker Hall to North Hall and a continuous 25 pr copper and 6 strand fiber optic cable from North Hall to Law Enforcement Complex.
- b. CLARIFICATION: North Hall Telecom Detail – provide fiber optic splice tray as shown on the drawing.
- c. CLARIFICATION: Lightning protection is required on all incoming and outgoing copper per Specification Section 16714, paragraph 2.6.A.

I. Drawing 7.1A

- a. CLARIFICATION: New telecom ductbank is for future use only.

END OF ADDENDUM



Please sign and return this page, via fax, to Eastern PCM, LLC at (717) 233-1666 indicating receipt of this Addendum.

Public Safety Center – Law Enforcement Complex and Site Improvements

Addendum #_____ has been received.

Company: _____
Print Company Name

Received By: _____
Print Name Signature

Date: _____

Please check one:

_____ We are bidding as a prime contractor
_____ We are not bidding
_____ We are a sub-contractor