



## **ADDENDUM # 3**

**May 14, 2009**

Re: HACC, Central Pennsylvania's Community College  
Renovations to York Campus CyTec Facility  
Solicitation # 09-38

From: Eastern pcm, LLC  
Construction Manager – HACC  
212 Locust Street, Suite 604  
Harrisburg, PA 17110

To: All Planholders

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This Addendum is hereby made part of the Plans and Specifications dated April 10, 2009 for the above referenced project. The provisions of this Addendum are intended to supplement the provisions of the Plans and Specifications and/or supersede them where contradictory thereto.

This Addendum contains changes to the requirements of the Plans and Specifications. Such changes shall be incorporated into the Plans and Specifications and shall apply to work with the same meaning and force as if they had been included in the original Plans and Specifications. 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 Specifications 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 Specifications 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 Specifications, the quality of material and workmanship shall be subject to the written acceptance of the Architect.

### **3.1 CHANGES TO PROJECT MANUAL**

a. Section 08911 – Glazed Aluminum Curtain Walls

Part 1.3.F Windborne-Debris-Impact-Resistance Performance: Delete paragraph in its entirety.

b. Section 09911 – Exterior Painting:

A. Part 1.2.A Summary: Add the following subparagraph 2:

2. Concrete masonry units (CMU).

B. Part 2 – Products: Add the following paragraph 2.6:

2.6 EXTERIOR MASONRY (CMU) STAINS

A. Water Repellant Concrete Stain.

1. VOC Content: Not more than 50 g/L.

B. Basis-of-Design Product: Loxon Vertical Concrete Stain A31 Series, by Sherwin-Williams Company, or approved equal.

C. Properties:

1. Water repellant, but allows moisture vapor to escape from interior.

2. Alkali, UV, and efflorescence resistant.

3. Solids (Weight): 43 to 47 percent.

4. Solids (Volume): 28 to 32 percent.

5. Clean-up: Soap and water.

6. Gloss / Sheen: Flat.

D. Color: Formulate to color as selected by the Architect.

C. Part 3.5 – Exterior Painting Schedule: Add the following Paragraph B:

B. Concrete Masonry Units (CMU) Substrates:

1. Masonry Stain System as Specified.

c. Section 10801 – Toilet And Bath Accessories:

A. Part 2.2.C Liquid Soap Dispenser ACC7: Omit this Accessory. Revise subparagraphs to read: “Owner-Furnished; Contractor Installed. Coordinate and Install Blocking as required.”

B. Part 2.2.F Sanitary Napkin Disposal Unit: Omit this Accessory. Revise subparagraphs to read: “Owner-Furnished; Contractor Installed. Coordinate and Install Blocking as required.”

C. Part 2.2.G Mirror Unit ACC5: Subparagraph 1 Basis-of-Design Product: Revise Model Number to “B-290 1836.”

d. Section 12495 – Roller Shades:

A. Part 2.3 Motorized Roller Shade Operators: Delete paragraph 'D' and replace with paragraph D as follows:

D. Motor Control System, General: Specifications and design of shade motors and motor control system are based on the IQ/MLC motor logic control system by MechoShade Systems, Inc. Equipment shall include 485NI network interface unit card. Other systems may be considered provided that all of the following performance capabilities are provided. Motor logic control systems not in complete compliance with these performance criteria will not be accepted as equal systems.

1. Motor Control System:

- a. Provide power to each shade motor via individual 3 conductor line voltage circuits connecting each motor to the relay based motor logic controllers (IQ/MLC).
- b. Control system components shall provide appropriate (spike and brown out) over-current protection (+/- 10 percent of line voltage) for each of the four individual motor circuits and shall be rated by UL or ETL as a recognized component of this system and tested as an integrated system.
- c. Motor control system shall allow each group of four shade motors in any combination to be controlled by each of four local switch ports, with up to fourteen possible "sub-group" combinations via local 3 button wall switches and all at once via a master 3 button switch. System shall allow for overlapping switch combinations from two or more local switches.
- d. Multiple "sub-groups" from different IQ/MLC control components shall be capable of being combined to form "groups" operated by a single 3 button wall switch, from either the master port or in series from a local switch port.
- e. Each shade motor shall be accessible (for control purposes) from up to four local switches and one master switch.
- f. Control system shall allow for automatic alignment of shade hem bars in stopped position at 25 percent, 50 percent, and 75 percent of opening heights, and up to three user-defined intermediate stopping positions in addition to all up / all down, regardless of shade height, for a total of five positions. Control system shall allow shades to be stopped at any point in the opening height noting that shades may not be in alignment at these non-defined positions).

- g. Control system shall have two standard operating modes: Normal mode allowing the shades to be stopped anywhere in the window's opening height and uniform mode, allowing the shades to only be stopped at the predefined intermediate stop positions. Both modes shall allow for all up / all down positioning.
- h. Control system components shall allow for interface with both audiovisual system components and building fire and life safety system via a dry contact terminal block.
- i. Control system components shall allow for interface with external analog input control devices such as solar activated controllers, 24 hour timers, and similar items; via a dry contact terminal block.
- j. Reconfiguration of switch groups shall not require rewiring of the hardwired line voltage motor power supply wiring, or the low voltage control wiring. Reconfiguration of switch groups shall be accomplished within the motor control device (IQ/MLC).

B. Part 2.3 Motorized Roller Shade Operators: Paragraph F Remote Controls: Add subparagraphs 2 and 3 as follows:

- 2. Connect local control stations to control system components via low voltage (12V DC) 4-conductor modular cable equipped with RJ-11 type connectors supplied, installed and certified under Division 16 - Electrical.
- 3. Connect master control stations to control system components via low voltage (12V DC) 6-conductor modular cable equipped with RJ-12 type connectors supplied, installed and certified under Division 16 - Electrical.

e. Section 15900 HVAC Instrumentation and Control

Chiller room ventilation sequence: Change EF-3 to EF-4.

f. Section 15900 HVAC Instrumentation and Control

Clarification: Mechanical Contractor shall install items as indicated in BMS Responsibility Matrix.

g. Section 15641 – Cooling Tower

Delete requirements for inlet and outlet sound attenuation. Sound levels in specification still apply.

### 3.2 CHANGES TO DRAWINGS

a. Drawing G001 – Symbols and Abbreviations

Exterior Material Index: Green Screen Trellis System “GS1” – Revise Material from “Steel” to “Galvanized Steel,” Finish from “Galvanized” to “Baked on Powder Coat,” Color from “TBD” to “Black,” Cat. No. from “-” to “#5105,” and Remarks from “Rigid Mesh Wall Mounted as indicated on drawings” to “Modular Wall Hung Trellis Panel, #5105 Steel Edge Trim.”

Interior Material Index - Specialty Ceilings: Clg1 change Specification Number to 06402  
Clg2 change Specification Number to 09547

b. Drawing A010 – Architectural Site Plan: Site Plan 1:

- A. Revise note from “Cornus Florida “Dogwood-White” (Typical 2)” to “Cornus Florida “Dogwood – White”; 8’-0” Tall” (Typical 2).”
- B. Revise note from “Vinca Major “Large Leaf Periwinkle” (Typical 2 Locations)” to Vinca Major “Large Leaf Periwinkle; 3½” pots with 12 inch spacing (Typical 2 Locations).”
- C. Revise Note from “4” Gravel Bed” to “4” bed of 1½” White Crushed Stone.”
- D. Revise note from “Benches (Typ. 2)” to “Precast Concrete Bench; Model TF#5029 by Benson Outdoors; Weatherstone Color Options (Typ. 2).”
- E. Revise note from “Bike Rack (Typ. 2)” to “Bike Rack; Thomas Steele, Madrax, Genesis, No. GNS-8-SF-P (Typ. 2).”
- F. Add Note “Round Litter Receptacle – 36 Gallon, Side Opening with Aluminum Lid Option, Asymmetrical Row Perforations ¾” dia. (Typ. 2).”

c. Drawing A201 – Elevations

Elevation 1 – Partial South Elevation, Revise note “Dimensional Signage” to “Dimensional Signage – 6’-8” x 6’-8” x 0’-4” Logo, 4’-0” x 3’-0” x 0’-4” Letters, and 0’-4” x 31’-0” x 0’-4” Line; Paint.”

d. Drawing A403 – Detail 3

Make provision for TV on both sides of each column (2 per column)

e. Drawing A405 – Interior Elevations: Refer to Sketch SKA-1 and SKA-2.

f. Drawing A406 – Interior Elevations: Refer to Sketch SKA-3.

g. Drawing A602 – Door Schedule, Types and Details:

- A. Door 108A: Revise Frame Detail from “5/A603” to “10/A603.”
- B. Door 108B: Revise Frame Detail from “10/A603” to “5/A603.”

h. Drawing M100 - Mechanical room M102

Provide 24” x 24” louver and ATC damper in the exterior wall for the chiller room. Louver/damper shall be installed 8’ above floor. Louver and damper shall match models used for boiler room.

### 3.3 GENERAL CLARIFICATIONS

- a. Voice link from Building Demarcation to IT closet is to be terminated on a 110 block.
- b. Contractor to provide two (2) patch cords per data drop for owners use.
- c. Provide and install coaxial cable for all TV locations.

#### Questions:

Answers and clarification from questions received as of the date of this Addendum are listed below with respective responses.

- a. **Q:** Who is responsible for providing the dumpster for demolition?  
**A:** General Trades Contractor will be responsible for all dumpsters.
- b. **Q:** Is there a place for excess fill?  
**A:** No, all excavated material will need to be removed from the site.
- c. **Q:** Who is responsible for concrete equipment pads?  
**A:** Each contractor is responsible for their respective equipment pads.
- d. **Q:** Who is responsible for painting of exposed material installations?  
**A:** General Trade Contractor is responsible for all painting on the project.
- e. **Q:** Does the domestic water need to have a separate meter?  
**A:** No.
- f. **Q:** Can gas piping be run on the roof?  
**A:** Gas piping must conform to all national and local codes.
- g. **Q:** If Alternate #1 is accepted where will CT-1 be placed?  
**A:** CT-1 (cooling tower) is to be placed above the boiler room.
- h. **Q:** If Alternate #1 is accepted are the plumbing fixtures P-5a and NFWH’s to be deleted?  
**A:** No, they are to be relocated to a location to be determined.

- i. **Q:** What type of rack is required for data? What quantity?  
**A:** Mighty MO series sufficient quantity for complete cabling installation with 1 additional patch panel to be supplied by Contractor.
  
- j. **Q:** Does the horizontal voice link terminate on a 110 Block or on a patch panel?  
**A:** 110 Block
  
- k. **Q:** Are cable trays or J hooks acceptable for data wiring?  
**A:** Cable trays in main trunk line J-hooks for balance of wiring.

**END OF ADDENDUM**