ADDENDUM #3

May 13, 2009

Re: HACC, Central Pennsylvania's Community College
Midtown 1 – CCTA Phase 2
Solicitation # 09-17

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

To: All Planholders

This Addendum is hereby made part of the Plans and Specifications dated April 6, 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 BID DATE RESCHEDULED

Section 00100 – Invitation to Bid – CHANGE FOURTH PARAGRAPH TO READ:

> HACC, Central Pennsylvania's Community College will receive sealed bids for the work at the HACC Harrisburg Campus, One HACC Drive, Harrisburg, PA - Purchasing Office, Room 130- Whitaker Hall until **2:00 pm local prevailing time on May 21, 2009.** Bids received after this time will not be accepted. ONLY BONAFIDE BIDS WILL BE ACCEPTED. Bids will be opened and read aloud immediately following the bid receipt time.

3.2 LAST DAY FOR QUESTIONS

Section 00150 – Information for Bidders

CHANGE Item 3. Paragraph D. to read as follows:

D. Last day for questions: Friday May 15, 2009, 3:00 pm local prevailing time.

3.3 PROJECT MANUAL VOLUME 1

Section 01125 – Summary of Contract

ADD the following section to the list of Specification Section under contract No. 6 – Electrical:

16745 – DATA & VOICE COMMUNICATION CABLING

3.4 PROJECT MANUAL VOLUME 2 – ARCHITECTURAL/STRUCTURAL

Specification Section 08520 – Aluminum Windows

Part 2, Section 2.01, Part A, add the following: No Substitutions.

Specification Section 08520- Aluminum Windows

Part 2, Section 2.02, Part H: Revise the frame depth from 2-1/4" to 2-7/8".

Specification Section 08520 – Aluminum Windows

Part 2, Section 2.03, Part A add the following:

2. Color to match existing.

Specification Section 08800 – Glazing

Part 2, Section 2.05 add the following:

D. Sloped Insulating Glass Units: Units with interior pane of laminated sloped glass and with exterior pane as follows:
   1. Skylight Glazing Unit Composition
      a. Sloped glass units shall be 1-1/4" insulated glass consisting of: ¼" tempered, tinted gray solarban 60 with Low E on 2nd surface of exterior lite; ½" argon gas filled airspace; and ½" clear laminated annealed interior lite with a 0.060" PVB interlayer.

Specification Section 08800 – Glazing

Part 2, Section 2.03 add the following:

D. Fire-Rated Glass: 3/16" thick "FireLite"; glaze into frame with similar fire-rating, using "Metacaulk" listed glazing compound. Provide each glazing unit with a permanent listing mark, visible after installation.
   1. Product: Subject to compliance with requirements, provide "Standard. Premius, patterned FireLight" manufactured by Nippon Electric Glass Co., Ltd. and distributed by Technical Glass Products (800) 426-0279.
   2. Polished on both surfaces.

Specification Section 09900 – Paints and Coatings

Part 2, Section 2.04 add the following:

E. Paint CI-OP-3E – Concrete/Masonry, Epoxy Enamel, 3 Coat:
   1. One coat of catalyzed epoxy primer.
   2. Egg Shell: Two coats of catalyzed epoxy enamel.

3.5 PROJECT MANUAL VOLUME 3 – MECHANICAL, ELECTRICAL, AND PLUMBING

Section 15970 Building Systems Controls

a. Add the following Paragraph, 2.7.B.2.c. which shall read as follows, "Temperature sensors for installation in bathrooms, corridors and common/public areas shall be flush mounted in the wall and shall have a stainless steel faceplate. The sensor shall not have any display, slides, knobs or buttons."

b. Revise Paragraph 3.2.C.10.b. to read as follows, "Provide flush mounted stainless steel room temperature sensors in public spaces such as bathrooms, corridors, common areas and in all other areas specifically noted on the drawings. Provide standard room sensors everywhere else."

Section 15990 – Testing, Adjusting, and Balancing

Part 1, Section 1.3 Part C, change to read as follows

"Substitutions will be considered provided they meet the requirements stated herein."

Specification Section 16140 – Wiring Devices

Reissued specification section 16140.

Specification Section 16745 – Data &Voice Communication Cabling

Issued specification section 16745 – Data & Voice Communication Cabling

3.6 PROJECT MANUAL VOLUME 4 – ARCHITECTURAL DETAIL REFERENCE MANUAL

a. INDEX – index has been revised. See attached.

b. Notes – N-2 – notes have been revised. See attached.

c. Aluminum Window Elevations – AL-1 – detail has been revised. See attached.

d. Door Elevations – DE-1 thru DE-2 – details have been revised. See attached.

e. Frame Elevations – FE-1 thru FE-2 – details have been revised. See attached.

f. Miscellaneous Detail – MDT-35 thru MDT-37 – details has been added. See attached.

g. Partition Type – PT-38 – detail has been added. See attached.

3.7 DRAWINGS

ARCHITECTURAL

a. SKA-17 – Second Floor Demolition and Second Floor Dimension Plans have been revised on drawings X2.2 and A2.2D. Additional note and pipe chase has been added. See SKA-17 for revised locations.

b. SKA-18 – First Floor Demolition Plan has been revised on drawing X2.1. Saw cutting and notes have been revised. See SKA-18 for revised locations.

c. SKA-19 – First Floor Demolition Plan has been revised on drawing X2.1. Saw cutting and notes have been revised. See SKA-19 for revised locations.

d. SKA-20 – First Floor Plan has been revised on drawing A2.1. Slab infill has been revised. See SKA-20 for revised locations.

e. SKA-21 – First Floor Plan has been revised on drawing A2.1. Slab infill has been revised. See SKA-21 for revised locations.

f. SKA-22 – Mezzanine Floor Demolition Plan has been revised on drawing X2.1M. Additional notes have been added. See SKA-22 for revised locations.

g. SKA-23 – Mezzanine Floor Demolition Plan has been revised on drawing X2.1M. Additional note has been added. See SKA-23 for revised location.

h. SKA-24 – First Floor Demolition Plan has been revised on drawing X2.1. Additional note has been added. See SKA-24 for revised location.

i. SKA-25 – Wall Sections have been revised on drawing A5.5. Additional detail has been added to wall section 11. See SKA-25 for revised location.

j. SKA-26 – Wall Sections have been revised on drawing A5.4. Additional detail has been added to wall section 8. See SKA-26 for revised location.

k. SKA-27 – Wall Sections have been revised on drawing A5.4. Additional detail has been added to wall section 9. See SKA-27 for revised location.

l. SKA-28 – Wall Sections have been revised on drawing A5.4. Additional detail has been added to wall section 10. See SKA-28 for revised location.

m. SKA-29 – Large Scale Elevator Plans have been revised on drawing A6.5. Dimensions and partition types have been added. See SKA-29 for revised locations.

n. SKA-30 – Large Scale Elevator Plans have been revised on drawing A6.5. Dimensions and partition types have been added. See SKA-30 for revised locations.

o. SKA-31 – Large Scale Elevator Plans have been revised on drawing A6.5. Dimensions and partition types have been added. See SKA-31 for revised locations.

p. SKA-32 – Large Scale Elevator Plans have been revised on drawing A6.1-A. Dimensions and partition types have been added. See SKA-32 for revised locations.

q. SKA-33 – Large Scale Elevator Plans have been revised on drawing A6.1-A. Dimensions and partition types have been added. See SKA-33 for revised locations.

r. SKA-34 – Large Scale Elevator Plans have been revised on drawing A6.1-A. Dimensions and partition types have been added. See SKA-34 for revised locations.

STRUCTURAL

a. Drawings S1.2A the Storage roof framing is shown to match the Architectural drawings. See SKS-8

b. Drawing S3.1 – Section 5 – The vertical leg for the 3/8” bent plate relief angle for the brick should be noted as 4”.

MECHANICAL

a. Drawing HD1.1 – First Floor Plan – HVAC Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

b. Drawing HD1.2 – Mezzanine Plan – HVAC Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

c. Drawing HD1.3 – Second Floor Plan – HVAC Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

d. Drawing HD1.4 – Attic Plan – HVAC Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

e. Drawing HD1.5 – Roof Plan – HVAC Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

f. Drawing H1.1 – First Floor Plan – HVAC

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

   II. Drawing note referencing the louver on the South wall of Masonry Shop – 124 shall be revised to read as follows, “96x24 exhaust/relief louver. Min. 7.0 Sq. Ft. free area w/ 42” deep insulated sheet metal plenum full size of louver. Louver by General Trades Contractor”

   III. Add Sketch SKH-1.

   IV. Add Sketch SKH-2.

g. Drawing H1.1A – Alternate First Floor Plan – HVAC

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

h. Drawing H1.2 – Second Floor Plan – HVAC

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

i. Drawing H1.2A – Alternate Second Floor Plan – HVAC

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

j. Drawing H1.3 – Attic Plan – HVAC

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

k. Drawing H1.4 – Roof Plan – HVAC

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

l. Drawing H2.1 – First Floor Plan – HVAC Piping

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

   II. Add Sketch SKH-3.

m. Drawing H2.1A – Alternate First Floor Plan – HVAC Piping

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

n. Drawing H2.2 – Second Floor Plan – HVAC Piping

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

o. Drawing H3.1 – Enlarged Mechanical Room Plan – HVAC

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

   II. Add Sketch SKH-4.

p. Drawing H4.2 – Symbols, Abbreviations & Details – HVAC

   I. Add Sketch SKH-5.

PLUMBING

a. Drawing PD1.1 – First Floor Plan – Plumbing Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

b. Drawing PD1.2 – Mezzanine Plan – Plumbing Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

c. Drawing PD1.3 – Second Floor Plan – Plumbing Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

d. Drawing PD1.4 – Attic Plan – Plumbing Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

e. Drawing PD1.5 – Roof Plan – Plumbing Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

f. Drawing P1.0 – Foundation Plan – Plumbing

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

   II. Add Sketch SKP-1

g. Drawing P1.0A – Alternative Foundation Plan – Plumbing

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

h. Drawing P1.1 – First Floor Plan – Plumbing

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

II. Add Sketch SKP-2

III. Add Sketch SKP-3

i. Drawing P1.1A – Alternate First Floor Plan – Plumbing

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

j. Drawing P1.2 – Second Floor Plan – Plumbing

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

k. Drawing P1.3 – Attic Plan – Plumbing

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

l. Drawing P2.1 – Symbols and Details – Plumbing

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

FIRE PROTECTION

a. Drawing FPD1.1 – First Floor Plan – Fire Protection Demo.

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

b. Drawing FPD1.2 – Mezzanine Plan – Fire Protection Demo.

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

c. Drawing FPD1.3 – Second Floor Plan – Fire Protection Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

d. Drawing FPD1.4 – Attic Plan – Fire Protection Demo.

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

e. Drawing FP1.1 – First Floor Plan – Fire Protection

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

   II. Sidewall sprinkler in elevator pit shall not be more than 24” above elevator pit floor. Refer to detail on E3.2.

f. Drawing FP1.1A – Alternate First Floor Plan – Fire Protection

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

   II. Sidewall sprinkler in elevator pit shall not be more than 24” above elevator pit floor. Refer to detail on E3.2.

   III. Sidewall sprinklers in oxygen and acetylene storage rooms shall be freeze proof.

   IV. Remove upright sprinkler head shown in the shaft of the alternate elevator. Sidewall sprinkler shall remain.

g. Drawing FP1.2 – Second Floor Plan – Fire Protection

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

   II. Add Sketch SKFP-1

h. Drawing FP1.2A –Alternate Second Floor Plan – Fire Protection

   I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

i. Drawing FP1.3 – Attic Plan – Fire Protection

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

j. Drawing FP1.3A – Alternative Attic Plan – Fire Protection

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

ELECTRICAL

a. Drawing ED1.1 – First Floor Plan – Electrical Demo.

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

b. Drawing ED1.2 – Mezzanine Plan – Electrical Demo.

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

c. Drawing ED1.3 – Second Floor Plan – Electrical Demo.

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

d. Drawing ED1.4 – Attic Plan – Electrical Demo.

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

e. Drawing E1.1 – First Floor Plan – Lighting

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

II. Add Drawing Note #5 to the (4) existing light fixtures shown on the north and east side of the building. The Drawing Note #5 shall read “Remove fixtures and reinstall after new surface is installed. Provide new backbox and mounting to accommodate new surface.”

III. Add “General Note.” Note shall read “Coordinate mounting heights of all fixtures in Masonry Lab, Machine shop and Welding shop with architectural reflected ceiling plan.”

f. Drawing E1.1 A – First Floor Plan – Lighting (Alternate)

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

g. Drawing E1.2 – Second Floor Plan – Lighting

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

h. Drawing E1.2 A – Second Floor Plan – Lighting (Alternate)

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

i. Drawing E1.3 – Attic Plan – Lighting

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

j. Drawing E2.1 – First Floor Plan – Power & Systems

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

II. Issued sketch SKE-12.

III. Issued sketch SKE-13.

IV. Issued sketch SKE-17.

V. Drawing Note #9 shall read “Not Used.”

k. Drawing E2.1 A – First Floor Plan – Power & Systems (Alternate)

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

II. Issued sketch SKE-14.

l. Drawing E2.2 – Second Floor Plan – Power & Systems

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

II. Issued sketch SKE-16.

III. Drawing Note #3 shall read “Not Used.”

m. Drawing E2.2 A – Second Floor Plan – Lighting (Alternate)

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

n. Drawing E2.3 – Attic Plan – Lighting

I. Add “General Phasing Note.” Note shall read: Contractor is responsible to coordinate all work with the overall project phasing. Refer to architectural documents for project phasing narrative.

o. Drawing E3.1 – Power Riser Diagram

I. Add to Drawing Note #1 “Provide (4) additional 4” spare conduits with pull cord per PPL’s requirements.”

II. Drawing Note #5 shall now read “Existing transformer vault. Modify exit points of secondary conduits per PPL recommendations to feed metering cabinet.”

p. Drawing E3.2 – Electrical Details

I. Issued sketch SKE-15.

q. Drawing E3.3 – Panelboard Schedules

I. Panel ‘MEC’, circuit #39 shall be for “water heater,” utilize 20A, single pole circuit breaker, feed with 2#12, 1#12G. in ¾” conduit.

II. Switchboard ‘SWBD’ shall have a 2000A Bus with 2000A Main Circuit Breaker (100% Rated).

III. Light Fixture Schedule, type RF-26, description shall read “7” Downlight”, catalog shall be C7126E-7251-LI-WF.

IV. Light Fixture Schedule, type RG-52, description shall read “7” Downlight”, catalog shall be C7226E-7251-LI-WF.

V. Light Fixture Schedule, type RI-52, description shall read “7” Wall Wash Downlight”, catalog # shall be C7226E-7211-LI-WF.

r. Drawing E3.4 – Panelboard Schedules

I. Panel ‘LA1’, circuit #24 shall become a spare circuit breaker.

II. Panel ‘LA2’, circuit #56 shall become a spare circuit breaker.

3.8 GENERAL CLARIFICATIONS

a. All plywood sills are to be painted. – See Finish Plans on A7.1 and A7.2.

b. The attic floor construction is to be removed in its entirety under the base bid.

c. Overhead coiling doors are to have a ¾ hour fire rating with the exception of exterior coiling doors 121/4 and 124/3.

d. There will not be axiom perimeter trim on the acoustical “cloud” ceiling system.

e. Fiber Reinforced Panels are to be installed from finish floor to 8’-0” high on all walls in Welding Shop 115 and Machine Shop 127 and on North and West walls of Material Storage/Tool Room 118.

QUESTIONS:

Questions received as of the date of this Addendum are listed below with respective responses:

a. **Q:** The HVAC plans show some mechanical louvers with a note stating that they are to be by the general contractor. Some of the louvers have no such note. Will the General Contractor furnish and install all louvers?

A: Yes. All louvers shall be furnished and installed by the General Trades Contractor.

b. **Q:** There is only a passing reference to coordination drawings. Will they be required by all trades?

A: Yes, coordination drawings are required in accordance with Specification 15050, Paragraph 1.6.A.1.h.

c. **Q:** Are ceiling plenum spaces to be considered as unconditioned spaces?

A: Refer to the definition of a non-conditioned space in Specification 15080, Paragraph 1.4.A.10. Ceiling plenums within the building insulation envelope are not considered non-conditioned spaces.

d. **Q:** Are ceiling cavities that are not ceiling plenums to be considered as unconditioned spaces?

A: Refer to the response to question “c” above.

e. **Q:** Is glycol required for these systems?

A: No, glycol is not required in the HVAC systems.

f. **Q:** The chill and hot water piping lists type “L” copper in the specification section but does not list for what sizes as was done for the black pipe. May the “L” copper be used for all sizes, or is it limited?

A: Pipe material to be utilized for chilled and hot water systems shall meet the requirements of Specification 15510, Paragraph 2.1. Paragraph 2.1 details acceptable piping materials. Use of each material within this list is the contractor’s choice, and the material shall be considered acceptable for all pipe sizes.

g. **Q:** Is there any antifreeze in the existing systems? If so, what type?

A: The engineer is not aware of antifreeze within the existing HVAC systems. Contractor shall confirm with the Owner.

h. **Q:** Contractor parking is to be in the lot across the street. Is there a fee for parking? If so, what is the cost?

A: There will be no fee for contractor parking.

i. **Q:** Alternate #5 states that there is mechanical work involved, but HVAC plans show no work. Is there any HVAC work involved with this alternate?

A: There is no HVAC work associated with Alternate #5.

j. **Q:** Construction Drawing H3.1 shows Mechanical Concrete Pads by G.C. Specification 15050 2.14 states mechanical pads are by mechanical contractor. Please clarify:

A: Concrete pads for mechanical equipment shall be provided by the General Trades Contractor. Regarding the specifications, 15050 2.14 does not state “Mechanical Pad by Mechanical Contractor.” It does state in 2.14.B., “Construct concrete forms and bases for equipment installed under this contract, where indicated or specified.” The HVAC & Controls Contractor is not responsible for pads, where the drawings indicate a pad provided by the General Trades Contractor. The HVAC & Controls Contractor is responsible for pads and other concrete work which are not called out to be provided by the General Trades Contractor.

k. **Q:** Regarding the light fixture schedule, are alternate manufacturers acceptable?

A: The Lighting Fixture Schedule shown on the drawings lists the fixture manufacturer that was used as the basis for design.

No other manufacturer is precluded provided the substitution meets the requirements of the Contract Documents, and the approval of the Architect and Engineer.

l. **Q:** Drawing S1.1 indicates G.C. is to remove and replace existing ramp with new 6" slab. Is the removal to be completed under Contract No.1 Selective Demolition?

A: Yes, removal of the ramp and replacement of the 6" slab is under contract No. 1 Selective Demolition. Refer to Specification 01125 – Summary of Contract for Contract No. 1, Item No. 1.

m. **Q:** Drawing A3.1 showing the North Exterior Elevation indicates new chain link fence along the building. However, Drawing A2.1 indicates fence in NIC. Please provide clarifications as to what areas receive new chain link fence.

A: The chain link fencing surrounding the future dust collectors is NIC.

n. **Q:** Are projection screens to be included in Contract No. 2? Drawing A6.17 indicates NIC.

A: Yes, projection screens are to be included in Contract No. 2, refer to Specification 11131.

o. **Q:** Please provide clarification on what areas are to receive FRP? Interior elevations show only on two (2) walls in the welding shop, however partition type 21, 22, 25, 27, 28, and 29 in the specifications call for FRP.

A: All interior walls in Welding Shop 115 and Machine Shop 127 are to receive FRP per the partition types.

p. **Q:** The existing concrete floor in this building has many issues. Are we to flash patch the entire existing concrete floors so that they are ready to receive flooring? The existing concrete sealer may have to be removed. Do we exclude this issue for now? If not, how are we to bid this item?

Self leveling floor compounds such as gypcrete may be a problem since the existing floor from one side to the other is some 18" out of level.

A: The existing floor will be flash patched only, not leveled.

q. **Q:** Who is responsible for removal of flooring mastic and/or concrete sealer on existing floors to prepare for new flooring?

A: The General Trades Contractor is responsible for removal of flooring mastic and/or concrete sealer on existing floors. Refer to Specification 03356, Section 3.05, Item A.

r. **Q:** The GC is responsible for the demolition of the welding shop walls and doors after the welding shop relocation. Does this scope of demolition include everything inside the temporary partition or just everything inside the Weld Shop CMU walls? Will the elevator and other items to be removed inside of the temporary partition be demolished by the Selective Demolition Contractor?

A: Scope of demolition includes everything inside the temporary partition. All such items will be removed by the Selective Demolition Contractor. Backfill, compaction and slab infill will be performed by the General Trades Contractor.

s. **Q:** Is all the exterior site work demolition, remove sidewalks, blacktop, bollards, fence, etc. to be performed by the GC?

A: No, the Selective Demolition Contractor is responsible for all the exterior demolition. Refer to Specification 01125, Item No.1

t. **Q:** Is gas powered equipment allowed to be used in the building if negative air machines are utilized?

A: Yes, provided appropriate air quality levels are maintained and that all applicable codes and safe practices are followed.

u. **Q:** What are the hours of occupancy in the Welding Shop Class?

A: Welding classes will be held Monday through Friday between the hours of 8:00 am and 9:00 pm.

v. **Q:** All of the Demolition listed on the Alternates. Is the Demo by the Demolition Contract, or is it to be picked up by the General Trades Contract?

A: Delineation of scope responsibilities is described in Section 01125 – Summary of Contract. The scope descriptions should be used to determine whether a particular scope item is the responsibility of the Selective Demolition Contractor or the General Trades Contractor.

w. **Q:** Frame FR-8 is on the plans but not in the DRM. What is it?

A: Remove FR-8 reference from Door 118/1.

x. **Q:** Please clarify size of axiom perimeter trim for acoustical ceiling clouds in lobby room #201 as shown on drawing A6.18.

A: There is no axiom perimeter trim being used for the acoustical ceiling cloud system.

END OF ADDENDUM