ADDENDUM #4

May 1, 2008

Re: HACC, Central Pennsylvania’s Community College
Gettysburg Expansion Project
HACC Solicitation #08-18

From: Eastern pcm, LLC
Construction Manager – HACC
212 Locust Street, Suite 604
Harrisburg, PA 17101

To: All Plan Holders

This Addendum is hereby made part of the Contract Documents for the above referenced project. The provisions of this Addendum are intended to supplement the provisions of the Contract Documents and/or supersede them where contradictory thereto.

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

Item 4.1 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 14, 2008. 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.
Item 4.2 CHANGES TO THE PROJECT MANUAL

Section 03300 – CAST-IN-PLACE CONCRETE

1. **Clarification**: The Installer Qualifications as stated in Paragraph 1.05, A, shall be waived, however all Flatwork installation requirements as forth in Specification Section 03300 shall be met.

Section 09650 – RESILIENT FLOORING

1. **Add** the following sentence to paragraph 3.02, A:

   Contractor is responsible to check all existing conditions and is reminded some existing floor finishes have been removed. Contractor is responsible for all sub-floor preparations as per the specifications.

Section 09685 – CARPET TILE

1. **Add** the following sentence to paragraph 3.02, A:

   Contractor is responsible to check all existing conditions and is reminded some existing floor finishes have been removed. Contractor is responsible for all sub-floor preparations as per the specifications.

Section 10100 – VISUAL DISPLAY BOARDS

2. **Change** 2.02, B., items 7 and 8 to read as follows:

   7. Frame: Clear anodized

   8. Use the following or any equivalent made by one of the listed manufacturers: Series 3 by Claridge.

Section 10441 – SIGNS

3. **Add** the attached graphics sheets at the end of this specification section as referenced in Paragraph 3.02, Item A.

Section 10800 – TOILET AND BATH ACCESSORIES

2. **Add** Paragraph 2.05 to read:

   **2.05 UTILITY ROOM ACCESSORIES**

   A. Combination Utility Shelf/Mop and Broom Holder: 0.05 inch thick stainless steel, Type 304, with ½ inch returned edges, 0.06 inch steel wall brackets.

   1. Hooks: 4, 0.06 inch stainless steel rag hooks below shelf.

   2. Mop/broom holders: 3 spring-loaded rubber cam holders at shelf front.

   3. Length: 34 inches.
4. Product: B-239 x 34 manufactured by Bobrick.

Section 13845 - LIGHTING CONTROLS
3. Add Specification Article 2.02.D.9. to read as follows:

9. Occupancy sensor and time control shall be integrated to allow occupancy sensor control after hours with hold on of lighting during occupancy scheduled time. During occupied time, control scenarios shall be selectable for time schedule of lighting on or occupancy sensor detection of lighting on initially and then hold on of lighting during occupied hours. Control shall provide selectable occupancy sensor blink warning prior to shut off and adjustable occupancy sensor time delay from the time clock keypad.

Section 13852 - DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM
2. Delete this existing Specification Section in its entirety. Replace with attached Specification Section 13852 entitled “DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM”.

Section 13930, WET-PIPE FIRE-SUPPRESSION SPRINKLERS
8. Part 2 Products, Page 13930-3, 2.02, STEEL PIPE AND FITTINGS, Add the following item:

I. Uncoated, cast iron threaded fittings, ASME B16.4, Class 125.

Section 13930, WET-PIPE FIRE-SUPPRESSION SPRINKLERS
9. Part 3 Execution, Page 13930-15, 3.14, PIPE SCHEDULES, Item D, Add the following item:

3. Schedule 10, black-steel pipe with roll-grooved ends; uncoated, grooved-end fittings for steel piping; grooved-end pipe couplings for steel piping; and grooved joints.

Section 13930, WET-PIPE FIRE-SUPPRESSION SPRINKLERS
10. Part 3 Execution, Page 13930-15, 3.14, PIPE SCHEDULES, Item E, Add the following item:

2. Schedule 10, black-steel pipe with roll-grooved ends; uncoated, grooved-end fittings for steel piping; grooved-end pipe couplings for steel piping; and grooved joints.

Section 15410, PLUMBING FIXTURES
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Section 15410, PLUMBING FIXTURES


Section 16055 - OVERCURRENT PROTECTIVE DEVICE COORDINATION

16. Add article 3.05 to read:

3.05 ARC FLASH STUDY

   A. Perform arc-flash study using approved computer software. Prepare a written report using the results of the Short Circuit Study and the Protective Device Coordination study. Comply with IEEE 391 and IEEE 1584.

   B. Define arc-flash conditions in accordance with IEEE 1584, and provide for PPE recommendations in accordance with NFPA 70E.

   C. Submit study results per minimum submittal format requirements.

   D. Include information, data, calculations, and supporting short circuit and coordination study information to provide a complete stand-alone reference document.

   E. Identify any deficiencies within study, and make recommendations for immediate resolution.

Section 16145 - LIGHTING CONTROL DEVICES

17. Delete Article 2.03 in entirety. Add Article 2.04.C.4. to read as follows:

18. **Add** Article 2.04.D.4. to read as follows:


**Section 16441 - DISCONNECTING AND OVERCURRENT PROTECTION**

19. **Add** Article 2.03.A.3 to read as follows:


**Section 16511 – SUBMITTALS**

20. **Add** Article 1.04.J to read as follows:

   J. Substitute Light Fixture Submission: Submit the following data for light fixtures substituted for named manufacturers for the Engineers approval.

   1. Manufacturers catalog cuts indicating type, design, dimensions, mounting arrangement and other industry standard lighting fixture information.

   2. Manufacturers’ photometric data, distribution curves, isolux charts, glare factor data, and coefficient of utilization.

   3. Point-to-point calculations for typical room applications showing the substituted fixture is equivalent to the named fixture, including average lighting levels, uniformity, and energy usage, showing the fixture is suitable for the location installed.
   
   a. **Indoor applications:** 3 ft x 3 ft. grid, maximum.
   
   b. **Outdoor applications:** 15 ft x 15 ft grid, maximum.

   4. Indicate degree of protection against dust and water for all wet and damp location applications.

**New Section 16715 - VOICE AND DATA COMMUNICATIONS CABLEING SYSTEM**

21. **Add** this Specification Section to the Project Documents.

**Section 16716 - COMMUNICATIONS BACKBONE CABLEING**

22. **Delete** this existing Specification Section in its entirety. **Replace with** new Section 16715 “VOICE AND DATA COMMUNICATIONS CABLEING SYSTEM”

**Section 16717 - COMMUNICATIONS HORIZONTAL CABLEING**

23. **Delete** this existing Specification Section in its entirety. **Replace with** new Section 16715 “VOICE AND DATA COMMUNICATIONS CABLEING SYSTEM”

**Item 4.3  CHANGES TO THE DRAWINGS**

Cover Sheet
24. **Add** to the Drawing Index “E-103 Partial First Floor Special Systems – Construction Plan”.

**Drawing C-101 Site Plan**

25. **Clarification**

The college desires a clean, newly surfaced and line striped parking area at the end of construction, and not a patchwork of old and new paving. Since installing the geothermal wells will require removal of some existing paving, and the area will also be used as a staging area, it is unknown the extent of existing paving that will be undisturbed by construction activities. The cost of additional pavement repairs caused by construction operations shall be the responsibility of the contractor.

The contractor shall replace 6” stone and 2-1/2’ base in all excavated and properly backfilled areas, and then a 1-1/2" wearing course overlay over the entire hatched area as indicated on sheet C-101. Any existing paving which was damaged by construction operations and is failing, shall also be reconstructed prior to overlaying new surface. Limited milling may also be required where overlay adjoins existing surfaces or utility appurtenances. Final surface should be free of any water retaining depressions and drain away from buildings. See Revised Sheet M-203 for well and piping locations.

**Sheet C-501 Site Details, Sketch C-501.2 Attached**

26. **Change** pole base detail as shown. **Add** General Note to read as follows: lines. Install all electrical service lines after geothermal well field and associated piping has been competed.”

**Sheet C-501 Site Details**

27. Detail 12 - Flagpole Base Detail, **Clarification:** The flagpole and ground sleeve will be furnished by Owner, installed by Contractor. All other associated items are to be provided by the Contractor, including lightning anchor.

**Sheet L-101 and L-101.1 Planting Plan**

28. **Clarification:** To confirm the quantities for the Zsgv (Zelkova serrata Green Vase). The revised quantity shown on the plant list on L-101.1 lists 16, however there are 20 plant symbols indicated on the Drawing, (one group was mis-labeled as 2 but should have read 3, as indicated by the plant symbols on the plan) Please furnish 20 Zsgv (Zelkova serrata Green Vase) as indicated by the plant symbols on the L-101 and L101.1 drawings.

29. **Clarification:** The Plant List shows Ground Cover Vimi (Vinca minor), there are none indicated on the drawings, or to be furnished. The total quantity of Limu (Liriope muscari) is 170, which was blank on the Plant List but is indicated on the Rain Garden typical.

**Sheet A-102 First Floor Plan**

30. **Change** dimension as shown on attached sketch A-102.1.

**Sheet A-201 Reflected Ceiling Plan**

31. **Add** GWB soffit as shown on attached sketch A-201.1.
Sheet A-1002 Door Schedule and Details, Interior Window Details

32. Add a note to read "Undercut door one inch" in the Remarks column of the Door Schedule for doors 140B, 141A, 141B, 141C, 141D, 141E, and 141F.

Sheet M-001 Mechanical Notes, Symbols and Abbreviations

33. Refer to "General Notes:" Remove Note #8 through #19 and replace with the following notes:

8. DUCT SMOKE DETECTOR SHALL BE FURNISHED, WIRED, AND INSTALLED BY CONTRACTOR.

9. CONTRACTOR TO PROVIDE A NEW SET OF FILTERS IN ALL HVAC EQUIPMENTS AT THE TIME OF SUBSTANTIAL COMPLETION PLUS ONE ADDITIONAL SET FOR ALL HVAC EQUIPMENTS.

10. ALL LOCAL GOVERNING CODES TO BE STRICTLY OBSERVED.

11. PUMP SHALL BE SELECTED SO THAT THE OPERATING POINT ON THE SELECTED IMPELLER CURVE WILL BE AT OR THE LEFT OF THE POINT OF MAXIMUM EFFICIENCY.

12. PROVIDE MINIMUM 12X12 ACCESS DOORS IN DUCTWORK AND THRU ARCHITECTURAL FINISHES FOR FIRE DAMPERS IN CONCEALED DUCTWORK.

13. ALL WORK AND EQUIPMENT SHALL BE THOROUGHLY CLEANED AND THE CONTRACTOR SHALL PROVIDE A NEW SET OF FILTERS IN ALL HVAC EQUIPMENT AT THE TIME OF SUBSTANTIAL COMPLETION PLUS ONE ADDITIONAL SET FOR ALL HVAC EQUIPMENT. TO BE READY FOR THE USE OF THE OWNER BEFORE FINAL INSPECTION AND APPROVAL BY THE ARCHITECT AND/OR HIS REPRESENTATIVE.

14. THE CONTRACTOR SHALL LAY OUT HIS WORK WITH THAT OF ALL OTHER TRADES AND BE RESPONSIBLE FOR ALL MEASUREMENTS, HE SHALL NOTIFY ARCHITECT AND/OR ENGINEER IF A CONDITION EXISTS WHICH PREVENTS WORK TO BE INSTALLED IN ACCORDANCE WITH THE INTENT OF THESE DRAWINGS.

34. Refer to “General Mechanical Notes:” Remove Note #9 and replace with the following notes:

9. REMOVAL AND DISPOSAL OF SOILS SHALL BE DONE IN ACCORDANCE WITH FEDERAL AND STATE ENVIRONMENTAL AGENCY STANDARDS.

Sheet MD-101 Partial First Floor Plan – Demolition

35. Refer to “Demolition Notes:” Refer to Note #4 and make the following change:

1. Change “Structural Engineer” to “Structural Drawings.”
Sheet MD-102 Partial First Floor Plan – Demolition

36. Refer to “Demolition Notes:” Refer to Note #4 and make the following change:
   1. Change “Structural Engineer” to “Structural Drawings.”

Sheet MD-103 Partial First Floor Plan – Demolition

37. Refer to “Demolition Notes:” Refer to Note #4 and make the following change:
   1. Change “Structural Engineer” to “Structural Drawings.”

Sheet M-101 Partial First Floor Plan – HVAC

38. Replace this drawing with new drawing M-101, attached.
   The following items represent some of the changes and are shown “clouded”.
   1. All rooms in scope of work excluding 001 (Vestibule):
      a. Ductwork has been re-routed to coordinate with structure. Duct main
         service to offices now runs in architectural soffit, or in rooms 142A & B
         (Facilities) with unfinished ceilings.

Sheet M-102 Partial First Floor Plan – HVAC

39. Replace this drawing with new drawing M-102, attached.
   The following items represent some of the changes and are shown “clouded”.
   1. Rooms 154A (Open Seating), 155 (Student Activities Meetings Space), 155A
      (Office):
      a. Ductwork has been revised, diffusers added to west wall at seating
         alcove and at seating adjacent to 155A (Office).
   2. Room 154 (Student Commons):
      a. Two diffusers on east side of room have been changed from 500 cfm to
         450 cfm, and 100 cfm diffuser has been added to drinking fountain area
         adjacent to Room 152 (Corridor).
   3. Room 156 (Lounge):
      a. Ductwork has been reconfigured to run parallel to bar joists, unit HP-1-10
         has been moved into adjacent corridor to east of Lounge.
      b. Transfer air duct has been added between Rooms 154B (Coffee) and
         156 (Lounge).
   4. Room 154B (Coffee):
      a. Ductwork to HP-1-09 has been re-routed through this room.
      b. Duct over corridor adjacent to Room 155 (Student Activities Meeting
         Space) has been changed to rectangular.
5. Rooms 173 (Learning Center), 160 (Computers):
   a. Ductwork has been re-routed to avoid penetrating CMU wall. Adjacent ductwork has been re-configured accordingly.

6. Room 174 (Enclosed Walkway):
   a. Unit HP-2-09 has been moved above Room 173 (Learning Center).
   b. General: Note has been provided to add lintel to penetrations at load-bearing walls.

**Sheet M-103 Partial First Floor Plan – HVAC**

40. Make the following changes:

1. Room 175 (Enclosed Walkway): See Attached Drawing M-103.1.
   a. Unit HP-3-06 has been moved above Room 177 (Classroom).
2. Room 183 (Mechanical Room): See Attached Drawing M-103.2.
   b. Note 'Above Doors' has been added to LV-1.

**Sheet M-104 Roof Plan – HVAC**

41. Make the following changes: See Attached Drawing M-104.1.

1. Existing RTU note has been added on roof near New Offices.
2. New RTU-N1 and associated rooftop ductwork serving New Offices area has been added.

**Sheet M-201 Partial First Floor Plan – Piping**

42. Replace this drawing with new drawing M-201, attached.

The following items represent some of the changes and are shown “clouded.

1. Ball valves have been added to hydronic piping at ERU-1, ERU-2, and at main branches near HP-1-04, HP-2-04, and HP-2-05.
2. Pipe anchors have been added to 3" mains near HP-1-09.
3. Pipe expansion loops have been added near HP-2-09 and at branch to HP-1-10.
4. Pipe guides have been added at expansion loop near HP-2-09.

**Sheet M-202 Partial First Floor Plan – Piping**

43. Replace this drawing with new drawing M-202, attached.

The following items represent some of the changes and are shown “clouded.
1. Pipe anchors have been added to 4" mains in Enclosed Walkway and to 6" mains near Mechanical Room door.

2. Ball valves have been added to hydronic piping at ERU-3, and at main branch near HP-3-05.

3. Butterfly valves have been added to 6" mains near Mechanical Room door.

4. A pipe expansion loop has been added to 6" mains near ERU-3.

5. Pipe guides have been added at expansion loop near ERU-3

6. The following piping modifications have been made in the Mechanical Room:
   a. A 6" bypass with circuit setter has been added.
   b. The chemical pot feeder loop has been reconfigured.
   c. HPS/HPR headers have been relocated and reconfigured.
   d. The 8" fire service is now shown.

Sheet M-203 Partial First Floor Plan - Piping

44. Replace this drawing with new drawing M-203, attached.

The following items represent some of the changes and are shown “clouded.

1. The previously submitted drawing to be replaced in its entirety with attached.

Sheet M-302 Mechanical Details

45. Replace this drawing with new drawing M-302, attached.

The following items represent some of the changes and are shown “clouded.

1. Pipe Expansion Loop detail has been added.

2. Diagram of Earth Coupled Heat Pump Piping System has been added.

3. Typical Pipe Section Thru Trench detail has been revised - pipe sizes, fill, and grade materials have been modified.

Sheet M-303 Mechanical Details

46. Make the following changes:

1. ‘Geothermal System Piping Diagram’ and ‘HPS/HPR Manifold Detail’ have been deleted.

2. Add the detail “Ductwork Support Above Roof” shown on Drawing M-303.1 attached.

3. Add the detail “Pitch Pocket Detail” shown on Drawing M-303.2 attached.
Sheet M-304 Well Field Schematic Layout

47. Replace this drawing with new drawing M-304, attached.

The following items represent some of the changes and are shown “clouded.”

1. Well Field Schematic Diagram has been revised, pipe configuration has been modified for the grouping of HPS/HPR piping.

Sheet M-401 Mechanical Schedules

48. Make the following changes:

1. Air Device Schedule has been updated. Supply register designations have been added. See Attached Drawing M-401.1.

2. Energy Recovery Unit Schedule has been modified. Water gpm and pressure drop columns have been added. See Attached Drawing M-401.2.

Sheet M-402 Mechanical Schedules

49. Make the following changes:

1. Geothermal Water Heat Pump Schedule has been updated. GPM, Head, Efficiency HP, motor data, and model have been modified. See Attached Drawing M-401.1.

2. Expansion Tank Schedule has been updated. Tank volume, acceptance volume, and model have been modified. See Attached Drawing M-401.2.

Sheet P-001 – Plumbing Notes Symbols And Abbreviations

49. Change to Fixture Schedule: See Sketch P-001.1

Sheet PU-001 – Site Utilities – Plumbing

49. Add the following:

a. 8 Inch Fire Service Line: See Sheet M-203 for depth and coordination with earth coupled heat pump piping.

Sheet PD-102 – Partial First Floor Plumbing – Demolition Plan

Add the following notes:

b. Note 17, Existing rooftop unit removed.

c. Note 18, Plumbing Contractor shall arrange with gas company to remove existing gas meter and cap line.

d. Note 14, Delete in its entirety.
Sheet PD-103 - Partial First Floor Fire Protection – Demolition Plan

50. Change the following notes:

   a. Note Tag 7 on existing water piping, disregard this note, this water piping to remain. See note on Sheet P-102.
   b. Note 13, Remove the words “and plug.” Replace with the word “gas.”
   c. Note Tag 14, Change to Note 12; there is no Note 14.
   d. Note Tag 22, Delete. There is no Note 22 on this sheet.

Sheet PD-202 – Partial First Floor Fire Protection – Demolition

51. Clarification: There are no existing sprinklers between Column Lines I and P. The building is only sprinklered to the left of Column Line I.

Sheet P-101 – Partial First Floor Plan – Domestic Water

52. Change the following:

   a. Water heater, left side of plan adjacent to Column Line F. The note should read, Junction Box by E.C. for start of HWAT System 30 A – 208V – 1 ph.
   b. Room 151 Bookstore, delete the note “End of Hot Water System” and replace with “End of HWAT System.”
   c. Revised water piping at 154B Coffee, see attached Sketch P-101.1.

Sheet P-102 – Partial First Floor Plan – Domestic Water

53. Change the following:

   a. Mech. Room 183, note at existing water service. In the first sentence, remove the word “Plumbing” and replace with the word “Plumb.”.
   b. Water Heater Piping Detail: Size of cold water out of wall to sink and water heater is 1/2 inch.

Sheet P-201 – Partial First Floor Plan – Sanitary Sewer

54. Change the following:

   a. Roof Drain P-9 on Partial First Floor Plan – Sanitary Sewer. Relocate P-9 roof drain to along Column Line 1.5 and centered, see Sheet A-301.
   b. Revised sanitary piping at 154B Coffee, see Sketch P-201.1.

Sheet P-202 – Partial First Floor Plan – Sanitary Sewer

55. Change the following:

   a. Partial Floor Plan and Mezzanine Plan: Delete all notes relating to existing 3 inch roof drain and 3 inch RWC. Roof drain and 3 inch RWC to remain. No work required.
Sheet P-302 – Partial First Floor – Fire Protection

56. **Change** the following:
   
a. Revised sheet to show additional areas requiring sprinklers. See revised Sheet P-302, attached.

Sheet P-303 – Partial First Floor – Fire Protection

57. **Change** the following:
   
a. Revised sheet to show additional areas requiring sprinklers. See revised Sheet P-303, attached.

Sheet P-401 – Overall Roof Plan – Plumbing

58. **Change** the following:
   
a. See revised Sheet M-203 for proposed new gas service and gas meters location.

   b. The rooftop unit on the second floor roof located between Column Lines P and T and on Column Line 5 is shown because we are running new gas line from the relocated gas meter. The ¾ inch and 1 inch gas is presently fed with 1-1/4 inch line up through the roof. We are replacing the 1-1/4 inch with new 1-1/4 inch located on the roof. See revised Sheet P-401.

   c. Revised gas piping and connect ERU-3. See revised Sheet P-401.


Sheet E-001 Notes, Symbols and Abbreviations, Sketch E-001.2 Attached

59. **Add** “ETBR – Existing to be Replaced”, “SCC – Short Circuit Current” and “UNO – Unless Noted Otherwise” to the Abbreviations list. **Change** the organization of the door hardware symbols as shown. **Add** Note G10 as shown. **Change** Note G5 as shown.

Sheet SU-001 Site Plan – Electrical, Sketch SU-001.1 Attached

60. **Add** Pennsylvania One Call to sheet.

Sheet SU-002 Site Plan – Lighting, Sketch SU-002.3 Attached

61. **Add** Pennsylvania One Call to sheet.

Sheet ED-101 Partial First Floor Power & Special Systems – Demolition Plan, replace with attached sheet

62. **Delete** all combination Horn/Strobe notification devices as shown.
Sheet E-101 Partial First Floor Power & Special Systems – Construction Plan, replace with attached sheet

63. Change all combination Horn/Strobe notification devices to Speaker/Strobe notification devices. Change all Fire Alarm Horns to Fire Alarm Speakers. Add junction boxes above ceiling for Door Access Power Supplies and associated circuits as shown. Add saw cutting and conduit for power and data in computer areas as shown. Add one section to Panel 1RL3 and 1RL4 as shown. Change circuiting as shown. Add Notes as shown.

Sheet E-102 Partial First Floor Power & Special Systems – Construction Plan, replace with attached sheet

64. Change all combination Horn/Strobe notification devices to Speaker/Strobe notification devices. Change all Fire Alarm Horns to Fire Alarm Speakers. Add new addressable pull stations as shown. Add junction boxes above ceiling for Door Access Power Supplies and associated circuits as shown. Change circuiting as shown. Add junction box and associated circuit for circuit setter in Mech. Room 183 as shown. Change location of Switchboard (SWBD) and Main Ground Bus (MGB) from the Mezzanine to locations shown in Mech. Room 183. Change Note 8 to read as shown. Add Note 17 & 18 to read as shown.

New Sheet E-103 Partial First Floor Special Systems – Construction Plan

65. Add this new sheet to bid set. Add wall mounted Strobe (use existing back boxes) and ceiling mounted Speaker (provide new back boxes) notification devices as shown.

Sheet E-201 Partial First Floor Lighting – Construction Plan, replace with attached sheet

66. Change lighting fixture tag for light fixture near west door of room 172 from Type J to Type H. Change lighting fixture tag for light fixture in room 141A from Type H to Type J. Change lighting fixture Type W in room 151 to Type D. Add LCP1 lighting control panel in location shown. Add low voltage switches for lighting control panel LCP1 in areas shown. Add occupancy sensors as shown.

Sheet E-202 Partial First Floor Lighting – Construction Plan, Sketch E202.1 Attached

67. Add Low voltage switches at locations shown. Connect to new LCP1 panel shown on Sheet E-201. Add remote head for egress lighting outside Vestibule 176. Change Note 2 to read as shown.

Sheet E-301 Vestibule – Construction Plan, Sketch E301.1 Attached

68. Change location of Fire Alarm Graphics Panel (FAGA). Update existing FAGA to reflect new areas of coverage and zones. Replace existing FARA provide new FARA with microphone. Change Note 2 as shown. Add Notes 4, 5 and 6 as shown.

Sheet E-403 Roof Electrical and Mechanical – Coordination Plan, Sketch E-403.2 Attached

69. Delete fused disconnect from RTU on roof. Change receptacle to be GFI Weatherproof.
Sheet E-602 New Electrical Riser Diagram, replace with attached sheet

70. **Change** location of Switchboard (SWBD) as shown. **Change** 1RL3 to a 225A MLO panel. **Change** connection between 1RL4 and 1RL3 to feed-thru type connection. **Change** Note 1 & 23 as shown. **Add** Note 27 as shown.

Sheet E-701 Light Fixture Schedule, Sketch E701.2 Attached

71. **Delete** lighting fixture types S and P from the Lighting Fixture Schedule.

Sheet E-702 Electrical Schedules, Sketch E-702.2 Attached

72. **Add** a new column called “Conduit” to Dry Type Transformer Schedule as shown. **Change** Bonding Jumper to Ground as shown. **Add** Transformer Notes to the schedule as shown.

Sheet E-702 Electrical Schedules, Sketch E-702.3 Attached

73. **Change** Panelboard Summary as shown. **Add** Note 8 as shown.

Sheet E-702 Electrical Schedules, Sketch E-702.4 Attached

74. **Change** Main Switchboard Schedule as shown. **Add** Notes 8 & 9 as shown. See sketch E-702.3 for note 8 application. **Change** trip rating of Main circuit breaker from 2000A to 1600A.

Sheet E-703 Schedules, replace with attached sheet

75. **Change** MIN SCC ratings for 1RL1, 1RL2 & 1RL3 to 10KAIC. **Add** three circuits 1RL1-34, 35 & 36 for Card Readers and Door Actuators as shown. **Add** two circuits 1RL2-49 & 50 for Card Readers as shown. **Add** second section to Panel 1RL3 as shown. **Add** circuit # 37 to Panel 1RL1 for circuit setter.

Sheet E-704 Schedules, replace with attached sheet

76. **Change** MIN SCC ratings for 1RL4 to 10KAIC. **Change** MIN SCC ratings for 1LH2 to 22KAIC. **Add** two circuits 1LH2-20 & 22 for LCP1 and LCPES to Panelboard Schedule 1LH2 as shown.

Sheet E-705 Schedules, Sketch E-705.2 Attached

77. **Change** MIN SCC ratings for LCPH to 18KAIC.

Sheet E-801 Enlarged Electrical Room & Mezzanine Plans, Sketch E-801.2 Attached

78. **Delete** SWBD and MGB from the Mezzanine. **Delete** Notes 7 & 8 as shown.

Sheet E-802 Details, replace with attached sheet

79. **Add** LCP1 and LCPES lighting control switch schedules as shown. **Add** Fire Alarm Riser Diagram as shown. **Add** Note 15. **Change** location of SWBD and MGB from the Mezzanine to locations shown in Mech. Room 183.
Lighting Clarifications

80. Occupancy Sensor shall control lighting in same room as sensor. When room lighting is controlled by an LCP, occupancy sensor shall be interconnected to operate with the LCP to control the lighting as specified in Article 13845-2.02.D.9 above.

81. Occupancy Sensors types are defined for each room above in Articles 16145-2.04.C.4 and 2.04.D.4 above.

82. Emergency egress battery packs are to be located above the ceiling mounted to the nearest wall.

END OF ADDENDUM