

PUBLIC BUILDING COMMISSION OF CHICAGO

ADDENDUM NO.02 TO CONTRACT NO. 1494  
For  
GWENDOLYN BROOKS COLLEGE PREPARATORY ACADEMY  
250 EAST 111<sup>TH</sup> STREET, CHICAGO, ILLINOIS 60628  
ADDITIONS AND RENOVATIONS

DATE: January 29, 2010

NOTICE OF CHANGES IN CONTRACT DOCUMENTS

The following changes are hereby made in the Contract Documents.

**Changes to Book 1 PROJECT INFORMATION, INSTRUCTIONS TO BIDDERS, AND EXECUTION DOCUMENTS:**

II. Project Information, B. Time of Completion: Change text to read: "Substantial Completion of the Work must be achieved within the durations and dates for each of the Phases listed below:

**1. Phase I: Area "A" Athletic Center Addition Work, Demolition/Removal of Structures, Connection Link to Existing Building "B", and Associated Landscaping and Site Work.**

- All Work for Phase I shall be completed within 460 calendar days of issuance of the NTP.

**2. Phase II: Area "B" Existing School Building Interior Renovation Work, Interior Demolition, Reconfiguration of the Retention Pond, New Rain Garden (located east of the existing north parking lot), New Rain Garden (located south of the new east parking lot), Furnishing and Installation of a New Emergency Generator, Upgrades to Existing MEP and FP Systems, New East Parking Lot, New Drives, Landscaping, and Site Work.**

- All Work associated with the interior renovations of the existing school building (Building "B") shall commence and be completed during the summer recess periods only. No work will be permitted during the 2010 and 2011 school sessions. Contractor must obtain written approval from the Commission for performing any work during any other holiday breaks. All Work associated with the interior renovations, including upgrades to the existing MEP and FP system, with the exception of the Library and Performing Arts areas shall commence on June 19, 2010, and be completed by no later than July 15, 2011. All Work associated with the Library and Performing Arts areas shall commence on June 18, 2011, and be completed by no later than August 19, 2011. (Note: The existing library and performing arts areas are scheduled to be vacated starting June 18, 2011.)
- All Work associated with the reconfiguration of the retention pond, and construction of the new rain garden (located east of the existing north parking lot) shall be completed within 152 calendar days of issuance of the NTP.
- All Work associated with the construction of the new east parking lot, rain garden (located south of the new east parking lot), new drives, landscaping, and site work shall be completed within 460 calendar days of issuance of the NTP.
- All Work associated with the furnishing and installation of the new emergency generator shall commence on June 19, 2010, and be completed by no later than July 30, 2010.

**3. Phase III: Area "C" Performing Arts Addition Work, Connection Link to Existing Building "B, New Drives, and Associated Landscaping and Site Work:**

- All Work for Phase III shall be completed within 460 calendar days of issuance of the NTP."

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### Changes to Book 3: TECHNICAL SPECIFICATIONS:

1. Section 01030 Construction Operations and Site Utilization Plan: Replace Section in its entirety. Section is included at the end of this addendum as an attachment.
2. Section 02550 Permeable Pavers: Modify Part 2.1.3.C.a to read:  
"a. 240 mm (10 in) x 240 mm (10 in) x 80 mm (3-1/8 in) thick"
3. Section 02700 Sewer Drainage: Delete Part 2.3, B and replace with following:

"B. Manhole Frames and Covers: ASTM A-48, Class 35B, cast gray iron and per current city code. Include indented top design with lettering cast into cover:

1. Sanitary Sewerage Piping Systems: Raised flush letters per current city code.
2. Storm Drainage Piping Systems: Raised flush letters per current city code.
3. Dry Well: Raised flush letters per current city code."

Delete Part 2.4, B and replace with following:

"B. Frames and Grates: ASTM A-48, cast gray iron per current city code. Include indented top design with lettering cast into cover:

1. Storm Drainage Piping Systems: Raised flush letters per current city code.
2. Dry Well: Raised flush letters per current city code."

4. Section 02930 Extensive Green Roof Landscaping: Part 2.2, F, 5: Color shall be changed from "Natural" to "Glacier White".
5. Section 04200 Unit Masonry:

Part 2.1, A, 3a: Add Glen Gery / SIS81. 4a: Change Redland Brick/Harmar #880 to #885

Delete Part 2.1, B, 4 thru 6, and replace with following:

4. Ground-Face CMU: Conform to requirements of ASTM C90 for hollow or solid CMU except provide units with exposed faces (one or both as required) matching Architect's selections for color and texture to Architect's satisfaction.
  - a. Products: Subject to compliance with requirements, provide products of one of the following:
    - 1) Trenwyth Industries TrendstonePlus
    - 2) Van Poppelen Bros SatinStone
  - b. Types:
    - 1) GFCMU - 1
      - (a) Manufacturer/Product: Trendwyth/Trendstone Lt. Karmel at construction within existing building (Building B) and Trendwyth/Trendstone Plus Lt. Karmel at the new additions (Buildings A & C).
      - (b) Size:

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- (i) New Additions: 15-5/8" long x 7-5/8" high
    - (ii) Existing Building: 15-5/8" long x 7-5/8" high scored for 8" x 8" appearance
  - 2) GFCMU – 2
    - (a) Manufacturer/Product: Trendwyth/Trendstone Lincoln
    - (b) Size:
      - (i) 15-5/8" long x 7-5/8" high
- 5. Weight: Provide medium weight units producing dry weight of not more than 125 lbs. per cubic foot, except as acceptable for ground faced units.
  - a. For ground-faced block, provide medium weight units using aggregates complying with ASTM C 33 or ASTM C 331 as required to match color and texture of Architect's selections to Architect's satisfaction.
  - b. For ground-faced block, fill the ground surfaces with a cementitious grout having a minimum cured strength and durability equal to the block.
- 6. Exposed Faces:
  - a. Provide fine texture.
  - b. Where ground-faces are shown or scheduled, provide CMU with exposed faces matching the color, texture and pattern of the Architect's sample.
  - c. Where ground-faces are shown or scheduled, provide units having producer's standard factory-applied finish having resistance to Soiling and Cleansability complying with Paragraph 5.7 of ASTM C744."

Add the following item to Part 2.1,B:

- 8. Acoustical Concrete Masonry Units (ACMU): Provide lightweight units, each with two slot type apertures to produce sound absorption and diffusion. Slots and edges shall be straight and clean. Units shall conform to ASTM C90.
  - 1. Manufacturer / Product: Proudfoot Co., Inc. / Soundblox Type A-1
  - 2. Size (nominal dimensions): 8" x 8" x 16"

After Part 2.4, A, add the following:

- 1. Perform the following field tests, a minimum of 3 sample each, per 5000 sq. ft. of wall area.
  - a. Mortar compression test per ASTM C780
  - b. Grout prism test per ASTM C1019
  - c. Concrete masonry prism test per ASTM C1314
  - d. Flexural bond strength of brick when brick are structural test per ASTM C1072
  - e. Cone slump test for grout as required"

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6. Section 08520 Aluminum Windows: Delete Part 3.3 FIELD QUALITY CONTROL, and replace with the following:

"3.3. FIELD TESTING

- A. Field Tests: Contractor shall perform and pay for onsite tests of selected installed windows or window system components. Test newly installed Aluminum Window products as directed by the Commission's Representative for air leakage and water penetration resistance.
1. All new Aluminum Window products shall be field tested in accordance with AAMA 502-08 by an AAMA accredited laboratory as selected by the Commission's Representative, the Aluminum Window Manufacturer and engaged by the responsible Contractor.
    - a. Independent testing laboratory engaged to perform tests will meet all requirements of AAMA 204-98.
  2. Costs for all tests, both original and retests shall be paid for by the responsible Contractor. All unsuccessful tests, both original and retest, shall be paid for by the responsible Contractor.
  3. All testing work in accordance to AAMA 502-08 of newly installed Aluminum Windows shall begin at 25% complete of installation after completed system mockup approval and shall be completed prior to issuance of a certificate of substantial completion for Aluminum Window work.
  4. Testing Quantity: Erect test chambers for each window product type identified on plans. Test three (3) Aluminum Window products of each type, or three (3%) percent of each type of Aluminum Window product installations, whichever is greater; for air infiltration and water penetration as specified in accordance to AAMA 502-08. Test at 3 different times, 25%, 50%, and 75% of installation as directed by architect.
  5. Test Parameters:
    - a. Air infiltration field tests shall be conducted at the same uniform static test pressure as the laboratory test unit. The Maximum allowable rate of air leakage shall not exceed 1.5 times the laboratory test unit for hardware and glazing types consistent with the laboratory test unit. The field test air leakage rate shall not exceed 1.5 times the maximum allowable laboratory performance specified in the testing criteria listed in Section 1.5.D above for any configuration.
    - b. Water penetration field tests shall be conducted at a static test pressure of 90% of the laboratory test performance values for hardware and glazing types consistent with the laboratory test unit. The field test water test pressure shall not be less than 90% of the minimum allowable laboratory performance specified in the testing criteria listed in Section 1.5.D above for any configuration.
  6. All work on Aluminum Windows that fail the field tests shall be re-executed until the installation passes the field testing. Modify methods of installation of subsequent work to incorporate required corrections identified by the testing process and approved by architect and commission representative."

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7. Section 08710 Hardware:

At hardware Set #27, add the following note:

"HS #27 NOTE: Provide threshold 626S 5" and sweep 345-B at Doors A102A & C105A"

At hardware Set #34, add the following note:

"HS #34 NOTE: Provide knurled hardware on the stair side of Door C215"

At hardware Set #48, add the following note:

"HS #48 NOTE: Aluminum door and frame manufacturer shall furnish thresholds and sweeps at Doors A101E, A101F, A101G, A116E, A116G, A116H, C101E, C101F, C101G & C128B"

At hardware Set #49, add the following note:

"HS #49 NOTE: Aluminum door and frame manufacturer shall furnish thresholds and sweeps at Doors A101H, A116F & C101H"

8. Section 09510:

Part 2.2, F, 4. Core Material: Add b. for (2) layers of kerfed ¾" MDF.

9. Section 10521 Installation of Fire Extinguishers: Part 1.1, add the following:

"B. Contractor shall provide fire extinguishers and cabinets as designated on fire protection drawings."

10. Section 15625 Centrifugal Water Chillers:

At Part 1.4, C: Change to read "Performance Tolerance: Comply with ARI 550/590"

Delete Part 1.4, C, 1 & 2.

At Part 1.5, B, add "3. Credit EA5: Certification that the equipment provided is equipped to provide continuous monitoring of energy consumption over time to the BAS"

At Parts 3.3, C and 3.3, D, the last sentence of each paragraph should be changed to read: "Make connections to chiller with a flange or mechanical coupling."

11. Section 15725 Modular Indoor Air Handling Units: Part 2.7, E, Delete "2. Access door inlet screen (on AHU casing)"

### Changes to Book 3A: TECHNICAL SPECIFICATIONS:

1. Section 02001 - Summary of Existing Conditions, - Replace Section in its' entirety. Section is included at the end of this addendum as an attachment.
2. Section 02089 - Hazardous Waste Management, - Replace Section in its' entirety. Section is included at the end of this addendum as an attachment.
3. Section 02116 - Underground Storage Tank Removal, Issued in Addendum 1 - Section 1.1, A. delete "Appendix A, Suspect Underground Storage Tank Information, provides a list of USTs suspected of being present at the site, if any." No USTs have been identified in work areas. Should an UST be encountered, Contractor shall remove in accordance with this specification.

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### Changes to DRAWINGS:

1. G0.2: Add TR4.1, THEATER EQUIPMENT – COORDINATION PLANS AND SECTIONS to drawing list.
2. R001 Environmental Plan – Replace General Notes 7 and 8 in their entirety with the following:

7. Contractor shall be responsible to review site preparation contract documents and other available documents listed in section 02001, 1.4 in regard to lead based paint. No lead-based paint was identified within the designated demolition/renovation areas of the existing building during the inspection. However, lead-based paint may be present within inaccessible areas of the building and it is the responsibility of the contractor to take appropriate safety measures in accordance with applicable federal, state, and local rules and regulations including OSHA (Section 1926.62) compliance, waste characterization, and proper disposal of wastes.

If during the course of demolition/renovation, lead-based paint or suspect lead based paint requires disturbance to the extent as to require removal from its substrate, demolition/renovation will cease in that area until mitigation can be performed. Lead-based paint mitigation shall be conducted following specification 02133 - Lead-Based Paint Mitigation and specification 02136 - General Dust, Fume, and Odor Control.

8. Contractor shall be responsible to review Site Preparation Contract Documents and additional survey documentation in Section 02001, 1.4 in regard to asbestos containing materials. Asbestos containing materials were not identified within the designated interior areas of renovation. All roofing materials are assumed asbestos containing. Contractor shall perform abatement in accordance with using 02132 - Asbestos Abatement for Exteriors, if roofing materials are disturbed or require removal as part of their Work.

Contractor shall also coordinate with the MEC and conduct exploratory demolition within the pipe chases of the faculty washrooms, beneath the elevated flooring of rooms 403, 405 and 407 and any additional areas that will result in the penetration of previously inaccessible areas.

If suspect asbestos containing materials are identified, additional inspection and sampling shall be conducted by the MEC. Should during the course of demolition/renovation, an asbestos-containing material or suspect asbestos containing material require disturbance or removal, demolition/renovation will cease in that area until abatement is complete. Asbestos abatement shall be conducted following specification 02131 - Asbestos Abatement for Interiors and/or specification 02132 - Asbestos Abatement for Exteriors.

3. As-built" drawing and utility report sheet: Provided for contractor's reference only.
4. C3.1 – Added ADA warning tiles to accessible curb ramps.
5. C3.2 – Added ADA warning tiles to drop-off areas.
6. C5.0 - Detail 11-B, Change signage to read: "Fuel Efficient and Low Emission Vehicle Parking Only" Detail 11, Provide a third sign "Type C" that reads: "Carpool Drop-off Area for Fuel Efficient and Low Emission Vehicles"
7. C5.2 – Added ADA warning tile details.
8. General Note to be added to drawings L1.1, L1.2, L1.3, L1.4, L1.5, L1.6, L2.1: "All quantities are approximate and for reference only, not for construction. Contractor to verify and submit all quantities for O.R. review prior to bid and installation.
9. L1.7 - Description for Detail FD1 should read: 4' tall ornamental fence details. Description for Detail FD2 should read: 4' tall single swing gate detail
10. A1.1B – Plan K3: Add the following to the note at new freezer at Dry Storage BW109 "Provide a total of four (4) shelving units 48" in length by 12" in depth each".
11. A1.1C – Added a 36"X36" fire rated access door and frame to the west wall of Corridor C152.

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12. A3.5 - Added elevation and detail for high roof access ladder at north wall of Library roof.
13. A4.1A- Clarified scoreboard notes in Gym to read "Scoreboard #1 centered on basketball court. Scoreboard contractor to grout CMU solid at anchor locations as required."
14. A4.1A – Clarified scoreboard note in Natatorium to read "Scoreboard #1 centered on pool. Scoreboard contractor to mount per manufacturer's recommendations and grout CMU solid at anchor locations as required."
15. A5.15 – Clarifications at Detail K12.
16. A6.1 – Added detail for overhead door jamb – see attached.
17. A6.6 – Added notes and clarification.
18. A6.7 - Added notes and clarification.
19. A6.8 - Added notes and clarification.
20. A8.1 & A8.2 – Added 2 foot by 4 foot benches for accessible lockers. One bench per locker room – see attached.
  
21. A8.1, A8.2, A8.6, A8.8 – Added accessibility sign to all accessible lockers – sign type S3.
  
22. A8.6 – Added soap and paper towel dispensers at the sink in the Faculty Dining Room BC123.
  
23. A8.8 – Tables in the New General Science Lab are to be provided by the G.C. Only the stools will be provided by the owner.
24. A8.10 – Provide +/- 26' long pipe rail behind the middle rear seats at the high seating section of the Auditorium. Rail to be similar to rail shown in 8H/A8.16. 2'-10" AFF and painted.
25. A12.1 – Door Schedule: Door A116h – Revise Hardware Set to 48. Door C105A – Revise Hardware Set to 27
26. A12.1 – Change Door C121B from wood to Hollow Metal.
27. A12.2 – At HM11 Change glass type from GL-6 to GL-4.
28. A12.2: Add the following general note to Door Types "Provide 5" diameter frosted appliqué displaying the universal symbol for accessibility (see Type S3 on sheet A14.1) to the interior and exterior of each glazed door that operates with a power assist operator. Centerline of signage shall be placed 5'-0" above finish floor."
29. A13.1 – Finish Schedule – Revise Athletic Building Schedule as follows:
  - a. Corridor A110 - South Wall – should be GFCMU-1
  - b. Lobby A117 - East Wall – should be GFCMU-1
  - c. Pool Office - A118 East Wall – Should be GFCMU-1
30. A14.1 – Added sign type 23 for bather occupancy signage at pool.
31. A14.1 – Add general note as follows: "3. Provide signage Type S3 at all new accessible lockers in Buildings A, B and C, whether or not a signage key note is provided".
32. A14.3A – Location of sign type S23 – see attached.
33. S0.0 - 091122 General Notes
  - 01000 General - add the following:
    - E. All work shall be in accordance with the complete set of Contract Documents including the Technical Specifications and drawings. The Technical Specifications shall govern any discrepancies between the Technical Specifications and the drawings.

### 04810 – Unit Masonry Assemblies

Note B.3 shall be revised as follows:

Concrete Masonry Unit  $F'm = 1,500\text{psi}$ .

Omit common brick

Omit hollow brick.

Note E. Quality Assurance: delete in its entirety.

### 05120 – Structural Steel

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Note A. shall read as follows: A. structural steel shall be detailed, fabricated and erected in accordance with the AISC "Load and Resistance Factor Design Specification for Steel Buildings", the AISC "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings", and the AISC "Code of Standard Practice", latest edition.

Note C. Connections

Note 1 shall read as follows: 1. All steel connections shall be designed and detailed by the Illinois Licensed Structural Engineer (SE)...

E. Testing and Inspection

Note 10 shall read as follows: 10. The Owner's structural steel testing laboratory shall perform all field inspections and testing.

F. General

Revise Note 3 as follows:

Prime paint all structural steel in accordance with Technical Specifications and following SSPC...

34. MEP0.1 – Revision made to RF-1.1 and CU-1

35. M1.1C - Add CO2 sensors to the C122 Choral Room and C113 Instrumental Room.

36. M1.2C - Add CO2 sensors to the C209 Distance Learning Computer Room and C200A Library

37. M7.1

- a. Revisions have been made to the code required supply and exhaust airflow rates for the Natatorium.
- b. Under the refrigeration schedule, AHU-1/CU-1 compressor power, tonnage and charge of refrigerant has been modified.

38. M7.3

- c. Filter Schedule for all AHUs have been added.
- d. Air cooled condenser CU-1 performance has been revised
- e. Return/Exhaust fans RF-1.1 and RF-1.2 performances have been revised.

39. M7.4

- f. AHU-1 performance has been revised.
- g. Filter tag has been revised to match with new filter schedule.

40. Electrical contractor to provide lighting circuit connection for lights located inside of each Air Handling Unit. Lights are provided as a package with AHUs.

41. E2.0 – At fixture types C1, C1A & C1Q, in remarks column, change "wet location" to "Natatorium Grade"

42. E5.5 – Electrical Schedule: "Motor Wiring Schedule" - circuit breakers clarification provided for following "Return Fans":

- RF-1.1 and RF-1.2 fed from 2MPA3 circuits 14,16,18, OCP 50A
- RF-2 fed from 2MPA2 circuits 7,9,11
- RF-3 fed from 2MPA1 circuits 7,9,11
- RF-4 fed from 2MDPC1 circuits 25,27,29
- RF-5 fed from 2MDPC1 circuits 14,16,18
- RF-6 fed from 2MPC2 circuits 2,4,6
- RF-7 fed from 2MDPC1 circuits 26,28,30

### QUESTIONS & ANSWERS:

12.

1. Wall section K4/A5.1 details the wall construction at the composite metal panels. This wall section calls for the following composition:

Composite metal panel system  
Air infiltration barrier

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1" polyisocyanurate insulation & girts  
Sheathing

When working with insulation on the outside of the sheathing, the water line should be at the face of the sheathing, not at the face of the insulation. Our recommendation for these areas would be to utilize a spray on vapor barrier (see section 07270) on top of the sheathing. The insulation / girts / composite panels would then be installed over top of this spray on vapor barrier. Please review and consider incorporation into bid documents.

**ANSWER: The vapor retarder and air infiltration barrier is provided by the closed cell spray foam insulation within the framed bays, typically. The air infiltration barrier in this detail is provided as a protective layer and a secondary weather barrier over the 1" polyiso insulation.**

2. Sheet A1.2B detail K3 at gym state "backstops will need to be modified from front fold to side fold in order to accommodate batting cages. Please confirm all six backstops need this requirement.

**ANSWER: Yes, all six backstops need to be modified to accommodate three batting cages.**

4. Sheet A8.1 shows two hair dryers across from the water coolers in the women's area. We assume these are the same as the hand dryers and included in the contract. Please confirm.

**ANSWER: Yes, the hair dryers are the same as hand dryers – just mounted at a different height. They should be included in the bid.**

5. Section 11062 Stage Rigging 1.07 A. states to issue a "t" year guarantee. Please clarify what guarantee is required.

**ANSWER: Please see Addendum #1. The "t" has been changed to "two".**

14.

AHUs (15725)

1) Spec section 2.2 G The spec requests that AHUs with broken down segments be field tested for leakage and deflection. Typical AHUs with the scheduled performance require shipping splits. So the AHU ships in "segments" that are then slid together once in the mechanical room and bolted in the field. Segments could be further broken down to their bare components if they are too large to fit through the installation path (so you would then have to reassemble the walls to the base and the roof). Does the field testing requirement listed in 2.2G reference AHUS that are segmented or AHUs that are segmented and then broken down?

2) Spec section 2.7 E 2. Provide fans with the following accessories: "Access door inlet screen (on AHU casing)" It is unclear what an access door inlet screen on the AHU casing is. Is this calling for a screen around the whole fan with an access door on it? Or is this saying a screen covering the unit access door opening is needed? Or is this further reference to the fan inlet screens saying that the inlet screen should act as a door to the opening of the fan inlet?

**ANSWER:**

**1) The air leakage test shall take place regardless of the extent of the disassembling. It applies to both segmented and segmented/broken down.**

**2) Do not consider 2.7 – E2. This section will be removed per CPS Design Management.**

Chiller Spec (15625)

1) Spec section 2.4 G.2 mentions "Electric Heat" what electric heat is this referencing? Is an electric motor heater needed? Or is this item actually referencing the oil heater?

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2) Spec section 2.8 D states that wiring outside of enclosures must be in a metal raceway with not more than 24" length of liquid tight or flexible metallic conduit. Is this referencing power wiring or control wiring as well. This is standard for power wiring but this is not a standard option on chillers for control wiring.

**ANSWERS:**

- 1) No motor heater is required. It refers only to the oil heater.
- 2) All wiring shall comply with this requirement.

16. AHU(15725)

Scheduled AHU coil details conflict with specification. Spec section 2.10 M requires 5/8" OD tubes Cooling coils with tube thickness of .025" and Heating coils with tube thickness of .035". All HC and CC scheduled conflict with at least one of these spec requirements. How do i model my coil selections? Do I base it off the schedule with smaller OD and thinner tubes or the spec?

**ANSWER: Please base your selection on the Specifications.**

17. Specification 04200 – Part 2 Products – Paragraph 6.c calls standard factory applied. Premier Block Co. is listed as one of manufactures, but does not provide a factory finish to their products. Please advice.

**ANSWERS: See Addendum #2, Changes to Specifications, 04200 Unit Masonry.**

18.

1. What is the height of the integral base at epoxy floor (EPX) locations?
2. The drawings call for patching terrazzo in the existing east and west wings. Please define the extend of the patching. Also, Corridor BE114 on sheet A1.1B contains a note that shows new terrazzo flooring. Are we to assume the light area (not shaded) is to be all new?
3. Detail D5/A5.11 shows a knee wall against the roof parapet, but does not detail the components. Please provide information on the construction of the knee wall in this detail, as well as knee walls in details K12/A5.15, B11/A5.12, and similar.

**ANSWERS:**

1. See detail K8/A10.5 and Sheet 9.1
2. Refer to sheets D1.1B, D1.2B, D1.3B and D1.4B, and sheet A0.3, included Addendum #01,f or the extent of demolition of the existing floor finishes. The intent is to keep as much of the existing terrazzo as possible. The amount of terrazzo patching required cannot be fully quantified, as it corresponds to the amount of selective demolition required to re-route the utility lines and prepare the existing corridors to accept the additional lockers. In BE114 for the new classrooms only, the new terrazzo extends the entire light area that is not shaded.
3. See Addendum #2 for additional sketches added.

19.

1. Please confirm that the bidding GCs are not responsible for the work required on the following specification sections other than informing the architect and owner if any hazardous material is found; 02089 Hazardous and Universal Waste Management, 02131 Asbestos Abatement-Interior, 02132 Asbestos Abatement for Exterior and 02133 Lead-Based Paint Abatement
2. Please confirm that the \$500,000 allowance for the site work is for the work above and beyond what is shown on the bidding documents.
3. In the pre-bid meeting, it was mentioned that the site prep work was performed as part of CITY JOC program. Please confirm that the existing site elevations shown on drawing C0.1 is the current elevations after JOC program.

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4. Please confirm that no other stage rigging contractors will be considered other than five subcontractors listed on the specification section 11062, 1.05, A., 4. If not please advise us on the additional acceptable subcontractors.
5. Please confirm that no substitution will be allowed on the stage rigging manufacturers other than ones listed on the specification section 11062, 2.03, A.
6. Please confirm that no other orchestra shell enclosure subcontractors will allowed other than four contractors listed on the specification section 11063, 2.01, B. If not, please advise us on the additional acceptable sub contractors.
7. Please confirm that no substitution will be allowed on the wood laboratory casework manufacturers other than ones listed on the specification section 12348. 2.1, A.
8. Specification section 2550 Part-2 C shows permeable paver size is 5"x10"x3-1/8" but drawings (L1.8) shows paver size to be 10"x10"x3-1/8".
9. Please confirm that the library shelving shown in Library C200A on sheet A1.2C is not in the scope of work. Otherwise, please provide product information as well as the elevation details.

### ANSWERS:

1. Contractor's work includes demolition and equipment removal/replacement activities inside and outside several areas of the existing school building. The equipment and associated fluids, gases, etc. removed as part of the contract work shall be handled in with 02089. Updated specification will be issued Addendum 2.

No asbestos or lead-based paint has been identified as part of building surveys conducted in renovation areas. However, roofing materials were not sampled and shall be assumed asbestos containing materials. Roofing materials that require removal or disturbance as part of contract work shall be handled in accordance with 02132.

Should asbestos containing material or lead based paint be identified in a previously inaccessible area, Contractor shall be responsible to handle these material(s) in accordance with 02131, 02132 and/or 02133, as applicable.

2. The sitework allowance is provided for items not included in the bidding documents.
3. The existing elevations shown on C0.1 are pre-site preparation scope of work (as noted in general notes on C0.0). Please reference site prep as built included in Addendum 2.
4. See Addendum #1 for one additional contractor added to specification.
5. Confirmed
6. Confirmed
7. Confirmed
8. See Addendum #2 for change to specification Section 02550.
9. Refer to sheet A8.20 for NIC scope.

20.

1. Please confirm the size of walk in freezer. A1.1B shows the as 9' 9 1/4" x 7' 3 3/4" but in the specs it is asking for a size of 10' x 6'.
2. Please advise us on the location of condensers for the walk in freezer.

### ANSWERS:

1. The size of the walk in freezer should be per the specifications. The dimensions on the plan are to the walls.
2. The condenser is remote and mounted on the exterior of the building as shown on A1.1B.

21.

- 1) There are three (3) opening in permanent chain link fence shown on sheet L1.1. One (1) 24' wide and two (2) 12' wide. There are no notes on this sheet indicating if gates are required in those locations. The only detail for chain link gates shown on sheet L1.7 is for a single 5' wide gate (Detail FD6). Please clarify what

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kind of chain link gates are required for the project.

2) Detail FD2 on Sheet L1.7 shows a 1'-6" wide footing at latch post for a single swing ornamental gate. Please confirm that only latch posts require the extra wide footing.

3) Is there a detail for the ornamental metal double swing gates available?

### ANSWERS:

1. There are no chain link gates required for the project
2. Detail FD2 on Sheet L1.7 shows a 1'-6" wide footing at latch post for a single swing ornamental gate. Only latch posts require the extra wide footing. For typical fence footings refer to detail FD3 on L1.7
3. Refer to Addendum 2. Two (2) additional details are added for sheet L1.7: FD13 - 10' wide ornamental metal double swing gate for the bike path and FD14 - 28' wide ornamental metal double swing gate for the access drive.

22.

1. Please confirm who should be supply the following:

- Stage AV equipment
- Stage Rigging
- Stage Lighting
- Stage dimming & controls
- Scoreboards
- Mecho-shades
- Pool speakers

2. PV system base bid and alternate1 scope is unclear- should base bid be empty conduit only? Is the alternate 1 an allowance to furnish equipment only? Should installation labor be provided in the allowance? Should installation labor be part of the base bid? On E7... pages for PV, what does the "infrastructure" consist of?

### ANSWERS:

1. Contractor shall follow the contract documents and provide all specified work.
2. The PVL system base bid shall include empty conduits only. There should be no allowance provided. Conduit labor (empty conduits) shall be included in main bid.

23.

1. Auditorium Monitoring & Paging System, spec: The specified Biamp PR-4 for the "Lobby Speaker Volume Control" is not a valid model number. Please provide updated model number.
2. Auditorium Audio Electronics: The specification states "Digital Signal Processor (DSP) w/ Cobranet", but lists a Biamp AudaFlex NC (non-cobranet). Please confirm cobranet is not required.
3. Loudspeakers: We assume all Danley Sound Labs models are the "I-B" suffix versions, meaning passive-install-black. Please confirm.
4. Auditorium Video System: Please confirm a winch is not required as part of the Draper custom quote for the projection screen. The theatrical drawings show a hoist mechanism provided by rigging contractor (per F12 and K6/TR1.1). Confirm screen and truss only are required.

### ANSWERS:

1. Please provide model RP-L1 by Biamp for the "Lobby speaker Volume Control." The "Logic Box" is to be a Voltage Control Box by Biamp instead of the Logic Box, to correspond to the RP-L1.
2. It is correct that cobranet is not needed, therefore the model "Audi flex NC" is correct.
3. It is correct that the Danley Sound Lab loudspeaker models should end in I-B indicating a passive box with fly points.

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4. The rigging hardware needed to raise and lower the screen is provided as part of the rigging contract, the screen and truss is all that is part of the AV specification.

26.

Room finish schedule calls for sgt (glazed tile) on the following walls but the floor plans calls for a gfcmu partition type – which do we use

Corridor A110 south wall

Lobby A117 east wall

Pool office A118 east wall

**ANSWER: The three locations noted shall be GFCMU. Finish schedule will be revised.**

28.

According to Summary of Existing Site Conditions, section 1.6, F & G – work will cease until mitigation/abatement can be performed. Is the lead and asbestos abatement to be completed by the contractor? Are we to include this in the base bid?

**ANSWER: Lead shall be handled in accordance with the contract documents. Any ACM identified, with the exception of roofing, shall be handled with an allowance.**

29.

There is a question on Type C1, C10, C1A lighting fixtures. The Echo fixture listed is not available with a wet rating. If the application is for a pool, the fixtures can be Damp rated as long as the fixtures are 12 feet or higher above the pool surface. Also the "CR" option is necessary for a pool application. Please provide additional information if possible. With this additional information I can offer the SPI Echo fixture that would fit your application.

**ANSWER: The wet location approved accessory note in the light fixture schedule for these three fixtures is not accurate. These fixtures need to be Natatorium Grade fixtures.**

30.

Regarding DETAIL C12 on sheet TL1.1, please clarify the information in lines T-M1 through T-M4 as they pertain to who provides and installs which materials. It is customary that the EC provides and installs all ceiling lights in the auditorium, and we would anticipate that the riggers would only be involved with providing and installing the house light rigging and cable management (retractable cable reels are also usually provided by the EC and installed by the rigging contractor).

**ANSWER: Rigger is to provide types T-M1 through T-M4 per the schedule, with lamps and all accessories as indicated. This type is a theatrical light which theater riggers are more familiar with and riggers are better suited to installation issues, especially for type T-M1 which is integrated with the house light hoist assembly and T-M3 which is suspended via aircraft cable. Because T-M2 and T-M4 are the same basic products, these are also provided by the rigger. In addition, Detail F6/TI1.1: Type T-M3 and suspension hardware shall be by rigger. This resolves a conflict with the Fixture Schedule C12/TI1.1.**

31.

The spiral stairs shown have a 30 degree tread and up to a 23' 10" floor to floor height as a continuous run.

Previously, the city of Chicago they required an 8" maximum rise with a maximum 4" vertical spacing on the spindles with a minimum 6'0 diameter spiral with a 22 1/2 degree tread along with a maximum distance between landings of 12 feet or less.

do we have to provide any engineering for the stairs?

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**ANSWER: Construction submittal should include engineered drawings.**

do you want a build on site kit or an all welded stair?

**ANSWER: Welded stair**

primed black, galvanized, all aluminum or aluminum with a powder coat finish?

**ANSWER: Steel, primed and painted black**

32.

The electrical specs and drawings indicate Alternate #1 for the photovoltaic system

The conduit-only system is to be part of the base bid

The bid form does not have a place for Alternate #1

How are we to address the cost of the system components?

**ANSWER: Section 16800 has been eliminated per addendum #1. PV system base bid shall include provision of conduit only. There is no Alternate #1.**

33.

#4. Subcontractor is requesting that specification section 16120, Part 3, Section 3.1A & B be revised to allow for the use of stranded wire in lieu of solid wire.

#5. Section 11400 for the Food Service Equipment. There is a discrepancy for the walk-in size - on the only print I can find that even shows any size - it looks like it is 9' 9 1/4" x 7' 3 3/4" - but in the specs it says a nominal size of 6' x 10' - so I'm a bit confused as to which size to quote - as there will be a price difference! Also, for the shelving in the walk-in - it says size per the print - well, I have yet to find a print where I could even remotely begin to size the shelving - so again, not sure what we are supposed to bid there.

#6. Is Schedule 40 steel pipe w/ welded joints be acceptable for heating and chilled piping applications in sizes from 2-1/2" to 4"?

#7. Is there a specific direction as to the type of aggregate, specifically recycled pre- & post-consumer glass, that is to be used in the terrazzo for quoting on this project?

#8. There is some damp proofing called out on some of the frost depth foundation walls, nothing called out at the pool or orchestra pit walls. There is a continuous waterproofing system called out at canopies - guessing this is the Modified Bituminous Sheet Waterproofing membrane since that section says for above grade locations. Questions: Is there waterproofing at the pool? What type? Same question for orchestra pit, pool, elevator pit?

**ANSWER:**

**#4: The section shall remain as written. The solid wire shall be used as specified.**

**#5: 1. The size of the walk in freezer should be per the specifications. The dimensions on the plan are to the walls.**

**#6: 2-1/2" to 4" heating and chilled water piping shall be flanged. Refer to 15181 - execution.**

**#7: Contractor shall follow Basis of Design aggregates as specified. Glass aggregate Basis of Design is 100% pre-consumer recycled glass. Marble and granite aggregates have no recycled content.**

**#8: Follow the drawings. No waterproofing at the pool, orchestra pit or elevator pit.**

34.

1. Detail G3 on sheet A6.11 calls for metal handrails at both auditorium stairs. Detail K2 on sheet A6.12 calls for painted steel bar stock railing on top of the wall at the stairs. Elevation 12D on sheet A8.12

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- indicates stainless steel handrails for the stairs and for the bar stock on top of the wall. Which is correct, painted or stainless steel?
2. Elevation 10D on sheet A8.13 calls for painted metal guardrail, referencing detail G3 on sheet A10.6. This detail calls for perforated metal guardrail infill panels. What is the manufacturer, style, type of perforated infill panel required?
  3. Sheet A8.10 calls for stainless steel handrails for Corridor C147 and details 2F and 2K on sheet A8.12 call for painted metal handrail. Which is correct, painted or stainless steel?
  4. Detail 2F on sheet A8.12 calls for perforated metal speaker cover, painted. Detail D3 on sheet A6.11 calls for perforated stainless steel speaker box. Which is correct, painted or stainless steel?
  5. Detail 11H on sheet A8.16 indicates guardrail with perforated infill panels in Instrumental Room C113. What type of infill panels is required? Are these guardrails painted metal or stainless steel? Also, are the handrails at this ramp to be painted steel or stainless steel?
  6. Please verify that all of the handrails / guardrail assemblies for concrete stairs 10, 11, 12, & 13 as indicated on sheet A8.15 are to be painted steel. There are conflicting details for all of these locations.
  7. Detail 11C on sheet A8.16 indicates guardrail with perforated infill panels in Choral Room C122. What type of infill panels is required? Are these guardrails painted metal or stainless steel? Also, are the handrails at this ramp to be painted steel or stainless steel?
  8. Are we to provide elevator pit ladders and elevator sump pit frames and grates in any of the elevators? None are indicated.
  9. There is a roof hatch indicated on sheet A1.3C, but there is no indication of a ladder to access the hatch. Is a ladder required at this location?
  10. Detail K7 on sheet A5.11 calls for a steel angle to support the limestone sill at the window locations. What size is this angle? Should this angle be galvanized?

### ANSWER:

Questions 1 thru 7, in reference to Building C:

- At the auditorium, all handrails, guardrails and perforated metal panels shall be painted metal.
- At Stairs 1, 2, 10, 11 12 & 13, handrails shall be stainless steel and guardrails shall be painted metal.
- At Stairs 3, 4 & 5, handrails and guardrails shall be painted metal.
- At Band and Choral rooms, handrails shall be stainless steel and guardrails shall be painted metal.
- Detail E12/A7.5, the perforated metal panel shall NOT be stainless steel, it shall be painted steel at all locations. This is the perforated infill panel at all guardrail locations. Other specification information noted in detail is correct.

Question 8: Provide painted metal ladder at elevator pit, and provide sump pit frame and grate.

Question 9: Ladder is shown on Sheet A1.2C and D6/A7.3. Ladder shall be painted steel.

Question 10: Angle shall be galvanized and shall be 4" x 3" x 3/8" LLV with 1/2" dia. expansion anchors at 16" o.c.

35. Can you please clarify where the column covers per specification section 05581 are located. There appear to be (3) located in the Library C200A, (1) located in Workroom C201, and (2) located in the Professional Library C205. Are there any more?

ANSWER: Locations noted are correct.

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### List of Attachments:

#### Specifications:

Specification Section 01030 Construction Operations and Site Utilization Plan  
Specification Section 02001 - Summary of Existing Conditions  
Specification Section 02089 - Hazardous Waste Management.

#### Drawings

As-Built Drawing  
As-Built Utility Report Sheet  
CSK-1-C3.1  
CSK-2-C3.1  
CSK-3-C3.1  
CSK-4-C3.1  
CSK-5-C3.2  
CSK-6-C3.2  
CSK-C5.0  
C5.2 Full Size Sheet  
L1.7a  
L1.7b  
A5.15-K12  
A3.5C-H3&H2  
A6.1-K5  
A6.6 Full Size Sheet  
A6.7 Full Size Sheet  
A6.8 Full Size Sheet  
A8.1-K3-2  
A8.2-D4 & H4-2  
A14.1-S23  
A14.3A-J3-2  
M1.1C-1  
M1.2C-2  
M7.1-1  
M7.3-1  
M7.3-2  
M7.4-1  
MEP0.1-1

END OF ADDENDUM NO. 02

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