

ADDENDUM NO. 3 TO CONTRACT NO. 1479

**POWELL REPLACEMENT ELEMENTARY SCHOOL
7511 South Shore Drive
For
New Construction**

DATE: Tuesday, April 24, 2009

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:

Add 1: Rescheduled Bid Open Date and Time: **Wednesday, May 13, 2009 at 2:00PM**

Change 1: Mandatory Technical Review Meeting regarding the inclusion of the Site Preparation into the general construction contract will be held, **Wednesday, May 5th, 2009 at 10:00AM**, in room CL115, Richard J. Daley Center, Public Building Commission of Chicago, 50 West Washington Street, Chicago, IL 60602 (Addendum-4 to be issued, May 1st, 2009 and will include Site Preparation drawings and specifications)

Change 2: Section II Project Information, B. **Time of Completion** should read as:

Substantial Completion of the Work must be achieved no later than **(490)** Days after the Notice to Proceed.

Change 3: In Book 1, Section III. Instructions for Bidders, Sub-Section X. Award of Contract; Rejection of Bids, Paragraph number 2, delete that paragraph and replace to read as follows;

The Bidder agrees that its bid shall be in effect until midnight, Friday, June 19, 2009 and that the bid may not be withdrawn until that time.

CLARIFICATIONS

Clarification 1: Sheets S1.1A and S1.1B (the following notes appear) (change identified in *italics*) see attached:

- *General Contractor (G.C.) can expect to receive site as described in the site preparation package. G.C. will be responsible to verify compaction of the site (for new building structures and pavements) meets the geotechnical engineer's requirements identified in the geotechnical report and subsequent clarifications. GC is also responsible for backfill adjacent to new building foundations and the installation acceptable fill and 6" of CA-7 below the building's slab on grade as per the project's geotechnical requirements.*
- *Sub-grade preparation at dropped foundations for utilities is the responsibility of the G.C. The foundations have been prepared to typical B/FTG level at utilities. See Site Prep drawings for details.*

CHANGES TO SPECIFICATIONS

Change 1: 01352 LEED Requirements, add LEED SSc3 Brownfield Redevelopment to the "yes" category of the Checklist.

Change 2: Not Used

Change 3: Unit Masonry – 04200 (change identified in *italics*):

- Section 1.01, A, added (change identified in *italics*):
 - a. Brick Type A
 - 3) *Iron Spot, Washington Velour, Type 8, by Watsonville Brick Co*
 - b. Brick Type B
 - 3) *Summitville Red (#10) wire cut, Flashed Blend, by Summitville Brick Co.*
- Revised Section 2.01, B, 4 to read (change identified in *italics*):
 4. Ground-Face CMU: Conform to requirements 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. *Trenwyth Trenstone Plus.*
 - b. *Premier Block Company*
 - c. *Van Poppelen Bros*

Change 4: Aluminum Windows - 08520

Added 2.06, B (change identified in *italics*):

B. Contractor Option: The sunshade and light shelf may be mounted by steel bracket back to the CMU masonry wall backup within the exterior wall cavity. The structural design of this bracket will be by the Contractor if this is the anchorage option chosen. The bracket that passes through the exterior brick will be no larger in vertical height than the side arm bracket of the device anchored. Provide soft joints around all steel penetrations through the masonry that stop the flow of water into the cavity. The CMU backup will need to have reinforcement and solidly grouted cells at the opening and anchorage points to transfer the load into the wall. The steel bracket will be a moment connection and distribute the load over an area that minimizes the potential for any masonry cracking. Steel shall be painted with a exterior high performance coating completely prior to installation to avoid potential for rusting within the wall cavity. All connections will be designed and provided by the Contractor.

Change 5: Aluminum Window Wall - 08910 Revised 2.05m A to read (change identified in *italics*):

- A. Fixed sunshades shall be integral to the aluminum windows (Section 08520). Provide Tubelight MaxBlock Sunshades "Airfoil" Blade Design with 30inch outriggers (Exterior) *or a similar configuration product made by another manufacturer.* Finish to match the finish of the exterior face of the aluminum windows. Provide light shelf in the configuration as shown on the drawings (Interior). Finish of the light shelf shall be white (flouropolymer coating). Other manufacturer's products will be considered subject to meeting the performance criteria specified herein and the requirements indicated on the Drawings. Blade and fascia framing sections to be of 0.090 inch minimum wall thickness. Outriggers are cut from 0.25 inch aluminum plate. Include all screws, bolts and all other accessories are compatible with the aluminum.
 1. Window wall manufacturer shall provide these components to the aluminum window

manufacturer and general contractor for installation.

Change 6: Resilient Tile Flooring – Section 09650, 2.02 Resilient Tile, A, 4. (change identified in *italics*):
Revise to read *Size: 16-by16 inches*.

Change 7: Replace Rigging, Curtains and Tracks – Section 11052. See attached.

Change 8: Delete Stage Rigging – Section 11062. See attached.

Change 9: Food Service Equipment - Section 11400 (change identified in *italics*):

- ITEM NO. 11 ROLL-IN CONVECTION OVEN
Same as originally specified except change model number to *Zephaire E-double (electric)*.
- ITEM NO. 15 HOT FOOD SERVING COUNTER
Same as originally specified except change model numbers to:

<i>Delfield</i>	<i>Randall</i>	<i>Mod-U-Serve</i>
<i>Model #SC-74</i>	<i>Model #RAN-ST-6S</i>	<i>Model #MCT-FT5</i>

Add: *“No counter protectors or double-deck display stands are required.”*
- ITEM NO. 21 FLOOR TROUGHS
Delete *“egg crate”* reference
- ITEM NO. 29 DISHWASHER
Same as originally specified, except add: *“Verify incoming hot water temperature and adjust booster accordingly to provide 180 degree water.”*

Change 10: Basic Mechanical Materials and Methods - Section 15050 (change identified in *italics*):

- *Section 1.4.D: Coordination Drawings: Detail critical sections in ¼” scale involving all elements, components, and systems of mechanical equipment and materials in relationship with other systems, installations, and building components. Show space requirements for installation and access. Indicate if sequence and coordination of installations are important to efficient flow of the Work. If required modify duct dimensions, duct routing, piping dimension, piping routing, in coordination with electrical components after consulting the AOR. Include the following:*
 - 1. Finished floor elevations, bottom of the ceiling elevations, bottom of the joists, beams, girders and bracing, top of the light fixtures, bottom of the FP and plumbing pipes, and elevations of the electrical components.*
 - 2. Planned piping layout, including valve and valve-stem movement.*

Change 11: Miscellaneous Equipment and Work - Section 15051 (change identified in *italics*):

- Add Section *3.7 Commissioning – See commissioning specs.*

Change 12: Vibration Controls for HVAC Piping and Equipment - Section 15074 (change identified in *italics*):

- Add section *2.2.E: Contractor shall employ a vibration specialist, if required, to verify and eliminate any transfer of vibration through rigid steel structure that creates resonance in the adjacent spaces.*
- Add Section *2.3 NEOPRENE MOUNTINGS: Neoprene mountings shall have a minimum static deflection of 0.35". All metal surfaces shall be neoprene covered and have friction pads both top and bottom. Bolt holes shall be provided on the bottom and a tapped hole and cap screw on top. Steel rails shall be used above the mountings under equipment such as small vent sets to compensate for the overhang. Mountings shall be type ND or rails type DNR as manufactured by Mason Industries, Inc.*

Renumber following sections accordingly.

- Change 13:** Valves - Section 15110
Add Section 2.12 CHAINWHEEL ACTUATORS
 A. *Description: Valve actuation assembly with sprocket rim, brackets, and chain.*
 1. *Sprocket Rim with Chain Guides: Ductile iron, of type and size required for valve.*
 2. *Brackets: Type, number, size, and fasteners required to mount actuator on valve.*
 3. *Chain: Hot-dip, galvanized steel, of size required to fit sprocket rim.*
- Change 14:** Replace Natural Gas Piping - Section 15195. See attached.
- Change 15:** Replace Plumbing Fixtures - Section 15410 (change identified in *italics*):
Section 2.1.D Sink Faucets: add Moen as acceptable manufacturer
Section 2.1.E Flushometers: add Moen as acceptable manufacturer
- Change 16:** Metal Ducts - Section 15815 (change identified in *italics*):
Add Section 1.7 WARRANTY
 A. *Minimum one year warranty on all material and labor from substantial completion date.*
- Change 17:** Building Automation System (BAS) General - Section 15950 (change identified in *italics*):
- *Section 1.5.A: replace paragraph with the following:
 Installer's Qualifications: Only the following contractors that were approved as part of the Board of Education's Pre-qualification process, No. 07-250002 AND whose name is listed as approved on document # 07-0725-PR4, "Approve Entering Into Agreements With Various Contractors To Provide Building Automation System And Integration (Temperature Control)" July 25, 2007, AND have executed the Board's Master Agreement, will be considered qualified to bid this work. The following is the list as it appears in the Board Report;*
 - *Section 1.12.F: replace paragraph a) with the following:
 Browser-based access: A remote user, connecting via the CPS WAN and using a standard browser shall be able access all control system facilities and graphics with proper password. The following paradigms are acceptable for browser-based access:
 User interfaces that, via a standard browser, use a freely distributed and automatically downloaded and installed plug-in or "thick" client that presents the user interface across the CPS intra-web.*
 - *Section 3.9.A: change sentence from "Exhibits A through D attached" to "Exhibits A through F attached."*
- Change 18:** Replace Security System - Section 16720. See attached.
- Change 19:** Replace Assisted Listening Device Systems - Section 16750. See attached.
- Change 20:** CCTV System and Components – Section 16781, Part 1, 1.2 Summary, A, 14. (change identified in *italics*):
- 14. Final adjustments and system check out (*Provided and installed by Contractor*)

CHANGES TO DRAWINGS

- Change 21:** ASK-001: Sheet G1.1 See attached.
 Revised Existing Zoning

- Change 22:** ASK-002: Sheet G2.1 See attached.
Revised Code Matrix - Zoning District
- Change 23:** ASK-003/004: Sheets G2.2, G2.3 See attached.
Revised; location of area of rescue assistance in stair 1, floors 2 and 3.
- Change 24:** Sheet C1.0 See attached.
- Construction and silt fence installed under the Site Preparation scope of work is shown to be maintained by G.C.
 - The legend has been modified accordingly.
- Change 25:** Sheet C2.0
Revise parking signage to include a 2nd Low Emitting and Fuel Efficient Vehicle Parking stall. Note: total number of parking spaces does not change.
- Change 26:** Sheet C5.1 See attached.
- Detail #7 notes added to protect the permeable paver aggregate base and sub-base, and the existing sub-grade during building construction.
 - Detail #8 notes added to protection of the infiltration trench aggregate, and the existing sub-grade.
 - Sheets 7&8/C5.1, note added: contractor to protect the CA-1 and CA-7 from sediment and contamination during the course of construction.
- Change 27:** Sheet C5.3 See attached.
A construction fence detail added for maintenance of the construction fence installed under the Site Preparation scope of work.
- Change 28:** ASK-005: Sheet AS.1 See attached.
Revise parking signage to include a 2nd Low Emitting and Fuel Efficient Vehicle Parking stall. Note: total number of parking spaces does not change. Added dimension for flagpole lighting.
- Change 29:** ASK-006: Sheet A1.2 See attached.
Revised detail bubble 1/A1.10.
- Change 30:** ASK-007/ 027: Sheets A1.3, A1.4 and A8.1 See attached.
Added mullion at vestibule window to coordinate with elevation on sheets A1.3 and A8.1
Added partition type above vestibule doors on sheet A1.3 and A1.4
- Change 31:** ASK-010: Sheet A2.3 See attached.
Detail 13 added for ceiling at perimeter wall.
- Change 32:** ASK-011: Sheet A2.4 See attached.
Revised reflected ceiling height at exterior canopies and Vestibule 1018.
- Change 33:** ASK-012: Sheets A2.7, TL1.1 and TL2.1 See attached.
Revised location of gymnasium ductwork; added diffuser to coordinate with mechanical drawings.

- Change 34:** Sheet A3.1 See attached.
Detail 5 windows revised to remove wide horizontal mullion. Detail 1, poche added for glass at entry doors. Poche corrected in material legend. Detail 2: revised north elevation, moved accessible window to the east.
- Change 35:** A3 Series Drawings See attached A3.1.
Material Legend (Elevations), revised poche in legend.
- Change 36:** ASK-013: Detail 1/A3.2 See attached.
Revised Signage.
- Change 37:** Sheet A3.3 See attached.
Detail 1: revised, north elevation, moved accessible window to the east. Detail 2, poche adjusted.
- Change 38:** Sheet A3.4 See attached.
Note added re: blank-off panel at louver. Poche added for glass at entry doors.
- Change 39:** ASK-014: Sheet A3.5 See attached.
Poche adjusted.
- Change 40:** ASK-015/016: Sheet A4.1A See attached.
Detail 2, added detail bubble reading 1/A4.7 to the enlarged detail bubble. Revised location of gymnasium ductwork to coordinate with mechanical drawings. Detail 3, revised location of gymnasium ductwork and added diffuser to coordinate with mechanical drawings revised signage.
- Change 41:** ASK-017/019/020/021/022: Sheets A4.4, A4.6, A4.7 and A4.8 See attached.
Revised header above vestibule doors to gypsum board.
- Change 42:** ASK-018: Detail 2/A4.5 See attached.
Revised Signage.
- Change 43:** ASK-021/022: Sheet A4.8 See attached.
Details 1 and 2, revised location of gymnasium ductwork; added diffuser to coordinate with mechanical drawings. Detail 2, revised signage.
- Change 44:** A5 Series Drawings See attached.
Beam/exterior wall connection revised to match structural drawings. Slab on grade revised to match structural drawings.
- Change 45:** Sheet A5.1 See attached.
Detail 2, window note revised.
- Change 46:** Sheet A5.2 See attached.
Detail 2, dimension added for slope of metal panel sill. Top of canopy elevation tag corrected.
- Change 47:** Sheet A5.4 See attached.
Roof elevation tag moved.

- Change 48:** Sheet A5.5 See attached.
Detail tag corrected. Horizontal channel for mechanical screen wall rotated to match structural drawings. Note for exterior plaster ceiling revised. Note for spray insulation revised.
- Change 49:** Sheet A5.9 See attached.
Note for louver frame revised. Horizontal channel for mechanical screen wall rotated to match structural drawings.
- Change 50:** Sheet A5.10 See attached.
Structural connection revised to match structural drawings.
- Change 51:** Sheet A5.11 See attached.
Beam revised at second floor level column line 16.
- Change 52:** Sheet A6.1 See attached.
Detail 1, slab on grade revised to match structural drawings. Details 3 and 4, revised to show window guard. Detail 7, slab on grade revised to match structural drawings. Notes and dimension added for curb material. Detail 9, note for clip angles added. Detail 10, notes corrected to remove "ptd", limestone sill profile revised, exterior wall connection revised to match structural drawings and note revised. Detail 13, connection revised to match structural drawings. Detail 15, note for weep holes added. Detail 4 only, note regarding galvanized painted lintel, typical. Detail 11 and 14, dimensions added.
- Change 53:** Sheet A6.2 See attached.
Detail 1, shelf angle connection revised to match structural drawings. Detail 2, note added for membrane flashing/sill receptor. Note revised for galvanization. Note added for open joint for ventilation. Detail 3, note added for mounting substrate for shade assembly, ceiling revised to show suspended ceiling to match RCP. Detail 4, additional arrow added for wall flashing. Detail 5, note added for membrane flashing/sill receptor, additional insulation added to top of slab, notes for curb added. Detail 7, dimension added.
- Change 54:** Sheet A6.3 See attached.
Detail 1, note revised to set threshold in sealant. Detail 2, dimensions added, UL# added, note for insulation revised to add foil face. Detail 6, dimensions added. Detail 7, dimensions added, UL# added, note for insulation revised to add foil face. Detail 12, bond beam added below louver sill. Detail 7, dimension added. Detail 14, Horizontal channel for mechanical screen wall rotated to match structural drawings. Detail 17 added to show door head condition.
- Change 55:** ASK-024/025: Sheet A6.4 See attached.
Details 3 and 7, exterior wall connection revised to match structural drawings.
- Change 56:** Sheet A6.11 See attached.
Rotated Chanel to match structural
- Change 57:** Sheet A6.12 See attached.
Details 5, 6, and 7 added.
- Change 58:** Sheet A7.1 See attached.
Incorrect detail number corrected. Location of stand pipes in stairs further coordinated with fire protection drawings.

- Change 59:** ASK-026: Detail 11/A7.5 See attached.
Coordinated Terrazzo and hatch patterns
- Change 60:** ASK-028: Sheet A8.3 See attached.
Detail 2: revised to reposition accessible window to the east.
- Change 61:** ASK-029/030/031/032: Sheets A8.4 and A8.4A See attached.
Revised location of gymnasium ductwork and added diffuser to coordinate with mechanical drawings revised signage.
- Change 62:** ASK-033: Detail 4/A8.9 See attached.
Clarified elevation.
- Change 63:** ASK-034: Details 7 and 14/A8.11 See attached.
Revised header above vestibule doors to gypsum board, plus added vertical dimension.
- Change 64:** ASK-035: Details 23, 21 and 20/A8.13
Coordinated grab bar location in shower.
- Change 65:** Detail 12/A10.1
Section deleted, not in project.
- Change 66:** Detail 10/A12.1 See attached.
Revised sill detail.
- Change 67:** ASK-036: Sheet A12.2 See attached.
Added Poche to window type 24.
- Change 68:** ASK-037: Sheet A13.1 See attached.
- Paint color 11 – changed the word rail to rails.
 - CT-1 - Revised color to: American Olean 2x2 A89 Cocoa
 - CT-2 – Revised color to: American Olean 2x2 A09 Sapphire Sky Speckled
 - CP-1 – Provide alternate price for Designweave I0112 – Assembly, 12929 – Herd to be installed in lieu of the specified carpet.
- Change 69:** ASK-038: Sheet A13.5 See attached.
Revised ceramic wall tile terminations. Typical for all Boy's and Girl's toilet rooms.
- Change 70:** ASK-039: Details 6, 7 & 8/A13.10 See attached.
Revised ceramic tile selections.
- Change 71:** Sheet S1.1A See attached.
Clarified extent of site prep package
- Change 72:** Sheet S1.1B See attached.
Clarified extent of site prep package

- Change 73:** Sheet S1.2A See attached.
Beam sizes revised at exterior wall at Stair 1 and Stair 2. Framing revised between B-16 and C-16.
Section marks added at handrail details.
- Change 74:** Sheet S1.2B See attached.
Beam sizes revised at exterior wall at Stair 3.
- Change 75:** Sheet S1.3A See attached.
Beam sizes revised at exterior wall at Stair 1 and Stair 2. Framing detail and beam sizes revised at exterior wall at gymnasium, gridlines G and 18. Floor framing revised between gridlines E-10 and F-13.
- Change 76:** Sheet S1.3B See attached.
Beam sizes revised at exterior wall at Stair 3.
- Change 77:** Sheet S1.4A See attached.
Floor framing revised between gridline E-15 and G14.5. Number of required 38.studs on cellular beams added to plan
- Change 78:** Sheet S3.0 See attached.
Detail 5 revised for pipe location
- Change 79:** Sheet S3.1 See attached.
Details 11 and 12 added for handrails
- Change 80:** Sheet S3.4 See attached.
Detail 1 revised to show angles and stiffener plate at canopy
- Change 81:** Sheet S5.1 See attached.
Detail 7 added for section at gymnasium exterior wall
- Change 82:** Sheet S5.2 See attached.
Detail 7 added for partial south elevation at vestibule
- Change 83:** TSK-001: Sheet TL1.1 See attached.
Revised duct location as associated devices.
- Change 84:** TSK-002: Sheet TL1.2 See attached.
Revised duct location as associated devices.
- Change 85:** Sheet M1.3 See attached.
Revise AHU-4 return duct size and routing.
- Change 86:** Sheet M1.5 See attached.
Revise VAV box location and duct routing to correspond to beam and truss openings.

- Change 87:** Sheet M1.9 See attached.
Gas piping connections to the convection ovens-deleted.
- Change 88:** Sheet M4.2 See attached.
A. Revise OA intake louver callouts to match scheduled tags
B. Revise AHU-5 dimensions. Slightly re-route piping and duct to accommodate new dimensions.
- Change 89:** Sheet M5.4 See attached.
Main Pipe Flow removed.
- Change 90:** Sheet M5.5 See attached.
A. Revised gas pipe size to boilers to 6"
B. Revised notes at gas pressure boosters to note 4" WC inlet, 14" WC outlet
C. Delete gas piping connecting to the convection ovens from gas riser diagram
- Change 91:** Sheet M5.7 See attached.
Hot water pump flows at AHU-1, 2, 4 & 5 were revised.
- Change 92:** Sheet M6.1 See attached.
Natural Gas Booster Pump Schedule: Changed gas performance outlet from 14 PSI to 14"WC
Relief/Intake Vent Schedule: Revised IH-1 capacity and size. Boiler Schedules- Boiler maximum working pressure from 30 to 125ps. Pressure Fill System Schedules- Model changed to B&G GMU60; tank capacity added. Schedule for Air Separators added. Expansion Tank Schedule completed.
- Change 93:** Sheet E0.0 (change identified in *italics*):
A. Replace General note 16 "*SEE SPECIFICATIONS*"
B. Replace Project note 1 "*SEE SPECIFICATIONS*"
C. Delete Project note 2
- Change 94:** Sheet E0.2 See attached.
Detail Fire Alarm Riser Diagram; add Ansul system in the third floor.
- Change 95:** Sheet E1.0 See attached.
Delete the Floodlight fixture Mounting and concrete base pull-box detail "NOT USED"
Add detail "Flog pole fixture mounting and concrete base."
- Change 96:** Sheet E1.2 See attached.
At sheet storage room 1066, revise the location of the clock.
- Change 97:** Sheet E1.3 See attached.
A. At the Gymnasium room 2010, delete all motorized backboards "NOT UESD "
B. At Classroom 2 room 2020, revise the location of the receptacles and data.
C. At Classroom 2019, add CCTV remote enclosure and IG quad receptacle.
- Change 98:** Sheet E1.4 See attached.
At Classroom 10 room 2033, revise the location of the receptacles and data

- Change 99:** Sheet E1.5 See attached.
A. At Classroom 14 room 3013A, revise the location of the receptacles and data
B. At Classroom 3017, add CCTV remote enclosure and IG quad receptacle.
- Change 100:** Sheet E1.6 See attached.
At Classroom 22 room 3031, revise the location of the receptacles and data
- Change 101:** Sheet E2.1 See attached.
At the Dining Room 1032, revise light fixture F6 to instead be light F6b
- Change 102:** Sheets E2.2, E2.3, E2.4 and E2.5 Sheet E2.6 See attached.
Add switch to classrooms.
- Change 103:** Sheet E2.5 See attached.
Revise location of switches at Fan Room.
- Change 104:** Sheet E2.6 See attached.
Revise exit sign at corridor 3002.
- Change 105:** Sheet E4.1 See attached.
Update the food service equipment schedule. At warming kitchen, add dishwasher Add new circuit number 7 to the survey room 1032. At storage room 1035, add CCTV remote enclosure and IG quad receptacle.
- Change 106:** Sheet E7.2 See attached.
Add new fixture F6b
- Change 107:** Sheet E8.2 See attached.
 - Update Panel TP1-B
 - Update panel TP2-B
 - Update panel TP3-B
- Change 108:** Sheet E8.3 See attached.
 - Update Panel RP2-B
 - Update panel ELP3-A.
- Change 109:** Sheet E8.4 See attached.
Update panel RP1-C
- Change 110:** Sheet PU1.1 See attached.
Add 3" sanitary line for dishwasher and dish table.
- Change 111:** Sheet P1.1 See attached.
Modify vent size from kitchen from 2" to 3". Add hot water and drain connections to food service item 24 – dishwasher. Add hot and cold water and drain connections to food service item 25 – dish table.
- Change 112:** Sheet P1.3 See attached.
Add overflow drain to canopy roof

- Change 113:** Sheet P2.1 See attached.
Modify vent size from kitchen from 2” to 3”. Add hot water and drain connections to food service item 24 – dishwasher. Add hot and cold water and drain connections to food service item 25 – dish table.
- Change 114:** Sheet P4.1 See attached.
Add dishwasher and dish table to sanitary riser diagram.
- Change 115:** Sheet P4.2 See attached.
Add dishwasher and dish table to water riser diagram.
- Change 116:** Sheet C-SP-2.0 Site Preparation information. See attached.
- The stockpile area and associated note have been revised.
 - The Excavation and Backfill Procedure, Legend, and associated notes have been revised for clarity.

REFERENCE DRAWINGS

Reference 1: Added Site Prep Package Drawings and Specification **Yellow Paper - For Reference Only**

QUESTIONS & ANSWERS:

- Q1.** The CCTV indoor fixed cameras are ceiling mounted. The CPS security supervisors have always wanted them wall mounted.
- A1.** CCTV indoor fixed cameras layout has been reviewed and approved by CPS.
- Q2.** There are no CRE enclosures showing on the drawings. CPS uses CRE’s due to the CAT 6 cable distance limitations to each camera.
- A2.** Added to Addendum No 3.
- Q3.** Project Note 2 on Drawing E0.0 says that “all CCTV and Security Camera, equipment, wiring, and devices are to be provided by CPS.” This has not been the case in previous projects. The CPS Security Dept. wants CPS to only provide for our installation the cameras and mounts and the DVR’s. We provide the CRE’s, cables, and Nitek UTP control devices. General Note 16 includes CCTV Equipment.
- A3.** General note has been revised, included in Addendum No. 3.
- Q4.** Spec. Section 16720 line 1.1A says empty conduit only-separate contract from Security Subcontractor. This type of bid always included the security system subcontractor’s bid.
- A4.** Specification has been updated, included in Addendum No. 3.
- Q5.** Project Note 1 on Drawing E0.0 states that “All public Address system devices and wiring within the gym are to be provided by CPS.” This also has not been the case previously. The PA System is actually the Intercom and Clock System, which includes all rooms. If you mean the Gym Sound System, Spec. Section 16726 has always dictated that equipment for the Gym and the Cafeteria Sound Systems, which are then linked to the Intercom System. These sound systems are usually part of this project bid.
- A5.** General note has been revised, included in Addendum No. 3.
- Q6.** Spec. Section 16751 is not the correct section for assistive Listening. The ADA consultant for CPS does not want an “IR” System; he wants the “RF” System from either Williams Sound or Listen Technologies, etc.
- A6.** Specification has been updated, included in Addendum No. 3.

- Q7.** Will the Materials testing requirements for the Powell Replacement School be provided by the General Contractor?
- A7.** Materials testing to be provided as required by project specification. If there is a specific testing question, please submit additional information to clarify your question.
- Q8.** Is there irrigation on this job?
- A8.** There is no permanent irrigation.
- Q9.** Drawing A2.7 indicates the gym will have exposed structural steel, metal deck, conduits and ductwork, Please verify this area to receive Tnemec 10-99 or equal primer per the specifications, with an SP-2 finish per the manufacturer. If this is not the finish required, and steel to be left exposed, please identify.
- A9.** See G2.1 Code Matrix, Beams supporting roof only are not rated. Exposed structure in Gymnasium should be painted as per note on A13.6 and specification section 09910.
- Q10.** During the technical prebid, the gentleman from Farnsworth specifically noted that all enhanced commissioning must be complete prior to substantial completion. According to LEED version 2.2, enhanced commissioning requires an evaluation POST substantial completion, within 10 months. I assume that Farnsworth's post substantial requirements will not impact the General Contractor from obtaining said substantial completion?
- A10:** The requirements noted during the meeting for completion of commissioning tasks prior to substantial completion were in reference to functional performance testing only. Items and responsibilities related to warranty review and seasonal testing will not be required to be complete prior to substantial completion. In addition, execution of the training program can be completed after substantial completion, but must be fully executed and approved prior to final completion. All other items noted within the commissioning sections are to be completed prior to substantial completion as are all items noted specifically noted under PBC general conditions for project closeout.
- Q11.** Is there a specific topsoil composition/testing requirement for imported topsoil/planter bed material?
- A11.** Yes, see specification sections 02316, 02318, 02900, 02901, 02903 and 02910.
- Q12.** Will the perimeter fence be installed in the site work prep package and turned over to the GC to maintain?
- A12.** Yes.
- Q13.** At what point can we stop settlement monitoring?
- A13.** See Book 2A, Section 01400, Part 3.4 Settlement Monitoring.
- Q14.** Bid Note BN-3 on sheet S0.0 calls for:
1. 10 cubic yards of normal weight concrete
 2. 5 cubic yards of lightweight concrete
 3. 1.0 tons of reinforcement bars- sizes #4 through #9
 4. 0.5 tons of reinforcement bars – sizes #10 & #11
- Bid Note BN-4 on sheet S0.0 calls for:
1. 2 tons of members weighting 50 pounds per linear foot and greater
 2. 2 tons of members weighting less than 50 pounds per linear foot
 3. 20 beam web penetrations and reinforcement as indicated on the on the typical
- A14.** Those quantities listed are to be included in the bid price. Per BN-1, "The contractor's and all subcontractor's bids shall include add/deduct unit process for each of the items listed. The cost for any unused portion of the listed quantities shall be credited to the owner."

- Q15.** My questions is that I need to know were exactly the anchoring [sic] points for the curtain walls are for Powell Elementary. If there is a specific print page that I could go to please let me know or email me the information so I can get this information back to my fabricator asap. Thanks
- A15.** Anchoring requirements of the Aluminum Window Wall system are performance specification based. Successful bidder will be required to submit information and data via shop drawings to demonstrate specification compliance.
- Q16.** Will the aluminum composite panels shown on the canopy need to be insulated panels?
- A16.** Insulation Panels are detailed on A6.8
Non-Insulation Panels are detailed on A6.9.
- Q17.** Is the “beveled” sash required for these windows per detail 2.A6.12?
- A17.** The window system shall be as described in the specifications and from the list of acceptable manufacturers. The detail referred t was based on a specific manufacturer’ system that has a bevel. While not expressly required, the bevel provides more appealing sightlines and sheds water better than one without a bevel.
- Q18.** Where do we start and stop wall tile at boys and girls restrooms?
- A18.** Clarified in ASK-028.
- Q19.** Do any of the staff, admin, kitchen, or kindergarten rooms get tile base?
- A19.** A13.1 Finish Legend, Wall Base Material
Octagon reading CTC/1 should read CT/1.
All rooms should have CT cove base to match floor.
- Q20.** Are floors to be install with thinset or mud bed?
- A20.** See 09300. 2.03, A and 3.05B
- Q21.** Not Used
- A21.** Not Used
- Q22.** Do we figure epoxy grout or standard?
- A22.** Floors 09300, 3.06, A
Walls 09300, 3.04, A
- Q23.** According to the door schedule for the Project, certain openings are indicated to receive “C” fire-labeled wood doors having a sound transmission rating of either STC 30 or STC 30 (See Exhibit A attached). In addition, the Interior Wood Door Specification section 08211/1.01 B. indicated LEED Silver certification based on LEED for schools 2007 requirements. LEED for Schools 2007/EQ Prerequisite 3 indicates a requirement to meet ANSI S12.60-2002 criteria. ANSI S12.60-2002/4/5/5 indicates that wood doors such as those identified above are to have laboratory STC ratings of 30 or more in their operable condition (see Exhibit B attached).
Many wood door manufacturers make an ordinary “C” fire-labeled wood door using standard construction methods and cost is predictable. However, this type of wood door with standard construction does not have a true STC rating, In the industry, there is a idea that such a wood door with standard construction along with extra Sounds Seal hardware would equate to about an STC 28 or 29 level of performance if it were truly STC rated.
In order o make a true STC wood door that is certified to achieve a sound transmission rating of STC 30 or higher, a wood door manufacturer uses special construction methods and materials to meet stringent laboratory measurements. As a result, a fire-labeled wood door with a STC rating of 30 or higher is available but at a premium price as compared to fire-labeled wood doors made whit standard construction.

Incidentally, on this project there is an STC-related requirement that is identified in the Door Hardwar specification at Section 8710-9/2.11 B.1 & B.2 (see Exhibit C attached).

This Section provides for Sound Seals (gasketing) to be furnished in conjunction with any STC 30 and STC 40 wood doors on the Project presumably to maintain the respective sound transmission quality level for the total opening.

Given the above referenced idea regarding the acoustical performance of fire-labeled wood doors of standard construction coupled with the Sound Seal hardware indicated for those openings in the Hardwar Specification, there are differing interpretations in the industry as to whether or not a true STC rated wood doors are required. In other words, some are interpreting the documents to mean that a) a fire-labeled wood door with standard construction is acceptable since it get you close on the sound transmission aspect and is accompanied by the sound seal hardware while other are interpreting the document to mean that b) only a true STC fire-labeled wood door with special construction is acceptable . Which interpretation is correct "a" or "b"?

A clarification on this issue is essential for the PBC and the bidders due to public health as well as the significant price difference between wood doors with standard versus special construction. We respectfully request and interpretation in the form of a written addendum to the Contract Documents. As this Project bids in the near future, your immediate attention to this request will be most appreciated. Please feel free to contact me with any questions. Thank you.

- A23.** It is incumbent upon the contractor to provide and install materials that satisfy the requirements of the project. The contractor is also required to provide the USGBC with acceptable documentation to confirm compliance with the prerequisite requirements as well as achieving all required fire ratings.
- Q24.** Sections 11062 – Stage Rigging & 11052 – Rigging, Curtains and Track both describe the same products. Can one of these sections be deleted?
- A24.** Delete Section 11062, see revised Section 11052, attached.
- Q25.** On Sheet A5.9, Wall Sections 5 and 6 – Is the Prefinished Metal Coping at the top of the Masonry provided by others? What about the Prefinished Metal Coping at the top of the Louvered Screen Wall?
- A25.** This is a coordination issue between G.C. and Sub-contractor; this Prefinished Metal Coping is to be provided.
- Q26.** On Sheet A5.9, Plan Details 2 and 4 – These Details call for Mullion Free Mitered Corners, are 45 degree miters that are NOT welded Acceptable? This joint could be caulked if required. Please clarify if 45 degree is acceptable and whether or not caulk would be required for the joint.
- A26.** These are to be solid welded corners.
- Q27.** On Sheet A3.1, North and East Elevations show Miscellaneous Louvers just below the 2nd Floor Slab, are these louvers to be Model ELF 375X by Ruskin or Equal? Continuation to the question, the Specification 10200, Item 2.04 describes a louver that is not Model ELF 375X or Equal...please clarify the performance criteria in the specification so there is not a contradiction.
- A27.** Smaller openings are to receive louver described in specification section 10200. Large opening to receive ELF375x by Ruskin or approved equal
- Q28.** Specification 10200, Item 2.04, 8 and 2.05, E call for Class I Clear Anodic Coating. Item 2.08 calls for a two (2) coat fluoropolymer finish – Please clarify what finish is required for Miscellaneous Louvers and the Acoustical Louvers. PLEASE NOTE THAT THE MISC. LOUVERS AND THE ACOUSTIC LOUVERS ARE MADE FROM DIFFERENT ALLOYS OF ALUMNINUM AND WILL ANODIZE DIFFERENTLY. TO ENSURE COLOR UNIFORMITY, WE SUGGEST USING A PAINTED FLUOROPOLYMER FINISH. MOST SUPPLIERS HAVE A CLEAR ANODIZED COLOR MATCH IN A FLUOROPOLYMER FINISH.
- A28.** Louvers to receive Class I Clear Anodic Coating.

- Q29.** Specification 10200, Item 1.02, B, 1 call for Structural Calculations. Are these Calculations to be Signed and Sealed by a License Engineer in the State of Illinois?
- A29.** Yes
- Q30.** There is a discrepancy in item #1 of the food service spec. The shelving specifies both 3 tier and 4 tier. Which is required?
- A30.** 3 tiers
- Q31.** Single hung window types 2, 3, and 7 are detailed on page A12.2 with exterior sunshades and interior light bars. Section cut 3 on page A6.1 shows the attachment of these sunshades and light bars directly to the windows. This attachment detail is not possible due to the fact that these windows will not provide adequate support for the sunshades / light bars. The addition of perimeter 2" x 4 1/2" Tubelite T1400 (or similar) framing would allow for the direct attachment of the sunshades at the exterior and the light bars on the interior. Will the addition of this perimeter framing be acceptable?
- A31.** The specification says requires reinforcement of the window framing. The solution described above is one way of achieving it. The spec also gives the GC the option of anchoring the sunshades, etc to the cmu back up. They have multiple options to do this as per the spec.

List of Attachments:

- Specification Section 11052 Rigging, Curtains and Tracks, complete section. (8 1/2"x11" format)
- Specification Section 15195 Natural Gas Piping, complete section. (8 1/2"x11" format)
- Specification Section 16720 Security System, complete section. (8 1/2"x11" format)
- Specification Section 16750 Assisted Listening Device Systems, complete section. (8 1/2"x11" format)
- ASK-001, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-002, 1 page (11"x17" format), dated 4-16-09
- ASK-003, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-004, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-005, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-006, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-007, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-008, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-009, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-010, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-011, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-012, 1 page (11"x17" format), dated 4-16-09
- ASK-013, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-014, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-015, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-016, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-017, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-018, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-019, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-020, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-021, 1 page (11"x17" format), dated 4-16-09
- ASK-022, 1 page (11"x17" format), dated 4-16-09
- ASK-023, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-024, 1 page (8 1/2"x11" format), dated 4-16-09
- ASK-025, 1 page (8 1/2"x11" format), dated 4-16-09

ASK-026, 1 page (8 ½"x11" format), dated 4-16-09
ASK-027, 1 page (8 ½"x11" format), dated 4-16-09
ASK-028, 1 page (8 ½"x11" format), dated 4-16-09
ASK-029, 1 page (11"X17" format), dated 4-16-09
ASK-030, 1 page (11"X17" format), dated 4-16-09
ASK-031, 1 page (11"X17" format), dated 4-16-09
ASK-032, 1 page (11"X17" format), dated 4-16-09
ASK-033, 1 page (8 ½"x11" format), dated 4-16-09
ASK-034, 1 page (8 ½"x11" format), dated 4-16-09
ASK-035, 1 page (8 ½"x11" format), dated 4-16-09
ASK-036, 1 page (8 ½"x11" format), dated 4-16-09
ASK-037, 1 page (8 ½"x11" format), dated 4-16-09
ASK-038, 1 page (8 ½"x11" format), dated 4-16-09
ASK-039, 1 page (11"X17" format), dated 4-16-09
TSK-001, 1 page (8 ½"x11" format), dated 4-16-09
TSK-002, 1 page (8 ½"x11" format), dated 4-16-09
C1.0, 1 page (30X42" format), dated 4-16-09
C5.1, 1 page (30X42" format), dated 4-16-09
C5.3, 1 page (30X42" format), dated 4-16-09
A3.1, 1 page (30X42" format), dated 4-16-09
A3.3, 1 page (30X42" format), dated 4-16-09
A3.4, 1 page (30X42" format), dated 4-16-09
A5.1, 1 page (30X42" format), dated 4-16-09
A5.2, 1 page (30X42" format), dated 4-16-09
A5.3, 1 page (30X42" format), dated 4-16-09
A5.4, 1 page (30X42" format), dated 4-16-09
A5.5, 1 page (30X42" format), dated 4-16-09
A5.6, 1 page (30X42" format), dated 4-16-09
A5.7, 1 page (30X42" format), dated 4-16-09
A5.8, 1 page (30X42" format), dated 4-16-09
A5.9, 1 page (30X42" format), dated 4-16-09
A5.11, 1 page (30X42" format), dated 4-16-09
A6.1, 1 page (30X42" format), dated 4-16-09
A6.2, 1 page (30X42" format), dated 4-16-09
A6.3, 1 page (30X42" format), dated 4-16-09
A6.4, 1 page (30X42" format), dated 4-16-09
A6.11, 1 page (30X42" format), dated 4-16-09
A6.12, 1 page (30X42" format), dated 4-16-09
A7.1, 1 page (30X42" format), dated 4-16-09
A12.1, 1 page (30X42" format), dated 4-16-09
S1.1A, 1 page (30X42" format), dated 4-16-09
S1.1B, 1 page (30X42" format), dated 4-16-09
S 1.2A, 1 page (30X42" format), dated 4-16-09
S1.2B, 1 page (30X42" format), dated 4-16-09
S1.3A, 1 page (30X42" format), dated 4-16-09
S1.3B, 1 page (30X42" format), dated 4-16-09
S1.4A, 1 page (30X42" format), dated 4-16-09
S3.0, 1 page (30X42" format), dated 4-16-09
S3.1, 1 page (30X42" format), dated 4-16-09
S3.4, 1 page (30X42" format), dated 4-16-09
S5.1, 1 page (30X42" format), dated 4-16-09

S5.2, 1 page (30X42" format), dated 4-16-09
M1.3, 1 page (30X42" format), dated 4-16-09
M1.5, 1 page (30X42" format), dated 4-16-09
M1.9, 1 page (30X42" format), dated 4-16-09
M4.2, 1 page (30X42" format), dated 4-16-09
M5.4, 1 page (30X42" format), dated 4-16-09
M5.5, 1 page (30X42" format), dated 4-16-09
M5.7, 1 page (30X42" format), dated 4-16-09
M6.1, 1 page (30X42" format), dated 4-16-09
E0.2, 1 page (30X42" format), dated 4-16-09
E1.0, 1 page (30X42" format), dated 4-16-09
E1.2, 1 page (30X42" format), dated 4-16-09
E1.3, 1 page (30X42" format), dated 4-16-09
E1.4, 1 page (30X42" format), dated 4-16-09
E1.5, 1 page (30X42" format), dated 4-16-09
E1.6, 1 page (30X42" format), dated 4-16-09
E2.1, 1 page (30X42" format), dated 4-16-09
E2.2, 1 page (30X42" format), dated 4-16-09
E2.3, 1 page (30X42" format), dated 4-16-09
E2.4, 1 page (30X42" format), dated 4-16-09
E2.5, 1 page (30X42" format), dated 4-16-09
E2.6, 1 page (30X42" format), dated 4-16-09
E4.1, 1 page (30X42" format), dated 4-16-09
E7.2, 1 page (30X42" format), dated 4-16-09
E8.2, 1 page (30X42" format), dated 4-16-09
E8.3, 1 page (30X42" format), dated 4-16-09
E8.4, 1 page (30X42" format), dated 4-16-09
PU1.1, 1 page (30X42" format), dated 4-16-09
P1.1, 1 page (30X42" format), dated 4-16-09
P1.3, 1 page (30X42" format), dated 4-16-09
P2.1, 1 page (30X42" format), dated 4-16-09
P4.1, 1 page (30X42" format), dated 4-16-09
P4.2, 1 page (30X42" format), dated 4-16-09