

PUBLIC BUILDING COMMISSION OF CHICAGO

ADDENDUM NO. 4 TO CONTRACT NO. 1495

For

ENGINE COMPANY 109
2343 S KEDZIE AVENUE
NEW CONSTRUCTION

DATE: November 4, 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:

ITEM NO. 1 Rescheduled Bid Opening Date and Time: Thursday, November 5, 2009 at 3:30PM

ITEM NO. 2 Delete Bid Form, dated Nov 2, 2009 and replace with attached.

Changes to Book 3: TECHNICAL SPECIFICATIONS:

ITEM NO. 1 SECTION 05120 - STRUCTURAL STEEL

A. Delete paragraph 1.5.C in its entirety

ITEM NO. 2 SECTION 08710 – DOOR HARDWARE

A. Delete hardware set #17 and substitute the following:

“SET #17

1	Continuous Hinge	MCK-HG305	630	MC
1	Lock Set	LC 8237 LNF	630	SA
1	Mortise Cylinder	1E74	626	BE
1	Closer	351 PD10	EN	SA
1	Kickplate	KP50 8" x 2" LDW B4E CSK	630	MC
1	Overhead Stop	9 Series	630	RX
1	Set Gasketing	S88 C		PE”

ITEM NO. 3 SECTION 17320 – TELEPHONE SETS

A. Revise Paragraph 1.2.B to read:

“B. Provide and Install the following products, part numbers:

1. (25) 12 Line LCD Speakerphones (Part number-8012S-GT).
2. (4) Single Line Analog Telephones (Part number-2500).”

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ITEM NO. 4 SECTION 15747 – GEOTHERMAL LOOPFIELD DESIGN

- A. Article 3.8 add Paragraph 3.8.C to read:

“Install piping per manufacturer’s recommendation. Utilize methods as required to maintain manufacturer’s warranty.”

ITEM NO. 5 SECTION 17800 – INTEGRATED AUTOMATION SYSTEMS (IAS) GENERAL

- A. Revise matrix in Paragraph 1.11.A, item 5 to say:

“New automatic control valves, automatic dampers and damper linkage, solenoid valves, insertion temperature and pressure sensors wells, etc.”

Revise column “Furnished By” from “M” to “S”. (i.e. revised from Furnished by Mechanical Contractor to Furnished by System Integrator).

- B. Revise Paragraph 1.11.A to say the following:

“The following schedule identifies the responsible trade for the installation of the IAS. This schedule should be used as a general guide. The General Contractor is the central authority governing the total responsibility of all the trade contractors. Therefore deviations and clarifications of this schedule are permitted provided the General Contractor assumes responsibility to coordinate the trade contractors different than as indicated herein. If deviations or clarifications to this schedule are implemented, submit a record copy to the authorized Commission representative. ”

Changes to DRAWINGS:

ITEM NO. 6 DRAWING C4.0 – SITE UTILITY PLAN

- A. Modify plan as per ATTACHMENT CSK-8.

ITEM NO. 7 DRAWING A12.1 – DOOR AND FRAME SCHEDULE & DETAILS

A. DOOR AND FRAME SCHEDULE

1. Door A131 add detail “33/A12.1” for “JAMB LEFT” and “JAMB RIGHT” details.
2. Door A132 add detail “33/A12.1” for “JAMB LEFT” and “JAMB RIGHT” details.
3. Door A142 add detail “33/A12.1” for “JAMB LEFT” and “JAMB RIGHT” details.
4. Door A143 add detail “33/A12.1” for “JAMB LEFT” and “JAMB RIGHT” details.
5. Door A147 add detail “33/A12.1” for “JAMB LEFT” and “JAMB RIGHT” details.
6. Door A106 change hardware set to “6B”.
7. Door A100B change frame type to “K1”.
8. Door A103C change frame material to “HM”.

- B. Detail 44 – DETAIL – HEAD

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1. Delete the note "HM FRAME – GROUT SOLID" and substitute the following: "HM, SS, OR ALUM FRAME, SEE SCHEDULE. GROUT HM AND SS SOLID."
- C. Detail 45 – DETAIL – HEAD
1. Delete the note "HM FRAME – GROUT SOLID" and substitute the following: "HM, SS, OR ALUM FRAME, SEE SCHEDULE. GROUT HM AND SS SOLID."
- D. Detail 46 – DETAIL – HEAD
1. Delete the note "HM FRAME – GROUT SOLID" and substitute the following: "HM, SS, OR ALUM FRAME, SEE SCHEDULE. GROUT HM AND SS SOLID."
- E. Detail 54 – DETAIL – JAMB
1. Delete the note "HM FRAME – GROUT SOLID" and substitute the following: "HM, SS, OR ALUM FRAME, SEE SCHEDULE. GROUT HM AND SS SOLID."
- F. Detail 55 – DETAIL – JAMB
1. Delete the note "HM FRAME – GROUT SOLID" and substitute the following: "HM, SS, OR ALUM FRAME, SEE SCHEDULE. GROUT HM AND SS SOLID."
- G. Detail 56 – DETAIL – JAMB
1. Delete the note "HM FRAME – GROUT SOLID" and substitute the following: "HM, SS, OR ALUM FRAME, SEE SCHEDULE. GROUT HM AND SS SOLID."
- ITEM NO. 8 DRAWING A13.1 – ROOM FINISH, SIGNAGE SCHEDULE AND FINISH PLAN
- A. Room Finish and Signage Schedule
1. Room A148 change "FLOOR FINISH" for the room to "ERF-3".
 2. Room A149 change "FLOOR FINISH" for the room to "ERF-3".
- ITEM NO. 9 DRAWING IAS2.01 – NETWORK SYSTEM ARCH. DIAGRAM
- A. Diagram 1 - NETWORK SYSTEM ARCHITECTURE DIAGRAM
1. Delete note that states "OPTIONAL WORKSTATION AND PRINTER TO BE PROVIDED BY OWNER/ARCHITECT" and substitute the following: "WORKSTATION AND PRINTER TO BE PROVIDED BY NI CONTRACTOR."

QUESTIONS & ANSWERS:

- A. QUESTION: The plan indicates (2) parkway planters along West 24th Street. Is there an additional planter near the intersection of South Kedzie and West 24th Street?
1. Response: No; the only two raised, concrete parkway planters are along West 24th Street. Kedzie Street is comprised of concrete sidewalk, permeable pavers, and trees in open pits per landscape details.

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- B. QUESTION: Drawing T3.1 (Diagram 1), Under the Keyed Note 6, We would like to substitute a Lynx 040-0102 16-Port broadband hub (with Baluns) for the Endeleo TVM1600. Reason, The Endeleo system is a very expensive system. The Endeleo system is approximately \$6000.00 and people need to be trained to be able to support this system after installed and Lynx system is \$1000.00 and after the Lynx system is installed requires no support.
1. RESPONSE: The substitution request form for the Lynx 040-0102 16 port broadband hub has been reviewed by the EOR and deemed an acceptable substitution.
- C. QUESTION: 17320, The spec calls out for (25) speaker phones & (4) single line phones which seems excessive for the amount of tele data locations shown on T1.2 & E2.1. Request; Please verify the quantities of Telephones and Type
1. Response: Quantity and type of phones listed in revised specification section 17320.1.2.B.
- D. QUESTION: Please clarify the following item: Specification section 17800, item 1.3.C and D, as well as 1.4.C and D, request certain materials be submitted with the bid. These materials are not listed in the Document Submittal Check List, nor are they mentioned in the bid form. Are these documents and materials to be submitted with the bid, or submitted after the bid by the successful bidder?
1. RESPONSE: Requirements of Specification section 17800, item 1.3.C and D, 1.4.C and D shall be submitted within 90 days of Notice of Award. The proposal, rate and pricing requirements in Specification section 17800, item 1.3.D.2, 1.3.D.3, 1.3.D.4, 1.4.D.4, 1.4.D.5 and 1.4.D.6 **should not** be included as part of the base bid.
- E. QUESTION: Page IAS0.01, note 25, indicates that the scopes of work for the System Integrator and the Network Integrator are "separated between two distinct sub-contractors." Specification section 17800, item 1.2.D states that the SI and the NI may be the same contractor if the qualifications for both are met. Please indicate if this scope of work can be performed by a single sub-contractor, or not.
1. RESPONSE: The SI contractor and NI contractor may be the same company.
- F. QUESTION: Drwg M5.1 - The schedule for MAU 1 & 2 notes on the Mechanical drawings calls for the following "Manufacturer Lonworks with BAS interface to be coordinated with the TC Contractor" but on IAS4.01 it says provide new Lonworks controller & DDC hardwired points. Question: Who provides the Lonworks controller, the Mechanical with the MAU's already attached and wired or will the TC contractor do this and wire all of the points in physically in the field?
1. RESPONSE: The Mechanical contractor is to provide the LonWorks card in the MAU. The TC contractor is the interface to this card. A note was added to the schedule in Addendum 2 clarifying this. The LonWorks card is to provide all possible points, not necessarily all points. The TC contractor is ultimately responsible for providing any and all points not provided through the LonWorks cards.
- G. QUESTION: IAS4.01 "Loose Controls" that come with the MAU's. The TC is responsible for obtaining these from the Mechanical Contractor to install?
1. RESPONSE: The TC and Mechanical contractors need to coordinate this
- H. QUESTION: There is a detailed list in the Temperature Controls section that says who is supposed to provide what (17800-10). I did not see anything like this in the Mechanical Contractors section. Did I miss this? Mechanical contractors usually do not want to provide the Dampers and Valves but the TC Specification says they should provide these. Question; Should this same section that describes which contractor does what should be put into the Mechanical and Electrical sections so everyone is on the same page?

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1. RESPONSE: The requirement for furnishing these items has been changed from the Mechanical Contractor to the System Integrator per previous and this addendum. See Changes to Book 3: TECHNICAL SPECIFICATIONS above.
- I. QUESTION: Are the Heat Pumps self contained? Drawings state for the manufacturer to provide the DAT, Smoke Detector, Space T & H sensor, Occupancy sensor and CO2 sensors but it also states these points and others associated with the Heat Pumps are hardwired to the system.
 1. RESPONSE: The Mechanical contractor is to provide the LonWorks card in the heat pumps. The TC contractor is the interface to this card. A note was added to the schedule in Addendum 2 clarifying this. The LonWorks card is to provide all possible points, not necessarily all points. The TC contractor is ultimately responsible for providing any and all points not provided through the LonWorks cards.
- J. QUESTION: Who is supposed to wire the power, shut down and alarm wiring for the Smoke Detectors for the HeatPumps?
 1. RESPONSE: Follow the Schedule of Responsibilities matrix in spec section 17800. All mechanical and electrical trades are required to review this section for work of their divisions.
- K. QUESTION: IAS4.06 Kitchen Exhaust Fan 1 shows a VFD being installed but the sequence of operations says 2 speeds. Is this correct? 6a) If the VFD is correct, where is the static pressure sensor of means of control for this?
 1. RESPONSE: There is no VFD for KEF-1. Controls Diagram, Points List, and Sequence of Operation (all on dwg IAS4.06 has been revised per Addendum #2.
- L. QUESTION: IAS4.07, Detail 1 – Unit Heater and Electric Unit Heaters show a Lonworks stat but the notes say these are not integrated to the BAS system? Clarification please.
 1. RESPONSE: Notes have been revised per Addendum #2. UH and EUH are part of the IAS.
- M. QUESTION: IAS4.07 Power Monitoring: One of the diagrams shows power monitoring for mechanical motors. How many mechanical motors are supposed to get direct power monitoring? How many total power meters are required for this project.
 1. RESPONSE: Individual motors are not being monitored with the power meters. There are 5 power meters total.
- N. QUESTION: Spec section 17835: is any of these items necessary since the drawings show the computer equipment as provided by owner, and no details are shown on the plans.
 1. RESPONSE: 17835 specifies the equipment to be provided by the NI Contractor, whereas spec section 17830 specifies the equipment to be provided by the SI Contractor.
- O. QUESTION: Specification Section 05120-2, 1.5 Quality Assurance Item C Shop-Painting Applicators, states that they must be qualified according to AISC's Sophisticated Paint Endorsement P1 or SSPC-QP 3, "Standard Procedure for Evaluating Qualifications of Shop Painting Applicators." This section of the specification for Engine Company 109 will severely limit the Steel Fabricators that are eligible to quote on this project. We are assuming this is not the intent of this section. Please clarify.
 1. RESPONSE: See Change to Book 3 Technical Specifications –Item No. 1. Of Addendum No. 4

List of Attachments:

REVISED BID FORM, dated Nov. 4, 2009

CSK-8

END OF ADDENDUM NO. 4

Mayor Richard M. Daley, Chairman

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