PUBLIC BUILDING COMMISSION OF CHICAGO

ADDENDUM NO. 5 TO CONTRACT NO. C1554
For
WILLIAM JONES COLLEGE PREP HS PHASE II
RENOVATION

DATE: June 26, 2013

REVISED BID OPENING DATE IS:

Monday, July 1, 2013 at 11:00 AM

NOTICE OF CHANGES IN CONTRACT DOCUMENTS

The following changes are hereby made in the Contract Documents.

Delete the Narrative to Addendum #3 and replace with the following Narrative:

Changes to Book 3: TECHNICAL SPECIFICATIONS:

Change 1: Document No. 00 01 10 – Table of Contents (TOC)

a. REPLACE TOC dated 06/11/2013 with TOC dated 06/19/2013 issued herewith.

Change 2: Section 09 51 13 – Acoustic Panel Ceilings is REVISED.

a. Part 2.1 – Acoustical Panels; all types have been revised to reflected those shown in the sheets.

b. Part 2.1.C – Ceiling Type 4 size revised to reflect drawings.

Change 3: ADD Section 23 64 13.13 – Direct Fired Absorption Water Chillers - NEW

Change 4: REPLACE Section 23 25 00 – HVAC Water Treatment –Electrochemical precipitation unit & surge tank added for condenser water system scaling and corrosion control.

Change 5: REVISED Section 23 09 26 - Building Automation Systems Sequence of Operation :

a. Paragraph 1.5 – Added items to list of definitions and abbreviations to match what was in the spec.

b. Paragraph 3.2.B – Removed the requirement for the chilled water system to be disabled based on AHU unoccupied status.

c. Paragraph 3.2.D.1 – Added requirement for combustion air fan (CAF) to start during chiller start up, and verify operation.

d. Paragraph 3.3.C – added statement in "Condenser Water Start Up and Operation for CH-1" to start chemical treatment precipitation pump through hardwire interconnection

e. Paragraph 3.3.D – added statement in "Condenser Water Start Up and Operation for CH-2" to start chemical treatment precipitation pump through hardwire interconnection

f. Paragraph 3.3.F – added section describing condenser water shut down

g. Paragraph 3.4.E – Rewrote statement concerning lead boiler enable.

h. Paragraph 3.4.F – Rewrote statement concerning lead boiler disable.

i. Paragraph 3.9.A.2 – rewrote description of how S-1 and S-2 provide stairwell pressurization.

j. Paragraph 3.9.C – added section 3.9.C describing how S-1 and S-2 enter stairwell pressurization mode via signal from Fire Alarm Control Panel. All sections under 3.9 shift down one letter.

k. Paragraph 3.9.F.2 (previously 3.9.E.2) – removed requirement for supply duct static pressure setpoint to be determined by T&B Contractor.

l. Paragraph 3.9.F.3 (previously 3.9.E.3) – Rewrote Supply Fan VFD Control – Stairwell Pressurization and Smoke Evacuation Mode paragraph to make clearer.

m. Paragraph 3.9.G.3 (previously 3.9.F.3) – Rewrote Return Fan VFD Control – Stairwell Pressurization and Smoke Evacuation Mode paragraph to make clearer.

n. Paragraph 3.9.I.3 (previously 3.9.H.3) – Rewrote Return Air & Exhaust Air Dampers Stairwell Pressurization and Smoke Evacuation Mode paragraph to make clearer.

o. Paragraph 3.9.J.3 (previously 3.9.I.3) – revised paragraph regarding economizer control, lowered economizer changeover from 70°F to 60°F.

p. Paragraph 3.9.J.4 (previously 3.9.I.4) – Rewrote paragraph to make clearer.

q. Paragraph 3.9.K (previously 3.9.J) – Rewrote Stairwell Pressurization Supply Duct Isolation Dampers paragraph to make clearer.

r. Paragraph 3.9.M (previously 3.9.L) – Revised S-1 and S-2 chilled water coil control so CHW valve is closed always when in economizer mode.

s. Paragraph 3.9.N – added paragraph for S-1 and S-2 smoke detector control describing normal mode versus stairwell pressurization mode.

t. Paragraph 3.9.O (previously 3.9.M) –removed “smoke safety” logic strategy from list of S-1 and S-2 safeties (because special smoke strategy was added).

u. Paragraph 3.10.I.3 – revised paragraph regarding S-7 and S-8 economizer control, lowered economizer changeover from 70°F to 60°F.

v. Paragraph 3.10.J – Revised S-7 and S-8 chilled water coil control so CHW valve is closed always when in economizer mode.

w. Paragraph 3.11.F.4 – revised paragraph regarding S-3 economizer control to match other AHUs

x. Paragraph 3.11.H – Revised S-3 chilled water coil control so CHW valve is closed always when in economizer mode.

y. Paragraph 3.12.G.2.c – revised description of S-4 preset damper position when EF-6 is ON and s-4 is operating in high speed, the OA damper will index to a position between 50% and 100% as set on BAS.

z. Paragraph 3.12.I.3 – Revised S-4 chilled water coil control so CHW valve is closed always when in economizer mode.

aa. Paragraph 3.13.I.3 – revised paragraph regarding S-5 economizer control, lowered economizer changeover from 70°F to 60°F.

bb. Paragraph 3.13.K.2 – Revised S-5 chilled water coil control so CHW valve is closed always when in economizer mode.

Changes to Drawings:

Change 6: A1.01 – Overall Level 01 Floor Plan

a. Scope added at Building „A "Stair - Removal of Existing Supply Air grilles and Installation of new grilles at Floors 1, 3, and 5.

Change 7: A1.03 – Overall Level 03 Floor Plan / Level 02-Building „A "

a. Guardrail, Catwalk, and Ladder added for Cooling Tower Access

Change 8: A8.04-2 – Building „D "Cafeteria Reflected Ceiling Plans

a. View 3: removed and relocated to A10-00

b. View 2: Ceiling Types revised.

c. Detail Section Tags added for clarification.

d. Joints added to Gypsum board ceiling, Clg-2, at Cafeteria (D153) Corridor.

Change 9: A8.04-5 – Building „D "Level 02 Floor Plans

a. View 2: Ceiling Types revised.

Change 10: A10-00– Interior Details

a. New sheet added.

Change 11: M1.1D – Bldg. D First Floor Ventilation Demolition Plan

a. Indicated section of supply ductwork in cafeteria that will be removed to create room for new soffit.

Change 12: M3.0A – Bldg. A Basement Ventilation Plan

a. Flue duct size revised.

Change 13: M3.1D – Bldg. D First Floor Ventilation Plan

a. Supply duct to BC-7 & 8 revised.

Change 14: M4.0A – Bldg. A Basement Mechanical Piping Plan

a. Added bypass around flow meters.

b. Relocated chiller bypass

c. Added chemical treatment units.

Change 15: M4.2D – Bldg. D Second Floor Piping Plan

a. Added thermostat, carbon dioxide and humidity sensors in auditorium.

Change 16: M4.3D – Bldg. D Lower And Upper Level Mechanical Room Piping Plan

a. Added floor drain location in mechanical room

Change 17: M4.4D – Bldg. D Roof Piping Plan

a. Added cooling tower and all related piping.

Change 18: M6.1 – Bldg. D First Floor Mechanical Room Piping Plan

a. Added key note 3

b. VFD location shown on column for S-3 & E-5

Change 19: M8.0 –Mechanical Schedules

a. Exhaust fan schedule note 3 revised to read “Provide VFD with integral disconnect”

Change 20: M8.2 –Mechanical Schedules

a. Pump schedule note 1 revised to read “Provide VFD with integral disconnect”

b. Cooling Tower schedule note 1 revised to read “ Provide remote mounted VFD with integral disconnect & bypass”

Change 21: M9.1 – Mechanical Details

a. Revised chiller detail to show flex connections.

b. Revised cooling tower detail to show chemical treatment water meter.

Change 22: M9.4 – Mechanical Details

a. Revised chemical treatment detail.

Change 23: M10.3 – Added notes regarding control of combustion air fan with chiller and emergency fuel kill switch.

Change 24: M10.5 – Added notes regarding control of combustion air fan with boiler and emergency fuel kill switch.

Change 25: E1.0A – Bldg A Basement Electrical Demolition Plan

a. Changed the tag XR to EX to reflect equipment that is being removed.

b. Removed Key Note 2.

c. CAF-5 is existing to remain, CAF-4 is existing to be removed.

d. Added the demolition of E-11 and Old Chemical Treatment Pump.

Change 26: E1.1D – Building D First Floor Electrical Demolition Plan

a. Changed the tag XR to EX to reflect equipment that is being removed.

b. Added work to remove existing electrical devices and conduit on west wall of Storage D164 due to wall being temporarily removed, and then to reinstall devices after wall is reconstructed.

Change 27: E1.2D – Building D Second Floor Electrical Demolition Plan

a. Added EX tag to S-5.

Change 28: E2.0A – Building A Basement Electrical Power Plan

a. Changed CAF-5 to Existing

b. Added Green Machine Pump, conduit, wiring, and a new MCP with starter in MCC-C.

c. Added 3 120V. circuits for control panels. These panels are for CH-2, Green Machine, and Chemical Treatment systems.

d. Added three new circuits in panel PPA1-B located in the main electrical room.

e. Rearranged pumps CHWP-1, CHWP-2, CWP-1, CWP-2, and their associated combination VFD "s.

f. Removed Key Note 3

Change 29: E2.1D – Building D First Floor Electrical Power Plan

a. Showed VFD" s for E-5 and S-3 in new location.

b. Removed Pumps P-7 and P-8

Change 30: E2.4D – Building D Roof Electrical Power Plan

a. Added 120V circuit for Cooling Tower Frame.

Change 31: E5.0 – Electrical Schedules

a. Changed rating of chiller C-2.

b. Changed existing rating of E-8.

c. Removed P-4, P-7, and P-8.

d. Updated P-6 with correct information.

Change 32: P1.1D - Building D First Floor Demolition Plumbing Plan

a. Note added to reroute waste piping as necessary to accommodate new pippin layout.

Change 33: P2.1D - Building D First Floor Plumbing Plan

a. Note added to reroute waste piping as necessary to accommodate new piping layout.

List of Attachments Provided Under Addendum 3:

SPECIFICATIONS:

Spec. No.	Title	Date	
00 01 10	TABLE OF CONTENTS	06/19/13	
09 51 13	Acoustical Panel Ceilings	06/19/13	
23 64 13.13	Direct Fired Absorption Water Chillers	06/19/13	
23 09 26	Building Automation Systems Sequence of Operation	06/19/13	
23 25 00	HVAC Water Treatment	06/19/13	

DRAWINGS:
Document Control List: Provided under Addendum 3, dated June 19, 2013

END OF ADDENDUM NO. 5