



STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 3 TO PROJECT NO. 44811

**REPLACE THE HVAC SYSTEMS, BUILDINGS 29 AND 66
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY**

March 6, 2015

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

HVAC SPECIFICATIONS

1. Refer to Specification Section 230923 - Direct Digital Building Control System:
 - A. Refer to Article 1.06.A.8. Delete the last sentence in Item 8 and replace with the following:

"...At Building 66 where existing fin radiation and convectors have on/off electric control valves, replace control valves with modulating electric control valves. Remove electronic programmable thermostats (located in Second Floor Mechanical Room), transformers, remote sensors and wiring. Integrate control with DDC systems."
 - B. Refer to Article 2.03. Add the following new Paragraph G:

"G. LCD Graphic Touch Screen Display:

 1. LCD graphic touch screen display shall be configured as follows:
 - a. Tablet Computer.
 - b. 128 GB RAM (minimum).
 - c. Intel Core i5 Microprocessor with 4 GB system memory.
 - d. Integral Wireless: Wi-Fi 802.11ac/802.11 a/b/g/n and Bluetooth 4.0.
 - e. Stereo speakers with Dolby Audio-enhanced sound.
 - f. (1) Full size USB 3.0, (1) MicroSD card reader, (1) Mini DisplayPort, (1) Headset jack, (1) Charging port.
 - g. 12" 2160x1440 resolution multi-touch input HD color display; 3:2 aspect ratio.
 - h. Original printed manuals for tablet and all software.
 - i. Original installation disks or CD for all software and device drivers.
 - j. Software registration cards for all included software shall be provided to the Owner.

- k. External power supply/battery charger.
 - l. Mounting bracket to securely mount tablet PC to panel face: Powder-coated steel with stainless steel fasteners.
 - 2. Software:
 - a. Windows 8.1 Pro.
 - 3. User Experience:
 - a. User experience shall be identical to Dedicated Web Based User Interface as previously defined. Tablets or touch screen displays that do not provide this level of functionality are not acceptable."
- C. Refer to Article 2.10.B.1. Add the following new Item d:
- "d. Provide heavy cage (Gym) guard on space temperature sensors where indicated on drawings. Guards to be Kele Model ATK with center pin torx security fasteners."
- D. Refer to Article 3.03. Add the following new Paragraph H:
- "H. Provide all control wiring and conduit required between ductless split air conditioner indoor (DSSE) units, outdoor units (DSSC). Wire and mount wall mounted controller provided with unit. In spaces with both fin radiation control and ductless split air conditioners, provide separate space temperature sensors for fin interface between DDC system and ductless split system to sequence heating and cooling."
2. Refer to Specification Section 232000 - HVAC Piping:
- A. Refer to Article 3.06. Revise Paragraph C to read as follows:
- "C. Schedule of Pipe and Fittings for the different piping services is as follows:
- 1. Chilled Water and Chilled Glycol (CWS, CWR, CGS and CGR) 125 psig and less:
 - a. 2-1/2 inch and less: SW BS pipe with SE SW CI fittings, SW BS piping with WE SW ST fittings or Type L hard drawn copper tubing with wrot copper or cast copper alloy solder fittings, and Type 3 solder, or hydraulic press joints.
 - b. 3 and 4 inch Size: SW BS pipe, with SE SW CI fittings, or WE SW ST fittings.
 - c. 5 inch and Up: SW BS pipe, with WE SW ST fittings.
 - 2. Cold Water (CW) 125 psig and less:
 - a. 3 inch and less: Type L hard drawn copper tubing with wrot copper or cast copper alloy solder fittings, and Type 3 solder, or hydraulic press joints.
 - 3. Domestic Hot Water and Domestic Hot Water Return (DHW & DHWR) 125 psig and less:
 - a. 3 inch and less: Type L hard drawn copper tubing, with wrot copper or cast copper alloy solder fittings, and Type 3 solder, or hydraulic press joints.

4. Hot Water and Hot Glycol Supply and Return (HWS, HWR, HGS and HGR) 125 psig and less:
 - a. 2-1/2 inch and less: SW BS pipe with SE SW CI fittings, SW BS pipe with WE SW ST fittings or Type L hard drawn copper tubing with wrot copper or cast copper alloy solder fittings and Type 3 solder, or hydraulic press joints.
 - b. 3 and 4 inch Size: SW BS pipe, with SE SW CI fittings, or WE SW ST fittings.
 - c. 5 inch and up: SW BS pipe, with WE SW ST fittings.
5. Refrigerants (RS, RL, HG & RD) 350 psig and less:
 - a. All Sizes: Type ACR hard drawn copper tubing third party tested through Underwriter's Laboratories for operating pressures of 700 psig at 250 deg. F with wrot copper fittings, and brazing alloy, unless otherwise specified.
6. Vents (V):
 - a. 4 inch and less: SW BS pipe, with SE SW CI fittings, or GE fittings.
7. Drain Piping:
 - a. Condensate Drain Piping: Type M hard drawn copper tubing with wrot copper or cast copper alloy solder fittings, and Type 3 solder."

HVAC DRAWINGS

1. Refer to Drawing M-106 - Building 29 - Second Floor Plan - HVAC:
 - A. Refer to Offices 210A, 210B and 210C. The following is a note of clarification:

"Space temperature sensor located in Office 210B is to control fin in Office 210A, 210B and 210C and FCU-12D serving these spaces."
 - B. Refer to Women 207A. Add space temperature sensor on east side of east wall common to Storage 207C and Women's 207A to control fin serving Women 207A and 207B and Men 209.
2. Refer to Drawing M-107 - Building 29 - Third Floor Plan - HVAC:
 - A. Refer to Storage Room to the south of Classroom 302. Add space temperature sensor on north wall of Storage Room approximately half way between exterior (west) wall and interior (east) wall to control fin in Storage Room.
3. Refer to Drawing M-112 - Building 66 - First Floor Plan - HVAC - Removals:
 - A. Refer to Stair/Entry to the north of Stage 101. Change label at unit on north wall from "CUH" to "Conv" and change Note 4 at this location to Note 5.
 - B. Add space temperature sensors (in locations where pneumatic thermostats are indicated to be removed) in Music 123, Boys 109 and Men's 105 and replace pneumatic control valves with electric control valves to control existing fin in these spaces.

4. Refer to Drawing M-116 - Building 66 - First Floor Plan - HVAC:
 - A. At Men 105, add EF-10 with Note 6.
5. Refer to Drawing M-503 - Details:
 - A. Add fin radiation piping details on Sketch SKH-1 included with this Addendum.

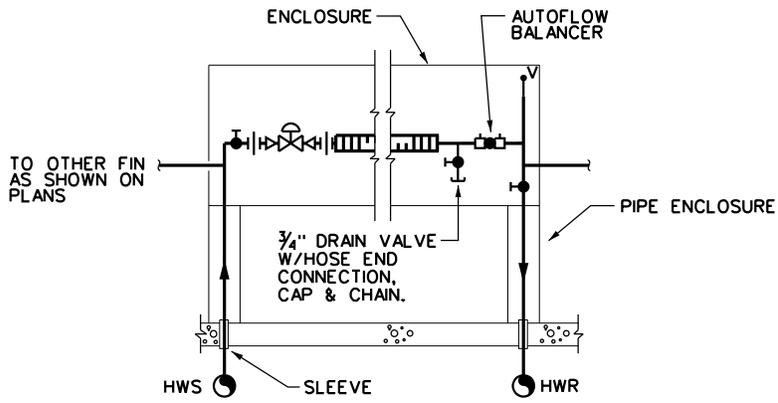
ELECTRICAL DRAWINGS

1. Refer to Drawing E-111 - Building 66 - First Floor Plan - Electrical:
 - A. Change Note 1 to read as follows:

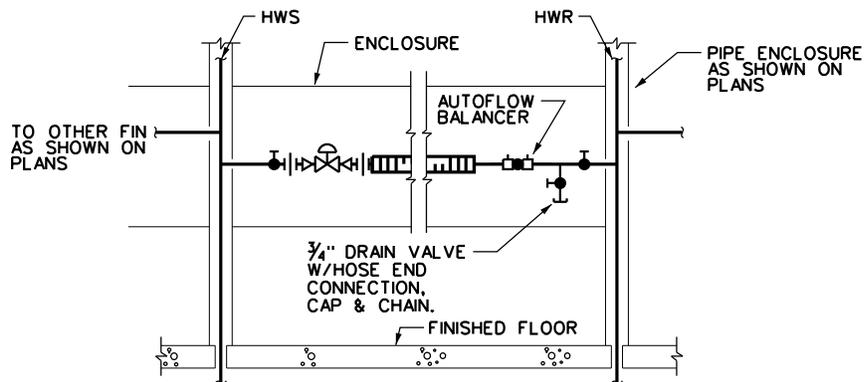
"1. Install motor controller and reconnect fan and controller to existing circuit."
 - B. At Men's 105, add EF-10 with Note 1.
2. Refer to Drawing E-112 - Building 66 - Second Floor Plan:
 - A. Change size of temporary power feeders in 4 in. PVC conduit at east wall of Gymnasium from 4#500 KCMIL to 4#600 KCMIL aluminum and 1#1/0 ground.
 - B. Change EF-5 ASD to EF-5 Starter.
 - C. Change HWP-3 starter to HWP-3 Type A-1 manual motor controller with relay.
3. Refer to Drawing E-605 - Building 66 - Partial Power Distribution Diagram:
 - A. At existing Panels LP/2, LP/1, LP/3, LP/5 and LP-123A run new feeders through new pull boxes and terminate at feeder connections inside existing panels.
4. Refer to Drawing E-606 - Building 66 - Electrical Equipment and Control Schedule:
 - A. Refer to Equipment and Control Schedule. Change the following:
 - 1) Item numbers EF-6 through EF-10, provide an "X" in the Manual Motor Starter column for each piece of equipment. Delete the "X" in the Packaged Control Unit Furnished by Others column for each of EF-6 through EF-10.

END OF ADDENDUM

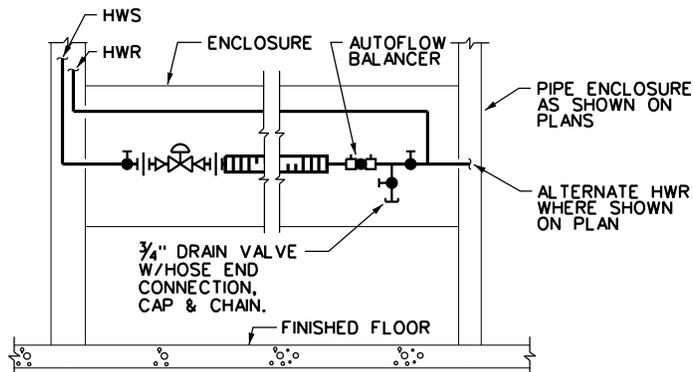
Margaret F. Larkin
Executive Director
Design and Construction



3RD FLOOR



2ND FLOOR



1ST FLOOR

ADDENDUM #3 REFERENCE DRAWING: M-503

SHEET TITLE: FIN RADIATION PIPING DETAIL
HOT WATER

PROJECT: INDUSTRY LIMITED SECURE CENTER
REPLACE HVAC SYSTEMS
BUILDINGS 29 AND 66

WARNING: THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

DWG NO:
SKH-1



NYS OFFICE OF GENERAL SERVICES

Serving New York

CONTRACT: HVAC

PROJ. NO: 44811

DATE: 03/05/15

DRAWN: RBE

APPROVED: JCB