DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 2 TO PROJECT NOS. 44790

CONSTRUCTION WORK, HVAC WORK, PLUMBING WORK, ELECTRICAL WORK
PROVIDE MAINTENANCE BUILDING
BROOKWOOD SECURE CENTER
PO BOX 419, CR 29
CLAVERACK, NEW YORK

November 16, 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.

SPECIFICATION GROUP

C – CONTRACT ONLY:

1. Page 033000 – 5, Article 2.01, Add the Following Paragraph:

   "O. Bitumastic Damp Proofing: Ultra-high build, single-component coal tar mastic for protecting concrete substrates subject to aggressive conditions below grade.
      1. Design Basis: Carboline Bitumastic 50 or equal."

H – CONTRACT ONLY:

2. SECTION 230933 TEMPERATURE CONTROL SYSTEM ELECTRIC ELECTRONIC: Add the accompanying section (pages 230933 – 1 and 230933 – 3) to the Project Manual noted "Revised 11/16/2015".

P – CONTRACT ONLY:

3. Page 220519-2, Paragraph 2.01.F: Change "Neptune Model TRU/FLO 3 inch meter" to "Hersey Series 500 for the 1 1/2 inch meter and Hersey Series 400 for the 3/4 inch meter,".

CONSTRUCTION WORK DRAWINGS

4. Drawing No. C-101:
   a. Removals Plan, General Note #5: Add "All work associated with the pole and base removals shall be the responsibility of the Construction Work Contract. All work associated with the conduit and wiring modifications shall be the responsibility of the Electrical Work Contract."

5. Drawing No. C-102:
   a. Site Plan, General Site Work Note #7: Add "All work associated with the pole and base installations shall be the responsibility of the Construction Work Contract. All work associated with the conduit and wiring modifications shall be the responsibility of the Electrical Work Contract."

6. Drawing No. C-103:
   a. Utility Notes #6: Add "All work associated with trenching and site restoration shall be the responsibility of the Construction Work Contract. All work associated with the conduit and wiring modifications shall be the responsibility of the Electrical Work Contract."

   b. Utility Notes: Add "24. All work associated with site utilities up to five feet from building perimeters, unless otherwise noted, shall be the responsibility of the Construction Work Contract. All work associated with site utilities within five feet of building perimeters, unless otherwise noted, shall be the responsibility of the Plumbing Work Contract. All work associated with the conduit and wiring modifications, including power, telecommunications, and data, shall be the responsibility of the Electrical Work Contract."

7. Drawing No. C-502:
   a. Typical Wheel Stop Detail 7: Change "7-FT" to "6-FT".

8. Drawing No. S-502:
   a. Foundation Section 1: Change "See Arch. Dwg" to ", 2" thickness by".

   b. Foundation Section at Frame 2: Change "See Arch. Dwg" to ", 2" thickness by".

   c. Foundation Section at Loading Dock: Change "See Arch. Dwg" to ", 2" thickness by".

9. Drawing No. A-601:
   a. Room Finish Schedule, Number 1: Change floor finish from "sealed conc." to "exposed concrete, use chemical hardener (dust proofing)."

   b. Room Finish Schedule, Number 7: Change floor finish from "sealed conc." to "exposed concrete, use chemical hardener (dust proofing)."

   c. Room Finish Schedule, Number 8: Change floor finish from "sealed conc." to "exposed concrete, use chemical hardener (dust proofing)."

PLUMBING WORK DRAWINGS

10. Drawing No. P-101:
    a. Underslab Plan 2: Add "Note: Refer to Utility Plan Drawing C-103 for utility runs and connections."

ELECTRICAL WORK DRAWINGS

11. Drawing No. E-601:
    a. Add general note "Note: Refer to Utility Plan Drawing C-103 for utility runs and connections."
    b. Electrical Service Pole Detail 9: Add note "Note: Contact National Grid electrical service provider for specifications and requirements of service pole and accessories (Tele: 1-800-664-6729)."

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

EJB

"Revised 11/16/2015"

SECTION 230933

TEMPERATURE CONTROL SYSTEM - ELECTRIC ELECTRONIC

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Control Wiring: Section 260523.

B. Motors and Motor Controllers: Section 260221.

1.02 SUBMITTALS

A. Shop Drawings: Flow diagram of system.

B. Product Data:
   1. Catalog sheets, specifications, standard schematic drawings and installation instructions for each item specified. Include a valve schedule and flow diagram of system.
   2. Valve Schedule: List type of valve, manufacturer's model number, and size for each service application.

C. Contract Closeout Submittals:
   1. Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative.

PART 2 PRODUCTS

2.01 MANUFACTURERS/COMPANIES

A. Barber Colman Co.

B. Honeywell Co.

2.02 MATERIALS

A. General:
   1. Control diagrams shown on the drawings, in general, indicate the equipment required for the control sequences specified. Variations in the selection of temperature control equipment, which will produce the required control sequences may be submitted for approval.
   2. All temperature control equipment shall be the product of one manufacturer, unless otherwise specified.

2.04 MISCELLANEOUS PRODUCT REQUIREMENTS

A. Unless otherwise specified or indicated, the following features are required for the equipment specified:
   1. Dial Thermometers: 3-1/2 inches dial type with a liquid filled sensing element for panel or direct mounting as required.
   2. Room Thermostats: Modulating remote adjustment type with bakelite insulator back plates, security cover with accurate thermometer and guard.
   3. Temperature Controllers: Modulating type with scale range to include temperature setting near center of range.
   4. Acceptable Manufacturers: Johnson Service Co., Honeywell Co.

PART 3 EXECUTION

3.01 INSTALLATION

A. Provide electric-electronic operated systems of temperature and humidity control, as noted on the drawings and as specified. Provide all necessary relays, mounting brackets, gages, switches and accessories required, even though not specifically called for, so as to result in complete workable systems.

B. Wiring: Install complete wiring systems in accordance with applicable electric sections included in this specification.

C. General Notes:
   1. Install specified temperature equipment in Mechanical Equipment, Rooms
   2. Install and properly support all ductstats, dial thermometers, thermostat bulbs, temperature and humidity controllers in the center of duct cross section, in a straight duct run.
   3. Provide averaging type elements for sensing mixed air temperatures in ductwork, with sufficient length or sufficient number of elements, so as to efficiently measure the air temperature through the entire cross section of duct.
   4. Test all electric and electronic equipment provided under this Section.

3.02 PERFORMANCE

A. Sequence of Operations:

   1. In Floor Radiant Heat: On a call for heat from zone thermostat, boiler cycles on and zone pump(s) runs. Boiler and zone pump(s) continue to operate until the space temperature has been satisfied. The loop temp shall not exceed 114 degrees F. Coordinate controls with in floor radiant heat manufacturers recommendations and written instructions.

   2. Fan Coil FC-1 (cooling only):
      Startup: Supply fan starts and hydronic control valve opens.

The supply fan runs and the air cooled condenser cycles to maintain space temperature on call from thermostat. Provide controls to limit discharge temperature to 55 degrees F. (adjustable).

3. Fan Coil FC-2 (ventilation unit): This unit runs 24/7 as it is the primary ventilation source. If the outdoor temperature falls below 60 degrees F. the boiler and zone pump FCP-1 will run to maintain a discharge temperature of 74 degrees F. When the outdoor temperature is above 60 degrees F., the fan will continue to run; however the boiler and zone pump FCP-1 will not run.

4. Exhaust Fans: Exhaust fan is to be operated by a wall switch.

5. Dust Collection System: The dust collection system will operate by manufacturers provided controls.

3.03 FIELD QUALITY CONTROL

A. Provide the services of a qualified engineer, in the employ of the control systems manufacturer, for the initial start-up and calibration of control systems, and the instruction of State Personnel.

B. Upon completion of the installation, adjustment and operational testing of control systems, a Company Field Advisor in the employ of the control systems manufacturer, shall for a period of 8 hours, instruct duly authorized State Personnel in the operation and maintenance of the installed systems. The aforementioned hours of instruction shall not include any time spent by field engineers in the start-up, adjustment or calibration of the systems, and this instruction time shall be as scheduled and recorded by the Director’s Representative.

END OF SECTION