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

ADDENDUM NO. 1 TO PROJECT NO. 45834

CONSTRUCTION WORK, ELECTRICAL WORK, HVAC WORK, AND ELEVATOR WORK
REHABILITATE ELEVATORS BUILDING 40
CREEDMOOR PSYCHIATRIC
80-45 WINCHESTER BOULEVARD
QUEEN VILLAGE, NY

October 16, 2020

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 WORK SPECIFICATIONS

1. SECTION 000110 TABLE OF CONTENTS: REPLACE with attached SECTION 000110 TABLE OF CONTENTS (pages 000110-1 through 000110-3) adding "211313 Sprinkler Systems" to the new DIVISION 21 – FIRE SUPPRESSION section, and "230594 Balancing Of Systems" to the DIVISION 23 – HEATING VENTING AND AIR CONDITIONING section.

2. Insert the attached 211313 Sprinkler Systems specification section, dated 10-14-2020, within the Project Manual.

3. Insert the attached 230594 Balancing Of Systems specification section, dated 10-14-2020, within the Project Manual.

ELECTRICAL WORK SPECIFICATIONS

4. Page 283105 – 1, Article 1.01, Replace with the following paragraph:

"1.01 GENERAL

A. This Section is being provided for reference only. All Fire Alarm devices and wiring are being provided (furnished and installed) by JCI under the current OMH-TIMR (Test, Inspect, Maintain, and Repair) Agreement. The Electrical Contractor shall provide all pathways (raceways and boxes) for the required Fire Alarm System Work."

HVAC WORK DRAWINGS

5. Drawing No. M-402:
   a. KEYED DRAWING NOTES, Add Keynote 8 Stating: "REMOVE SPRINKLER HEAD WITHIN THE FOOTPRINT OF THE 18TH FLOOR EQUIPMENT ACCESS DOOR

DIRECTLY BELOW. PROVIDE NEW SPRINKLER HEAD IN ACCORDANCE WITH SPECIFICATION SECTION 211313. PROVIDED HEAD SHALL BE RELOCATED 2-FEET PLAN NORTH-EAST OF REMOVED HEAD. CENTER WITHIN CEILING TILE. PROVIDE SHUTDOWN AND TESTING OF SPRINKLER SYSTEM FOR INSTALLATION OF SPRINKLER HEAD. PROTECT SPRINKLER HEADS LOCATED IN SEVENTEENTH FLOOR ELEVATOR LOBBY FOR DURATION OF PROJECT."

b. Detail 1, Enlarged Machine Room Plan (19th Floor):
    i. Add Key Note 8 located over the existing equipment access door.

ELECTRICAL WORK DRAWINGS

6. Drawing No. E-001:
    a. GENERAL NOTES, ADD Note 22 Stating: "EC TO PROVIDE ALL CONDUITS, JUNCTION BOXES AND BACK BOXES TO SUPPORT VENDORS WORK REFERRED TO IN GENERAL NOTES #20 AND #21."

7. Drawing No. E-101:
    a. KEYED DRAWING NOTES, Change Note 10 To Read:

        "10. PROVIDE DATA OUTLET HOME RUN TO DATA CLOSET. LOCATION TO BE PROVIDED BY OGS/FACILITY. ABSENT FACILTY CONFIRMATION, CONTRACTOR TO ACCOUNT FOR 100LF."

    b. KEYED DRAWING NOTES, Change Note 11 To Read:

        "11. EC TO PROVIDE 2" CONDUIT FROM FACP IN ROOM 1-2 TO MACHINE ROOM. EC TO PROVIDE 12" SQUARE JUNCTION BOX AND 3/4" CONDUIT TO EACH CONTROLLER."

8. Drawing No. E-401:
    a. KEYED DRAWING NOTES, Change Note 3 To Read:

        "3. IN CAR SURVEILLANCE SYSTEM HAS HEAD END IN PIT. DIRECTOR'S REPRESENTATIVE TO COORDINATE WITH JCSS WHICH SHALL PROVIDE THE FOLLOWING:
            1) REMOVE CAMERA AND TRANSMITTER FROM EACH CAR.
            2) RE-INSTALL IN EACH CAR.
            3) ANTENNA CABLE TO BE INSTALLED IN ¾" CONDUIT FROM UNIT TO BOTTOM OF CAR. CONDUIT TO BE PROVIDED BY EC.
            4) ANTENNA TO BE SECURELY MOUNTED TO BOTTOM OF CAR."

    b. KEYED DRAWING NOTES, Change Note 6 To Read:

        "6. REMOVE EXISTING SWITCHES, RECEPTACLES AND PIT LUMINAIRES. PROVIDE GFCI RECPTACLES FOR EACH ELEVATOR. PROVIDE TYPE A LUMINAIRES TO REPLACE EXISTING AND PROVIDE (1) ADDITIONAL FOR EACH ELEVATOR TYPE A LUMINAIRES EXTENDED FROM EXISTING ONES. PROVIDE NEW SWITCHES. PROVIDE (3) #12AWG IN 3/4" C AS REQUIRED. THE EXISTING CIRCUITS ARE IN PANEL RPSB."

c. KEYED DRAWING NOTES, Change Note 7 To Read:

"7. JCSF SHALL PROVIDE THE FOLLOWING:
1.) PROVIDE HEAT AND SMOKE APPLIANCES. BACK BOXES BY EC. MOUNT ON WALL AT SPRINKLER HEAD HEIGHT WITHIN 24" OF HEAD. PROVIDE FIRE ALARM CABLE TO CLOSEST SLC & NAC FOR TAPPING. CONDUIT AND BACK BOX BY EC. COORDINATE SIZE OF BACK BOX, CABLE AND LOCATION WITH DIRECTOR'S REPRESENTATIVE."

d. KEYED DRAWING NOTES, Change Note 9 To Read:

"9. JCFS TO PROVIDE 1ST RESPONDER FIRE ALARM COMMUNICATION JACK AND CABLE IN EVERY LOBBY FLOOR G TO FLOOR 17. EC TO PROVIDE REQUIRED CONDUIT. JCFS TO PROVIDE ADDITIONAL EQUIPMENT AS REQUIRED IN THE FACP HEAD END. COORDINATE WITH UC FOR JACK INSTALLATION."

e. Detail 2, Enlarged Sub-Basement Plan, Corridor 0-2:
a. Label panel adjacent to Keynote 6 with "RPSB".

9. Drawing No. E-402:
a. KEYED DRAWING NOTES, Change Note 8 To Read:

"8. INSTALL RETAINED LIGHTING FIXTURE. CONNECT TO EXISTING LIGHTING CIRCUIT. REFER TO KEYNOTE 19 FOR ADDITIONAL INFORMATION.

b. KEYED DRAWING NOTES, Change Note 11 To Read:

"11. DISCONNECT LIGHTING FIXTURE AND RETAIN FOR REINSTALLATION. RETAIN LIGHTING CIRCUIT FOR REUSE.

c. KEYED DRAWING NOTES, Change Note 17 To Read:

"17. REPLACE 2 EXISTING RECEPTACLES WITH GFCI TYPE. REPLACE 6 EXISTING LUMINAIRES WITH TYPE A LUMINAIRES, REPLACE 2 EXISTING LIGHT SWITCHES. PROVIDE (3) #12AWG IN 3/4" C AS REQUIRED."

d. KEYED DRAWING NOTES, Change Note 21 To Read:

"21 PROVIDE DATA OUTLET HOME RUN TO DATA CLOSET. LOCATION TO BE PROVIDED BY OGS/FACILITY. ABSENT CONFIRMATION, CONTRACTOR TO ACCOUNT FOR 100 LF."

e. Detail 4, Enlarged Machine Room Floor Plan (19th Floor):
a. For each Elevator provide a 100 amp fused disconnect switch, located adjacent to the Elevator Controller. Label as "Elevator 'X' Disconnect," with "X" being the associated Elevator number.

10. Drawing No. E-500:
a. DETAIL NOTES, Change Detail 4, Note 1 To Read:

"1. ELECTRICAL CONTRACTOR TO ROUTE CONDUIT AND WIRE TO ALL EQUIPMENT AND SUPPLY 120V POWER FOR CONTROLS."

b. DETAIL NOTES, Change Detail 4, Note 2 To Read:

"2 ELECTRICAL CONTRACTOR TO ROUTE CONDUIT FOR FIRE ALARM SHUTDOWN OF A/C UNIT. PROVIDE 50 LF OF 3/4" CONDUIT. JCFS TO PROVIDE DEVICES AND WIRING."

c. DETAIL NOTES, Change Detail 4, Note 3 To Read:

"3 "ELECTRICAL CONTRACTOR TO ROUTE CONDUIT FROM RETURN AIR DUCT SMOKE DETECTOR TO FIRE ALARM INTERFACE. PROVIDE 50 LF OF 3/4" CONDUIT. JSFS TO PROVIDE DEVICES AND WIRING."

11. Drawing No. E-501:
    a. Detail 6, Partial Riser Diagram for Elevator System (Typ. of 6):
        i. For each Elevator add a 100 amp fused disconnect switch ahead of the isolation transformer.

END OF ADDENDUM

Erik T. Deyoe, P.E.
Director, Division of Design
Design & Construction

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APPENDIX

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SECTION 211313

SPRINKLER SYSTEMS

PART 1 GENERAL

1.01 REFERENCES

A. NFPA 13 - National Fire Protection Association Standard for the Installation of Sprinkler Systems.

1.02 SYSTEM DESCRIPTION

A. Type of System:
   1. Wet System - Pipe Schedule.

B. Occupancy Classification:
   1. Light Hazard Occupancy.

1.04 SUBMITTALS

A. Product Data: Catalog sheets, specifications, and installation instructions. Indicate UL or FM approval for each product. Include the following additional information:
   1. Mechanical Devices: Complete description of intended use, including normal operating capacities and working pressures.

B. Quality Control Submittals:
   1. Certificates: As required under Quality Assurance Article.
   2. Installers Qualification Data:
      a. Name of each person who will be performing the Work.
      b. Upon request, furnish names and addresses of the required number of similar projects that each person has worked on which meet the experience criteria.

C. Contract Closeout Submittals:
   1. Operation and Maintenance Data. Deliver 2 copies to the Director's Representative:
      a. Instruction manual describing the operation and maintenance of the system.
      b. Parts list for each mechanical and electrical device.
      c. Publication NFPA 25, Inspection, Testing, and Maintenance of Water Based Fire Protection Systems.

1.05 QUALITY ASSURANCE

A. Qualifications: The persons employed to perform the Work of this Section and their supervisor shall be personally experienced in sprinkler work and shall have

been regularly performing such work for a minimum of 5 years while in the employ of a company or companies engaged in the installation of sprinkler systems.

1. Upon request, furnish to the Director the names and addresses of five similar projects which the foregoing people have worked on during the past 3 years.

B. Regulatory Requirements:
   1. Materials for the Work of this Section shall be Underwriter's Laboratories listed, and/or Factory Mutual approved.

C. Certification: NFPA Contractor's Material and Test Certificate.

PART 2 PRODUCTS

2.01 SPRINKLER HEADS AND APPURTENANCES

A. Sprinkler Heads: Brass or bronze, with standard 1/2 inch orifice, and deflector:
   1. Flush Pendent Type: All or part of sprinkler body including shank thread mounts above lower plane of finished ceiling.
   2. Markings: Stamp sprinkler type on deflector in addition to NFPA's color code requirements covering temperature classification.

B. Cover Plate:
   1. Provide and install with a cover plate after installation.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

A. Testing Existing System: Prior to installing the new system, test the existing system, as prescribed for new systems in accordance with NFPA 13, to ascertain its operating condition.
   1. Prepare a written report for the Director's Representative indicating the repairs required, if any, to make the existing system function properly.
   2. Repairs to the existing system are not included in the Work unless requested by Order on Contract.

3.02 PREPARATION

A. Existing Sprinkler System Shutdown:
   1. Before shutting down the sprinkler system to perform the Work, notify the Director's Representative in writing, and the local fire department that the system is to be shut down temporarily. Give schedule which states date and time of proposed shut down and the approximate length of time that the system will be out of service. Request instructions for precautions that should be taken during the shut down period.

2. Do not shut down the system until schedule is approved by the Director's Representative.
3. Return the existing system to pre-shutdown operation immediately after the Work has been completed. Give written notice to the Director's Representative that the system has been returned to pre-shutdown operation.

3.03 INSTALLATION

A. Unless otherwise shown or specified, install the Work of this section in accordance with NFPA 13, and the item manufacturer's installation instructions.

3.04 FIELD QUALITY CONTROL

A. Tests: Unless otherwise shown or specified, perform tests in accordance with NFPA 13.
   1. Flushing: In addition to the requirements of the Standard, flush new piping before making final connection to existing systems and before performing hydrostatic test. Flush at rates of flow prescribed in the Contractor's Material and Test Certificate. After making final connections, flush entire system and assure that debris is removed from piping and there are no stoppages or obstructions in the system.
   2. System Tests:
      a. Test all new Work.
      b. Notify the Director's Representative when the Work of this Section is ready for testing.
      c. Perform the tests when directed, and in the Director's Representatives presence.

END OF SECTION

SECTION 230594

BALANCING OF SYSTEMS

PART 1 GENERAL

1.01 SUBMITTALS

A. Quality Control Submittals:
   1. Testing, Adjustment and Balancing Reports:
      a. Submit final testing and balancing results on applicable report forms, as approved or furnished by the environmental systems balancing council or bureau, which is certifying the independent member agency performing the Work, required by this Section. Each final systems report form shall bear the signature of the person performing the Work and recording the data and the signature of the certified supervisor for the performing agency. Submit simultaneously with the final reports, a list of the instruments used with the last date of calibration for each instrument.

1.02 QUALITY ASSURANCE

A. Qualifications:
   1. Provide the services of a certified independent agency for the testing, adjustment and balancing of all air distribution and hydronic distribution systems complete with all connected apparatus and equipment. The agency shall be certified by the Associated Air Balance Council Bureau - AABC, Los Angeles, Cal. 90026 or by National Environmental Balancing Bureau - NEBB, Arlington, Va. 22209.
   2. The Work shall be performed by skilled mechanical technicians under the direct supervision of certified personnel in the employ of the independent agency. The supervisor shall be personally certified by the national council or bureau, as approved by the Director's Representative.

1.03 SEQUENCING AND SCHEDULING

A. Scheduling:
   1. Perform environmental systems testing and balancing after cleaning, miscellaneous testing, adjustment and operational testing Work has been completed.
   2. Test and balance system during a period of time when outside temperature conditions will impose a significant load on the system; i.e., summer months for air conditioning system, winter months for heating system. Balance and adjust systems accordingly.
   3. Send written notification to the Director's Representative a minimum of five days prior to the performance of testing and balancing Work. Perform testing and balancing Work in the presence of the Director's Representative.

PART 2 PRODUCTS

2.01 TEST EQUIPMENT

A. General Information: Test instruments are included in this specification for information only. Balancing of air shall be performed by qualified personnel utilizing company owned test instruments, which will remain the property of the company. Use test instruments which are in first class operating condition, with individual calibration histories to guarantee their accuracy. Test instruments shall be of type and kind as required by the type of system installed. Trade names and manufacturer's names are mentioned in this section for descriptive purposes only; instruments of equivalent range and capabilities may be utilized.

B. Air Balancing Instruments:
1. Manometers: Inclined with ranges of 0 to 1/4 inch and 0 to 1 inch; Combination inclined and vertical with a range of 0 to 5 inches and U tube type, 18 inches.
2. Portable "Magnehelic" Draft Gages: Ranges 0 to 1/2 inch, 0 to 1 inch and 0 to 5 inches.
3. Anemometers: Deflecting vane type with a range of 100 to 3000 fpm, similar to Alnor Velometer Model 6000 BP and 4 inches diameter rotating vane type.
4. Pitot Tubes: ASHRAE standard type, stainless steel, 5/16 inch diameter, lengths as required.
5. Sling Psychrometer.
6. Smoke Candles and Smoke Generator.

C. Air and Hydronic Systems Balancing Instruments:
1. Thermometers: 12 inches mercury column type and dial type, with a range of -40 to +120 degrees F. and 0 to 220 degrees F. Total of four thermometers.
2. Universal Hand Tachometer: Herman H. Sticht Type UH.
3. Stop Watch.
4. Stroboscope.
5. Contact Pyrometer: Thermocouple type.
6. Volt-Ohm-Ammeter Test Kit, High Current Type: Sperry "Ohmprobe".
7. Volt-Ammeter: With leads for connecting to lugs.

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

A. Inspection: Prior to the environmental testing and balancing of air distribution systems, the certified supervisor in the employ of the testing and balancing agency shall inspect the installations and notify the Director's Representative of any Work which must be performed or modified prior to initiating testing and balancing procedures.

B. Performance: Test and balance environmental air distribution systems, including all connected equipment and apparatus, so as to conform to the pre-balance and design conditions. Perform the Work of this section in accordance with the published standards of the balancing council or bureau, which is certifying the member firm. Record all test readings, calculations and results.

END OF SECTION