



Office of General Services

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

ADDENDUM NO. 1 TO PROJECT NO. 47479

CONSTRUCTION AND ELECTRICAL WORK RENOVATE LOADING DOCK & BUILDING ENTRANCE E ROOSEVELT STATE OFFICE BUILDING POUGHKEEPSIE, NEW YORK

February 6, 2025

<p>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.</p>
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BIDDING REQUIREMENTS

1. DOCUMENT 001114 ADVERTISEMENT FOR BIDS: The last date for receipt of bids is change from Wednesday, February 12, 2025, to Wednesday, February 26, 2025.

CONSTRUCTION WORK SPECIFICATIONS

2. SECTION 260221 MOTORS AND MOTOR CONTROLLERS: Delete this section in its entirety.
3. SECTION 260501 BASIC ELECTRICAL MATERIALS AND METHODS: Delete this section in its entirety.
4. SECTION 260925 OCCUPANCY SENSORS FOR LIGHTING CONTROL: Delete this section in its entirety.
5. SECTION 262815 CIRCUIT BREAKERS FOR EXISTING PANELBOARDS: Delete this section in its entirety.
6. SECTION 265120 LIGHT EMITTING DIODE (LED) FIXTURES: Delete this section in its entirety.
7. SECTION 265200 EMERGENCY LIGHTING UNIT EQUIPMENT: Delete this section in its entirety.
8. SECTION 265300 EXIT LIGHT FIXTURES: Delete this section in its entirety.

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ELECTRICAL WORK SPECIFICATIONS

February 6, 2025

9. SECTION 260221 MOTOR AND MOTOR CONTROLLERS: Add the accompanying Section (pages 260221 – 1 thru 260221 – 3) to the Project Manual.

END OF ADDENDUM

Brady Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 260221

MOTORS AND MOTOR CONTROLLERS

PART 1 GENERAL

1.01 REFERENCES

- A. NEMA MG-1 - Motors and Generators.
- B. NEMA ICS - General Standards for Industrial Control and Systems.
- C. UL508 - Electric Industrial Control Equipment.
- D. IEEE 519 - Recommended Practices and Requirements for Harmonic Control in Electric Power Systems.

1.02 SUBMITTALS

- A. Waiver of Submittals: The “Waiver of Certain Submittal Requirements” in Section 013300 does not apply to this Section.
- B. Submittal Package: Submit the product data, and quality control submittals specified below at the same time as a package.
- C. Product Data:
 - 1. Motor Controllers: Catalog sheets, specifications, and installation instructions. Submit product data for motor controllers simultaneously with product data required for motors.
 - a. Identify each controller for use with corresponding motor.
 - b. Describe overload devices being supplied with each motor controller (include equipment manufacturer’s recommendations).
 - c. Enumerate and describe all accessories being supplied with each motor controller.
 - 2. All Motors:
 - a. Catalog sheets, specifications and installation instructions.
 - b. Data proving that voltage rating of each motor is in accordance with specified NEMA standard motor voltage.
 - c. Data proving that the service factor and temperature rise for the motor’s insulation system conforms to NEMA standards for each motor’s specific application.
 - d. Data proving that the motor efficiency rating conforms to NEMA testing and marking standards MG1-12.54 and 12.55.
- D. 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 MOTORS

- A. Classification:
 - 1. Classification According to Application: Comply with NEMA standards for general-purpose alternating-current squirrel-cage induction motors, except:
 - a. Furnish NEMA definite-purpose or special-purpose motors when required to suit the application.
 - b. Furnish NEMA type other than squirrel-cage construction when required to suit the application.
 - 2. Classification According to Environmental Protection and Methods of Cooling: Comply with NEMA requirements for a dripproof machine unless otherwise specified or indicated on the drawings, or required to suit the application.
- B. Efficiency: Motors shall be stamped with a NEMA nominal efficiency rating in accordance with NEMA testing and marking standards MG1-12.54 and 12.55.
- C. Motor (Nameplate) Voltage:
 - 1. 120/208 V, Three Phase, 4W, Premises Wiring Systems:
 - a. Motors Less Than 1 hp: NEMA standard motor voltage 115 V, single phase, 60 Hz.
- D. Horsepower Capacity:
 - 1. Each motor shall not be overloaded by the apparatus it operates under every condition of operation.
 - 2. The horsepower capacity shall be the continuous rating based on the nameplate horsepower rating. (The motor may not be overloaded up to the horsepower obtained by multiplying the rated horsepower by the service factor shown on the nameplate).
 - 3. Where a minimum horsepower capacity is listed, furnish a motor larger than the minimum, if required in a particular case.
- E. Speed: As required and approved to meet the requirements of the service for which motors are intended.
- F. Motor Winding Protection: Where indicated, equip motors with imbedded temperature measuring detectors in the windings (thermocouples or resistance thermometers) with control unit and accessories for direct reading of stator temperatures. Alarm shall sound and motor controller trip at temperature recommended by motor manufacturer.

2.02 MANUAL MOTOR CONTROLLERS

- A. Minimum Size: The minimum allowable size of single or three phase magnetic motor controller is NEMA size 0.
- B. Voltage Rating: To suit system voltage.

- C. Enclosures:
 - 1. NEMA Type: Unless otherwise indicated, furnish NEMA 1 enclosures.
 - 2. Material: Steel construction unless otherwise indicated.
 - 3. Type A1 Controllers Indicated To Be Flush Mounted: Furnish stainless steel face plates and galvanized steel recessed mounting boxes.
- D. Local Control Devices:
 - 1. Manual Motor Controllers:
 - a. Type A1 Controller: In addition to the on/off switch function, furnish a hand/auto switch or 3 position hand-off-auto switch mounted in the enclosure cover.
- E. Pilot Lights:
 - 1. Manual Motor Controllers: Equip controllers with pilot lights (neon) mounted in the enclosure cover.
- F. Overload Devices: Equip motor controllers with manual reset melting type (eutectic), or manual reset bi-metallic type standard trip overload devices (NEMA Class 20, trips in 20 seconds or less when carrying a current equal to 600 percent of its current rating). Exceptions:
- G. Manual Motor Controller Types:
 - 1. Type A1 (Full Voltage, Non-Magnetic Single Phase): Allen-Bradley Co.'s Bulletin 600, Cutler-Hammer Products' File B200-9101, Furnas Electric Co.'s class 10, General Electric Co.'s CR-101, Square D Co.'s Class 2510, Type F, or Westinghouse Electric Corp.'s Type MS.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install the Work of this Section in accordance with the manufacturer's printed instructions.

3.02 MOTOR CONTROLLER SCHEDULE

- A. Types of Motor Controllers Required For Single Speed Motors:
 - 1. 120/208 V, Three Phase, 4W, Premises Wiring System:
 - a. Single Phase Motors Less Than 1 hp - Automatically Operated: Type A1.

END OF SECTION