



# Office of General Services

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

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## ADDENDUM NO. 1 TO PROJECT NO. 47685

### HVAC AND ELECTRICAL WORK UPGRADE CLASSROOM HEATING & VENTILATION SYSTEM NEW YORK STATE POLICE ACADEMY STATE OFFICE BUILDING CAMPUS, BUILDING 24 ALBANY, NY

July 11, 2025

**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 232006 HYDRONIC SPECIALTIES: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 232006 – 1 thru 232006 – 2) noted “Revised 7/11/2025”.

#### HVAC WORK DRAWINGS

2. Drawing No. M-001:
  - a. ABBREVIATIONS Column, Add the following abbreviations:
    - “1. AS - 1 Air Separator  
AS Air Control Fitting”
3. Drawing No. M-501:
  - a. DETAIL 5, Change Detail Title to read:
    - “1. TYPICAL SHELL AND TUBE CONVERTER PIPING DETAIL FOR HEX-AC-2 AND HEX-AC-6”

#### END OF ADDENDUM

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

## SECTION 232006

### HYDRONIC SPECIALTIES

#### PART 1 GENERAL

##### 1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Pipe and Pipe Fittings: Section 232000.

##### 1.02 SUBMITTALS

- A. Product Data: Catalog sheets, specifications, and installation instructions for each item specified.
- B. 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 EXPANSION TANKS

- A. Type C Expansion Tank: Pre-pressurized, welded steel with heavy duty butyl rubber diaphragm, and air charging valve.
  - 1. Maximum Working Pressure: 100 psig.
  - 2. Maximum Operating Temperature: 240 degrees F.

##### 2.02 COMBINATION AIR SEPARATOR AND SYSTEM STRAINER

- A. Type: Welded steel (ASME Boiler and Pressure Vessel Code Section VIII, Division I) with the following features:
  - 1. Internal stainless steel strainer with 3/16 inch perforations and free area greater than 5 times the cross sectional area of the connecting pipe.
  - 2. Bolted and gasketed removable cover plate.
  - 3. Blowdown connection.
- B. Maximum Working Pressure: 125 psig.
- C. Maximum Operating Temperature: 375 degrees F.
- D. Automatic Float Operated Vent per Spec Section 232006 2.04 B.

##### 2.03 AIR CONTROL FITTINGS

- A. In-Line Fittings: Cast iron body.
  - 1. Maximum Working Pressure: 125 psig.
  - 2. Maximum Operating Temperature: 275 degrees F.

## **2.04 AIR VENTS**

- A. Type A: Manual Coin Operated Vent; ITT Bell and Gossett Model 4V.
  - 1. Construction: Brass.
  - 2. Maximum Working Pressure: 150 psig.
  - 3. Maximum Operating Temperature: 212 degrees F.
- B. Type B: Automatic Float Operated Vent; ITT Hoffman Model 78.
  - 1. Construction: Brass body with stainless steel ball check, and 1/8 inch safety drain connection.
  - 2. Maximum Working Pressure: 150 psig.
  - 3. Maximum Operating Temperature: 250 degrees F.

## **2.05 SUCTION DIFFUSER**

- A. Type: Angle pattern flow straightening fitting as manufactured by Bell & Gossett.
- B. Features:
  - 1. Body and Cover: Cast iron.
  - 2. Straightening Vanes: Full length, steel.
  - 3. Diffuser Strainer Orifice Cylinder: Steel with 3/16 inch perforations.
  - 4. Start Up Strainer: 16 mesh bronze.
  - 5. O-Ring Seal: EPDM.
  - 6. End Connections: Threaded or flanges as required.
  - 7. Adjustable support foot.
  - 8. Replaceable internal components.
  - 9. Maximum Working Pressure: 175 psig.

## **PART 3 EXECUTION**

### **3.01 INSTALLATION**

- A. Install the Work of this Section in accordance with the manufacturer's printed installation instructions.
- B. Install combination air separator and system strainer with Automatic Float Operated Vent. Air Vent shall be installed on the top of Air Separator using a minimum 3/4" pipe. Provide ball type shut-off in the connection pipe to allow servicing without draining the system. The vent outlet shall be piped to a drain using minimum size 1/4" copper tubing.

**END OF SECTION**