



Office of General Services

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

ADDENDUM NO. 1 TO PROJECT NO. Q2000

HVAC AND ELECTRICAL WORK
REPLACE DEAERATOR & FEED WATER SYSTEM
FINGER LAKES DDSO,
NEWARK DC WEST FALL RD
620 WESTFALL ROAD
ROCHESTER, NY

September 29, 2026

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.
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HVAC WORK SPECIFICATIONS

1. DOCUMENT 099114 EXTERIOR PAINTING (MPI STANDARDS): Add the accompanying Section (pages 099114 – 1 and 099114 – 8) to the Project Manual.

END OF ADDENDUM

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

SECTION 099114 - EXTERIOR PAINTING (MPI STANDARDS)

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Surface preparation and application of paint systems on the following exterior substrates:
 - a. Steel Piping and Steel Substrates.

B. Work under this Contract shall also include, but not necessarily be limited to:

1. Labor, materials, tools and other equipment, services and supervision required to complete all exterior painting and decorating work as indicated on Finish Schedules and to the full extent of the drawings and specifications.
2. Surface preparation of substrates as required for acceptance of paint, including cleaning, small crack repair, patching, caulking, and making good surfaces and areas to the limits defined under MPI Architectural Painting Manual Preparation requirements.
3. Specific pre-treatments noted herein or specified in the MPI Architectural Painting Manual.
4. Sealing / priming surfaces for painting in accordance with MPI Architectural Painting Manual requirements.
5. Provision of safe and adequate ventilation as required over and above temporary ventilation supplied by others, where toxic and/or volatile / flammable materials are being used.

1.2 REFERENCES

- A. Master Painters Institute Inc., MPI Architectural Painting Manual. www.specifypaint.us.

1.3 DEFINITIONS

- A. MPI Gloss Level 6 (Gloss): 70 to 85 units at 60 degrees, according to ASTM D523.

1.4 SUBMITTALS

- A. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
- B. Manufacturer's installation instructions shall be provided along with product data.
- C. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).

- D. Painting Schedule: Cross-referenced Painting Schedule listing all exterior and interior substrates to be painted and specified finish paint type designation; product name and manufacturer, recommended primers and product numbers, and finish paint color designation for each substrate to be painted.
 - 1. Designate exterior substrates by building name and number, substrate to be painted and surface location.
- E. Product Data: For each type of product.
 - 1. Include preparation requirements and application instructions.
 - 2. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
 - 3. Indicate VOC content.
 - 4. Manufacturer's standard colors in the form of actual fan decks.
- F. Samples for selection: For each type of paint system and each color and gloss of topcoat.
 - 1. Submit Samples on rigid backing, 8 inches square.
 - 2. Apply coats on Samples in steps to show each coat required for system.
 - 3. Label each coat of each Sample.
 - 4. Label each Sample for location and application area.
- G. Contractor's Qualifications: Submit documentation demonstrating compliance with requirements in Quality Assurance Article.
- H. Certification of Volatile Organic Compounds: Submit certified list demonstrating compliance requirements in Quality Assurance Article.

1.5 QUALITY ASSURANCE

- A. Volatile Organic Compounds (VOCs) Regulatory Requirements: Chapter III of Title 6 of the official compilation of Codes, Rules and Regulations of the State of New York (Title 6 NYCRR), Part 205 Architectural Surface Coatings.
 - 1. Certificate of Compliance: List of each paint product to be delivered and installed. List shall include written certification stating that each paint product listed complies with the VOC regulatory requirements in effect at the time of job site delivery and installation.
- B. Contractor shall have a minimum of five (5) years proven satisfactory experience and shall show proof before commencement of work that he will maintain a qualified crew of painters throughout the duration of the work. When requested by the Director's Representative, Contractor shall provide a list of the last three comparable repainting jobs including, name, location, specifying authority / project manager, start / completion dates and value of the work.
- C. All materials, preparation and workmanship shall conform to the standards contained in the latest edition of the Master Painters Institute (MPI) Architectural Painting Manual (herein referred to as the MPI Manual).

- D. The painting contractor shall receive written confirmation of the specific surface preparation procedures and primers used for all fabricated steel items from the fabricator / supplier to ascertain appropriate and manufacturer compatible finish coat materials to be used before painting such work.
- E. Compatibility of Paint Materials: Primers and intermediate paints shall be products manufactured or recommended by the finish paint manufacturer.

1.6 REGULATORY REQUIREMENTS

- A. Conform to work place safety regulations for storage, mixing, application and disposal of all paint related materials to requirements of those authorities having jurisdiction.
- B. To reduce the amount of contaminants entering waterways, sanitary / storm drain systems or into the ground the following procedures shall be strictly adhered to:
 - 1. Retain cleaning water for water based materials to allow sediments to be filtered out. In no case shall equipment be cleaned using free draining water.
 - 2. Retain cleaners, thinners, solvents and excess paint and place in designated containers and ensure proper disposal.
 - 3. Return solvent and oil-soaked rags used during painting operations for contaminant recovery, proper disposal, or appropriate cleaning and laundering.
 - 4. Dispose of contaminants in an approved legal manner in accordance with hazardous waste regulations.
 - 5. Empty paint cans are to be dry prior to disposal or recycling (where available).
 - 6. Close and seal tightly partly used cans of materials including sealant and adhesive containers and store protected in well ventilated fire safe area at moderate temperature.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver painting materials in sealed, original labeled containers bearing manufacturer's name, brand name, type of paint or coating and color designation, standard compliance, materials content as well as mixing and/or reducing and application requirements.
- B. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.
- C. Where toxic and/or volatile / explosive / flammable materials are being used, provide adequate fireproof storage lockers and take necessary precautions and post adequate warnings (e.g. no smoking) as required.
- D. Take necessary precautionary and safety measures to prevent fire hazards and spontaneous combustion and to protect the environment from hazard spills. Materials that constitute a fire hazard (paints, solvents, drop clothes, etc.) to be stored in suitable closed and rated containers or removed from the site on a daily basis.

- E. Comply with requirements of authorities having jurisdiction, in regard to the use, handling, storage and disposal of hazardous materials.

1.8 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.
- B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.
- C. Perform no painting work unless a minimum lighting level of 323 Lux (30-foot candles) is provided on surfaces to be repainted.
- D. Apply paint only to dry, clean, and adequately prepared surfaces in areas where dust is no longer generated by construction activities such that airborne particles will not affect the quality of finished surfaces.

1.9 MAINTENANCE MATERIALS

- A. Except as noted below, provide a minimum of 1 gallon of each type and color of paint from same production run (batch mix) used in unopened cans, properly labeled and identified. Store where directed.
 - 1. All Paint Types: One gallon, each type.

PART 2 - PRODUCTS

2.1 PAINT MATERIALS, GENERAL

- A. MPI Standards: Provide products complying with MPI standards indicated and listed in its "MPI Approved Products List."
- B. Material Compatibility:
 - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, provide products recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
- C. Mechanical Components Colors: Provide paint colors to be selected by the Director from finish paint manufacturers available color selections.
 - 1. Approved finish paint manufacturers to match designated colors of other manufacturers where colors are shown on contract documents.
 - 2. Safety Colors: Industry Standard ANSI Safety Colors.

3. Do not paint equipment with factory finish paint.
4. Color Coding: Apply exposed uninsulated piping and steel substrate finish paints on exterior exposed piping and steel substrates. The color shall be coordinated / selected by the Director's Representative.

2.2 PAINT MATERIAL MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 1. Benjamin Moore & Co.
 2. Carboline.
 3. Cloverdale Paint.
 4. PPG Architectural.
 5. Sherwin-Williams.
 6. Or equal.
- B. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to products listed in the Exterior Painting Schedule for the paint category indicated.
- C. Source Limitations: Obtain paint from single source from single manufacturer.

2.3 PAINT MATERIALS

- A. Metal Primers:
 1. Type ESP-EP2: Primer, Epoxy, Anti-Corrosive, for Metal MPI #101. Provide one of the following:
 - a. Benjamin Moore & Co.: Corotech Surface Tolerant Epoxy Mastic Coating.
 - b. PPG Architectural: Protective and Marine Coatings Amercoat 235.
 - c. Sherwin-Williams: Protective & Marine
 - d. Or equal.
- B. Epoxy Coatings:
 1. Type EP: Epoxy, Gloss: MPI #77.
 - a. Cloverdale Paint: ClovaCoat 300.
 - b. Sherwin-Williams: Protective & Marine Tile-Clad HS Epoxy.
 - c. Or equal.
- C. Polyurethane Coatings:
 1. Paint Type AU: Polyurethane, Two-Component, Pigmented, Gloss (Gloss Level 6) MPI #72. Provide one of the following:
 - a. Benjamin Moore & Co.: Corotech Aliphatic Acrylic Urethane Gloss.

- b. PPG Architectural: Protective & Marine Coatings Pitthane Ultra Gloss 95-812 Series.
- c. Sherwin-Williams: Protective & Marine Acrolon 218 HS.
- d. Or equal.

PART 3 - EXECUTION

3.1 PROTECTION

- A. Comply with each manufacturer's written instructions for protecting building and other surfaces against damage from exposure to its products. Prevent chemical solutions from coming into contact with people, motor vehicles, landscaping, buildings, and other surfaces that could be harmed by such contact.
 - 1. Cover adjacent surfaces with materials that are proven to resist coatings being used. Use protective materials that are UV resistant and waterproof. Apply masking agents to comply with manufacturer's written instructions. Do not apply liquid masking agent to painted or porous surfaces. When no longer needed, promptly remove masking to prevent adhesive staining.

3.2 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- C. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

3.3 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Steel Piping and Steel Substrates: Remove rust, loose mill scale, and shop primer if any. Clean using methods recommended in writing by paint manufacturer.
- E. Shop-Primed Steel Piping and Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

3.4 INSTALLATION

- A. Apply paints in accordance with manufacturer's written instructions and recommendations in "MPI Manual."
 1. Use applicators and techniques suited for paint and substrate indicated.
 2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
 3. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
 4. Primers specified in the Exterior Painting Schedule may be omitted on items that are factory primed or factory finished if compatible with intermediate and topcoat coatings and acceptable to intermediate and topcoat paint manufacturers.
- B. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- C. Painting Steel Piping and Steel Substrates:
 1. Paint the following work where exposed to view:
 - a. Uninsulated metal piping.
 - b. Sheet Metal.

3.5 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: The Director's Representative may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
 1. Contractor shall touch up and restore painted surfaces damaged by testing.
 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written instructions, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written instructions.

3.6 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
 - 1. Do not clean equipment with free-draining water and prevent solvents, thinners, cleaners, and other contaminants from entering into waterways, sanitary and storm drain systems, and ground.
 - 2. Dispose of contaminants in accordance with requirements of authorities having jurisdiction.
 - 3. Allow empty paint cans to dry before disposal.
 - 4. Collect waste paint by type and deliver to recycling or collection facility.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Director's Representative, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.7 SURFACES, GENERAL

- A. Surfaces: Unless otherwise specified or shown on the drawings, paint surfaces as follows:
 - 1. Unless otherwise noted, paint exterior exposed piping and metal substrates.

3.8 EXTERIOR PAINTING SCHEDULE

- A. Steel Piping and Steel Substrates: Boiler Safety Valve Discharge and Deaerator Vents.
 - 1. Polyurethane, Pigmented over Epoxy System MPI EXT 5.1.H:
 - a. Primer, Epoxy, Anti-Corrosive, for Metal MPI #101. Type ESP-EP2.
 - b. Intermediate Coat: Type EP: Epoxy, Gloss: MPI #77.
 - c. Topcoat: Polyurethane, Two-Component, Pigmented, Gloss (Gloss Level 6) MPI #72. Type AU.

END OF SECTION 099114