



# Office of General Services

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

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## ADDENDUM NO. 3 TO PROJECT NO. 47557

### CONSTRUCTION AND ELECTRICAL WORK REHABILITATE ENTRANCE CANOPY TEN EYCK OFFICE BUILDING 40 NORTH PEARL STREET ALBANY, NY

May 23, 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.

#### GENERAL REQUIREMENTS – COMMON

1. SECTION 015000 CONSTRUCTION FACILITIES & TEMPORARY CONTROLS: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 015000 – 1 thru 015000 – 7) noted “ADDENDUM NO. 3, 5/19/2025”.

#### CONSTRUCTION WORK SPECIFICATIONS

2. SECTION 030131 CONCRETE REHABILITATION: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 030131 – 1 thru 030131 – 3), noted “ADDENDUM NO. 3, 5/19/2025”.
3. SECTION 055000 METAL FABRICATIONS: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 055000 – 1 thru 055000 – 7), noted “ADDENDUM NO. 3, 5/19/2025”.
4. SECTION 099101 CONSTRUCTION PAINTING: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 099101 – 1 thru 099101 – 5), noted “ADDENDUM NO. 3, 5/19/2025”.

#### CONSTRUCTION WORK DRAWINGS

5. Revised Drawing:
  - a. Drawing No. A-001 noted “ADDENDUM NO. 3, 5/19/2025” accompanies this addendum and supersedes the same numbered drawing previously issued.

#### END OF ADDENDUM

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

**SECTION 015000**

**CONSTRUCTION FACILITIES & TEMPORARY CONTROLS**

**PART 1 GENERAL**

**1.01 DESCRIPTION**

- A. Provide the construction facilities and temporary controls necessary for the Work, unless otherwise indicated.
  - 1. The construction facilities and temporary controls specified to be provided by a particular Contract shall be kept operational by that Contractor for the Work of all related Contracts at all times Work is being performed by a Contractor.
  - 2. The construction facilities and temporary controls specified to be provided by a particular Contractor shall be installed as soon after award of the Contract as necessary to enable the Work of each Contract to proceed on schedule, and maintained until completion of the Work of all related contracts unless otherwise directed in writing.
  - 3. Any Contractor who requires additions to the construction facilities and temporary controls specified to be provided by another Contractor, shall provide and maintain them.

**1.02 TEMPORARY LIGHT AND POWER**

- A. Electrical energy for temporary light and power will be made available without charge.
- B. Extent of Temporary Wiring: Contractors may ascertain the extent of the temporary wiring provided under the Electrical Work Contract by examining the Electrical Drawings.
- C. Electrical Work Contract:
  - 1. Provide wiring and other equipment within the building for temporary light and power.
    - a. Wiring for temporary light and single-phase power shall, in general, consist of 3 wire, 120/240 volt or 4 wire, 120/208 volt feeders, with branch circuits of #12 conductors minimum.
      - 1) Install branch circuits with suitable LED fixtures or incandescent lampholders for temporary lighting as required to maintain a minimum of 10 foot candles in the work areas. Equip fixtures and lampholders with guards. Fixtures and lampholders installed in damp or wet locations shall be of the weatherproof type.
      - 2) Install branch circuits with fused grounding type receptacle outlets for single phase power (for power tools, etc.).
  - 2. Provide lamps and fuses including replacements required.

- D. All Contracts:
1. Any Contractor requiring additional lighting shall provide additional LED fixtures or incandescent lampholders (with lamps), but in no case shall the load on any branch circuit or feeder exceed its rated capacity.
  2. Install materials for temporary light and power in conformance with the National Electrical Code.
  3. Materials for temporary light and power need not be new if they are in satisfactory operating condition.
  4. Provide ground-fault protection for personnel (such as portable plug-in type ground-fault circuit-interrupters) on single phase 15 and 20 ampere receptacle outlets which are in use.
  5. Receptacle outlets, portable cord connectors and attachment plugs shall have standard NEMA configurations.
  6. As the progress of the Work allows, and as approved, completed portions of the permanent wiring and electrical service may be utilized for temporary light and power.

**1.03 TEMPORARY WATER**

- A. Water will be made available for the Work without charge at source or sources directed within the limits of the existing supply and usage.
- B. All Contracts: Prevent waste of water.

**1.04 TEMPORARY TOILETS**

- A. Construction Work Contract: Provide toilet facilities for Contractor’s and subcontractors employees engaged on the Project, including employees of other contractors. Locate toilets where directed, and maintain them in a sanitary condition.

NUMBER OF EMPLOYEES	MINIMUM NUMBER OF FACILITIES
20 or less	1 toilet
20 or more	1 toilet and 1 urinal per 40 employees
200 or more	1 toilet and 1 urinal per 50 employees

\*Toilet/Urinal Combinations shall count as only one facility.

1. Where water and sewer connections are available, provide water closets, otherwise provide approved chemical or electric toilets.
2. Inside buildings, locate toilet facilities no more than 4 stories or 60 feet above or below, nor more than 500 feet travel on the same level from the work location of any person.
3. Locate toilet facilities no more than 1000 feet from any work location.
  - a. Exception: Mobile crews having readily available transportation to nearby toilet facilities.

**1.05 PROTECTION OF WORK AND EXISTING PROPERTY**

- A. Protect installed Work and existing property during performance of the Work.

- B. Maintain the building in a watertight condition during performance of the Work.
- C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.
- D. Provide protective coverings at wall projections, jambs, sills, and soffit of openings.
- E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, and movement of heavy objects by covering them with durable sheet materials.
- F. Protect smoke detectors from airborne dust and debris.
  - 1. At the beginning of each work day, provide protective coverings over smoke detectors in areas where airborne dust and debris will be generated by the Work.
  - 2. At the end of the work day, clean the areas in which the smoke detectors are located by whatever means necessary to assure that airborne dust and debris will not contaminate the smoke detectors, then remove protective coverings.
  - 3. Provide signs, instructions and alternate methods for reporting a fire during the periods that the smoke detectors are covered.
  - 4. Notify the Director's Representative and have procedures approved.
- G. Prohibit traffic or storage upon waterproofed and roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.
- H. Protect existing trees and plants during performance of the Work unless otherwise indicated. Box trees and plants within the grading limit lines. Do not deposit excavated materials or store building materials around trees or plants. Do not attach guy wires to trees.
- I. Prohibit traffic from landscaped areas.
- J. Cleaning tools of cementitious and other insoluble materials:
  - 1. Do not wash tools in sinks or other sanitary drainage systems. Protect all drainage systems from debris that can clog or damage piping and fixtures.
  - 2. Take all precautions necessary to prevent cementitious and other insoluble materials from flowing into floor drains.
  - 3. Dispose of excess cementitious and other insoluble debris with the other rubbish.

## **1.06 BARRIERS AND ENCLOSURES**

- A. All Contracts: Provide barriers during performance of the Work to:
  - 1. Prevent unauthorized entry to work areas.
  - 2. Allow for State's occupancy of Site.
  - 3. Protect existing facilities and adjacent properties from damage.
  - 4. Protect vehicular and pedestrian traffic.

- B. Construction Work Contract:
  - 1. Scaffolding, Hoist, and Equipment Barriers: Provide temporary fence enclosures as required to prevent unauthorized persons from coming in contact with ground supported scaffolding, hoists, and equipment.

## **1.07 TEMPORARY FENCE ENCLOSURE**

- A. Construction Work Contract:
  - 1. Barrier Design (refer to NYS Building Code Chapter 3306.6)
    - a. Barriers shall be not less than 8 feet in height (unless noted otherwise) and shall be placed on the side of the walkway nearest the construction, barriers shall extend the entire length of the construction site. Openings in such barriers shall be protected by doors that are normally kept closed.
    - b. Barriers shall be provided with 2-inch by 4-inch top and bottom plates.
    - c. The barrier material shall be boards not less than 3/4-inch thick or wood structural panels not less than 1/2-inch thick.
    - d. Wood Structural use panels shall be bonded with an adhesive identical to that for exterior structural use panels for exterior use panels.
    - e. Space studs not more than 4 feet on center with horizontal 2X4 stiffener place horizontally at mid-height where studs are place greater than 2 feet o.c.
  - 2. Covered Walkways (refer to NYS Building Code Chapter 3306.7)
    - a. Covered walkways shall have a clear height of not less than 8 feet as measured from the floor surface to the canopy overhead. Adequate lighting shall be provided at all times. Covered walkways shall be designed to support all imposed loads.
    - b. Footings shall be continuous 2 inches x 6 inches members.
    - c. Posts not less than 4 inches by 6 inches shall be provided on both sides of the roof and spaced not more than 12 feet on center.
    - d. Stringers not less than 2 inches by 12 inches shall be place on edge upon the posts.
    - e. Joists resting on the stringers shall be not less 2 inches by 8 inches spaces not more than 2 feet on center.
    - f. The deck shall be planks not less than 2 inches thick or structural panels with an exterior exposure durability classification not less than 23/32 inch thick nailed to joists.
    - g. Each post shall be knee braced to joists and stringers by members not less than 2 inches by 4 inches; 4 feet in length.
    - h. A curb that is not less than 2 inches by 4 inches shall be set on edge along the outside edge of the deck.
  - 3. Gates: Provide access gates for passage of employees and materials, complete with padlock. Furnish the Director's Representative with 2 keys per gate.
  - 4. Maintain the temporary fence enclosure throughout the life of the Contract, or until directed to be removed. Replace all items or portions of fence enclosure damaged or destroyed.

## 1.08 WATER CONTROLS

- A. Provide and maintain pumping equipment necessary to keep the work areas free from water. Discharge water into existing storm drainage systems or otherwise disperse as directed.

## 1.09 FIRE PREVENTION

- A. Take precautions necessary to prevent fires.
- B. Fuel for cutting and heating torches shall be acetylene or LP-gas only, and shall be contained in Underwriters Laboratory or Federal Department of Transportation approved containers.
- C. Furnish and maintain a currently inspected 20 pound capacity multi-class A:B:C fire extinguisher in the immediate vicinity where welding tools or torches are in use.
- D. Furnish and maintain a currently inspected fire extinguisher of the appropriate class and size whenever the temporary storage of materials changes that areas classification of fire load or life safety.
- E. Do not use flammable liquids, other than those specified, within a building without the written approval from the Director's Representative.
- F. Tarpaulins shall be flameproof and shall be securely anchored when attached to scaffolding or when used to enclose any portion of a building.
- G. If required by the nature of the work and facility regulations, the Contractor shall obtain from the facility and pay all costs associated with "Hot Work Permits" including fire watches to execute the work of its contract. Perform hot work in accordance with the Fire Code of New York State and the Hot Work Program approved for the work. Prior to, during and after performing hot work, inspect the hot work area for compliance with the requirements of the permitted Hot Work Program.
  - 1. Post signage "Caution: Hot Work In Progress - Stay Clear" in conspicuous locations warning others before they enter a hot work area where the area is accessible to persons other than the operator of the hot work equipment.
  - 2. See applicable facility permits and conditions bound in the Appendix.

## 1.10 TEMPORARY FIRE PROTECTION

- A. If the existing building is to be partially occupied during the course of the project, all existing exits, fire walls, fire barriers and fire protection systems shall be continuously maintained in the occupied phases in compliance with the Fire Code of New York State. Comply with NFPA 241 for items not specifically addressed in the Fire Code of New York State.

- B. Those portions occupied by the facility must be available for their use 24 hours a day, seven days a week during the contract period unless otherwise scheduled in these documents.
- C. Prior to removal of existing fire walls, fire barriers and fire protection systems, if such removal is part of the work, install equivalent temporary fire walls, fire barriers and fire protection systems as defined in these documents and as approved by the Director's Representative and/or the facilities representative.
- D. The cost of all labor, fire watches, variances, materials, installations, maintenance and removal of such temporary fire protection systems or modifications to the existing systems are the responsibility of the Contractor. Install permanent fire walls, fire barriers and fire protection systems, if provided as part of the work, as soon as practical.

#### **1.11 ACCESS ROADS**

- A. Routes of ingress and egress on the premises to the location of the Work shall be as directed.
- B. Keep designated access roads clear of dirt and debris resulting from the Work.
- C. Provide means of removing mud from vehicle wheels before entering paved roads.

#### **1.12 PARKING**

- A. No parking will be allowed at the Site, except for vehicles delivering material and equipment while they are being unloaded.

#### **1.13 RUBBISH REMOVAL**

- A. Clean up and containerize the rubbish (refuse, debris, waste materials, and removed materials and equipment) resulting from the Work at least once a day and more often if the rubbish interferes with the work of others or presents a hazard. Leave work areas broom clean, except where more stringent cleaning is specified, at the end of each day. Locate containerized rubbish on the Site where directed.
- B. Remove rubbish from State property at least once a week and more often if the rubbish presents a hazard. Properly dispose of rubbish.
- C. Burning of rubbish will not be permitted.

#### **1.14 RELOCATION AND REMOVALS**

- A. Should a change in location of any construction facilities and temporary controls be necessary in order to progress the Work properly, remove and relocate such items as directed.
  - 1. Electrical Work Contract: Frequently relocate/revise the temporary lighting as Contractors progress the Work of their contracts causing

changes to the condition of the building (installation or relocation of walls, partitions, ceilings, equipment, etc.). Keep pace with the changes and maintain a minimum of 10 foot candles in each recomposed work area.

- B. Remove the construction facilities and temporary controls when they are no longer required. Restore permanent facilities used for or connected to temporary facilities to their original condition or better.

**PART 2 PRODUCTS (Not Used)**

**PART 3 EXECUTION (Not Used)**

**END OF SECTION**

**SECTION 030131**  
**CONCRETE REHABILITATION**

**PART 1 GENERAL**

**1.01 RELATED WORK SPECIFIED ELSEWHERE**

- A. Construction Painting: Section 099101.

**1.02 REFERENCES**

- A. Except as shown or specified, the Work of this Section shall conform to the requirements of International Concrete Repair Institute (ICRI), 3166 S. River Rd., Suite 132, Des Plaines, IL 60018, (847) 827-0830, [www.icri.org](http://www.icri.org).
  - 1. ICRI Guideline No. 310.1R-2008 Guide for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion (formerly Guideline No. 03730).

**1.03 SUBMITTALS**

- A. Product Data: Manufacturer's specifications and installation instructions for factory packaged products.

**1.04 QUALITY ASSURANCE**

- A. Field Examples: Prior to performing the Work of this Section, prepare a sample panel, or a portion of existing concrete which is to be repaired, to represent each type of rehabilitation work required. Approved samples will be used as quality standards for the Work. Maintain approved samples at the site until the Work is completed.
- B. Material Container Labels: Material containers shall bear the manufacturer's label indicating manufacturer's name, trade name of product, lot number, shelf life of product, and mix ratio (if applicable).

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials to the site in original, sealed containers. Do not deliver materials that have exceeded shelf life limitation set forth by the manufacturer.
- B. Comply with manufacturer's printed instructions for storing and handling materials.

**1.06 PROJECT CONDITIONS**

- A. Environmental Requirements: Comply with the product manufacturer's printed limitations and instructions.

## **PART 2 PRODUCTS**

### **2.01 COMPANIES**

- A. Master Builders/ BASF Building Systems, 889 Valley Park Dr., Shakopee, MN 55379, (800) 433-9517, [www.buildingsystems.basf.com](http://www.buildingsystems.basf.com).
- B. Sika Corporation, 201 Polito Ave., Lyndhurst, NJ 07071, (800) 933-7452, [www.sikausa.com](http://www.sikausa.com).
- C. Conproco Corp., 17 Production Dr., Dover, NH 03820, (800) 258-3500, [www.conproco.com](http://www.conproco.com).
- D. The Euclid Chemical Company, 19218 Redwood Rd., Cleveland, OH 44110-2799, (800) 321-7628, [www.euclidchemical.com](http://www.euclidchemical.com).
- E. Kaufman Products, Inc., 3811 Curtis Ave., Baltimore, MD 21226, (800) 637-6372, [www.kaufmanproducts.net](http://www.kaufmanproducts.net).

### **2.02 MATERIALS**

- A. The following brand names are specified to establish product generic type and standard of quality. Other comparable products in the manufacturer's same product series may be required to closely fit the particular job conditions. Use appropriate product for depth of patch and temperature at time of application. More than one product may be required for a particular type of patching mortar. When a color choice is available, select the color to match adjoining concrete as closely as practicable. A bonding agent/primer and/or sealer shall be used as recommended by the patching mortar manufacturer.
- B. Rapid-hardening Cementitious Patching Mortar:
  - 1. Type R-1 Patching Mortar: "MasterEmaco T1060" by BASF; or SikaQuick 2500 by Sika Corp; or "Express Set" by Conproco Corp.; or "SikaSet Roadway Patch; or "Duracrete II FT" by Kaufman Products Inc.; or "EuroSpeed" by Euclid Chemicals.
- C. Concrete and Bonding Agent (for concrete):
  - 1. "Sika Armatec 1C" by Sika Corp; or "Duralprep AC" by Euclid Chemicals.

## **PART 3 EXECUTION**

### **3.01 PREPARATION**

- A. Protection: Cover or otherwise protect adjacent surfaces not being repaired.
- B. Surface Preparation:
  - 1. Prepare surfaces to be repaired in accordance with the product manufacturer's printed instructions and as specified.
  - 2. Cut out and remove cracked, spalled, and disintegrated concrete. Cut back to sound concrete. Cut edges of patch perpendicular to surface of

- patch, unless otherwise recommended by mortar manufacturer. If steel reinforcing bars are exposed, chip concrete out from behind exposed length of bars as required for a minimum clearance around circumference of bar of 3/4 inch. In addition, cut a minimum one inch length of sound concrete away from each end of exposed length of reinforcing bars.
3. Clean exposed steel reinforcement by oil-free abrasive blasting or high-pressure water blasting; remove bits of concrete and loose rust. If reinforcement is bowed out toward surface of the concrete, bend reinforcement back from surface.
  4. Remove paint, oils, grease, dirt, salt deposits, laitance and other contaminants from surfaces to be patched. Use cleaning agent where required.
  5. Clean areas to be patched with oil-free air or water under pressure, except as otherwise recommended by the mortar manufacturer.

### **3.02 PATCHING CONCRETE**

- A. Patch concrete as soon as possible after completion of surface preparation.
- B. Mixing Patching Mortar: Comply with mortar manufacturer's printed instructions. Proportion components and sizes of aggregate as recommended by mortar manufacturer for the particular job conditions.
- C. Patch concrete in accordance with the product manufacturer's printed instructions.
  1. Coat contact surfaces of existing concrete and steel reinforcing with a bonding agent/primer as recommended in the product manufacturer's instructions.
- D. Bring patches out to the original surfaces in true planes. Finish patches to match texture of adjoining concrete as close as possible.
- E. Cure patches in accordance with the product manufacturer's printed instructions.

### **3.03 CLEANING**

- A. Clean up spatters and droppings.

### **3.04 PROTECTION**

- A. Protect mortar after placement in accordance with the product manufacturer's printed instructions.

**END OF SECTION**

## SECTION 055000

### METAL FABRICATIONS

#### PART 1 GENERAL

##### 1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Aluminum-Framed Skylights: Section 086300.
- B. Glass and Glazing: Section 088100.
- C. Construction Paint: Section 099101.

##### 1.02 SUMMARY

- A. This Section includes Architecturally exposed structural steel (AESS).
- B. Delegated Design: The tubular steel structure supporting the aluminum framed skylight system indicated is conceptual and represent minimum standards expected from the steel designer-fabricator. The designer-fabricator shall be responsible for designing the tubular steel support structure, its welded connections and its attachments to the existing steel structure. The tubular steel support structure, its welded connections and its attachments to the existing steel structure shall resist a positive and negative load of 75 PSF acting normal to the plane while complying with indicated requirements, materials, and performance standards.

##### 1.03 REFERENCES

- A. Standards:  
Except where more stringent requirements are specified herein, comply with the applicable provisions and recommendations of the following (latest edition):
  1. AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings".
  2. AISC "Architecturally Exposed Structural Steel".
  3. AISC "Specifications for Structural Joints Using ASTM A325 or A490 Bolts".
  4. AWS D1.1 "Structural Welding Code".
  5. SSPC "Steel Structures Painting Manual, Volume 2, Systems and Specifications".
  6. ANSI/AWS A533-9X, Specification for Alloy Wires, Cored Wire and Ceramic Rods for Thermal Spraying, American Welding Society.
  7. ANSI/AWS C2.18.93, Guide for the Protection of Steel with Thermal Spraying Coating of Aluminum and Zinc, American Welding Society.
  8. ASTM C633, Standard Test Method for Adhesion or Cohesive Strength for Flame Sprayed Coatings, American Society for Testing and Materials.
  9. SSPC-CS Guide 23.00, June 1, 1991, Coating System Guide for Thermal Spray Metallic Coating Systems, Steel Structures Painting Council.

- B. Organizations:
1. AISC: American Institute of Steel Construction, One East Wacker Dr., Suite 700, Chicago, IL 60601-1802, 866-275-2472, [www.aisc.org](http://www.aisc.org).
  2. AWS: American Welding Society, 550 N.W. LeJeune Rd., Miami, FL 33126, (800) 443-9353, [www.aws.org](http://www.aws.org).
  3. ANSI: American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, (202) 293-8020, [www.ansi.org](http://www.ansi.org).
  4. ASTM: ASTM International, 100 Barr Harbor Dr., PO Box C700, West Conshohocken, PA, 19428-2959, (610) 832-9500, [www.astm.org](http://www.astm.org).
  5. SSPC: The Society for Protective Coatings, 40 24th Street, 6th Floor, Pittsburgh PA 15222-4656, (877) 281-7772, [www.sspc.org](http://www.sspc.org).

#### 1.04 SUBMITTALS

- A. Submit an Environmental Product Declaration (EPD) from the manufacturer for steel within this specification section, if available. A statement of the contractor's good faith effort to obtain the EPD shall be provided if not available.
1. Manufacturer-provided EPDs must be Product Specific Type III (Third-Party Reviewed), in adherence with ISO 14025 *Environmental labels and declarations*, ISO 14044 *Environmental management – Life cycle assessment*, and ISO 21930 *Core rules for environmental product declarations of construction products and services*.
- B. Shop Drawings: Submit shop and erection drawings for all structural steel components showing the following:
1. Types of materials, including sizes and weights of members.
  2. Location, types, and details of connections.
  3. Welding sequences as required by "Structural Welding Code".
  4. Cleaning and painting schedules.
  5. Fabrication and erection procedure where needed to control shrinkage, fabrication tolerances, or to ensure proper inspection.
- C. Reports:
1. Submit certified copies of mill test reports for all steel furnished. Perform mechanical and chemical tests for all material regardless of thickness or use. No part of the ASTM Specifications will be waived without written consent of the Architect.
  2. Submit copies of prequalified and other welding procedures in form prescribed in "Structural Welding Code".
- D. Samples: Submit samples of each:
1. Typical welded connection.
  2. Typical nut and bolt connection.
  3. Paint sample painted on welded steel components.
- E. Delegated-Design Submittal: Submit structural calculations for the tubular steel structural support system indicated demonstrating compliance with specified loads and performance requirements, including design criteria, analysis data

signed and sealed by the qualified professional structural engineer licensed in the State of New York.

#### **1.05 QUALITY ASSURANCE**

- A. Galvanizing: Stamp galvanized items with galvanizer's name, weight of coating, and applicable ASTM number.
- B. Certificates:
  - 1. Affidavit by the structural steel manufacturer certifying that structural steel items meet the contract requirements.
    - a. Submit evidence of steel material compliance with this Specification. Evidence shall consist of certification of source of material, copies of purchase orders and manufacturer's certifications. For stock material, submit copies of latest mill or purchase orders for material replacement.
  - 2. The Contractor agrees, that if the value of this contract exceeds \$100,000 all structural steel, reinforcing steel and other major steel items to be incorporated in the Work of this Contract shall be produced and made in whole or substantial part in the United States, its territories or possessions.
- C. Mockups: Build mockups of AESS to set quality standards for fabrication and installation as indicated.
  - 1. Build mockup of typical portion at the intersection of purlin and rafter: 2 ft long steel rafter by 2 ft long steel purlin, supported by four steel tubes.
  - 2. Coordinate painting requirements with Section 099101 Construction Painting.

#### **1.06 DELIVERY AND STORAGE**

- A. Use special care in handling AESS to prevent twisting, warping, nicking, and other damage during fabrication, delivery, and erection. Store materials to permit easy access for inspection and identification. Keep AESS members off ground and spaced by using pallets, dunnage, or other supports and spacers. Protect AESS members and packaged materials from corrosion and deterioration.
  - 1. Do not store AESS materials on structure in a manner that might cause distortion, damage, or overload to members or supporting structures. Repair or replace damaged materials or structures as directed.

#### **1.07 FIELD CONDITIONS**

- A. Field Measurements: Where AESS is indicated to fit against other construction, verify actual dimensions by field measurements before fabrication.

## **PART 2 PRODUCTS**

### **2.01 PERFORMANCE REQUIREMENTS**

- A. Comply with requirements of ANSI/AISC 303, Sections 1 through 9 and as modified in Section 10, "Architecturally Exposed Structural Steel."
- B. Steel members:
  - 1. Steel tube purlin: 3" by 7", 3/8" thick.
  - 2. Steel tube rafter: 3 1/2" by 10", 3/8" thick.
- C. Deflection:
  - 1. Purlins: permitted deflection shall not exceed 1/4" in 8'-3" under full specified load of 75 PSF positive and negative acting perpendicular to the purlin.
  - 2. Rafters: permitted deflection shall not exceed 5/8" in 19 feet under full specified load of 75 PSF positive and negative acting perpendicular to the rafter.
- D. Provisions for thermal expansion of rafters shall be made at the upper ends of the rafters by the use of slotted holes in the rafter tubes. The slots shall be in alignment with the slope of the rafters.

### **2.02 FABRICATION**

- A. Shop fabricate and assemble AESS to the maximum extent possible. Locate field joints at concealed locations if possible. Detail assemblies to minimize handling and to expedite erection.
  - 1. Use special care handling and fabricating AESS before and after shop painting to minimize damage to shop finish.
- B. Fabricate to allow for thermal movement of materials when subjected to a temperature differential from -30 degrees F to +180 degrees F.

### **2.03 GALVANIZING**

- A. Hot-Dip Galvanized Finish: Apply zinc coating by the hot-dip process to structural steel according to ASTM A123/A123M.
  - 1. Do not quench or apply post-galvanizing treatments that might interfere with paint adhesion.

### **2.04 CONNECTION MATERIAL**

- A. Fasteners: Except where shown or specified, select fasteners of type, size, style, grade, and class required for secure installation of metal fabrications. For exterior use, fasteners shall be galvanized.
- B. All connection materials shall comply as follows:
  - Angles/Plates: ASTM A36
  - Bolts: ASTM A325, Snug-tight method
  - Nuts: ASTM A563 DH

Washers: ASTM F436  
Welding Electrodes: E7018 Low Hydrogen

## 2.05 TOLERANCES

- A. Erection Tolerances
1. Top of steel rafters:
    - a.  $\pm 1/4$ " in 19 ft, i.e., the full length of steel rafters.
    - b.  $\pm 1/4$ " in 110'-3" across the length for all rafters.
  2. Top of steel purlins:
    - a.  $\pm 1/8$ " in each purlin length.
    - b.  $\pm 1/4$ " cumulative in 110'-3", i.e., the full length of all steel purlins.
- B. Fabrication tolerances shall be as follows:
1. Rolled Shapes: Permissible tolerances for out-of-square or out-of-parallel depth, width and symmetry of rolled shapes shall be as specified in ASTM Specification A6. Match abutting cross-sectional configurations. The as-fabricated straightness tolerances of members shall be one-half of the standard camber and sweep tolerances in ASTM A6.
  2. Built-Up Members: The tolerances on overall profile dimensions of members made up from a series of plates, bars and shapes by welding are limited to the accumulation of permissible tolerances of the component parts as provided by ASTM Specification A6. The as fabricated straightness tolerances for the member as a whole shall be one-half the standard camber and sweep tolerances for rolled shapes in ASTM A6.
  3. Weld Show-Through: It is recognized that the degree of weld show-through, which is any visual indication of the presence of a weld or welds on the side away from the viewer, is a function of weld size and material thickness. The members or components will be acceptable as produced for non-visible conditions, welds exposed to view shall have no show-through.
  4. Joints: All copes, miters and butt cuts in surfaces exposed to view shall be closed, no open joints permitted.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify, with steel erector present, elevations of existing structure surfaces.
- B. Examine AESS for twists, kinks, warping, gouges, and other imperfections before erecting.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 PREPARATION

- A. Provide temporary shores, guys, braces, and other supports during erection to keep AESS secure, plumb, and in alignment against temporary construction loads

and loads equal in intensity to design loads. Remove temporary supports when permanent structural steel, connections, and bracing are in place unless otherwise indicated.

### **3.03 ERECTION**

- A. Tops of rafters and purlins shall be ground smooth and be flush at the intersection.
- B. Check the alignment and elevations of all column supports and location of all anchor bolts with transit and level instruments before starting erection. Notify Architect of any errors. Obtain Architect's approval of methods proposed for correcting errors prior to proceeding with corrections and erection.
- C. Drift Pins may be used only to align the several parts. They shall not be used in such manner as to distort or damage the metal.
- E. Field oxygen cutting of structural steel for "fitting—up" purposes shall not be allowed.
- F. Make all necessary provisions for temporary bracing and for completion of erection.

### **3.04 REPAIR**

- A. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas, and touchup galvanizing to comply with ASTM A780/A780M.
- B. Touchup Paint: Prepare touchup surfaces and all welded areas.

### **3.05 TOLERANCES**

- A. Dimensions shown on Drawings are based on an assumed design temperature of 70 degrees F. Fabrication and erection procedures shall take into account the ambient temperature range at the time of the respective operations.

### **3.06 FIELD AND SHOP QUALITY CONTROL**

- A. Testing and inspection of structural steel will be performed by a testing agency retained by the Owner. Provide the testing agency with the following:
  - 1. A complete set of accepted documents required under Paragraph "Submittals".
  - 2. Cutting lists, order sheets, material bills, and shipping bills.
  - 3. Information as to time and place of all rollings and shipment of material top shops.
  - 4. Representative sample pieces as requested by the testing agency.
  - 5. Full and ample means and assistance for testing all material.
  - 6. Proper facilities, including scaffolding, temporary work platforms, etc., for inspection of the work in the mills, shop and field.

- B. Each person installing connections shall be assigned an identifying symbol or mark and all shop and field connections shall be so identified so that the Inspector can refer back to the person making the connection. Welders must be AWS; copies of such shall be provided to the Testing Agency.
- C. The Inspector will perform his duties, when possible, in such a way that fabrication and erection are not unnecessarily delayed or impeded, and as follows:
1. The Inspector shall make all tests and inspections as required by prevailing Codes and Ordinances. The Inspector shall make all the tests and inspections as may be indicated on the Structural Drawings.
  2. The Inspector will make all tests and inspections as required by "Structural Welding Code".
  3. The technique for radiographic inspection will be in accordance with Section 6, Part B of the "Structural Welding Code". A double film technique will be used. One copy of each film will be sent to the Architect, the other will be retained by the Inspector.
  4. Ultrasonic inspection will be performed in accordance with Section 6, Part C of the "Structural Welding Code".
  5. Shop welds will be inspected in the shop before the work is painted or approved for shipment.
  6. The Inspector will make all tests and inspections of high strength bolt connections as required by AISC "Specifications for Structural Joints Using ASTM A325 or A490 Bolts".
  7. Where inspection reveals defects, the extent of inspection will be increased as much as necessary to assure that the full extent of the defects in a joint has been found and to assure that the same defects are not present on similar parts or under similar circumstances.
  8. Work that is not acceptable will be designated by "Repair" or "Reject", as applicable.
  9. The Inspector will maintain a daily record of the work he has inspected and its disposition. One copy of each of the reports will be submitted to the Architect on a weekly basis.
    - a. Welding reports of tests will be made in form prescribed in the "Structural Welding Code".

**END OF SECTION**

**SECTION 099101**  
**CONSTRUCTION PAINTING**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. This Section includes coatings on existing steel beams and columns and new galvanized steel tube slope-glazing support structure and any other galvanized steel components.

**1.02 SUBMITTALS**

- A. Product Data Sheets: For each product specified in Part 2 - Products.
- B. Finish Paint Type Samples: Two finish paint samples applied over recommended primers for each substrate to be painted.
  - 1. Samples shall be in the colors selected by the Director's Representative.
  - 2. Label each sample with the following information:
    - a. Project number and Painting Schedule designation describing substrates and locations represented by the sample.
    - b. Finish paint and primer manufacturer, product names and numbers, finish paint color and reflectance.
  - 3. Samples:
    - a. Sheet Metals: 4 inch by 12 inch flat sheets.
    - b. Galvanized Steel Tube: Deliver to site one 24 inch long layered mockup showing layers in 6 inch sections of galvanizing, surface preparation, shop applied primer and shop applied finish coat.
  - 4. Field Mockup: For field coated existing structural steel provide an onsite minimum 4 feet long layered mockup on a column showing 1 foot long sections of surface preparation, primer coat, intermediate coat and finish coat.
  - 5. The contractor shall arrange for the coating manufacturer's representative to be present during the review of the layered mockups of both the physical sample and on-site mockups.

**1.03 DELIVERY, STORAGE, AND HANDLING**

- A. Delivery: Deliver materials to the Site in original, unopened containers and cartons bearing manufacturer's printed labels. Do not deliver products which have exceeded their shelf life, are in open or damaged containers or cartons, or are not properly labeled as specified.
- B. Storage and Handling: Store products in a dry, well-ventilated area in accordance with manufacturer's published product data sheets. Storage location shall have an ambient air temperature range as recommended in writing by the coatings manufacturer.

## 1.04 PROJECT CONDITIONS

- A. Environmental Requirements:
  - 1. Ambient Air Temperature, Relative Humidity, Ventilation, and Surface Temperature: Comply with paint manufacturer's published product data sheet or other printed product instructions.
  - 2. If the paint manufacturer does not provide environmental requirements, use the following:
    - a. Ambient Air Temperature: Between 45 degrees F and .75 degrees F.
    - b. Relative Humidity: Below 75 percent.
    - c. Ventilation: Maintain the painting environment free from fumes and odors throughout the Work of this Section.
    - d. Surface Temperature: At least 5 degrees F above the surface dewpoint temperature.
  - 3. Maintain environmental requirements throughout the drying period.

## PART 2 PRODUCTS

### 2.01 PAINT MANUFACTURERS

- A. The entire coating system from primer to finish coats for both existing and galvanized steel shall be manufactured by:
  - Tnemec Company, Inc.  
123 West 23 Avenue  
North Kansas City, MO 64116  
(816) 483-3400.
- B. Equivalent coating system products of the following manufacturers shall be acceptable subject to review by the Director's Representative for equivalency:
  - 1. PPG Architectural Finishes, One PPG Plaza, Pittsburgh, PA 15272, (800) 441-9695.
  - 2. Sherwin-Williams Co., 101 West Prospect Avenue, Cleveland, OH 44115, (800) 321-8194.

### 2.02 FINISH PAINT TYPES

- A. The coating system for existing structural steel shall be as below.
  - 1. Primer coat: Tnemec Series V69 applied to achieve a 4 to 6 mils dry film thickness (DFT).
  - 2. Intermediate coat: Tnemec Series V69 applied to achieve a 4 to 6 mils DFT.
  - 3. Finish coat: Tnemec Series 1095 Semi-Gloss applied to achieve a 2 to 3 mils DFT.
- B. The coating system for galvanized steel support structure for slope-glazing and any other galvanized steel members.

1. Shop Applied Primer:  
Tnemec Hi-Build Epoxoline II – Series 69F; 4 to 6 mils DFT.
  2. Shop Applied Finish Coat:  
Tnemec Endura-Shield Series 1095 Semi-Gloss; 3 to 4 mils DFT.
- C. Colors: Provide paint colors to be selected by the Director’s Representative from paint manufacturers available color selections.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Examine surfaces to be prepared, primed, or painted for compliance with contract documents, required environmental conditions, manufacturer’s product data sheets, product label instructions and other written requirements.
1. Do not begin any phase of the work without first checking and verifying that surfaces and environmental conditions are acceptable for such work and that any earlier phase deficiencies and discrepancies have been properly corrected.
  2. The coating manufacturer’s representative shall conduct at least two field inspections for quality assurance and provide written reports to the Director’s Representative.

### **3.02 SURFACE PREPARATION**

- A. Protection: Cover and protect surfaces to be painted, adjacent surfaces not to be painted, and removed furnishings and equipment from existing paint removals, airborne sanding particles, cleaning fluids and paint spills using suitable drop cloths, barriers and other protective devices.
1. Adjacent exterior surface protections include roofs, walls, landscaping, driveways and walkways. Interior protections include floors, walls, furniture, furnishings and electronic equipment.
  2. Remove and replace removable hardware, lighting fixtures, telephone equipment, other devices and cover plates over concealed openings in substrates to be painted.
    - a. Cover and neatly mask permanently installed hardware, lighting fixtures, cover plates and other devices which cannot be removed and are not scheduled for painting.
  3. Schedule and coordinate surface preparations so as not to interfere with work of other trades or allow airborne sanding dust particle to fall on freshly painted surfaces.
  4. Provide adequate natural or mechanical ventilation to allow surfaces to be prepared and painted in accordance with the minimum level of surface preparation specified in this Section.
  5. Provide and maintain “Wet Paint” signs, temporary barriers and other protective devices necessary to protect prepared and freshly painted surfaces from damages until Work has been accepted.

- B. Clean and prepare surfaces to be painted in accordance with specifications, paint manufacturer's approved product data sheets and printed label instructions. In the event of conflicting instructions or directions, the more stringent requirements shall apply.
  - 1. Cleaners: Use only approved products manufactured or recommended by finish paint manufacturer. Unless otherwise recommended by cleaner manufacturer, thoroughly rinse with clean water to remove surface contaminants and cleaner residue.
  
- C. Surface preparation for existing structural steel:
  - 1. Step 1: Power wash all surfaces using a 15 degree tip at 3000 PSI. Thoroughly clean to remove dirt, soot, grease, mildew, and chalkiness.
  - 2. Step 2: Proceed to an SSPC -SP3 power tool cleaning to remove all loose point and loose rust.
  - 3. Apply primer, intermediate and topcoats as specified in 2.02 A.
  
- D. Surface preparation for galvanized steel:
  - 1. Allow new galvanized surfaces to weather as long as possible before cleaning. Remove surface contaminants using clean rags and petroleum spirits.
  - 2. Remove "white rust" using appropriate solvent and, if necessary, wire brushing or sanding.
  - 3. Prior to application of primer prepare tubular steel's galvanized surfaces by brush-off blast cleaning as per SSPC-SP16 specification to create a 2 mil anchor profile for bonding.
  - 4. Apply primer and topcoat specified in 2.02, B.
  
- E. Painting Material Preparations:
  - 1. Prepare painting materials in accordance with manufacturer's approved product data sheets and printed label instructions.
    - a. Stir materials before and during application for a consistent mixture of density using coating manufacturer's approved tools. Remove container surface paint films before stirring and mixing.
    - b. Do not thin paints unless allowed and directed to do so in writing within limits stated on approved product data sheets.

### **3.03 APPLICATION**

- A. Environmental Conditions:
  - 1. Apply coatings during daylight hours free from rain, snow, fog and mist when ambient air and surface temperatures and humidity are per manufacturer's written instructions. Painting is not permitted during non-daylight hours.
  - 2. Exterior Cold Weather Protection: Provide heated enclosures necessary to maintain specified temperature and relative humidity conditions during coating application and drying periods.
  
- B. Install approved coatings where specified, or shown on the drawings, and to match approved field examples.

1. Paint Applicators: Brushes, rollers or spray equipment recommended by the paint manufacturer and appropriate for the location and surface area to be painted.
  - a. Specified minimum dry film thicknesses shall be the same for different application methods and substrates.

### **3.04 FIELD QUALITY CONTROL**

- A. Paint Samples: If instructed, assist the Director's Representative in obtaining random one quart paint samples for testing at any time during the Work.
  1. Notify the Director's Representative upon delivery of paints to the Site.
  2. Furnish new one quart metal paint containers with tight fitting lids and suitable labels for marking.
    - a. Furnish labor to thoroughly mix paint before sampling and provide assistance with sampling when required.

### **3.05 ADJUSTING AND CLEANING**

- A. Reinstall removed items after painting has been completed.
  1. Restore damaged items to a condition equal to or better than when removed. Replace damaged items that cannot be restored.
- B. Touch up and restore damaged finish paints per manufacturer's written instructions. Touch up and restoration paint coats are in addition to the number of specified finish paint coats.
- C. Remove spilled, splashed, or spattered paint without marring, staining or damaging the surface. Restore damaged surfaces to the satisfaction of the Director's representative.
- D. Remove temporary barriers, masking tape, and other protective coverings upon completion of painting, cleaning and restoration work.

**END OF SECTION**

CONSULTANT  
CERTIFICATE OF AUTHORIZATION #: 0006552



UNIFORM CODE STATEMENT:  
TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

WARNING:  
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



REGISTRATION EXPIRES:  
2/28/2026

CONSTRUCTION

TITLE: REHABILITATE ENTRANCE CANOPY

LOCATION: TEN EYCK OFFICE BUILDING  
40 NORTH PEARL STREET  
ALBANY, NY 12207

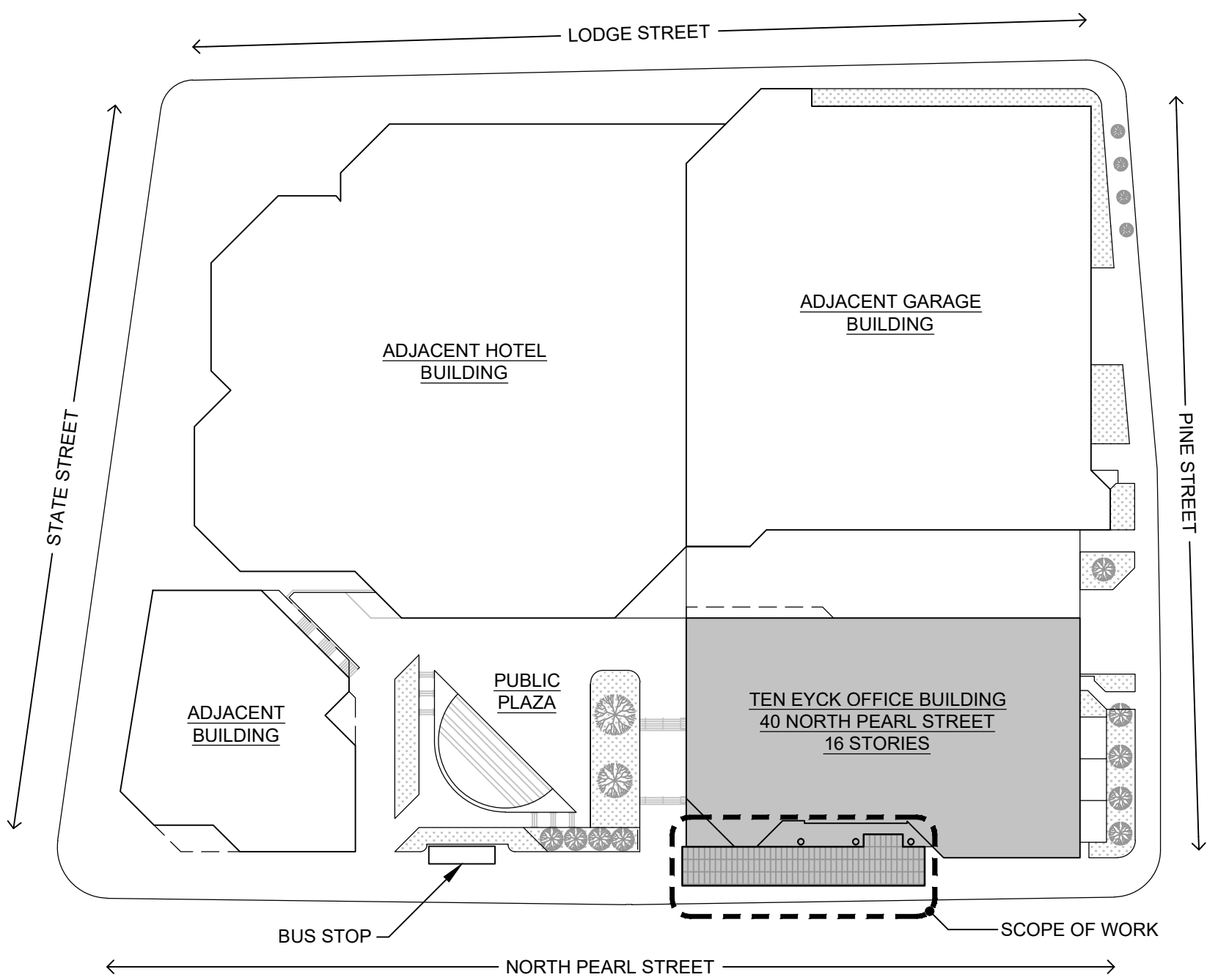
CLIENT: NYS  
OGS

MARK	DATE	DESCRIPTION
3	5/19/2025	ADDENDUM NO.3
1	5/7/2025	ADDENDUM NO.1
	3/14/2025	BID DOCUMENT

PROJECT NUMBER: 47557 - C  
DESIGNED BY: NK / OG  
DRAWN BY: OG / MZ  
FIELD CHECK:  
APPROVED: PM

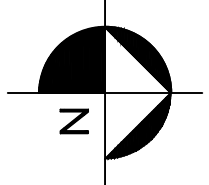
FACILITY KEY PLAN & SITE PROTECTION PLAN

DRAWING NUMBER:  
A-001



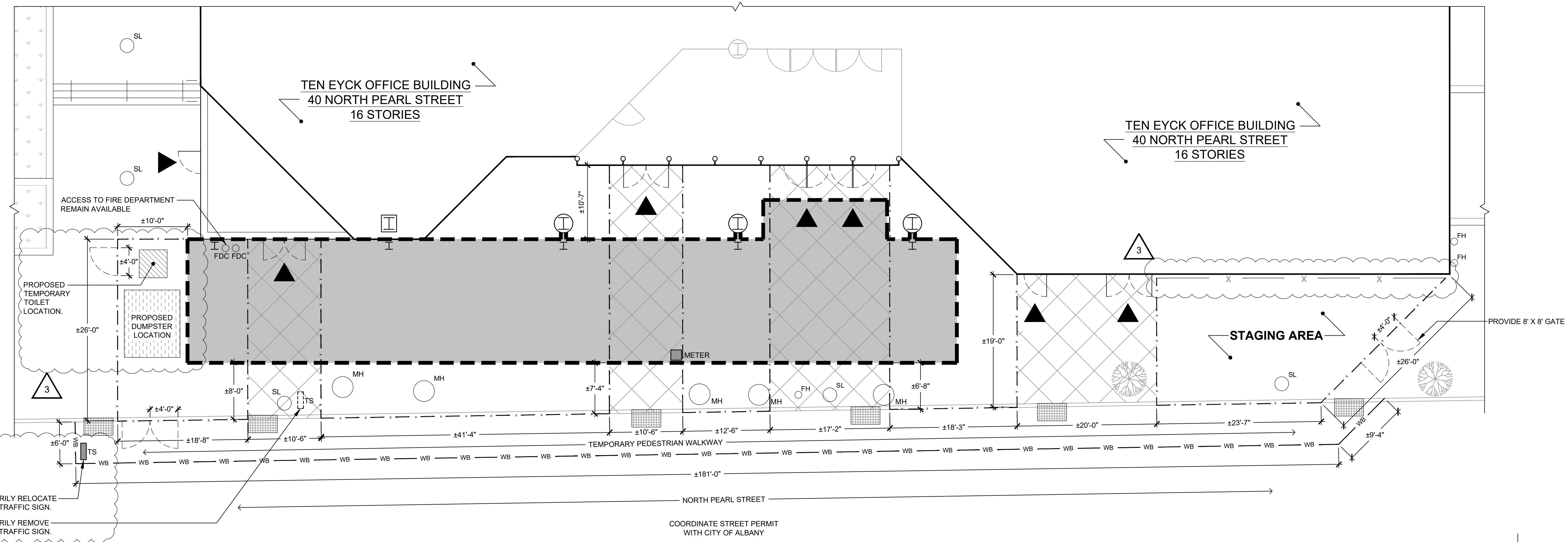
1 FACILITY KEY PLAN

A-001 1/64" = 1'-0"



LEGEND			
	SCOPE OF WORK / CANOPY OUTLINE		EXISTING FIRE DEPARTMENT CONNECTION
	EGRESS/ ENTRANCE		EXISTING STREET LIGHT TO REMAIN
	PROVIDE MIN. 8' HIGH COVERED WALKWAY		EXISTING MANHOLE TO REMAIN
	PROVIDE TEMPORARY WALKWAY BARRIERS		EXISTING STEEL COLUMN TO REMAIN
	PROVIDE SOLID BARRIER WALL. MINIMUM 3/4" PLYWOOD FENCE 8 FEET HIGH SUITABLY SUPPORTED AND WIND RESISTANT. PROVIDE LOCKABLE GATE FOR EQUIPMENT ACCESS. MAINTAIN EGRESS AT ALL THE TIME.		EXISTING STEEL COLUMN WITH ALUMINUM COLUMN COVER TO REMAIN
	PROVIDE SOLID BARRIER WALL. MINIMUM 3/4" PLYWOOD FENCE 6 FEET HIGH SUITABLY SUPPORTED AND WIND RESISTANT.		EXISTING METER TO REMAIN
	TEMPORARILY RELOCATE EXISTING TRAFFIC SIGN		PROVIDE TEMPORARY HANDICAP RAMP AT CURB
			PROTECT EXISTING TREES

- SITE PROTECTION NOTES:
- THIS DRAWING IS A CONCEPTUAL ILLUSTRATION INDICATING A MINIMUM LEVEL OF SITE PROTECTION. FOLLOW MORE STRICT RULES TO EXTEND PERIMETER CHAINLINK FENCE AND INSTALL COVERED WALKWAY.
  - (C) CONTRACTOR TO PROVIDE SITE PROTECTION.
  - SUBMIT A SITE SAFETY PLAN INCLUDING COVERED WALKWAYS AT ALL DOORS AND EGRESS, FENCE, SCAFFOLD, ETC. TO THE DIRECTOR'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF THE WORK. COMPLY WITH NEW YORK STATE BUILDING CODE FOR SIDEWALK SHED/COVERED WALKWAYS.
  - REMOVE SIDEWALK SHED AND TEMPORARY SITE PROTECTION AT THE COMPLETION OF THE PROJECT. COORDINATE WITH THE FACILITY.
  - PROTECT EXISTING GRASS AREAS, TREES, PLANTS, WALKWAYS AND FIXTURES ON GROUND. RESTORE OR REPLACE ITEMS DAMAGED BY CONTRACTOR.
  - EGRESS AND ENTRANCES ARE TO BE MAINTAINED AT ALL TIMES.
  - POST SIGNAGE ON THE COVERED WALKWAY PROTECTION INDICATING CONSTRUCTION WORK ABOVE.
  - PROVIDE TEMPORARY CHAINLINK FENCE AROUND STAGING AREA.
  - PROVIDE SIGNAGE FOR EGRESS PATH WHILE WORK IS IN-PROGRESS AT THE CANOPY.



2 SITE PROTECTION PLAN

A-001 1/8" = 1'-0"

