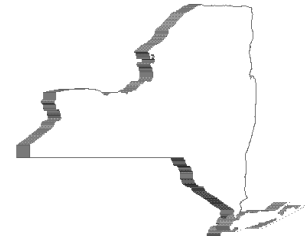




STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 2 TO PROJECT NO. 44340

**CONSTRUCTION WORK
UPGRADE CONCESSION STAND
BEAVER STREET BUILDING
25 BEAVER STREET
NEW YORK, NEW YORK 10004**

March 15, 2012

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.

SPECIFICATIONS GROUP

1. SECTION 095300 SUSPENDED ACOUSTICAL CEILING SYSTEM: Add the accompanying Section (pages 095300-1 through 095300-6) to the Project Manual.
2. SECTION 097126 VINYL COATED FABRIC WALL COVERING: Discard the Section bound in the Project Manual.

DRAWINGS

3. Drawing A-101:
 - A. Equipment Schedule:
 1. Item #56 – Wire Shelving:
 - a. Change quantity from “17” to “8”.
 2. Item #57 – Wire Shelving:
 - a. Change quantity from “3” to “4”.
 3. Item #57 – Wire Shelving (third one):
 - a. Change Set No. from “57” to “58”.
 - b. Change quantity from “18” to “12”.
 4. Item #57 – Safe:
 - a. Change Set No. from “57” to “59”.
 5. Item #57 – Chair:
 - a. Change Set No. from “57” to “60”.

- B. Floor Plan:
1. Change Item “#56” along the rear wall behind the new counter. To “#58”.

END OF ADDENDUM

James Dirolf, P.E.
Director of Design

SECTION 095300

SUSPENDED ACOUSTICAL CEILING SYSTEMS

PART 1 GENERAL

1.01 REFERENCES

- A. ASTM C 635 - Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
- B. ASTM C 636 - Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.
- C. ASTM E 1414 - Standard Test method for Air-born Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum.
- D. ASTM E 1264 - Standard Classification for Acoustical Ceiling Products.
- E. Ceilings and Interior Systems Contractors Association (CISCA) Acoustical Ceilings: Use and Practice.
- F. UL - Fire Resistance Directory and Building Material Directory.

1.02 SYSTEM DESCRIPTION

- A. Suspended Ceiling System consisting of main runners and cross runner tees snapped together to form modules or grids for the installation of lay-in acoustical tiles or panels, air diffusers, and light fixtures.
- B. Existing channel ceiling suspension system may be re-used to the greatest extent possible. Modify existing channels, black iron, flat hangers or threaded rod suspension system to reflect the new reflected ceiling plan shown on the drawings. Where the existing channel suspension system does not correspond to the new reflected ceiling plan relocate or install new channel suspension system to support the new ceiling grid.
- C. Structural Performance and Suspension System Types:
 - 1. Type ID/EG: Intermediate duty, direct hung, exposed grid. (Minimum load carrying capability of main runner: 12 lb/lin ft).

1.03 SUBMITTALS

- A. Shop Drawings: Reflected ceiling plans and details that indicate coordinating penetrations and ceiling mounted items, including the following:
 - 1. Ceiling suspension members.
 - 2. Method of attaching hangers to supporting existing building structure.

3. Ceiling-mounted items including light fixtures; air outlets and inlets; sprinkler heads; and special moldings at walls, columns penetrations, and other junctures with adjoining construction.
- B. Product Data: Manufacturer's catalog sheets, specifications, and installation instructions for the following:
1. Each suspension system type specified.
 2. Acoustical units specified.
- C. Samples:
1. Suspension System Materials: 12 inches long of exposed suspension system, component members, including moldings, for each color and system type required.
 2. Acoustical Units: 12 inches square, each type, pattern, and color specified.
- D. Quality Control Submittals:
1. Certification: Manufacturer's written statement, certifying that the suspension system meets or exceeds the specified structural requirements.
- E. Contract Closeout Submittals:
1. Maintenance Instructions: Two copies of the manufacturer's printed recommendations for cleaning and refinishing the acoustical units. Include precautions regarding materials and methods which may be detrimental to finish and acoustical efficiency.

1.04 QUALITY ASSURANCE

- A. Installers Qualifications: The persons installing the suspended acoustical ceiling system and their supervisor shall be personally experienced in suspended acoustical ceiling installation and shall have been regularly employed by a company installing systems for a minimum of 2 years.
- B. Surface Burning Characteristics: Tested in accordance with ASTM E 84 and complying with ASTM E 1264 for Class A products.
1. Flame Spread: 25 or less.
 2. Smoke Developed: 50 or less.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver acoustical units and suspension system components to the Project Site in original, unopened packages and store them in a fully enclosed space protected against damage from moisture, direct sunlight, surface contamination, and other causes.
- B. Open ends of acoustical unit packages 24 hours before installation to stabilize moisture content and temperature.

- C. Handle acoustical units carefully to avoid chipping edges or damaging units in any way.

1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Comply with acoustical unit's manufacturer's printed temperature and ventilation requirements before, during, and after installation.
- B. Space Enclosure: Do not install interior acoustical units until space is enclosed and wet work in spaces is completed, and work above ceilings is complete.

1.07 MAINTENANCE

- A. Furnish extra materials described below to match products installed, are packaged with protective covering for storage, and are identified with appropriate labels. Furnish quantities equal to 2 percent of acoustical units and exposed suspension system components installed.

PART 2 PRODUCTS

2.01 METAL SUSPENSION SYSTEM MATERIALS

- A. Provide manufacturer's standard metal suspension systems of types, structural classifications, and finishes indicated that comply with applicable ASTM C 635 requirements.
- B. Recycled Content: Provide products made from steel sheet with average recycled content such that post-consumer recycled content plus one-half of pre-consumer recycled content is not less than 25 percent.
- C. Grid Materials:
 - 1. Double-web design main runners and cross-runner tees roll-formed from electro galvanized cold rolled sheet steel with prefinished steel caps on flanges.
 - a. Exposed Tees: 9/16 inch wide caps minimum and 15/16 inch wide caps maximum.
 - 2. Grid Finish: Prepainted white or color as selected from manufacturer's standard colors.
- D. Accessories:
 - 1. Wall Moldings and Trim: Steel or extruded aluminum of types and profiles indicated, or if not indicated, manufacturer's standard prefinished moldings for edge penetrations that fit type of edge detail and suspension indicated.
 - 2. Spring Steel Spacers: Designed to hold border acoustical units in compression.

- E. Attachment Devices:
1. Hanger Clips: Galvanized steel clips or clamps specifically designed for attachment to structural steel. Drive-on clips or clamps which depend on friction to hold the device are not acceptable.
 2. Attachment to existing cast in place concrete: attach hanger clip angles, fasteners to the concrete with expansion bolts or drive devices.
 3. Hanger Rods: Mild steel, zinc coated, or protected with rust inhibitive paint.
 4. Flat Hangers: Mild steel, zinc coated, or protected with rust inhibitive paint.
 5. Channel beam splice secured from main beam suspension system to black iron or channel support.
 6. Miscellaneous Fasteners: Bolts, screws, and other fasteners recommended by suspension system manufacturer and necessary to install the Work.

2.02 ACOUSTICAL UNIT MATERIALS

- A. Standard for Acoustical Units: Manufacturer's standard units of configuration indicated that comply with ASTM E 1414 and ASTM E 1264, conforming to the following:
1. Noise Reduction Coefficient (NRC) Range: 0.50 - 0.75.
 2. Ceiling Attenuation Class (CAC) Range: 30 - 35.
 3. Light Reflectance Coefficient (LR): 0.75 or greater.
 4. Recycled Content: Provide acoustical panels with recycled content such that postconsumer recycled content plus one-half of pre-consumer content constitutes a minimum of 45-70% by weight.
- B. Standard of Quality:
1. Armstrong – Cortega #769.
- C. Acoustical Units:
1. Mineral base with factory applied painted finish. (Type III).
 - a. Water felted. (Form 2).
- D. Panel Dimensions and Edge Details:
1. Size: 24 x 48 inches; thickness 5/8 inch.
 2. Edges: Square.
- E. Pattern Description:
1. Fissured.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates and structural framing scheduled to receive the ceiling system for compliance with requirements specified. Do not install the Work until unsatisfactory conditions are corrected.

3.02 INSTALLATION OF SUSPENSION SYSTEM

- A. Install acoustical ceiling suspension system to comply with installation standard ASTM C 636, in accordance with the manufacturer's printed instructions, and CISCA "Ceiling System Handbook".
- B. Lay-out system to a balanced design with edge units no less than 50 percent of acoustical unit size.
- C. Hang suspension system independent of walls, columns, ducts, pipes, and conduit.
- D. Hangers:
 - 1. Attach hangers to supporting construction, spaced 4 feet oc maximum and within 6 inches of ends of main beams. Where ducts or other items, including items provided under related contracts (if any), interfere with the spacing of hangers, and install trapeze type hangers under the obstructing items to support ceiling hangers.
 - 2. Do not kink or bend hangers as a means of leveling components.
- E. Attachment of Hangers to Supporting Construction: Unless otherwise shown, secure the hangers to the construction as follows:
 - 1. Attachment to Structural Steel Framing: Clinch hanger around top of flange of steel member approximately 135 degrees.
- F. Suspension System Installation Tolerances:
 - 1. Form right angles at intersections of main and cross runners.
 - 2. Install main runner's level to within 1/8 inch in 12 feet. Install cross runners to within 1/32 inch of the required center distances (non-cumulative beyond 12 feet).
 - 3. Align vertical distance of exposed surfaces between intersecting runners to within 0.015 inch.
 - 4. Limit horizontal gaps in exposed surfaces of intersecting or abutting members to within 0.020 inch.
- G. Wall Moldings and Trim: Install moldings and trim of type indicated where ceilings intersect vertical surfaces. Use manufacturer's recommended fasteners suited for secure attachment to the particular substrate.
 - 1. Sealant Bed: Apply continuous ribbon of acoustical sealant, concealed on back of vertical leg of moldings before they are installed.
 - 2. Screw attach moldings to substrate at intervals not over 16 inches oc and not more than 3 inches from ends, leveling with ceiling suspension system to tolerance of 1/8 inch in 12 feet. Miter corners accurately and connect securely.

3.03 INSTALLATION OF ACOUSTICAL UNITS

- A. Install acoustical units in accordance with the manufacturer's printed instructions, unless otherwise shown or specified.
 - 1. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
 - 2. Install acoustical unit's level, in uniform plane, and free from twist, warp, and dents.
 - 3. Scribe and cut acoustical units to fit accurately at borders and at penetrations.
 - 4. Where tiles are not supported by suspension members, install splines at unsupported joints.
 - 5. Keep border tiles in compression by inserting spring steel spacers between tiles and moldings. Place one spacer bar at the center of each tile.

3.04 CLEANING AND ADJUSTING

- A. Clean exposed surface of acoustical ceilings, including trim, wall moldings, and suspension members. Comply with manufacturer's printed instructions for cleaning and touch-up of minor finish damage.

END OF SECTION