SELECTION 02070
SELECTIVE REMOVALS & DEMOLITION

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

A. Extent of Work

Removal and demolition of selected items from selected areas of the building as indicated on the Drawings; items to be removed include, but are not limited to, the following.

1.02 SUSTAINABILITY REQUIREMENTS

A. The Contractor shall implement practices and procedures to meet the Project’s sustainable requirements. The Contractor shall ensure that the requirements related to these goals, as defined in Specification Section S01352, Sustainability Requirements, and as specified in this Section, are implemented to the fullest extent. Substitutions or other changes to the work shall not be proposed by the Contractor or their subcontractors if such changes compromise the stated Sustainable Design Performance Criteria.

B. Sustainability requirements included in the Section are as follows:

1. Demolition waste management.
2. Management of dust and particulate matter.

1.03 SUBMITTALS

A. Submit a schedule indicating proposed methods and sequence of operations for selective removals and demolition Work, prior to commencement of operations. The sequence of operations shall be planned, in detail, to ensure uninterrupted progress of school sessions.

B. Submit details and procedures for dust and noise control.

C. Signed receipt for salvaged items delivered to the CUNY Representative.
D. Quality Control Submittals

1. Contractor Qualifications
   a. Provide proof of Contractor and Professional Engineer qualifications specified under "Quality Assurance".

E. Sustainability Submittals

1. Refer to Section S01524 Construction Waste Management for list of managed materials and submittal requirements.
2. Statement of the measures taken to reduce air with dust and particulate matter.

1.04 RESPONSIBILITY, PROTECTION, DAMAGES, RESTRICTIONS

A. Condition of Space

CUNY assumes no responsibility for actual condition of the space in which removals and demolition Work is performed.

B. Protections

Provide temporary barricades and other forms of protection required to protect CUNY property, personnel, students and general public from injury due to selective removals and demolition work.

1. Provide protective measures as required to provide free and safe passage of students, CUNY personnel, and the general public.

2. Protect from damage existing finish work that is to remain in place and which becomes exposed during operations.

3. Protect floors with building paper or other suitable covering.

C. Damages

Promptly repair any and all damages to all property and finishes caused by the removals and demolition work; to CUNY's satisfaction and at no extra cost to CUNY.

D. Explosives

The use of explosives is prohibited.
E. Power-driven Tools (for interior removals and demolition).

Only hand-held electric power-driven tools conforming to the following criteria shall be used to cut or drill concrete and masonry:

1. Electric Chiselling Hammer
   a. Power Data 115 Volts AC
      7-8 Amps
      Three-wire grounded connection
   b. Percussion 2400-2600 Impacts/Minute.
   c. Type/Size Hand-held (+ 18-inch length).
   d. Unit Weight 12-15 pounds (minus chisel bit).

2. Electric Hammer Drill
   a. Power Data 115 Volts AC
      5-8 Amps
      Three-wire grounded connection
   b. Percussion 2400-3200 Impacts/Minute.
   c. Type/Size Hand-held (+ 18-inch length).
   d. Unit Weight 12-15 pounds (minus chisel bit).
   e. Speed Data 0-0500 RPM (Under load).

1.05 QUALITY ASSURANCE

A. Qualifications

1. Company specializing in performing the Work of this Section shall have a minimum of 3 years experience and shall have worked on 3 projects of similar size.

2. Preparation of details of shoring and bracing and underpinning shall be under the direct supervision of and bear the seal of a Licensed Professional Engineer of the State of New York experienced in the design of such work, who shall also be responsible for construction supervision of such work.
B. Regulatory Requirements

1. Work of this Section shall conform to all requirements of the NYC Building Code and all applicable regulations and guidelines of all governmental authorities having jurisdiction, including, but not limited to, safety, health, and anti-pollution regulations. Where more stringent requirements than those contained in the Building Code or other applicable regulations are given in this Section, the requirements of this Section shall govern.

2. Conform to the requirements of "Safety and Health Standards, Subpart P - Excavations, Trenching and Shoring" - OSHA.

PART 2 - PRODUCTS - NOT APPLICABLE

PART 3 - EXECUTION

3.01 INSPECTION

A. Prior to commencement of the selective removals and demolition Work, inspect the areas in which the Work will be performed. Determine and list the existing conditions of rooms or area surfaces and equipment. After the Work in each respective area is completed, determine if adjacent surfaces or equipment have been damaged as a result of the Work; if so, the damage shall be corrected at the Contractor's expense.

3.02 REMOVALS AND DEMOLITION WORK

A. Perform selective demolition Work in a systematic manner and use such methods as are required to complete the Work indicated, and in accordance with the Specifications and governing City, State, and Federal regulations.

B. When walls, partitions, floors, and ceilings (or portions thereof) are indicated to be removed; unless indicated otherwise:

1. Remove all items attached to the surfaces of the construction to be removed.
2. Remove all electrical wiring, to include, but not limited to, lighting, communications, alarms and all related appurtenances, conduits, devices, fixtures, and other electrical items and accessories occurring on or in the construction to be removed; disconnect power and remove wiring and conduit back to source.

C. Carefully remove items, equipment and materials to be retained by CUNY and deliver them to locations indicated in the Article titled "Ownership of Materials".

3.03 DISPOSAL OF DEMOLISHED MATERIALS

A. Remove debris, rubbish and other materials resulting from the removals and demolitions from the building immediately; transport and legally dispose of materials off-site. Disposal method shall be in accordance with City, State, and Federal regulations. Items to be retained by CUNY shall be delivered to locations indicated in the Article titled "Ownership of Materials".

B. Burning of removed materials is not permitted on the job site.

3.04 CLEAN-UP AND REPAIR

A. Upon completion of removals and demolition Work, remove tools, equipment and all remaining demolished materials from the site.

B. Repair all damaged areas caused by the removals and demolition Work. Repair adjacent construction or surfaces soiled or damaged by selective demolition work.

C. All areas of the building will be returned thoroughly cleaned and dust free by the end of each work day using all means necessary.

3.05 OWNERSHIP OF MATERIALS

A. All equipment, materials, and items removed shall remain the property of if CUNY desired; equipment, material and items not desired to be re-used or retained by CUNY shall be removed from the site by the Contractor. CUNY's Representative will designate which equipment, materials and items will be retained.
B. The items, equipment and materials listed in this Paragraph shall be removed and salvaged by the Contractor for future use by the CUNY. Deliver the items to the appropriate shops in the Division of CUNY Facilities. Salvage items shall include.

END OF SECTION
LIST OF SUBMITTALS

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