SECTION 01 35 00
SPECIAL PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes: Administrative and procedural requirements for special project procedures.

B. Related Requirements:

1. General Conditions
2. Section 01 11 00 Summary of Work: Use of premises requirements.

1.2 GENERAL REQUIREMENTS

A. Comply with applicable governing ordinances, laws, and regulations. Obtain and pay for required permits and inspections.

B. Provide adequate protection for general public, University personnel and students, building occupants, building contents and adjacent surfaces, during renovation operations. Maintain existing public and occupant access routes and entrances into the building, unless specifically noted otherwise.

C. The Contractor or his authorized agent shall be present at the field office or elsewhere on the site at all times while the Work is in progress.

D. No equipment from the Research and Technology Center building may be loaned, borrowed or rented for use by the construction crews. Notify the University to move any equipment in the way of construction. Equipment includes, but not exclusive to, Carts, Dumpsters, Recycling Bins, Tools, Restrooms, Kitchens, Coffee Services and mechanical or electrical equipment, unless otherwise authorized by the University.

E. Site and building access is restricted and controlled. All Contractors, subcontractors and their employees shall comply with the University's identification and access procedures.
1. Site and building access locations for Contractors, subcontractors and their employees are indicated on the drawings.

F. Parking on the Athens Campus is restricted and controlled.
1. On-site parking of construction vehicles or personal vehicles is restricted to the designated existing parking area indicated on the drawings.

G. No smoking will be permitted within 25 feet of any building entrance.

1.3 EXISTING CONDITIONS

A. Each Contractor shall be responsible for familiarizing their workers and subcontractors with existing permanent and temporary underground utilities to avoid damage to the utility in the process of completing their work.

B. Damage to existing utilities caused by any Contractor shall be repaired by the Contractor responsible for that utility. The cost of the repair shall be paid by the Contractor causing the damage.

1.4 INTERRUPTION OF EXISTING UTILITIES

A. Comply with General Conditions, Article 2 – The Contractor, Paragraph 2.17 Interruptions of Existing Services and Supplementary Conditions Modifications to the General Conditions requirements.

B. Interruption, disconnection, reduction, or curtailment of any critical utility service, including the items indicated below, shall not be started without a minimum of 14 days prior notice and cooperation with the University.
   1. Gas.
   2. Electricity.
   3. Water.
   4. Telephone.
   5. Steam.
   6. Fire Protection.
   7. Sewer.
   8. Sanitary.

C. Before interrupting any critical service to or within the building, submit a plan stating the method and duration of the proposed interruption to University. Do not, under any circumstances, proceed with work of any type, which may interfere with the University's everyday activities without University's written authorization. Perform utility downtime at other than normal working hours. Overtime shall be included for these periods.

1.5 CONSTRUCTION NOISE CONTROL

A. Comply with Section 01 11 00 Summary of Work, Paragraph 1.5 Work Scheduling and Sequencing and Paragraph 1.6 Contractor's Use of Premises requirements.

B. Contractors shall utilize all necessary methods and procedures to protect building occupants and surrounding areas from excessive noise associated with construction work and to provide and maintain an environment suitable for an educational facility.
   1. Noise shall be defined as uncontrolled sound produced by construction activities, including airborne sound transmitted by way of the air and structure-borne sound generated by vibrations in the structure.
   2. Airborne noise shall be controlled by means of temporary partitions and ceiling enclosures, provided under Section 01 50 00 – Temporary Facilities and Controls, erected to absorb, block and isolate construction noise.
   3. Impact type structure-borne noise shall be controlled by means of temporary sound control mat type materials covered with plywood or other methods and procedures proposed by the Contractor and acceptable to the Architect/Engineer and the University.
   4. The use of jack hammers or other heavy duty impacting type tolls for selective demolition work will not be permitted without the University's written authorization.

C. Contractors shall schedule times and coordinate construction work generating above normal noise levels a minimum of 72 hours in advance with the Architect/Engineer and the University.
   1. Work creating above normal noise levels, as determined by the Architect/Engineer and the University, shall be performed during night shift hours or at times other than the University's normal business hours as directed by the University.
   2. General Trades Contractor shall be responsible for site supervision of potential sources of noise for all trades and advise all trades of the construction noise sensitivity for the Project.

D. Field Quality Control: In the event Contractor's construction noise control methods and procedures during construction are not acceptable to the University, the University may retain an acoustical consultant to monitor construction noise levels through measurements to establish levels in excess of 85dBA at 50 feet and provide recommendations for additional noise mitigation methods and procedures to be provided by the Contractor.

1.6 FIRE SAFETY

A. Take every precaution to prevent fires.

B. Provide fire extinguishing equipment in accordance requirements at all work areas requiring welding, soldering, or cutting with flame torches.

C. Coordinate interruption of existing fire protection systems, when necessary, with the University. Methods and equipment to provide temporary fire protection shall be acceptable to the University and may include providing personnel for fire watch.

1.7 HAZARDOUS MATERIALS

A. Comply with General Conditions, Article 2 – The Contractor, Paragraph 2.7 Safety Precautions.

B. Existing painted and coated surfaces: Contractors shall assume that existing painted and coated surfaces that may be disturbed during the Construction Package Work contain lead and cadmium. Contractors shall follow applicable OSHA and EPA regulations for lead and cadmium work.

C. Existing floor tile materials, floor tile mastic and carpet mastic: These materials have tested positive for asbestos and will be removed by hazardous material contractor prior to commencement of work

1.8 CLEANING

A. Comply with General Conditions, Article 2 – The Contractor, Paragraph 2.11 Progress Cleaning.

B. Provide progress cleaning during construction in accordance with specification Section 01 73 00 Execution Requirements. Perform final cleaning in accordance with specification Section 01 77 00 Closeout Procedures.
   1. Maintain public and occupant access and entrances clean and free of mud, dirt and debris. Clean daily and more frequently when required by construction operations.
   2. Clean spillage, overspray and dust caused by renovation work in University occupied areas immediately.
   3. Maintain corridor areas adjacent to construction and access path of travel for workers within the existing building clear and clean.
   4. At completion of work of each trade, clean area and make surfaces ready for work of successive trades.

C. Remove temporary barricades and enclosures after work is completed, unless required during new construction operations.

D. All materials and equipment not designated for salvage and relocation become property of Contractor and shall be removed from site as it accumulates.

PART 2 - PRODUCTS

2.1 PROHIBITED MATERIALS, METHODS AND ITEMS

A. The following items are expressly prohibited:

B. Concealed Weapons: Pursuant to the Ohio Revised Code, no person shall knowingly possess, have under the persons control, convey, or attempt to convey a deadly weapon or dangerous ordnance onto the premises.

C. Attachment Related Items:
   1. Fasteners: Power or powder driven anchors are prohibited for anchorage of any materials. Power driven anchors are anchors driven by compressed air or have explosive caps used when striking the anchor in place.

2. Ceiling suspension/support systems that are not independently supported. Ceiling grid systems shall not be supported from ductwork, electrical conduit, heating or plumbing lines, or any other utility line and vice versa. Each utility system and the ceiling grid system shall be a separate installation and each shall be independently supported from the building structure. Where interference occurs, provide trapeze type hangers or other suitable supports for each system. Locate hangers and supports where they will not interfere with access to mixing boxes, fire dampers, valves, and other appurtenances requiring servicing.
3. Plug anchorage by use of wood, lead, or plastic.
4. Perforated steel strap iron for pipe or other support or anchorage.
5. Penetration of cellular (electrical) deck by fasteners or welding except as required for installation of deck system and associated electrical work.

D. Methods Related Items:
1. The penetration of floors and of walls by pipes, ducts, or other penetrations unless openings are appropriately fire stopped by fire doors, or fire dampers, and voids around pipes, ducts, conduits, etc. are sealed with fire stopping materials.
2. The use of ink marking pens on surfaces of any kind of materials receiving paint or other finish in exposed location.
3. Use of jack hammers or other similar equipment which can cause structure-borne vibration detrimental to the use of the existing facilities.

E. Materials Related Items:
1. Asbestos.
2. Barbed wire in construction fencing.
3. Water soluble treatment of insulation jackets or facing, to impede or retard flame or smoke.

F. Earthwork Related Items:
1. Use of explosives or blasting as a constructing practice is prohibited except as may be approved in writing by the University for special cases of demolition or excavation.
2. ODOT 703 #10 aggregate (Grits) as backfill material.
3. Disposing of organic and hazardous material on site, either by burial or by burning.

G. Masonry Related Items:
1. Masonry reinforcement of the chicken wire type.
2. Unit masonry made of cinders, i.e.: cinder block.
3. Acid for masonry cleaning.

H. Door and Hardware Related Items:
1. Mineral core labeled wood doors.
2. KD door frames.
3. Narrow stile and narrow bottom rail aluminum doors.
4. Thresholds raised more than 1/2" at doors intended to be handicap accessible.
5. Floor mounted door stops.
6. Door knobs containing lock cores or keying devices.
7. Floor closers and closers concealed in door heads.
8. Door closers with integral smoke detectors.
9. Surface mounted and concealed rod exit devices.
10. Passive infared(PIR) motion detectors.

I. Flooring Related Items:
1. Preformed or prefabricated corners for resilient cove bases.

J. Roofing Related Items:
1. Dead level roofs. All roofs must pitch to drains.
2. Pitch pans or pitch pockets for roofing penetrations are prohibited.

K. Plumbing, Fire Protection and HVAC Related Items:
1. Fire protection systems with nonferrous tube, pipe or fittings.
2. Fire pumps of turbine vane type.
3. Threading of pipe made of cast or ductile iron.
4. Bull head connections in any HVAC piping service.
5. Wet piping systems (i.e.: water, sewer, steam, drain, sprinkler, condensate, etc.) installed over electrical switchgear, transformers, motor control centers, radiology rooms, and elevator equipment.
6. Cast iron and brass HVAC lines with pressures higher than 125 psig or temperatures greater than 350 degrees F.
7. Condensate drip traps above 15 psig designed to discharge into condensate return mains or condensate pump receivers.
8. Acoustic lining or insulation on interior of ductwork except in limited scope as specifically indicated.
9. Victaulic or grooved-type joints in dry-pipe fire protection systems.
10. Glass waste piping under slabs or underground.
11. Variable drive pulleys used with 5 hp and larger motors.

L. Electrical Related Items:
1. Direct-burial electrical cable.
2. Electrical wire connectors insulated with hard bakelite or ceramic materials.
3. Aluminum wire for electrical work except that aluminum bus bar may be used if so specified.
4. Aluminum conduit.
5. Plastic conduit for interior use.
6. Extra-flexible non-labeled conduit.
7. Aluminum electrical fittings and boxes used with steel conduit or use of any other incompatible materials.
8. Underground electrical ducts that pass or cross above gas piping.
9. Wire ties to support conduit.
10. Wood strips or wood screws to support lighting fixtures.
11. Piggy back suspension systems for conduits, fixtures, and electrical work.
12. J fuses for electric service disconnect.

PART 3 - EXECUTION

(Not Used)

END OF SECTION 01 35 00