

## 02070 Selective Demolition

### A. Demolition

Proper coordination for the shut-off of utility services and control measures for dust and noise must occur prior to commencement of any demolition work. Considerations must be given to on-going University activities in adjacent areas. In confined areas of selective demolition, install and maintain dust and noise control barriers to keep dirt, dust, and noise from being transmitted to adjacent areas. Remove these protection measures after demolition operations are completed.

Maintain and protect existing building services which transit the area affected by selective demolition. Demolition activities that affect parking, vehicle or pedestrian traffic must be approved by UNC Department of Public Safety at (919) 962-8100 prior to work commencing.

Completely remove all equipment noted on the drawings for removal including all associated devices, controls, conduit, wiring, etc. Remove all exposed conduit and wiring back to the panel from which it is served. Mark all disassociated breakers "spare". Unless otherwise noted, the Contractor shall fill and patch all wall, floor, and ceiling openings resulting from this demolition work with materials and finishes identical to adjacent materials and finished.

Unless otherwise noted, remove all wiring devices, fixtures, controls, circuitry (conduit and wiring), etc., made obsolete by the demolition within or around the building.

The Contractor shall relocate all existing piping, circuitry (conduit and wiring), ductwork, etc., which impedes the installation of new materials and equipment, unless otherwise noted.

Demolish, remove, demount, and disconnect the following:

- Inactive and obsolete piping, fitting and specialties, equipment, ductwork, controls, fixtures, and insulation.
- Piping and ducts embedded in floors, wall, and ceiling may remain if such materials do not interfere with new installation. Remove materials above accessible ceilings. Drain and cap piping and ducts allowed to remain.

All demolition which involves the removal or disturbance of Asbestos Containing fire proofing, finish material, insulation or other asbestos containing material shall be performed in strict accordance with the Division of State Construction "Specifications for Asbestos Abatement" and must be approved by the University's Department of Environment, Health and Safety.

Notify the Department of Environment, Health and Safety (919) 962-5507 if any underground tanks are removed from the ground on the construction site.

Notify the Department of Environment, Health and Safety at (919) 962-9752 for information on proper disposal of ballasts and fluorescent light bulbs.

Prior to building demolition, the Department of Environment, Health and Safety should be contacted at (919) 962-5507 to review the project for potential mercury containing equipment such as piping in dental and scientific buildings, thermostats, and switches.

## **B. Disposal of Equipment and Materials**

The Contractor shall remove all generated trash, recyclables and debris (including, for example, old carpeting) at his or her expense. The Contractor may not place this trash and debris in University dumpsters. The Owner, acting through the Designer, shall retain the right to direct the disposal of salvageable equipment and materials (such as slate roof shingles, mechanical equipment, brick pavers). The Contractor will comply with all requirements as outlined in 01505 (Construction Waste Management) and 01060 (Regulatory Requirements). After selective demolition is complete, submit a list of items that have been removed and salvaged.

The University, as a State institution, is accountable for controlled property and equipment including electrical, mechanical, and plumbing equipment. No equipment is given to the Contractor unless specifically listed in the job specifications prior to contract award. The Contractor shall deliver any surplus equipment to the Surplus Property Warehouse and return a receipt for the equipment to the Facilities Services Data Control Office.

For equipment retained by the Contractor under the contract, the Contractor shall remove the equipment control decals and return them to the Facilities Services preventive maintenance shop or the University's Asset Manager. Do not disturb equipment or fixtures bearing a hazardous, biological or radiological warning sign in any way until authorized by the University Department of Environment, Health and Safety Office who will remove or obliterate the warning sign.

## **C. Definitions**

**Remove:** Detach items from existing construction and legally dispose of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.

**Remove and Salvage:** Detach items from existing construction and deliver them to Owner ready for reuse.

**Remove and Reinstall:** Detach items from existing construction, prepare them for reuse, and reinstall them where indicated.

**Existing to Remain:** Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

## **D. Execution**

**Removed and Salvaged Items:**

- Clean salvaged items.
- Pack or crate items after cleaning. Identify contents of containers.
- Store items in a secure area until delivery to Owner.
- Transport items to storage area designated by Owner, Contractor or other authorized party.
- Protect items from damage during transport and storage.

**Removed and Reinstalled Items:**

- Clean and repair items to functional condition adequate for intended reuse. Paint equipment to match new equipment.
- Pack or crate items after cleaning and repairing. Identify contents of containers.
- Protect items from damage during transport and storage.
- Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.

**Existing Items to Remain:**

- Protect construction indicated to remain against damage and soiling during selective demolition.
- When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.