

SECTION 11500 – LABORATORY RENOVATIONS
CONSTRUCTION STANDARD

LABORATORY RENOVATIONS

PART 1: GENERAL

1.01 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of The University of Texas at Austin for laboratory renovations.
- B. UT recognizes that project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification, it is expected that these guidelines will govern the design and specifications for UT projects.

1.02 Related Standards

- A. 11700 – Fumehoods
- B. 11600 – Laboratory Equipment
- C. 01800 – Lead Based Paint Removal
- D. 02070 –Demolition & Renovation
- E. 02150 – Hazardous Materials Disposal
- G. 16513 – Fluorescent Fixture Disposal
- H. 15160 – Laboratory & De-Ionized Water Systems

1.03 General Requirements

- A. Certain laboratory equipment that could be contaminated with biological or chemical hazards, e.g., incubators, must be cleared through Environmental Health and Safety (EH&S) before they can be relocated to another lab or sent to Surplus Property. Laboratory renovations also often require the abatement or removal of hazardous materials. Contact EH&S at 471-3511 at minimum two weeks prior to any on-site work for requirements concerning the project.
- B. Contractors and University employees involved in the renovation must be trained about the hazards associated with the project, if their work might result in an exposure. The training may include, but should not be limited to personal protective equipment, personal hygiene, and emergency procedures.

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- C. In some instances, e.g., when perchloric acid was used in a fumehood system, the fumehood and duct will have to be washed down and decontaminated before removal procedures can begin. Other fumehood duct removal projects may involve special handling and disposal procedures. Contact EH&S for requirements.
- D. If the renovation involves the shut down of fumehood systems, an outage has to be scheduled at least two weeks in advance. The University's EH&S department, as well as all affected lab staff and the associated departmental office must be notified.
- E. The Department of Public Safety, by means of a Memorandum of Understanding with the Texas Higher Education Coordinating Board, controls some lab apparatus, e.g., Erlenmeyer flasks. These controlled items cannot be discarded into the trash. If other lab staff cannot re-use these items, they must be transferred to EH&S for disposal. If unsure if glassware is regulated, contact EH&S for advice.
- F. Fluorescent fixture disposal will be done in accordance with specifications found in Section 16513.
- G. In some lab renovations, extra steps will be required to provide a safe work environment for contractors and University employees and to protect lab equipment from damage. These may include:
 - 1. Cleaning or decontaminating surfaces prior to start of work.
 - 2. Moving chemicals to a secure location such as another lab or into cabinets with closing doors. If cabinets with closing doors are not available, cardboard or plywood can be applied to shelving units to secure chemicals and prevent them from falling.
 - 3. Moving lab apparatus and other materials from lab benchtops to secure areas, such as shelves or cabinets.
 - 4. Moving or covering sensitive lab equipment.

PART 2: PRODUCTS – NOT USED

PART 3: EXECUTION – NOT USED

END OF STANDARD 11500