

## DIVISION 12 - FURNISHINGS

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### **12350 - LABORATORY CASEWORK**

#### A. General

1. Wood is preferred over metal for general use, although in some projects metal may be appropriate.
2. Specify the appropriate work surface compatible with the specific use of the laboratory: review in detail with the Users and the Owner's Representative.
3. When the Project is of significant complexity, a Laboratory Consultant shall be contracted by the Architect.
4. Review Educational and Institutional Cooperative preferred Vendors with the Owner's Representative.

#### B. Cabinet Design for Hazardous Materials

1. Refer to the most recent edition of the Uniform Fire Code (UFC) and/or the International Fire Code (IFC) as directed by the local Code Officials.
2. Every laboratory shall have at least one (1) and no more than (3) flammable liquid storage cabinets. The number of flammable liquid storage cabinets shall be determined by program design, but shall never be less than 1. The size of flammable liquid storage cabinets shall be determined by program design. Flammable liquid storage cabinets shall be clearly marked. In the absence of specific wording from applicable standards, flammable liquids storage cabinets shall be marked "FLAMMABLE LIQUIDS - KEEP FIRE AWAY," or other language as approved by Owner's Environmental Health and Safety Representative.

Laboratories in which program design has noted use or potential use of acidic materials shall have at least one wooden cabinet lined with sacrificial sheet goods (1/4" Resisto-Rock, e.g.) for acid storage. The size of acid storage cabinets shall be determined by program design. Acid cabinets shall be clearly marked in accordance with the applicable standard. In the absence of specific wording applicable standards, acid storage cabinets shall be marked "CORROSIVES-ACIDS," or other language as approved by Owner's Environmental Health and Safety Representative.

Laboratories in which program design has noted use or potential use of basic materials shall have at least one wooden cabinet, physically distinct and separate from any acid or flammable liquid cabinets, for base storage. The size of base storage cabinets shall be determined by program design. Base cabinets shall be clearly marked in accordance with applicable standard. In the absence of specific wording applicable standards, base storage cabinets shall be marked "CORROSIVES-BASES," or other language as approved by Owner's Environmental Health and Safety Representative.

Laboratories in which program design has noted use or potential use of other hazardous materials (explosives, oxidizers, and peroxides; pyrophorics; water-reactives; poisons and carcinogens) shall have at least one metal cabinet per hazard group above, physically distinct and separate from other cabinets, for storage of these materials. The size of these storage cabinets shall be determined by program design. Hazardous materials cabinets shall be clearly marked in accordance applicable standard. In the absence of specific wording from applicable standards, base storage cabinets shall be marked "HAZARDOUS MATERIALS - KEEP FIRE AWAY," or other language as approved by Owner's Environmental Health and Safety Representative.

Laboratories in which program design has noted use or potential use of any hazardous material shall have at least two cabinets for storage of hazardous and non-hazardous chemical wastes. The size of these storage cabinets shall be determined by program design. These cabinets shall be vented, except as approved by the Owner's Environmental Health and Safety Representative. At least one of these cabinets shall be constructed of wood. At least one of these cabinets shall meet or exceed requirements for flammable liquid storage cabinets. Hazardous waste storage cabinets shall be clearly marked in accordance with applicable standard. In the absence of specific wording, hazardous flammable waste storage cabinets shall be marked "FLAMMABLE WASTE STORAGE - KEEP FIRE AWAY," or other language as approved by Owner's Environmental Health and Safety Representative. Other chemical waste cabinets shall be clearly marked in accordance applicable standard. In the absence of specific wording from UFC, IFC or other applicable standard, chemical waste storage cabinets shall be marked "CHEMICAL WASTE STORAGE," or other language as approved by the Owner's Environmental Health and Safety Representative.

Each cabinet designed for liquid reagent or waste storage shall include a bottom that is liquid tight to a depth of 2 inches.

Each cabinet designed for reagent or waste storage shall include a self latching mechanism and locking mechanism. At least two keys shall be provided to the Owner's Facilities Representative.

Each cabinet designed for reagent of waste storage shall have self-closing devices.

#### **12484 - RUGS AND MATS**

##### A. General

1. A recessed entry mat is required at all building entrances to reduce soil tracking.
2. The designer shall review needs with the Owner's Representative.

#### **12490 - WINDOW TREATMENT**

##### A. General

1. Blinds, shades and draperies are furnished and installed by the Owner except where blinds are integral with the window unit.
2. Adequate blocking shall be provided for future installation the window treatment(s). This shall be reviewed during the design with the Building Committee and Owner's Representative.
3. Coordinate electrical needs for motor operated blinds
4. In Classrooms where a projector is used, black-out shades shall be installed.

## **12500 - FURNITURE**

### A. General

1. Usually, items under this section are included in the movable equipment budget and are provided by the Owner.
2. A schematic furniture layout shall be included in the Architect's Scope of Work for the purposes of verifying the space planning and coordination of related electrical, communications, equipment, etc. The schematic layout shall be included in the Design Development Submittal.
3. Review Educational and Institutional Cooperative preferred Vendors with the Owner's Representative.

## **12600 – MULTIPLE SEATING / AUDITORIUM AND FIXED SEATING**

### A. General

1. The type, configuration and count shall be reviewed with the Building Committee and Owner's Representative during the design progress and lay indicated on the drawings.
2. In Lecture Hall and Auditorium projects, the Architect shall provide the expertise and drawings to assure that optimum sight lines are maintained with the seating layout. Samples of the seating shall be inspected before finalizing the design.
3. Review Educational and Institutional Cooperative preferred Vendors with the Owner's Representative.
4. Low VOC and urea-formaldehyde content materials should be considered as applicable and within the budgetary constraints.