

## 1.0 **GENERAL**

### 1.1 **Related UBC Guidelines**

- .1 UBC Standard Details - Standard Flammable Liquid Storage

### 1.2 **Coordination Requirements**

- .1 Section 06 40 00 Architectural Woodwork
- .2 Section 12 35 53 Laboratory Casework

### 1.3 **Description**

- .1 Flammable Liquid Storage Cabinets.
- .2 Acid Storage Cabinets.

### 1.4 **Performance Standards**

- .1 Construct flammable liquid storage cabinets in accordance with the requirements of the B.C. Fire Code. Storage capacity must comply with the B.C. Fire Code. The UBC Fire Department must approve the cabinet size and exact location for each installation.
- .2 Acid storage cabinets: the final design must be approved by the chemical safety officer, Department of Risk Management Services.
- .3 Construction to be similar to the requirements for flammable liquids storage cabinets except as noted below.
- .4 Requirements of Section 06 40 00 Architectural Woodwork apply to this section.
- .5 Seismic restraints and anchorages shall be engineered to the BC Building Code.

### 1.5 **Quality Control and Assurance**

- .1 Submittals
  - .1 Shop drawings.
- .2 Quality Assurance
  - .1 The work to conform to AWMAC Manual of the Architectural Woodwork Association of Canada
  - .2 Professional Engineer registered in BC, engaged by manufacturer, to seal shop drawings and carry out site reviews, confirmed by Letters of Assurance, for seismic restraints including anchorage.
- .3 Quality Control
  - .1 Same as Section 06 40 00 Architectural Woodwork.
- .4 Warranties
  - .1 Same as Section 06 40 00 Architectural Woodwork.

## 2.0 MATERIALS

### 2.1 Prescriptive Requirements

- .1 Material
  - .1 Products (UBC Mandatory, approved, or not approved for UBC projects - typ.).
- .2 Components
  - .1 Flammable Liquid Storage Cabinet
    - .1 No UBC standards are available.
  - .2 Acid Storage Cabinet
    - .1 Construction similar to the requirements for Flammable Liquids Storage Cabinets except as follows:
      - .1 Interior lined with glass reinforced cement board.
      - .2 One fixed shelf shall be provided.
      - .3 Bottom shall be liquid tight to contain spills.
      - .4 Vents shall be provided in doors.
      - .5 Hinges shall be corrosion resistant and surface mounted.
      - .6 Exterior Caution Label; A 300 mm x 175 mm blue plastic plate with 38 mm white letters stating CAUTION ACIDS CORROSIVE will be provided by Building Operations. This plate is to be screwed to the cabinet by the manufacturer.
- .3 Finishes
  - .1 Factory finish.
  - .2 Refer to UBC Refer Standard Details - Standard Flammable Liquid Storage Cabinet for details.

**\*\*\*END OF SECTION\*\*\***