

1.0 **GENERAL**

1.1 **Related Work and UBC Guidelines**

- .1 Section 12 35 53 Laboratory Casework
- .2 UBC Resilience-Based Design Guide for Nonstructural Systems
- .3 UBC Interior Signage Guidelines

1.2 **Related External Documents**

- 1. National Fire Protection Association (NFPA) Standards.
- 2. Latest edition of the British Columbia Building Code (BCBC).

1.3 **Description**

- 1. Requirements for flammable liquid storage cabinets and corrosives storage cabinets.

1.4 **Coordination**

- 1. The Guidelines apply to all work completed within buildings on both UBC Vancouver and UBC Okanagan campuses unless stated otherwise.
- 2. In instances where conflicts are found between these guidelines and provincial regulations or codes, please notify the UBCV Technical Review Team Architect and UBCO Facilities Management.
- 3. These guidelines are intended to be read by design consultants and their content integrated into construction drawings and specifications. Construction documents are not to reference the technical guidelines directly.
- 4. The Coordinating Registered Professional (CRP) is required to coordinate these requirements with other disciplines.

1.5 **Quality Control and Assurance**

- .1 Submittals
 - .1 Shop drawings.
- .2 Warranties
 - .1 Provide written manufacturer's warranty.

2.0 **DESIGN AND PERFORMANCE REQUIREMENTS**

2.1 **Design Requirements**

- .1 **Flammable Storage Cabinets:**
 - .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.
 - .2 Consult with the UBC Fire Department and UBC Safety and Risk Services for review of the cabinet size and exact location for each installation.
 - .3 Flammable cabinets must not be vented without risk assessment and approval by the chemical safety officer, UBC Safety and Risk Services.
 - .4 Where venting is approved, units must be visibly and durably labelled as vented at time of installation.
- .2 **Corrosive Storage Cabinets:**

The final selection must be approved by the chemical safety officer, UBC Safety and Risk Services.

- ~~.1 Construction to be similar to the requirements for flammable liquids storage cabinets except as noted below.~~
- .2 Corrosive cabinets must not be vented without risk assessment and approval by the chemical safety officer, UBC Safety and Risk Services
- .3 Where venting is approved, units must be visibly and durably labelled as vented at time of installation.

2.2 Performance Requirements

- .1 Seismic restraints and anchorages shall be engineered to the BC Building Code.

3.0 MATERIALS

3.1 Requirements

- .1 Materials:
 - .1 Products **must meet NFPA Standards** (UBC mandatory, approved, or not approved for UBC projects - typ.).
 - .2 Components
 - .1 Flammable Liquid Storage Cabinet
 - .1 **Cabinets must meet NFPA Standards**
 - .2 **Corrosive** Storage Cabinet
 - .1 **Provide certified cabinets.**
 - .2 **Cabinet signage to conform to UBC Interior Signage Guidelines.**
 - .3
 - .3 Finishes
 - .1 Factory finish.

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