

## 1.0 **MATERIALS AND DESIGN REQUIREMENTS**

### 1.1 **Window Coverings**

- .1 Provide blinds on all windows, either horizontal or vertical, of standard manufacture.
- .2 Use heavy duty commercial quality for offices or labs. Not to be used for classrooms. Curtains, drapes or interior shutters are not to be used except in special circumstances.
- .3 Preferred blinds are 25 mm horizontal or 90 mm vertical.
- .4 For renovation work, match blinds of remainder of building where appropriate. Blinds to be aluminum, clear anodized or paint finish.
- .5 Demonstrate blind operation to UBC Building Operations Store in fully raised position during construction.

### 1.2 **Black-Out Blinds**

- .1 Opaque fabrics to be used for black-out blinds; demonstrate suitability to exterior light conditions and building orientation.
- .2 Side tracks to secure from lateral loads and light-seal blinds, and prevent rattle.
- .3 Demonstrate blind operation to UBC Building Operations Store in fully raised position during construction.
- .4 Black-out blinds are to be fully coordinated to operable windows.
- .5 Blinds density to suit exterior orientation and light.
- .6 Roller type blinds to be specified with chain operator (no cranks).
- .7 Provide side tracks to secure blinds from lateral loads and shall not rattle in tracks.
- .8 Alcoves for blinds to be painted wood trim or pre-finished metal.

### 1.3 ***Motorized Coverings and Blinds***

- .1 *Motorized coverings and blinds shall be provided in AV-enabled spaces at the following locations to improve the user experience in academic or administrative spaces:*
  - .1 *Window size is 60" wide by 60" high or larger, or*
  - .2 *Manual operation is inhibited due to location.*
- .2 *UBC IT Audio Visual or Facilities Planning may determine that motorized coverings or blinds shall be provided despite the minimum requirements such as for security reasons.*
- .3 *Coordinate requirements for power supply conduit and wiring, and integration conduit required for motorized coverings and blinds with Division 26.*
- .4 *Battery powered motorized coverings or blinds is not permitted.*

- .5 *Wall switch shall be provided to control the motorized coverings and blinds separately from the AV system. Switches shall be grouped together where multiple are required.*
- .6 *Integration with a third-party AV control system shall be provided via RS-232 or LAN connection.*
- .7 *Motorized blinds are required to have a local disconnecting means for power. This is required to allow maintenance personnel to work on blinds without involving an electrician to operate a panelboard or hardwired connection. An acceptable disconnecting means for 120VAC systems is a cord connected end into a receptacle. For blinds operating at voltages below 120VAC a cable connector that can be unplugged/plugged without any special tools is acceptable.*

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