

PART 1 - GENERAL

1.1 REFERENCES

- .1 Codes and standards referenced in this section refer to the latest edition thereof.
- .2 National Fire Protection Association (NFPA)
 - .1 NFPA 701: Standard Methods of Fire Tests for Flame Resistant Textiles and Films.
- .3 Canada Green Building Council (CaGBC)
 - .1 LEED Canada 2009 for Design and Construction Leadership in Energy and Environmental Design Green Building Rating System Reference Guide.
- .4 Test Reports:
 - .1 Submit certified test reports showing compliance with specified performance characteristics and physical properties.

1.2 ACTION AND INFORMATION SUBMITTALS

- .1 Submit shop drawings, product data, and samples in accordance with 01 33 00 - Submittal Procedures.
 - .2 Indicate fabric dimensions in relation to window openings and operating hardware.
 - .3 Submit one representative working sample of each type sun control roller shade type.
 - .4 After approval samples will be returned for incorporation into the Work.
 - .5 Submit samples of manufacturer's standard colours for selections by Owner's Representative.
 - .6 Sustainable Design Submittals:
 - .1 LEED Canada Submittals: in accordance with Section 01 35 21 - LEED Requirements.
-

- 1.3 DELIVERY,
STORAGE AND
HANDLING
- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- 1.4 WARRANTY
- .1 Provide a written guarantee stating the sun control roller shades will be free from manufacturer's defects for a period of five (5) years.
- .2 Contractor to provide a two (2) year warranty against defects in installation workmanship.

PART 2 - PRODUCTS

- 2.1 MATERIALS AND
FABRICATION
- .1 Sun control roller shade of tearproof, basket weave fabric 3% open weave, inherently flame retardant; to meet NFPA 101, Class A Rating. Steel stays keep fabric flat and smooth in side channels.
- .1 Shade mounted on one-piece heavy duty steel roller, not less than 38 mm diameter.
- .2 Provide steel headbox at top of opening equipped with hinge cover for access.
- .3 Provide valances wall-to-wall of window recess in front of headbox.
- .4 Mounting: jamb mount, in window recess.
- .5 Antimicrobial fabric: as selected by Departmental Representative from manufacturers full range of colours.
- .6 Fabric colour: as selected by Departmental Representative from manufacturers full range of colours.
- .7 Cord tension device: provide spring loaded cord tension devices.
- .2 Blackout roller blinds.
- .1 As required for sun control shades but for solid weave on glass side.
- .1 Colour: as selected by Departmental Representative from manufacturers full range of colours.
-

- 2.1 MATERIALS AND FABRICATION (Cont'd) .2 (Cont'd)
.1 (Cont'd)
.2 Mounting: mount in tandem with sun control shade.
.1 Tandem mounting brackets 108 mm deep.

- 2.2 OPERATION .1 Equip open weave roller shades with stainless steel right hand bead chain operation.
.2 Equip blackout roller blinds with stainless steel left hand bead chain operation.

PART 3 - EXECUTION

- 3.1 INSTALLATION .1 Install hardware using non-corrosive metal bolts concealed in final assembly.
.2 Install square, plumb, true to line with operable parts adjusted for correct function.
.3 Install in accordance with reviewed shop drawings.

- 3.2 SCHEDULE .1 Install sun control roller shades for all windows at perimeter of building, including sublights and tansoms.
.2 Install blackout blinds in addition to sun control roller blinds for windows of MCTS Operations Room and Shared Boardroom/Training Room.