

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.
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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.
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2.1 MATERIALS AND FABRICATION (Cont'd)  
(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.