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## **PART 1 GENERAL**

### **1.1 REFERENCES**

- .1 National Fire Protection Association (NFPA)
  - .1 NFPA 701: Standard Methods of Fire Tests for Flame Resistant Textiles and Films.

### **1.2 SUBMITTALS**

- .1 Indicate fabric dimensions in relation to existing window openings and operating hardware.
- .2 Submit one representative working sample of each type horizontal louver.
- .3 Submit duplicate samples of manufacturer's standard colours for selection by Departmental Representative.
- .4 After approval samples will be returned for incorporation into the Work.

### **1.2 WARRANTY**

- .1 Provide a written guarantee stating the solar control roller shades will be free from manufacturer's defects for a period of five (5) years from the date of Substantial Completion.
- .2 Contractor to provide a two (2) year warranty from the date of substantial completion against defects in workmanship.

## **PART 2 PRODUCTS**

### **2.1 MATERIALS AND FABRICATION**

- .1 Control system: Adjustment free system shall be provided that is controlled by a nickel-plated, steel ball chain. All plastic components to be made of glass reinforced polyester thermopolymer.
- .2 Bottom weight shall be aluminum. Width of shade less deduction.
- .3 Brackets to be constructed of 1.8 mm thick nickel-plated, cold rolled steel. Brackets are to be reversible for left or right hand installation.
- .4 Shade mounted on one-piece heavy duty steel roller, not less than 38 mm diameter.
- .5 Mounting: between the jamb at window head.
- .6 Valance: open roll.

### **2.2 FABRIC**

- .1 Fire rating: NFPA -701 TM#2, NFPA 101 (Class A Rating). 356 gr/m<sup>2</sup>, 0.43 mm thickness.
- .2 All windows, unless noted otherwise, to be SheerWeave Style 4600 by Phifer Inc. with openness factor approx. 3%.

### **PART 3 EXECUTION**

#### **3.1 INSTALLATION**

- .1 Install hardware using non-corrosive metal toggle 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 Blinds installed on all exterior windows.
- .2 The shades will be up to ceiling. Support brackets to be fixed on the bulkhead at window head. Each section of glass between curtain wall mullions is not required to have an individual shade; however, all glass in each particular office area shall be covered by the shades

#### **3.3 COMMISSIONING**

- .1 Instruct Owner in operation, adjustments, cleaning and maintenance.

**END OF SECTION**