

PART 1 – GENERAL

1.1 RELATED SECTIONS

- .1 Section 06 10 53 – Miscellaneous Rough Carpentry.

1.2 REFERENCES

- .1 National Fire Protection Association (NFPA)
 - .1 NFPA 701-2015: Standard Methods of Fire Tests for Flame Resistant Textiles and Films.

1.3 SUBMITTALS

- .1 Submit shop drawings, product data and samples in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Indicate fabric dimensions in relation to existing window openings and operating hardware.
- .3 Submit one representative working sample of sun control roller shade.
- .4 Submit duplicate samples of manufacturer's standard colours for selection by Departmental Representative.
- .5 After approval samples will be returned for incorporation into Work.

1.4 QUALITY ASSURANCE

- .1 Obtain roller shades through one source for a single manufacturer.
- .2 NFPA Flame-Test: passes NFPA 701. Materials tested shall be identical to products proposed for use.
- .3 Mock-up: provide a mock-up of one of each type of roller shade assembly specified for evaluation of mounting, appearance, and accessories.
 - .1 Locate mock-up in window(s) designed by Departmental Representative.
 - .2 Do not proceed with remaining work until mock-up is accepted by Departmental Representative.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Do not deliver window shades until building is enclosed and construction within space where shades will be installed is substantially complete.
- .2 Deliver products in manufacturer's original, unopened, undamaged containers with labels intact.

- .3 Label containers and shares according to Window Shade Schedule.
- .4 Store products in manufacturer's unopened packaging until ready for installation.

PART 2 - PRODUCTS

2.1 SUSTAINABLE REQUIREMENTS

- .1 Materials and products in accordance with Section 01 47 15 – Sustainable Requirements

2.2 MATERIALS AND FABRICATION

- .1 Sun control roller shade of tearproof, basket wave fabric, 3% - 5% open weave, inherently flame retardant to meet NFPA 701 TM#1 and TM#2, NFPA 101, Class A rating. Fabric antimicrobial. Greenguard Children and Schools Certified.
- .2 Fabric colour as selected by Departmental Representative from manufacturer's full colour range.
- .3 Shade mounted on one piece heavy duty extruded aluminum, galvanized steel, or enameled steel roller. Diameter, wall thickness, and material selected by manufacturer to accommodate shade type and size.
- .4 Provide aluminium cassette enclosure with a hinged non-detachable curved front panel for access. Clear anodized aluminium finish.
- .5 Mounting: between window jambs, not to interfere with window vent operation. Verify all site dimensions.
- .6 Provide spring-loaded cord tension device at each roller shade bead chain.

2.3 OPERATION

- .1 Equip roller shades with stainless steel bead chain clutch operation.

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 Install roller shades to all exterior windows.

3.3 COMMISSIONING

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

END OF SECTION

