

Part 1 General

1.1 SECTION INCLUDES

- .1 Type WC1 chain operated interior roller shade system.
- .2 Roller shades mounted on glazing frame.

1.2 QUALITY ASSURANCE

- .1 Manufacturer shall have a minimum of 5 year's experience in the manufacture of specified shading system.
- .2 All work specified under this section supplied and installed entirely by one subcontractor using his own forces.
- .3 Shades to be installed by a firm, with a minimum of 5 year's experience, specializing in the installation of shading systems.
- .4 Install one complete operating sample with accessories on site. Review the installation with the Departmental Representative before proceeding with the remainder of the work. Adjust sample installation to gain acceptance. Accepted work may form part of the final installation.

1.3 SUBMITTALS

- .1 Provide in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Shop Drawings: Submit fully detailed drawings showing all components, finishes and perimeter construction conditions, installation, controls, and all applicable dimensions.
- .3 Samples:
 - .1 Submit duplicate samples of the specified fabric/shade cloth of each colour and texture; minimum size 200 mm x 200 mm for review.
 - .2 Submit duplicate samples of housing, trim roller tube, hembar and operating hardware brackets for review.
- .4 Closeout Submittals:
 - .1 Submit duplicate copies of operating and maintenance instructions including name and telephone number of local service company.

1.4 COORDINATION

- .1 Verify that all blocking and framing necessary to carry shade assembly hardware is a proper installation and secure.

- .2 Notify Departmental Representative in writing of any deficiencies in the work of other trades that would affect the window treatment system.
- .3 Make accurate measurements at the site before fabrication. Check layout of glazing framing sections, spans, and loading capabilities.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Do not deliver to site until areas to receive shades are completely finished, all walls and ceilings completed and painted.
- .2 Deliver materials in original protective wrappings or containers, with manufacturer s labels and sealed intact.
- .3 Handle and store materials according to manufacturer s recommendations, protecting materials and finishes from damages, marring of finishes or soiling.

Part 2 Products

2.1 ROLLER SHADES

- .1 Roller Shade: Chain operated manual roller shade.
 - .1 Size: Full height of window frame x full width of window frame.
 - .2 Operation: Steel chain operated.
 - .3 Mounting: Face of window frame mounting for full frame coverage.
 - .4 Mounting Hardware: Manufacturer's standard universal brackets including end plug bracket with lock down retainer device.
 - .5 Options and Accessories: Shade tube assembly, housing and fascia, roller shade brackets, bottom hembar and fasteners shall be to manufacturer's standard.
 - .6 Exposed fascia finish: Aluminum finish selected by Departmental Representative from full range.
 - .7 Quantities: Refer to Drawings for locations.

2.2 FABRICS

- .1 Fabric: PVC free vinyl or polyester.
 - .1 Openness: 1% open unless otherwise noted.
 - .2 Colour: Selection by Departmental Representative without restrictions.

2.3 **HARDWARE**

- .1 Mounting Hardware: As recommended by manufacturer' for mounting to aluminum framing.

Part 3 **Execution**

3.1 **FABRICATION**

- .1 Shading system components manufactured and assembled allowing for custom installation techniques to suit project requirements.
- .2 Finished assemblies shall be square, true to size and free from distortion, twist, or other defects that could affect their strength, operation or appearance. Factory applied finished shall be uniform, smooth and without blemishes.
- .3 The fabric shall retain its shape, not be affected by moisture or heat, and shall be nonflammable.

3.2 **INSTALLATION**

- .1 Install work by manufacturer s skilled tradesmen and install in strict accordance with manufacturer s recommendations.
- .2 Mounting brackets to be secured in solid framing or back-up; installation in gypsum board not acceptable.
- .3 All items installed, plumbed, squared, rigidly coupled and adequately anchored, maintaining uniformed clearances, accurate alignment levels, and parallel with the window plane to provide smooth operation without binding. Fabric shall not travel sideways more than 3 mm in either direction.

3.3 **ADJUSTING AND CLEANING**

- .1 Adjust shades and operating components as required to ensure smooth and trouble-free operation without binding.
- .2 Adjust shade and shadecloth to hang flat without buckling or distortion.
- .3 Clean shades and exposed components.
- .4 Replace work which cannot be satisfactorily repaired, adjusted, or cleaned.

END OF SECTION