

PART 1 GENERAL**1.1 SECTION INCLUDES**

- .1 Manually operated roller shades.

1.2 RELATED SECTIONS

- .1 Section 06114 – Rough Carpentry: blocking.

1.3 SUBMITTALS

- .1 Shop Drawings: Indicate end track location, width of window opening, location of blocking for anchors, appurtenances and interferences, adjacent construction, operating hardware, electrical characteristics and connection requirements and support bracket details.
- .2 Samples: provide 300 x 300 sample of each fabric specified.

1.4 MAINTENANCE DATA

- .1 Maintenance Data: Include data for motor, shaft and gearing, lubrication frequency, control adjustments, spare part sources.

1.5 FIELD MEASUREMENTS

- .1 Field measure prior to manufacturing.

1.6 SEPARATE PRICES

- .1 Refer to Bidding Procedures article B9.
- .2 Provide a Separate Price No. 4 for the supply and installation of the roller shades as specified in this Section.
- .3 Indicate Separate Price amount on Form B: Prices.

PART 2 PRODUCTS**2.1 MANUFACTURERS**

- .1 Manual roller shade: Solarfectivve Double 6” manual teleshade system and single teleshade system.

2.2 COMPONENTS (chain operated units)

- .1 Headrails: Extruded aluminum, 38 mm dia. with spline mounting cavities for shade fabric attachment.
- .2 Valence: one piece valance fascia Anodized aluminum.
- .3 Sewn in weight bar.
- .4 Stainless steel chain.

2.3 FINISHES

- .1 Exposed Surfaces: anodized aluminum.

2.4 FABRIC

- .1 Shade (Type 1): Solar shield grey/beige;10%O.A.
- .2 Shade (Type 2): Solar Shield Grey/beige: 5% O.A. .
- .3 Blackout blind: Solar Stop 4 ply blackout fabric; 50 02 Fawn.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Verify existing conditions.

3.2 INSTALLATION

- .1 Install roller blind in accordance with manufacturer's instructions.

3.3 ADJUSTING

- .1 Adjust blind and hardware for smooth operation.

3.4 SCHEDULES

- .1 Double teleshade system with blackout and shade type 1: Rooms 110; 131; 124; 122.
- .2 Single teleshade system with Type 2 shade; Rooms 132; 105; 202; 203; 204; 205; 206; 207; 208; 209.

END OF SECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Horizontal slat louver blinds.

1.2 RELATED SECTIONS

- .1 Section 06114 - Rough Carpentry: wall opening head support blocking.

1.3 SHOP DRAWINGS AND PRODUCT DATA

- .1 Submit shop drawings and product data to requirements of Section 01340.
- .2 Indicate on shop drawings, opening sizes, tolerances required, installation of blind at window opening, method of attachment, clearances and operation.
- .3 Provide product data indicating physical and dimensional characteristics, operating features and colours.

1.4 SAMPLES

- .1 Submit samples to requirements of Section 01000.
- .2 Submit one sample illustrating slat materials, finish and colour.

PART 2 Products

2.1 ACCEPTABLE MANUFACTURERS

- .1 Hunter Douglas: one inch blind. Acceptable manufacturer Contempra Window coverings. 204-661-9018 – Don Michalski.
- .2 Other acceptable manufactures:
 - .1 Levelor.
 - .2 New View.
 - .3 Abbey.

2.2 MATERIALS - HORIZONTAL LOUVRE BLINDS

- .1 Slats: Shall be copper free, non-corrosive aluminum alloy, 8 gauge; spring tempered; width 25 mm.
- .2 Ladderbraids and Lifting Cords: The lift cord shall be 1.4 mm diameter terylene yarn having a reinforced core. The ladderbraid shall be made from terylene yarn. The distance between supporting web shall be 20 mm; horizontal distance between the ladders shall be 27 mm. Standard distance from slat end to first ladderbraids is 150 mm. If only 2 ladderbraids the distance between the ladderbraids must not exceed 500 mm. If more than two ladderbraids, the intermediate distance must not exceed 600 mm. The lifting cords and the ladderbraids can be supplied in colours toning with the slats, head and bottom rail

- .3 Head Rail: Shall be a rolled U-shaped profile provided with turned-in edges serving as reinforcement for the profile and securing grip-edges for the fixing brackets. The profile measures 25 x 25 mm. The material shall be either 0.4 mm steel or 0.5 mm aluminum. Before roll forming the material shall be chemically pretreated and stove-enameled to obtain maximum adherence of the paint and resistance to corrosion. The profile shall be constructed to carry the venetian blind slats, bottom rail, and to hold its lifting and tilting components. Head rail end caps in toning colours to be supplied.
- .4 Bottom Rail: Shall be made in two rolled, open profiles which shall be fitted together. The two profiles shall form a single bottom rail 30 mm wide and 12.5 mm high. The head rail shall be of 0.5 mm aluminum or 0.4 mm steel. The double bottom profile shall be of 0.5 and 0.5 mm aluminum or 0.4 and 0.5 mm steel. Before roll forming the material shall be chemically pretreated and stove-enameled to obtain maximum adherence of paint and resistance against corrosion. The profiles shall be designed to contain the fixing components for the lifting cords and ladderbraids. The bottom rail shall be provided at each end with plastic end caps available in colours toning with the bottom rail.
- .5 Tilt rod Bearing: Shall be made from self-lubricating plastics of high quality. The tilt rod bearing shall have a positive tilt action made from galvanized steel plate. The tilt rod bearing shall have a lifting cord slide of galvanized steel to ensure the easiest possible raising and lowering of the venetian blind.
- .6 Cord Lock/Tiltor: Shall be made from glass-reinforced plastics and constructed with two separate cord channels each designed for two lifting cords. Easy raising and lowering shall be effected by cord pulleys. The locking function shall keep the venetian blind firmly in any desired position and shall be crash-proof, i.e. able to function immediately when the cords are released. The cord lock shall hold a tiltor consisting of one set of bevel gears made from self-lubricating plastics. The cord lock shall be provided with a protection clamp made from stainless steel to protect the lifting cords from wear and tear. The cord lock can be designed for placing in the right or left side of the venetian blind and shall be supplied in colours toning with the colour of the headrail.
- .7 Tilt rod: Shall be of 5 mm hexagonal axle. The tilt rod shall be made from galvanized steel
- .8 Fixing Brackets: Fixing brackets to be made from galvanized steel and provide secure, easy and quick mounting of the venetian blind. The brackets shall allow the venetian blind to be easily removed for cleaning. The necessary number of fixing brackets appears in the table shown below. The fixing brackets are to match colour tone of head rail.
- .9 Valance: The venetian blind to be supplied with valance consisting of slats firmly secured by a clip of limp plastic to cover head rail.
- .10 Hold-down: A fitting to secure the venetian blind bottom rail by means of hold-down bracket to be supplied and shall be made from plastic.

- .11 Operation: The raising and lowering of the venetian blind shall be achieved by operating the lifting cords which are locked firmly in the desired position by the cord lock. Lowering shall be smooth and uninterrupted regardless of the size of the blind. The tilting of the blind shall be by means of a clear plastic adjustment rod provided with a cardan joint, which allows the blind to be operated from any angle through 0-90 degrees. The joint shall be provided with a snap lock ensuring easy fitting and removal, and friction free connection to the tilting mechanism of the cord lock.

2.3 FINISHES

- .1 Exposed Metal: enamel finish; colour to be 270 linen.
- .2 Concealed Metal: 1 coat CGSB-1-GP-81e baked primer.

PART 3 EXECUTION

3.1 INSPECTION

- .1 Verify that surfaces and openings are ready to receive the Work.
- .2 Do not commence fabrication until opening measurements are as shown on drawings - Site measure.
- .3 Ensure structural supports are correctly placed.
- .4 Beginning of installation means acceptance of existing surfaces.

3.2 INSTALLATION

- .1 Install blinds in accordance with manufacturer's instructions.
- .2 Secure in place with concealed fasteners.
- .3 Mount vertical blinds according to standard industry practice for mounting over electric base heaters.

3.3 INSTALLATION TOLERANCES

- .1 Maximum offset from level: 3mm.

3.4 ADJUSTING

- .1 Adjust blinds for smooth operation.

3.5 CLEANING

- .1 Clean blind surfaces just prior to occupancy.

3.6 **LOCATION SCHEDULE**

- .1 Horizontal Blinds: located on interior windows / sidelights in rooms 108; 124; 127 and rooms 202 to 209 inclusive.

End of Section