

## 1.0 GENERAL CONDITIONS

### 1.1 SCOPE OF WORK

- .1 The Work to be done under this Contract shall consist of the removal and disposal of existing roller blinds and the supply and installation of new Roller Blind System as specified herein.

## 2.0 MATERIALS

### 2.1 PRODUCT DESCRIPTIONS

#### **SUNPROJECT DEKO S-70 ROLLER BLINDS**

- .1 **ACCEPTABLE PRODUCTS:** ALTEX SunProject Model - DEKO Lite - Lift S-70 Cassette Roller Blind System or an approved equal in accordance with B7.

- .2 **OPERATING SYSTEM:** The unit shall consist of a tension activated lifting mechanism providing easy lift action utilizing a multi-layer coil spring system. The lifting mechanism must contain a memory lock, which shall maintain pre-tensioning when the shade is removed from the bracket, and shall not require re-tensioning when shade is re-inserted into the bracket. The multi-layer coil spring mechanism must be free-floating along a grooved non-drive mechanism must be reversible for future alterations and maintenance on site.

Special designed internal tension idler (I.T.I.) limiter automatically adjusts and controls the amount of torque and speed ratio in order to provide a constant smooth operation of the shade system regardless of width and height.

Drive sprocket must contain a planetary gear system for increased operational performance, speed ratio control, smoothness of lift, and balance to the chain and shade system.

Operating system easy lift action shall alleviate stress on the chain in order to avoid any chain breakage.

Shade mechanism must not be able to be stripped or damaged.

Noise reduction seals must be used for sound isolation and absorption of the mechanism.

- .3 **ASSEMBLY:** Shade unit shall be supplied to site fully assembled in one piece fully extruded aluminum cassette closed on all six sides, top, back, sides, and bottom return with plastic injected molded end caps.

- .4 **SHADE ROLLER TUBE:** Rigid roller tubes shall be all aluminum extruded available in 38mm with reinforced internal ribs to provide maximum span without tube deflection. Tube sizes will depend on shade size.

- .5 **TUBE END PLUG:** Internal tension idler limiter automatically adjusts and controls the amount of torque being generated for constant smooth operation of the shade system. The I.T.I. must automatically release during down-travel, and automatically engage during up-travel of the shade system.

Concealed locking fastener must lock the tube and end pin of the shade tube to prevent accidental disengaging of the roller assembly.

- .6 **OPERATING CHAIN:** Shall be No. 10 qualified heavy duty stainless steel bead chain 90 lb. load test.

- .7 **EXTERIOR OVAL HEM CAR CLEAR ANODIZED:** Shall be extruded aluminum with recess to secure fabric without visible seams. End plugs shall be screwed securely on ends showing no exposed aluminum.
- .8 **CHAIN HOLD DOWN:** Optional operating chain shall be fully secured to SP chain holder.
- .9 **HIDDEN MOUNTING BRACKETS:** Shall be aluminum construction capable of interchangeable mounting bracket designed for ceiling or wall mount. Secure screw in locking system to ensure no disengaging of the shade or bracket once fixed.
- .10 **CASSETTE BOX:** Shall be slim line design as one piece aluminum extruded box closed on all four sides, top, back, sides and bottom return. Cassette section to be 70mm in square profile. Cassette section with internal groove to accommodate a self-cleaning brush. Wall thickness to be 1.52mm. Cassette ends caps shall be 2mm. Delrin plastic with four countersunk flat headed screw holes. Cassette to have removable closure panel for reverse roll.

### 3.0 **FABRICS:**

- .1 Fabric Texscreen 9103 – 3%  
Colour Selection: To be determined by Contract Administrator.

#### .2 **DELIVERY, STORAGE AND HANDLING**

All materials shall be free of damage when delivered to site. Protect all Work with suitable heavy wrapping before delivery to the Site. Maintain protection until final clean up.

Protect the Work of this Section from damage resulting from the removal and disposal of existing roller blinds and carpeting.

#### .3 **SITE CONDITIONS**

Contractor shall check and verify all dimensions at the site prior to fabrication.