

**SECTION 12 20 00
WINDOW TREATMENTS**

PART 1 - GENERAL

1.01 SCOPE:

- A. Provide all of the labor, materials, equipment, and services required to furnish and install the shades.

1.02 SUBMITTALS:

- A. Prior to installation, submit to the Architect for review the following:
 - 1. Manufacturer's literature the describing shades plus mounting details. Include written data describing the physical characteristics, strength, operation, mounting, shade orientation, configuration resistance to fading and flame resistance and accessories.
 - 2. Fabric physical sample: All colors and textures for Architect's selection.
 - 3. Detailed wiring diagrams and schematics.

1.03 PROJECT CONDITIONS:

- A. Field measurements: Check actual locations of walls and other construction to which metal fabrications must fit by accurate field measurements before fabrication. Show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.04 WARRANTY:

- A. Product shall be free of manufacturing defects and will meet the manufacturer's intended use for the specified warranty period. Limited lifetime warranty on all hardware and shade cloths.

PART 2 - PRODUCTS

2.01 SHADES:

- A. Product/manufacturer:
 - 1. Manually operated MechoShade as manufactured by MechoShade Systems.
 - 2. Or an approved equal.
- B. Description:
 - 1. Shade cloth:
 - a. Conform to Fed. Spec CCC-C-521E for fire retardency, NFPA 701 large-scale requirements. Antimicrobial without topical treatment, NY State Fire-Gas Toxicity Test: LC50 22.5 g.
 - b. ASTM E-84-90, Flame spread 17, smoke density index 118.
 - c. shade cloth seconds or shade cloth manufactured using reprocessed materials are not acceptable.
 - d. Sunscreen material: ThermoVeil 1300 group sunscreen, dense vertical weave, 5% openness factor.

- e. Shade cloth: Single sunscreen shadeband with specified weave in accordance with glazing needs.
- 2. Manual operation, chain drive:
 - a. Mecho/5 system: Pre-engineered overrunning clutch design that disengages to 90% during the raising and lowering of the shade. The brake can stand a pull force of 40 lbs. for a 10 lb. shade in the stop position. Requires no adjustment, resulting in faster installations. The drive assembly, the idle-end assembly, and the center support systems are attached to the 1/8" steel universal mounting bracket. Selflubricating hub on to which the brake system is mounted includes an articulated brake assembly which assures smooth, non-jerky operation in raising and lowering the shades.
 - b. In both systems the shade cloth shall be removable with a snap-on and snap-off mounting (Snap-Loc) spline without having to remove the shade tube.
 - c. Provide for offset chain placement so that the drain chain shall drop behind the return edge of the fascia. Include a chain retainer to secure the operating chain at the sill.
- 3. Fascia:
 - a. Continuous removable extruded aluminum fascia that attaches to shade mounting brackets without the use of adhesives, magnetic strips, or exposed fasteners.
 - b. Fascia shall be able to be installed across two or more shade bands in one piece.
 - c. Fascia shall fully conceal brackets, shade roller and fabric on the tube.
 - d. Provide bracket / fascia end caps where mounting conditions expose outside of roller shade brackets.
 - e. Notching of Fascia for manual chain shall not be acceptable.

PART 3 - EXECUTION

3.01 INSTALLATION:

- A. Installation shall be in accordance with the approved submittals and the manufacturer's instructions.
- B. Completed installation shall be straight and true to the wall.

- END OF SECTION -