SECTION 12 24 13 – ROLLER WINDOW SHADES (Variance Required)

1.1 PRODUCTS, GENERAL

A. Fire-Test-Response Characteristics: Passes NFPA 701.

B. Motorized Operators: ***Listed and labeled as defined in NFPA 70.***

C. Product Safety Standard: Fabricate roller shades to comply with WCMA A100.1.

D. Roller shades can increase the solar heat gain into the room or reflect sunlight away from the room. Consider heat gain, daylighting and window glazing when specifying shade type, color and material. Reference the “ASHRAE HANDBOOK – Fundamentals” for more detailed information.

1.2 ROLLER WINDOW SHADES PRODUCTS

A. Shade Band Materials:

1. PVC-coated fiberglass.
2. PVC-coated polyester.
3. Woven PVC-coated fiberglass and PVC-coated polyester blends.
4. Fiberglass and acrylic blend.
5. Thermoplastic Olefin (TPO).

B. Rollers: Electrogalvanized or epoxy primed steel or extruded-aluminum tube.

C. Installation Accessories: Exposed headbox or fascia with end caps; fascia, end caps, and top/back cover; pocket-style headbox with bottom cover or pocket with ceiling slot opening.

D. Shade Type: Light-filtering fabric, audiovisual-light blocking fabric or skylight.

E. Shade Operation: Manually-operated single and double-roller shades.

1. Cordless Precision Lift Operating Mechanisms.

a **Cordless Precision Lift:** Spring-loaded and safely operated by manually pushing or pulling the bottom rail.

F. Shade Operation: Motor-operated single and double-roller shades.

1. Electric Motor: Tubular, enclosed in roller.

2. Operation: Keyed control station with crank-operator override and limit switches.

1.3 SUSTAINABLE DESIGN SUBMITTALS

A. Provide documentation supplied by the manufacturer regarding the product’s sustainable characteristics. Such documents include, but are not limited to: EPDs, FSC Certifications, HPDs and VOC Emissions Certifications. The intent is to aid in the selection of more sustainable products and materials.

END OF SECTION