

## SECTION 11132

### PROJECTION SCREENS

#### PART 1 - GENERAL

##### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

##### 1.02 SUMMARY

- A. This Section includes front projection screens.

##### 1.03 SUBMITTALS

- A. General: Submit in accordance with Section 01300.
- B. Product Data: For each type of screen indicated.
- C. Shop Drawings: Show layouts and types of projection screens. Include the following:
  - 1. Location of screen centerline relative to ends of screen case.
  - 2. Location of seams in viewing surfaces.
  - 3. Drop length.
  - 4. Anchorage details.
  - 5. Accessories.

##### 1.04 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver projection screens until building is enclosed and other construction within spaces where screens will be installed is substantially complete and ready for screen installation.

#### PART 2 - PRODUCTS

##### 2.01 MANUFACTURERS

- A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:
  - 1. Products: Subject to compliance with requirements, provide one of the products specified.

##### 2.02 FRONT-PROJECTION SCREENS

- A. Manually Operated Screens, General: Manufacturer's standard spring-roller-operated units, consisting of case, screen, mounting accessories, and other components necessary for a complete installation.
  - 1. Screen Mounting: Top edge securely anchored to a **3-inch (75-mm)** diameter, rigid steel roller; bottom edge formed into a pocket holding a tubular metal slat, with ends of slat protected by plastic caps, and with a saddle and pull attached to slat by screws.
- B. Surface-Mounted, Metal Encased, Manually Operated Screens: Units designed and fabricated for surface mounting on wall or ceiling, fabricated from formed steel sheet not less than **0.027 inch (0.7 mm)** thick or aluminum extrusions; with flat back design and vinyl covering or baked-enamel finish. Provide end caps and universal mounting brackets, finished to match end caps.
  - 1. Products:
    - a. Da-Lite Screen Co., Inc.; Model C.

- b. Draper Inc.; Luma 2.
- C. Screen Material and Viewing Surface:
  - 1. Matte-White Viewing Surface: Peak gain of 0.9 to 1.0, and gain of not less than 0.8 at an angle of 50 degrees from the axis of the screen surface.
    - a. Products:
      - 1) Da-Lite Screen Co., Inc.; Matte White.
      - 2) Draper Inc. Fiberglass Matte White.
  - 2. Mildew Resistance: Rating of 0 or 1 when tested according to ASTM G 21.
  - 3. Flame Resistance: Passes NFPA 701.
  - 4. Flame-Spread Index: Not greater than 75 when tested according to ASTM E 84.
  - 5. Seamless Construction: Provide screens, in sizes indicated, without seams.
  - 6. Edge Treatment: Without black masking borders.
  - 7. Size of Viewing Surface: 6 feet high by 8 feet wide, unless otherwise noted.

### PART 3 - EXECUTION

#### 3.01 INSTALLATION

- A. General: Install projection screens at locations indicated to comply with screen manufacturer's written instructions.
- B. Install front-projection screens with screen cases in position and in relation to adjoining construction indicated. Securely anchor to supporting substrate in a manner that produces a smoothly operating screen with vertical edges plumb and viewing surface flat when screen is lowered.
  - 1. Test manually operated units to verify that screen operating components are in optimum functioning condition.

#### 3.02 PROTECTING AND CLEANING

- A. After installation, protect projection screens from damage during construction. If damage occurs despite such protection, remove and replace damaged components or entire unit as required to provide units in their original, undamaged condition.

END OF SECTION