

SECTION 11131  
PROJECTION SCREENS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 specification section, apply to work of this section.

1.2 SECTION INCLUDES:

- A. Extent of projection screens is shown on drawings.
- B. Types of projection screens required include:
  - 1. Electrically operated, remote controlled units.
  - 2. Manually operated units.
  - 3. Recessed, ceiling mounted units.
  - 4. Surface mounted units.
- C. Electrical wiring, connections, and installation of remote control switches for electrically operated projection screens are included in Division 16.

1.3 QUALITY ASSURANCE

- A. Provide each type of projection screen as a complete unit produced by a single manufacturer including necessary mounting brackets, accessories, fittings and fastenings.

1.4 REFERENCES

- A. NFPA 255: Standard Test Methods of Surface Burning Characteristics of Building Materials

1.5 SUBMITTALS

- A. Product Data: Submit copies of manufacturer's specifications and installation instructions for each type of projection screen unit.
- B. Shop Drawings: Submit complete shop drawings indicating method of attachment to actual construction including end details and necessary coordination to finish surfaces.

1.6 DELIVERY, STORAGE & HANDLING

- A. Do not deliver projection screens until building is enclosed and ready for screen installation. Protect screens from damage during delivery, handling, storage and installation.

PART 2 PRODUCTS

2.1 ELECTRICALLY OPERATED, AUTOMATIC RECESS CLOSURE SCREENS

- A. Provide screen units completely housed in a metal-lined wood case, listed by UL and bearing re-examination markers of UL. Mount top of screen fabric to metal roller, with roller supported on brackets with self-aligning bearings.

- B. Screen Case: Metal-lined motor compartment, with hinged or removable access panel to motor compartment, electrical outlet box and finished with manufacturer's standard prime coat. Equip case with hinged bottom connected to drive mechanism for automatic opening and closing with raising and lowering of screen surface. Mount hinges to allow alignment of bottom panel to adjacent ceiling surface.
- C. Motor Unit: Size and capacity recommended by the screen manufacturer. Use instant reversing, gear drive motor with permanently lubricated ball bearings, automatic thermal overload protection, and preset limit switches to automatically stop screen in "up" and "down" position. Provide a 3-button remote control switch ("up", "down", and "stop") in a box with cover plate for flush wall-mounting. Stop action to be positive to prevent coasting.
- D. Screen Fabric: Manufacturer's standard, flame retardant and mildew-resistant fiberglass with glass beaded picture surface:
  - 1. Black masking borders with top extension as required for proper image positioning.
  - 2. Screen Size: 12' x 12'.
- E. All exposed materials shall be Class A rated per NFPA 255.

## 2.2 MANUALLY OPERATED SCREENS

- A. Provide projection screen units for type of mounting shown, housed in baked enamel finished metal case with universal mounting brackets.
  - 1. Screen Fabric: Manufacturer's standard, flame-and mildew-resistant, as follows:
    - a. Black masking borders.
    - b. Screen Size: 6' x 8'.
- B. For units over 6' x 8' size, permanently mount top of screen fabric to ball bearing, rigid steel spring roller, and with bottom of screen fabric formed into pocket enclosing tubular steel slats.
- C. All exposed materials shall be Class "A" rated per NFPA 255.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Install projection screen units and accessories at locations shown in accordance with manufacturer's instructions. Install level, plumb, secure, and at proper height. Coordinate with other trades for securing projection screen units to finished surfaces. Repair or replace damaged units as directed by Architect.
- B. Provide protections for installed units so that they will be in perfect operating condition, without damage at completion of project.

### 3.2 INSPECTION

- A. Inspect all screens for dirt, damage and blemishes. Replace screens or units that do not perform as intended.

END OF SECTION