

**SECTION 11 52 13
PROJECTION SCREENS**

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Section Includes:
 - 1. Manually operated exposed mounted projection screens.
 - 2. Related accessories.
- B. Related Sections:
 - 1. Section 06 10 00 - Rough Carpentry: In wall blocking.
 - 2. Section 09 21 16 - Gypsum Board Assemblies.
 - 3. Section 09 51 00 - Acoustical Tile Ceilings.

1.2 SUBMITTALS

- A. Shop Drawings: Submit manufacturer's detailed drawings concealed mounting.
- B. Product Data: Submit manufacturer's product data on materials, finishes and operation of unit.
- C. Manufacturer's Installation Instructions: Submit detailed installation instructions including rough-in measurements.

1.3 CLOSEOUT SUBMITTALS

- A. Submit parts catalog with complete list of equipment replacement parts; identify each entry with equipment description and identifying code.
- B. Submit technical information for servicing operating equipment.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver projection screens after building is enclosed, other work within spaces where screens are to be installed is substantially complete, and installation of screens is ready to take place.
- B. Protect projection screens from damage before, during and after installation.

Part 2 - products

2.1 GENERAL

- A. General: Provide manufacturer's standard UL-listed and marked units consisting of case, screen, mounting accessories and other components as required for a complete installation and complying with requirements indicated for screen surface and for case and screen under description of operating and type.
- B. Viewing Surface of Screen: Comply with the following requirements for type of viewing surface.

1. Glass beaded viewing surface with minimum gain characteristics complying with FS GG-S-00172D(1) for Type C screen surface.
- C. Power Operated Screen: Unit designed and fabricated for wall surface installation and complying with the following requirements:
 1. Screen Case: Recessed unit with self closer, Fabricated in one piece from 22 gage steel with flat back design with white baked enamel finish, with end caps forming mounting brackets.
 2. Screen: Mildew and frame resistant vinyl coated glass fiber or polyvinyl fabric with viewing surface of glass beaded design, with top edge mounted on, and securely anchored to 76.2 mm (3 inch) diameter rigid metal roller supported by vibration and noise absorbing supports and bottom edge formed into a pocket holding a 38 mm (1½ inch) tubular steel slat, with ends of rod protected by vinyl caps.
 - a. Size of Viewing Surface: 1828.8 mm x 1828.8 mm (6 feet wide x 6 feet high).
 - b. Provide 50.8 mm (2 inch) wide black border.
 3. Ceiling Mounting Brackets: Steel non-adjustable type with white powder coat finish recess in ceiling.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify rough-in opening and conditions are acceptable.

3.2 INSTALLATION

- A. Install projection screens at location indicated on Drawings.
- B. Coordinate installation with ceiling finishes for application of ceiling finish to screen case bottom panels.
- C. Securely anchor to supporting substrate.
- D. Install to produce smoothly operating screen with plumb and straight vertical edges and plumb and flat viewing surfaces when lowered.

3.3 ADJUSTING AND CLEANING

- A. Adjust installed unit for smooth and balanced operation.
- B. Remove protective coverings from finished surfaces. Clean surfaces and components ready for inspection.

3.4 PROTECTION OF FINISHED WORK

- A. Do not permit use of projection screens after installation.

- - - E N D - - -