DIVISION 11 – EQUIPMENT

SECTION 11 5213 – PROJECTION SCREENS

1. General: This section outlines the requirements for projection screens that are provided as part of the project.

2. Design Considerations:
   a. Projection screens, both manual and motorized, shall typically be provided as part of the base bid scope of work and not part of the furnishings, fixtures and equipment (FF&E).
   b. Architect/Engineer shall review options with the NU Project Manager during the design phase of the project and coordinate power and/or data requirements.

3. Quality Assurance: Obtain each type of projection screen required from a single manufacturer as a complete unit, including necessary mounting hardware and accessories.

4. Projection Screen Surfaces, General: Obtain screens manufactured from mildew and flame resistant fabric of type indicated for each type of screen specified and complying with the following requirements:
   a. Normally provide matte white viewing surface with minimum gain characteristics complying with FS GG S 00172D (1) for Type A screen surface.
   b. For larger rooms provide glass beaded viewing surface with minimum gain characteristics complying with FS GG S 00172D (1) for Type C screen surface.

5. Electrically Operated Front Projection Screens: Single Station Control: Three position, UL listed control switch for each screen with metal device box and cover plate for flush wall mounting and for connection to 120 V a/c. power supply.
   a. Motor Operated Screens with Automatic Closure: Units designed and fabricated for recessed installation in ceiling with bottom of case composed of two panels fully enclosing screen and wiring compartments, one panel hinged and activated by operation of screen to open and close automatically when screen is lowered and fully raised and the other panel removable or operable for access to interior of case.
   b. Offset mount bottom panels to case in position where their bottom surfaces will align flush with finished surface of adjoining ceiling and the bottom edges of case surrounding panels will be recessed by the depth of, and concealed behind, overlapping ceiling finish.

6. Manually Operated Front Projection Screens: Provide case, screen, mounting accessories and other components as required for a complete installation and complying with descriptive requirements indicated below.
a. Spring Roller Operated Projection Screens: Units designed and fabricated for wall or ceiling installation and complying with the following requirements:

b. Screen Case: Fabricated in one piece from not less than 22 gage steel with flat back design, vinyl covered or baked enamel finish, and end caps with integral roller brackets and furnished with universal mounting brackets in finish matching end caps to enable attachment to wall or ceiling.

END OF SECTION