PART 0 DESIGN STANDARDS

0.01 GENERAL DESIGN GUIDELINES

A. Standard classroom projection screens

1. Standard classroom screen equipment is normally furnished and installed under a separate contract, except that blocking in hollow partitions is provided under the construction contract. Coordinate with the DPS Project Manager.
   a) Manually operated
   b) Typically 70” x 70”
2. Structural blocking in partitions shall be provided under the general construction contract.
   a) Locate standard projection screens centered above the marker board at the front of the classroom unless otherwise directed by the DPS Project Manager, or unless another location provides a more optimal viewing angle.
   b) In hollow partitions, provide 2” x 10” continuous wood blocking for full length of marker board at the front of each classroom. Coordinate height of blocking so that the bottom of a typical standard screen is at least 48 inches above the floor.

B. Projection screens for large meeting and assembly spaces

1. Each large meeting or assembly room (over 900 square feet) shall receive a large screen, including but not limited to computer labs, auditorium, library, and cafeteria/cafetorium.
2. These projection screens are normally provided under the general construction contract.
3. Large projection screens may be manually operated or motorized.
4. Follow manufacturer’s guidelines for screen sizing.
   a) Minimum size for auditorium screens: 72” diagonal (confirm dimensions with DPS Project Manager)
   b) Bottom of screen should come to within two (2) feet of stage floor in auditoriums.
5. Design proper structural bracing and supports for large projection screens.
6. Coordinate type of mounting so screen operation is not impeded by other wall mounted equipment, curtains, partitions, etc.
7. Coordinate recessed projection screens with ceiling conditions.
8. Locate screens behind curtains where curtains are present.
9. Coordinate location and installation for easy access and maintenance.

C. Motorized projection screens

1. Coordinate with DPS Project Manager where motorized projection screens may be required.
2. Coordinate electrical service.
3. Place controller in an easily accessible location near the screen, but not obstructed when in the down position.
4. Operation of electric units shall be by key only, with controller having up, down, and off positions.
5. Coordinate optimum location of motor and factor motor size when centering the screen.

D. Acceptable manual operation projection screens

1. Standard spring-roller pull down
2. Tab tensioned spring-roller pull down
3. Crank operated pull down tab-tensioned spring-roller

E. Acceptable motorized projection screens
   1. Surface mounted
   2. Concealed, ceiling mounted

PART 1 GENERAL No standards

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Approved projection screen manufacturers
   1. Da-Lite
   2. Draper

2.02 MATERIALS

1. Screen surfaces flame resistant, washable, and mildew resistant
2. Screen composition 100% vinyl or glass fiber
3. Screen surface
   a) Glass beaded
   b) High definition grey
4. Cases factory painted from available colors
5. Black edge masking
6. Extra drop only as required
7. Open slot types only; trap doors are prohibited

PART 3 EXECUTION

3.01 SPARE PARTS AND TOOLS

A. Provide one set of spare screen operating keys for motorized screens.

END OF SECTION 11132