



## Equipment and Furnishings

### Examples - Equipment and Furnishings

- Theater and stage equipment
- Projection screens
- Athletic Equipment
- Educational casework
- Science casework
- Telescoping bleachers

### Performance Guidelines - Equipment and Furnishings

- The K-12 school environment requires special needs for equipment and furnishings
- These items must be strong and sturdy to last many decades
- Manufacturers must specialize in these areas to meet the broad age range of students
- Safety of their products is essential and they must meet standards, codes, and accessibility guidelines
- With casework, environmentally preferable product alternates should be utilized, such as oriented strand board (OSB) and recycled plastic
- Equipment and furnishings must be as maintenance-free as possible and easily cleaned



## Theater, Stage, Projection Screens, and Athletic Equipment

### Examples

- Theater and stage equipment
- Projection screens
- Athletic equipment

### Construction Standards - Theater, Stage, and Athletic Equipment and Projection Screens

1. Material: woven velour fabric.
2. Fabrics shall be flame resistant.
3. Curtain tracks as recommended by manufacturer
4. Stage rigging and fire curtain systems shall meet all fire and life-safety codes and OSHA safety requirements

### Performance Guidelines - Theater, Stage, and Athletic Equipment and Projection Screens

- Theater-electrically operated projection screen: 3 position control switch with metal device box for flush wall mounting and for connection to 120v, AC power supply; screen same as manual screen
- Manual, front projection screen: matte white, vinyl coated glass fiber fabric complying with FSGG-5-00172D for Type A screen surface; 80 inches by 60 inches in classrooms
- Athletic equipment to comply with National Federation of State High School Associations
- Basketball backboards: 72 inch by 42 inch, ½ inch thick transparent, tempered glass
- Wall-mounted safety pads: 14 ounce PVC coated polyester or nylon reinforced PVC fabric; pad cover over 2 inches, 6 lb. density polyurethane over composite panel

## Educational Casework and Bleachers

### Examples

- Educational casework
- Science casework
- Telescoping bleachers

### Construction Standards - Educational Casework and Bleachers

1. Formaldehyde free and low VOC
2. Casework shall conform to ADA guidelines and state and local regulations
3. Countertops shall not deflect more than  $\frac{1}{4}$  inch when a 100 lb. /ft. load is applied
4. Shelving shall be capable of supporting 25 lbs./sq.ft.
5. Countertops shall be .048 inch thick plastic laminate conforming to NEAM HG5
6. Exposed surfaces shall be .028 inches thick plastic laminate conforming to NEMA NG5
7. Hardware: conform to ADA; standard finish, commercial quality, heavy duty
8. Provide (1) year warranty on casework
9. Lab casework: solid wood and plain sliced veneer plywood, or high pressure plastic laminate NEMA LD3
10. Countertops: 1 inch thick, epoxy resin and cast epoxy resin sinks
11. Locks: cylinder type, 5 disk tumbler mechanism
12. Hinges: 5 knuckle with hospital tips, .090 inch steel, 270 degree swing complying with BHMA 156.9, Grade 1
13. Telescoping bleachers shall comply with NFPA 102, Chapter 5, "Folding and Telescopic Seating"
14. Provide five (5) year warranty for bleachers

### Performance Guidelines - Educational Casework and Bleachers

- Maximize use of recycled/recyclable materials
- Consider local materials (within 500 miles)
- Consider molded polyethylene plastic seats