

SECTION 12710

FIXED MOLDED PLASTIC SEATING

PART 1 GENERAL

NOTE TO SPECIFIER: This section applies to elementary and middle schools.

1.01 SUMMARY

- A. Section Includes: Fixed plastic molded seating including necessary accessories.
- B. Related Section.
 - 1. Division 16 - Electrical Work.

1.02 SUBMITTALS

- A. Submit properly identified product data and instructions for operation and maintenance of chairs before starting work.
- B. Shop Drawings: Submit dimensioned seating plans showing quantity of seating, staggered layout of seating units, chair sizes, aisle widths, method of installation with each anchorage condition, and other data pertinent to installation of seating.
- C. Samples:
 - 1. Submit full color range of plastic seats for selection.
 - 2. Submit full color range of plastic laminate for table arm and arm rests.
 - 3. Submit full color range of baked enamel finish for exposed steel components.
- D. Seating Sample: After selection of color samples, submit one full size sample of actual chair, using colors selected by A/E, including tablet arm, center and end panels, number and letter plates, aisle lights, and anchoring devices that will be returned upon substantial completion.

1.03 QUALITY ASSURANCE

- A. Seating manufacturer and installer must be regularly engaged in the design, manufacturing, and installation of the type of seating specified for a minimum of 10 years.

Project Name
Project No.

**M-DCPS MASTER
SPECIFICATION GUIDELINES**

July 01
12710 - 1

1.04 WARRANTY

- A. Manufacturer's warranty of 5 years on all materials and manufactured parts or assemblies.
- B. Installer's warranty on construction for a period of 1 year.
- C. Submit a written product warranty and construction warranty to the Board before substantial completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Fixed Plastic Molded Seating:
 - 1. Patriot 3030 by Irwin Seating Co., Grand Rapids, MI.
 - 2. Accepted equivalent.

2.02 EQUIPMENT

- A. Seating:
 - 1. Fixed floor mounted, plastic seat and back, with and without folding tablet arms.
 - 2. Chair height 32-1/2".
 - 3. Chair widths shall be determined by shop drawing seating layout, with all components and accessories required for a complete installation. Widths shall be at least 20 inches wide, as measured from centerline to centerline.
 - 4. Back and seat shall be plastic, fabricated of a one piece double wall construction. Plastic shall be high density and high impact resistance linear polyethylene with textured surface. Chair backs shall be of long back design. Color shall be integral and treated with anti-static agents.
 - 5. Arm rests of hardwood or hardwood and plastic laminate surfaces of color as selected by A/E with painted edges and minimum 1/4" radius at exposed corners and edges.
 - 6. Folding tablet arms: 5/8" thick 5 ply hardwood plywood with painted rounded edges and plastic laminate surfaces of color as selected by A/E. Tablet arms shall be attached with manufacturer's standard steel supports. Provide tablet arms for every other seat. Include 10 percent left-hand tablet arms located as directed and with remainder of tablet arms of right-hand type.
 - 7. Equip each chair with self lifting springs.
 - 8. Rows shall have letter identification plates on the aisle arm rests or end panels and seats shall have

- unique number identification plates.
9. Pedestal Aisle and End Standards: Floor mounted, 14 gage minimum, steel column and hardwood panel with plastic laminate finish of color as selected by A/E. Column shall have manufacturer's standard steel plates and shoes for attachment to chair and to concrete floor.
 10. Pedestal Center Standards: Floor mounted, 14 gage minimum, steel column. Column shall have manufacturer's standard steel plates and shoes for attachment to chair and to concrete floor.
 11. Aisle Lights: Manufacturer's standard factory prewired, complete with utility box, light socket, light bulb, and detachable aisle light cover, louvered and flush with the standard. Aisle lights shall be UL approved. Coordinate tablet arm locations with aisle lights.
- B. Fastenings: Expansion bolts as recommended by manufacturer and according to approved shop and erection drawings.

PART 3 EXECUTION

3.01 INSPECTION

- A. Verify the areas to receive chairs are free of impediments interfering with installation.
- B. Do not begin work until conditions are satisfactory.
- C. Epoxy flooring shall be dry, ready for foot traffic, and capable of receiving seating with no damage to finish flooring surface.

3.02 INSTALLATION

- A. Install chairs according to manufacturer's printed installation instructions, approved shop and erection drawings, and the following:
 1. Installation of seating shall be done by installer approved by seating manufacturer under his supervision.
 2. Chairs shall be attached by not less than 2 bolts per standard, of size and type according to accepted shop and erection drawings.
- B. Coordinate installation of aisle lights with electrical work under Division 16.

3.03 ADJUSTING AND CLEANING

Project Name
Project No.

**M-DCPS MASTER
SPECIFICATION GUIDELINES**

July 01
12710 - 3

- A. Adjust chairs for smooth and proper operation.
- B. Cover each chair (seat and back) with a clear plastic cover, clean work area and remove debris from site.

END OF SECTION

Project Name
Project No.

**M-DCPS MASTER
SPECIFICATION GUIDELINES**

July 01
12710 - 4