

12711 FIXED UPHOLSTERED SEATING

SPECIFIER: This section replaces

CSI MasterFormat 2004 number:

An optional keynote to the Drawings follows major product titles, for A/Es using National CAD Standard.

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: Provide fixed upholstered auditorium and theater seating including necessary accessories.
- B. Related Section:
 - 1. 09730 - Epoxy Resin Flooring.

1.2 REFERENCES:

- A. American Society for Testing and Materials (ASTM):
 - 1. C144-93 Specification for Aggregate for Masonry Mortar.
 - 2. C150-96 Specification for Portland Cement.
- B. Federal Motor Vehicle Safety Standards: No.302.
- C. US Department of Commerce: CS 191-52, Class I.
- D. Federal Test Method: Standard 191, Method 5903.2.

1.3 SYSTEM DESCRIPTION

- A. Upholstered standard height back seat theater chair with self-rising seat and anchored to the floor.

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions before starting work.
- B. Samples: Submit samples of materials and finishes exposed-to-view.
- C. 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.
- D. Quality Control Submittals: Submit certification that seating complies with flame, chair sizes, and requirements indicated.

1.5 QUALITY ASSURANCE

- A. Mockup:

1. Prepare full-size job mockup consisting of 2 chairs with tablet arms representing extremes of width to be provided. Include minimum one aisle unit.
2. Approved mockup may be incorporated in construction.
3. Particle board and fiberboard are not allowed.

1.6 WARRANTY

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

1.7 MAINTENANCE

- A. Extra Stock: Furnish replacement fabric needed to reupholster seat and back covers of minimum 5 percent of chairs installed, with covers prorated to sizes of chairs used.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Fixed Upholstered Seating:
 1. Citation by Irwin Seating Co., Grand Rapids, MI.
 2. Quattro by Hussey Seating Co., North Berwick ME.
 3. Lancaster by KI, Green Bay, WI.
 4. BW-220 Contour by Seating Concepts, San Diego, CA.
 5. Allegro by Track Seating, Spring Lake, MI.

2.2 EQUIPMENT

- A. Seating:
 1. Upholstered cushion seats: Spring/foam or Ultraflex elastic webbing covered with 3 inch high density molded foam.
 2. Minimum 2 inch foam padded upholstered, molded plastic back.
 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 of the arm rests.
 4. Cast iron, aluminum, or steel stanchions.
 5. Dual seat hinges fully contained within seat pan and fitted with permanently lubricated bearings.
 6. The seat shall be a gravity-lift which automatically returns seat to a full fold position.
 7. Armrests 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.
 8. Folding tablet arms:
 - a. 5/8" thick Baltic Birch or 5 ply hardwood plywood, with painted rounded edges and plastic laminate surfaces of color as selected by A/E.
 - b. Tablet arms shall be attached with manufacturer's standard steel supports.

- c. Tablet arm shall measure minimum 10 inch x 14 inch. capable of supporting a lap-top computer. This area shall not include any extension that connects the tablet arm to the seat frame.
 - d. Tablet shall be self-storing.
 - e. 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.
9. End panels shall be molded plastic, plastic laminate or wood veneer over 1/2" thick minimum plywood.
10. Rows shall have letter identification plates on the aisle armrests or end panels and seats shall have unique number identification plates.
- B. Fastenings: Expansion bolts as recommended by manufacturer.
- 1. Epoxy Grout: Three component epoxy/aggregate system Epiweld 9-N-7 (silica aggregates) by Lambert Corporation or accepted equivalent.
 - 2. Acrylic Latex Grout: Laticrete 3701 by Laticrete International, Inc. or accepted equivalent.
- C. Portland Cement: ASTM C150, Type I, USA manufactured.
- D. Aggregate: Sand according to ASTM C144.

PART 3 EXECUTION

3.1 INSPECTION

- A. Verify areas to receive chairs are free of impediments interfering with installation.
- B. Do not begin work until conditions are satisfactory.

3.2 INSTALLATION

- A. Comply with manufacturer's recommendations for a secure and proper installation.
- B. Install chairs in locations indicated with required clearances, elevations, allowances for sloping main floor, and sight lines.
- C. Attach standards to substrate with minimum 2 anchoring devices of recommended size.

3.3 ADJUSTMENT AND CLEANING

- 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. ///