



Theatre Solutions, Inc.

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Specifications Tier Loose Seating

SECTION 12715 - LOOSE SEATING (Tier)

Part 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions, apply to this section.

1.2 SUMMARY

- A. This section includes the following:

- 1. Freestanding chairs with hardwood frame and upholstered seat and back cushions.

1.3 SUBMITTALS

- A. Product data for each type of product specified.
- B. Samples for initial selection purposes in the form of manufacturer's color charts or samples of materials showing the full range of standard colors, finishes, and patterns.
 - 1. Fabric
 - 2. Wood Finishes
- C. Statement signed by the seating manufacturer confirming that the products submitted comply with the specified requirements.

1.4 QUALITY ASSURANCE

- A. Provide installer's qualifications confirming the installer is qualified to install the manufacturer's chairs.
- B. Provide seating that complies with California Technical Bulletin 117.
- C. Obtain each type of seating, including accessories and mounting components, from a single manufacturer.

1.5 PROJECT CONDITIONS

- A. Environmental Conditions: Do not install seating until space is enclosed and weatherproof, wet work in space is complete and dry, installation of finishes including painting is complete, and ceilings are complete. Do not install seating until ambient temperature and humidity conditions are continuously maintained at final occupancy values.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver seating in manufacturer's unopened cartons clearly labeled with manufacturer's name and contents.
- B. Handle seating in manner to prevent damage.

1.7 EXTRA MATERIALS

- A. Furnish from the same production run as the materials installed. Package materials with protective covering and identify with labels describing contents.

Part 2 - PRODUCTS

2.1 SEATING

- A. Provide from Theatre Solutions, Inc., 121 Park Avenue, Quakertown, PA 18951, the **Tier** model as follows:
 - 1. Basic freestanding chair.
 - 2. Upholstered seat and back cushions.
 - 3. Hardwood frame w/ arms
- B. Model noted is based on the Theatre Solutions, Inc. Tier model, with the intent of establishing the high level of quality required for the project. Other brands submitted for approval will be given consideration provided that a full seating mock-up, along with a complete list of specification discrepancies between the proposed substitution and the product specified is received at least 10 working days prior to the bid date.
 - 1. By offering a quote for this project, the bidder assumes full responsibility for complying with the specifications for this project and shall be totally responsible for any expenses incurred if the product quoted does not comply with the specifications.
- C. Failure to comply with the warranty described herein will be cause for disqualification.

2.2 MATERIALS

- A. Padding material shall be high resiliency polyurethane foam, which conforms to the standards of the California Bureau of Home Furnishings 117-75. The back shall be 3/4" thick. The seat shall be 1-1/2" thick.
- B. Seating fabric shall be _____ with the color to be selected from the standard choice of colors. The inner back and seat shall be upholstered by attaching the fabric to the inside wood back and seat panels. All upholstery shall be first quality without creases, stretch lines, or wrinkles.

2.3 FABRICATION, GENERAL

- A. General: Fabricate the loose seating in contoured form for maximum comfort using materials which are carefully selected to be free from defects, objectionable projections, or irregularities. Smooth round corners and edges to present the least possible snagging and pinching hazards.
- B. Construction

1. All frame joints are mortise and tenon construction and assembled with glue and are clamped for a minimum of 4 hours.
2. The front legs are 1-1/16" x 1-5/8" and are joined to the seat rails with a mortise and tenon joint.
3. The rear frame legs are 1-1/16" x 1-5/8" and are joined to the seat rails with a mortise and tenon joint.
4. The side seat rails are 7/8" x 2-1/4". The front seat rail is 7/8" x 2-1/2" and shall be profiled to include a 46" r. along the bottom edge. The rear seat rail is 1-1/2" x 2-1/4" and is shaped to conform to 24" back radius. All seat rails are machined to receive blocking for support of webbed seat panel.
5. Arms are 1-1/8" x 1-7/8" and are shaped to notch around the rear frame legs. The arms shall include a 3" R.O.C. shaped top surface and shall be attached to the front and rear legs with a mortise and tenon joint.
6. The back top rail is 1-1/16" x 1-7/16" and is shaped in a compound curve and joined to the rear legs with a mortise and tenon joint.
7. Corner blocks are grooved to fit into the grooves in the side rails and are counter-bored to allow for the attachment of the seat panel to the frame.
8. The upholstered seat panel is 3/4" MDF and is machined to match the shape of the chair frame. The seat panel is double webbed with 2" pre-stressed webbing. The seat padding is 1-1/2" thick fire retardant polyurethane foam.
9. The upholstered back is 3/8" thick 7 ply electronically glued hardwood plywood. The back padding is 3/4" thick fire retardant polyurethane foam. The back is assembled into the frame w/ 1/4" hardwood dowels and fixed with (2) #8 SMS.

C. Assembly: The chair frame is assembled w/ alaphatic resin glue and clamped to allow total curing of the joints. All excess glue residue is to be removed prior to hardening. Corner blocks are to be glued in place during assembly to insure a square and plumb assembly.

D. Finishing: All surfaces are to be sanded with a series of sandpaper starting at 120 grit and finishing with a white wood sanding at 220 grit. All sharp edges shall be smoothed, all machining and tool marks are to be removed and the effected areas blended into the surrounding areas. All surfaces are to be stained and sealed. Prior to final topcoat, a light sanding with 320-grit paper to remove foreign particles from the sealer coat is to be performed. A final topcoat of catalyzed lacquer is to be applied to all exposed surfaces.

Part 3 -WARRANTY

3.1 The loose seating manufacturer must provide a two year warranty to the original purchaser of the seating as follows:

- A. The seating manufacturer shall warrant its products against failures and manufacturing defects for two years. This warranty applies to the original purchaser and is non-transferable. The seating manufacturer will provide parts and labor to replace defective parts for the first two years after the installation.

- B. This warranty shall not cover damage from abuse, misuse, neglect or act of God. Damage caused by modifications to the product by anyone other than an authorized seating manufacturer technician will void this warranty. This warranty does not apply to fabrics.

Part 4 - EXECUTION

4.1 EXAMINATION

- A. Examine conditions, with installer present, for compliance with requirements for construction tolerances.
- B. Do not proceed until unsatisfactory conditions have been corrected.

4.2 GENERAL

- A. Comply with seating manufacturer's printed installation instructions applicable to products.
- B. Locate seating in locations indicated on approved shop drawings.

4.3 ADJUSTING

- A. Touch-up minor abrasions and imperfections in painted finishes with coating which matches factory-applied finish.
- B. Replace any upholstery, which has been damaged in installation.