

# Tier Specifications – Loose Seating

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## 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 with 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 in Part 4 of these specifications will be cause for disqualification.

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## 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. All upholstery shall be first quality without creases, stretch lines, or wrinkles.
- C. The frame shall be solid wood. All wood shall be stained in any of the manufacturer's standard finishes.

## 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 corner and edges to present the least possible snagging and pinching hazards.
- B. Construction
  1. All frame joints are mortise and tenon construction, assembled with glue, and 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 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" radius along the bottom edge. The rear seat rail is 1-1/2" x 2-1/4" and is shaped to conform to a 24" back radius. All seat rails are machined to receive blocking for support of the 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 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 consists of two pieces of 3/8" thick 7 ply electronically glued hardwood plywood. The inside back padding is 3/4" thick fire retardant polyurethane foam. The outside back padding is 1/4" thick fire retardant polyurethane foam. The outside back panel is attached to the frame with four 16 gauge steel angles. The inside back panel is attached to the outer back panel with two bayonet hanging brackets.
- C. Assembly: The chair frame is assembled with aliphatic 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 affected areas blended into the surrounding areas. All surfaces are to be stained and sealed. Prior to the final topcoat, a light sanding with 320 grit sandpaper 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 one-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 one year. This warranty applies to the original purchaser and is non-transferable. The seating manufacturer will provide parts and labor to replace defective parts for one year after the date of shipment.

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- 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 site 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 that matches factory-applied finish.
- B. Replace any upholstery that has been damaged during installation.

END OF SPECIFICATION