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ATTACHMENT A

SAN DIEGO OPERA SCENIC STUDIO SCENERY SPECIFICATIONS

The following minimum specifications will be used for the construction of scenery by San Diego Opera Scenic Studios. San Diego Opera Scenic Studios reserves the right to substitute equal or greater goods of specifications if required.

GENERAL PROVISIONS

- A. All hardware required for the production shall be provided, with a complete inventory, in a suitable container.
- B. Each piece of scenery provided is required to be flame retardant, flame resistant, or treated in such a manner as to fireproof the production. A Certificate of Flameproofing must be provided to San Diego Opera before full payment for the production will be paid.
- C. In accordance with health and safety codes, a book of hazardous chemicals and materials used over the course of the build of the production shall be provided to San Diego Opera upon completion. This shall include all MSDS sheets for products and materials used to construct the production.
- D. Disassembled scenery to fit into 48' x 102" standard trailers.

SOFT GOODS

- A. Flame proofing certificates are provided for all goods.
- B. Muslin is heavy weight: 140 count. 102" width is standard.
- C. Goods include webbing, grommets, on one foot centers (from center line), 3' tie lines and pipe pocket with skirt or chain if specified.
 1. Specifically shaped pipe is included.
 2. Webbing is marked with name of production, item name and/or number, center line or distance to hang from center line.
 3. One of these markings will be clearly visible when the goods are folded.
- D. Drops have side hems with a 9" taper to the bottom edge.
- E. Side webbing, grommets and dog clips will be provided as required.
- F. Ground cloths will be of 10 ounce canvas.
 1. Webbing is sewn on all edges.
 2. Seams have two rows of stitching.

3. Center line is marked on upstage and downstage edges.

FLOWN SCENERY

- A. Flown scenery has one safety bolt in hanging hardware.
- B. Flown scenery includes necessary hanging cables and hardware.
 1. Hanging cable is 1/8" unless otherwise specified.
 2. Hanging cables are measured to specified lengths and include chain and/or other leveling device on either end.
 3. Each hanging cable includes a tag for identification.
- C. Loose pin hinges are Stanley Modified variety or equivalent and accept a 20d or 30d bent nail. Pin wire hinges are not used unless required.
- D. All necessary stiffeners and jacks are provided. Wherever practical, hanging units should "tumble up if they are over 24' in total height
- E. Sill irons are provided.

DECK SCENERY

- A. Castered units have at least 3/4' clearance.
 1. Casters have a 3" or larger wheel.
 2. Casters are Colson brand or equivalent.
- B. Platforms exceeding 12" in height are constructed in folding parallels or made to disassemble.
 1. Parallels have 32" center gates.
 2. Parallels more than 6' in height are constructed of 5/4' stock.
 3. Parallels less than 6" in height are constructed of 4/4" stock.
 4. Lids are 3/4" stock without voids and cleaved where practical.
 5. Lids are to be nailed on.
 6. Keystones and corner blocks are made from 1/4" plywood.
 7. Joints are glued.
 8. Hinges have one safety bolt per leaf.
 9. Stock lumber is sugar pine and clear of knots & voids.
- C. Flattage is constructed in accordance with lines 6, 7, 8 & 9 of B above and with physical dimensions approved by client's representative.
 1. Flattage to 20' in height is constructed of 4/4" stock.
 2. Flattage over 20' in height is constructed of 5/4" stock.
 3. Hinges do not span more than six feet.
 4. Top and bottom hinges are no more than 1" from edge.
 5. Separate bids will be provided for crates and/or trucking strips at the client's request.
 6. Scenic pieces are properly labeled or numbered.
 7. Scenery is back painted San Diego Opera Scenic Studio gray unless otherwise specified by client.