

## SECTION 11 61 43

### STAGE CURTAINS

#### PART 1 GENERAL

##### 1.01 QUALITY ASSURANCE

- A. All curtains shall be treated for flame resistance in accordance with requirements of NFPA 701.
- B. Installer shall have a minimum of 5 years experience installing stage curtains.
- C. Acceptable installers are:
  - 1. Production Resource Group
  - 2. Norcostco
  - 3. Barbizan
  - 4. SECOA
  - 5. Dincler

##### 1.02 SUBMITTALS

- A. Shop drawings and product data.
- B. Operation and maintenance manuals.
- C. Certification fabric meets requirements for flame resistance.

#### PART 2 PRODUCTS

##### 2.01 MANUFACTURERS:

- A. Provide stage curtain fabrics as manufactured by one of the following:
  - 1. Dazian, Inc.
  - 2. K/M Fabrics, Inc.
  - 3. Melfabco, Inc.
  - 4. Frankel Associates, Inc.
  - 5. Valley Forge Fabrics
- B. Provide straight tracks as manufactured by one of the following (curved tracks as approved by DPS):
  - 1. Silent Steel Model No. 280, Automatic Devices Co.
  - 2. Tru-roll Model No. 1000, Brosh Scenic Studios, Inc.
  - 3. Atlas Silk Model No. 400, H&H Specialties, Inc.
  - 4. Besteel Model No. 170, Automatic Devices Co.
  - 5. Atlas Steel Model No. 101, H&H Specialties, Inc.

##### 2.02 FABRICATION

- A. Main curtain shall be bi-parting with a three foot center overlap.
- B. Minimum valance depth shall be three feet.
- C. Main curtain and valance shall be pleated and be of matching fabric.
- D. Travelers and or walk-alongs such as mid-stage or concert curtains shall have bi-parting panels with a three foot center overlap.
- E. Side Curtains shall have bi-parting panels with a two foot overlap.

- F. Masking curtains and legs shall be made in pairs and also of a pleated fabric.
- G. Provide not less than 50 percent additional fullness for curtains, unless otherwise indicated. Horizontal seams and fabric less than half-width are not permitted.
- H. Vertical hems: Provide vertical hems not less than 3 inches wide, stitched and machine sewn with no salvage material visible from front of curtain.
- I. Turnbacks: Where specified, provide turnbacks, formed by folding 24 inches of face fabric back at each end of panels and securing by sewing across top hem and grommeting through both layers of fabric.
- J. Top hems: Reinforce top hems by double-stitching 3-1/2 inches wide heavy jute webbing to top edge with minimum 1" of face fabric turned under.
- K. Pleats: Provide fullness in curtains by sewing 6 inches of additional material into box pleats spaced at 12 inches centers along top hem reinforcing. Provide not less than #4 brass grommets spaced at 12 inches and centered on box pleats, for tie lines or "S" hooks.
- L. Bottom hems: For floor –length curtains, provide 6" hems with separate interior heavy canvas chain pockets equipped with No. 8 cadmium-plated jack chain. Stitch chain pocket so chain rides 2 inches above bottom edge of curtain.
- M. Lining: Provide lining for each curtain in same fullness as face fabric, and finished 2 inches shorter than face fabric. Unless otherwise specified, provide lining constructed of IFR Black Avora (or similar) for all velour curtains, and FR Black Denim (or similar) for all non-velour curtains. Cycloramas shall be unlined. Attach lining to face fabric along bottom and side seams with 4-inch long strips of heavy woven cotton tape.
- N. Front Setting: Front curtains shall be fabricated of heavy polyester velour with 24 inch turnbacks at each end of both panels.
- O. Steel tracks shall be fabricated not less than .075 inch (14 gauge) nominal thickness galvanized roll formed steel with continuous bottom slot, and with each half of track in one continuous piece. Provide curtain carriers for track spaced at 12 o.c.
- P. Use only heavy duty tracks- equip track with heavy –duty live – end double pulley and heavy duty dead-end single pulley, with 5 inch cast-iron or nylon wheels on ball bearings, enclosed in steel housings. Provide curtain carriers of molded nylon with a pair of neoprene or nylon-tired ball bearing wheels riveted to body. Equip carriers with neoprene or rubber bumper, heavy duty swivel eye, and trim chain for attaching curtain snap or S hook. Provide end stops for track and adjustable floor block designed to maintain proper tension on 3/8 inch stretch resistant operation line of braided polypropylene or fiberglass center cord.

### 2.03 MATERIALS

- A. Curtain materials:
  - 1. Main curtain and valance and all travelers:
    - a) 100 % polyester/
    - b) 25 oz minimum weight/
    - c) Manufacturer's standard colors and patterns of fabric (non-premium).
    - d) Manufacturer's available pleat options/
  - 2. Drops & scrim- 95 %cotton/5% polyester:
    - a) White/
    - b) Black/
  - 3. Cyclorama - Either FR Leno-Filled Scrim or IFR Unbleached Muslin:
    - a) Available neutral colors/
  - 4. Masking (Legs and Borders):
    - a) For elementary and middle schools – FR cotton twill (REPP) or IFR twill (REPP), Black, minimum 15 oz.

b) For high schools – IRF velour, black, minimum 21 oz.

B. Specify lining materials.

**PART 3 EXECUTION No standards**

**END OF SECTION 11 61 43**