PART 0 A/E INSTRUCTIONS

0.01 GENERAL DESIGN REQUIREMENTS

A. Design of stage curtains should include side legs (tormentors), valances, cyclorama and main drape (for all levels of schools).

B. High Schools shall have a specialized consultant hired for the project for acoustics, lighting, rigging and equipment.

C. Architect shall Coordinate curtain layout with lighting, mechanical, catwalks and any supporting structure – and ensure proper masking of such from audience view.

D. Architect shall provide drawings (a section through the stage and a reflected ceiling plan) showing exact location of all stage curtain components and fire sprinkler locations.

E. Where stages have a folding partition closure, coordinate main drape with requirements for partition stacking space.

F. Architect shall coordinate location of projection screen so that curtains are not within the projection beam.

G. Architect shall coordinate requirements for electrical power for curtain and rigging operation.

H. Architect shall coordinate with the DPS Project Manager any special requirements for the stage set-up.

I. Architect shall coordinate any special requirements for a curved curtain track.

J. Architect shall coordinate all structural bracing, support and blocking requirements of curtain track, lighting and rigging.

K. Architect shall coordinate and incorporate any special requirements by the Denver Fire Department and Building Department in relation to stage curtains for sprinkler and drop curtains for stages.

1. details shall be provided at the Construction Document phase of the Project.

L. Colors of fabric from Manufacturers available standards - non premium.

M. Curtain operation: Manual operating curtains via pulley, ropes and counterweights.

N. Stage Curtains

1. Proscenium curtains
2. Masking curtains
3. Drops/cycloramas
4. Scrims
5. Valances
6. Curtain tracks

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.

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 curtains 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 at no more than 10’ on center.

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 same fiber type as face fabric. 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
   a) 100 % polyester
   b) 23 oz minimum weight
   c) Manufacturer's standard colors and patterns of fabric.
   d) Manufacturer's available pleat options
2. Drops & scrim- 95 %cotton/5% polyester
   a) White
   b) Black
3. Cyclorama - pleated 100% polyester
   a) Available standard colors

B. Specify lining materials

PART 3 EXECUTION No standards

END OF SECTION 11062