

## ***Stage/Theatrical Equipment***

### **I. GENERAL**

#### **1.1 Intent**

- A.** The intent of the specification is to provide the owner with a complete new Main Stage Curtain, Valance and stage drapery. To have the design integrity of equipment and features meet the owners decided use that has a proven long-term reliability record.

#### **1.2 Scope**

- A.** All materials, components and services necessary to provide a complete working system indicated in this section, as specified herein and shown on related drawings including, but not limited to:
  - 1.** Dimensional drawings and schedules for specified curtains and appropriate hardware.
  - 2.** Shipment of equipment and supplies to the job site.
  - 3.** Removal and disposal of the current curtains and Installation in accordance with these specifications, related drawings, the equipment manufactures' recommendations, established trade criteria, and all applicable code requirements.
  - 4.** Inspection and demonstration of completed installation with the general contractor's engineering personnel and any necessary adjustments needed to comply with these specifications, related drawings, equipment manufactures' recommendations, established trade criteria, applicable code requirements, or proper operation.

#### **1.3 Work Included**

- A.** Base Bid:
  - 1.** Theatre Curtains
    - a.** Curtin hangers
    - b.** Curtain Track inspection and electric opener re-certification.
- B.** The above list is for reference only and is not intended to define limits of the work for a complete installation.

#### **1.4 Qualifications**

- A.** All equipment and installation shall be the responsibility of a single contractor, or subcontractor, who shall own and operate his own full time shop for the installation and assembly of stage equipment.
- B.** Bid submissions must identify any such subcontractors.
- C.** The contractor or subcontractor shall have at least 10 years' experience in the installation of similar stage equipment and systems. The contractor or subcontractor shall submit a representative list of installations during the above period along with full contact information.

**1.5 Submittals****A. Samples:**

1. Within thirty (30) days of contract award, the contractor shall submit to the Director of Operations for approval, prior to fabrication:
  - a) Samples and color lines for all curtain fabrics.
  - b) Fully dimensioned detailed drawings of curtains.
  - c) Cut sheets of all curtain hardware.
  - d) Submit certificates showing flame test.

**1.6 Standards**

- A.** All equipment, where applicable standards have been established, shall be built to the standards of Underwriters Laboratories, Inc., and the United States Institute for Theatre Technology. Approved equipment shall be so labeled on delivery to the job site.
- B. Manufactures**  
Acceptable manufactures are:  
RoseBrand, Tiffin, KM fabrics

**1.7 General Requirements**

- A.** General Conditions of the project contract, work schedules, and site regulations apply to this work.
- B.** This work shall comply with all applicable local, state, and national codes.
- C.** All equipment shall be fully insured against loss or damage during shipment, installation and testing. Certification of such coverage shall be furnished to the Director of Operations.
- D.** The contractor shall warrant all equipment provided under this section to be free from defects in materials and workmanship for a period of at least twelve (24) months from the date of final acceptance of all work in this section.
- E.** All repairs and service during the warranty period shall be at the job site and include all necessary labor, materials and transportation of replacement materials and parts.
- F.** This warranty shall cover any manufacturer defects of equipment and unusual wear and tear caused by improper installation. Normal wear and tear and abuse of equipment are exempted.
- G.** All measurements in this bid package are for information only and are to be used as a guide. The contractor or subcontractor shall field verify all measurements.

**1.8 Curtains****A. Fabrics:**

1. **Front Setting:** Shall be RoseBrand "Charisma" 26oz IFR Fabric. Submit certificates showing dye lot and flame test.  
Director of Operations to select color.

Quantity= 2

- 2. Valance:** Shall be RoseBrand "Charisma" 26oz IFR Fabric. Submit certificates showing dye lot and flame test.

Director of Operations to select color.

Quantity= 1

### 3. Stage Drapery:

Replace existing ADC 500 series track carriers, clean existing track, re-cable track and re-set motor limit switches

**Border Curtain** 6'Hx 63'W in "Crescent" 20oz IFR Fabric, Black with 50% fullness, top hem with 3.5" nylon webbing, 5" side hems, and 8" bottom hem, grommets and ties on 12" centers.  
Quantity= 2

**Leg Curtain** 25'H x 10'W in "Crescent" 20oz IFR Fabric, Black with 50% fullness, top hem with 3.5" nylon webbing, 5" side hems, and 8" bottom hem, grommets and ties on 12" centers.  
Quantity= 2

**Mid-Stage Traveler Panel** 25'H x 35'W in "Crescent" 20oz IFR Fabric, Black with 50% fullness, top hem with 3.5" nylon webbing, 5" side hems, 8" bottom hem, and internal chain pocket with #8 zinc plated jack chain.  
Quantity= 2

**Up-Stage Traveler Panel** 19'H x 45'W in "Crescent" 20oz IFR Fabric, Black with 50% fullness, top hem with 3.5" nylon webbing, 5" side hems, 8" bottom hem and internal chain pocket with #8 zinc plated jack chain.  
Quantity= 2

**Up-Stage Border Curtain** 6'Hx 90'W in "Crescent" 20oz IFR Fabric, Black with 50% fullness, top hem with 3.5" nylon webbing, 5" side hems, and 8" bottom hem, grommets and ties on 12" centers.  
Quantity= 1

**Stage Skirt** 3'-9"H x 34'-4"W in "Crescent" 20oz IFR Fabric, Black with 50% fullness, to hem with 2" Velcro sewn on, 2" side hems, 4" bottom hem, with adhesive hook Velcro for attachment to the front of the stage.  
Quantity= 1

### B. Fabrication:

1. The contractor or subcontractor shall field verify all measurements.
2. All pile fabrics shall be constructed with pile running down.
3. All seams shall be vertical with each width running the full height - no horizontal splices.
4. Thread colors shall match face of fabric.
5. A label shall be attached 6 inches from the bottom of every curtain showing height, width, and date of flame proofing.

6. Sizes and quantities per drawings and schedules.
7. Draw Curtains: Top hem shall be turned and reinforced with continuous 3 ½" heavy nylon webbing. 50% fullness shall be sewn in with box pleats approximately 12" on center. A #3 brass anodized black grommet shall be inserted on every pleat and at ends. Bit snaps or ADC model CC-2 snaps shall be provided for attachment to carriers at each pleat and ends of curtain. Bottom hem shall be 8" and contain a continuous No. 8 jack chain held in a muslin pocket sewn securely to be held 1" above the bottom of the hem. Jack chain shall be secured to muslin pocket every 36". Side hems shall be a minimum of 16" on the leading edge and 8" on the offstage edge. Vertical seams with salvages shall be sniped every 36" for proper hanging.
8. Valance: Top hem shall be turned and reinforced with continuous 3 ½" heavy nylon webbing. 50% fullness shall be sewn in with box pleats approximately 12" on center. A #3 brass anodized black grommet shall be inserted on every pleat and at ends and contain a 30" piece of #4 black tie line for tying curtain to pipe. Bottom hem shall be 8". Side hems shall be a minimum of 3". Vertical seams with salvages shall be sniped every 36" for proper hanging.

C. Fabricate and install as directed.

#### **1.10 Curtain Track and Hardware**

A. Track:

1. Traveler track to be inspected for any unusual wear and a full written report issued to the Director of Operations.
2. Replace existing ADC 500 series track carriers, clean existing track, re-cable track and re-set motor limit switches

#### **1.11 Execution**

A. Field Quality Control

1. All equipment shall be installed under the direct supervision of an experienced representative of the rigging contractor.
2. All work shall be performed in strict accordance with approved shop and installation drawings.
3. Instruct house personnel on proper procedure for operation and maintenance of the completed system.

#### **1.12 BIDS**

A. Base Bid

1. Provide curtains, hardware and installation of all items.
2. Provide a line item bid as to pricing.

**B. Alternate Bid**

1. Provide curtains, hardware and installation of all items as in base bid and to include all new curtain tracks and moving hardware. Director of Operations will review submittals for track and hardware for approval.