DEXTER HIGH SCHOOL CENTER FOR PERFORMING ART DRAPES

APPENDIX B - Scope of Work

Work Includes:

1. Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all of the work and contract requirements according to Division 1 complete, including all bid requirements, contract documents, general and supplemental conditions and Division 1 General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 1 General Requirements or technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category shall also include the work of specifications below:

2. INCLUDES:

   A. SUMMARY – The purpose of these specifications is to procure and furnish functional and operational criteria: to outline quantitative requirements; to provide standards of quality in materials and workmanship; and to establish procedures and obligations concerning bidding, fabrication and installation of the stage curtains.

   B. WORK IN THIS SECTION

      i. Curtains –

         (1) Procure all stage drapery as described
         (2) Stage drapery installed as scheduled, trimmed and all flameproofed.
         (3) Cyclorama drop.
         (4) Scrim curtain – seamless.

   C. SUBMITTAL

      General: Submit the following according to Conditions of the Contract and Division 1 Specifications Sections.

      Product data, installation instructions and general recommendations, including substantiating that materials comply with requirements.

      Assembly drawings shall show detailed sizes and weights of all components, equipment, supports and linkages and shall show sufficient detail to serve as a basic record for maintenance.

      Samples for verification purposes, 12 inches square of each fabric in color indicated and with flameproofing applied (if required).

      Product certificates, signed by stage curtain fabricator, certifying that the products comply with specified requirements.

   D. GENERAL REQUIREMENTS

All items included in this specification shall be furnished and installed by a single contractor who shall have sole responsibility for proper operation of all equipment involved.
Subletting work at the job site shall not be allowed.
All work done under this contract shall conform to applicable local, state, and national codes, and be performed within labor regulations and union requirements.

E. QUALITY ASSURANCE

Fabricator/Installer Qualifications: Firm experienced in producing stage curtains similar to those indicated for this project that have a record of successful in service performance, and with sufficient production capacity to produce required units without causing a delay in the work.
Fire-Performance Characteristics: Provide stage curtains that are certified to be flame resistant according to requirements of NFPA 701. Permanently attach label to each curtain, indicating whether curtain is permanently and inherently flame resistant, or whether it will require re-treatment after dry cleaning.

F. MANUFACTURERS

Manufacturers: Subject to compliance with requirements, Manufacturers offering stage draperies that may be incorporated into the work include, but are not limited to, the following:

Tiffin Scenic Studios, Inc.
Chicago Spotlight, Inc.
146 Riverside Drive
1658 W. Carroll Street
Tiffin, Ohio 44883
Chicago, Illinois 60612

Atlanta Rigging Systems, Inc.
1465-A Howell Mill Road, NW
Atlanta, Georgia 30318

Other Manufacturing Contractors desiring consideration for approval as acceptable may so request in accordance with Division 1 Specification Sections.

After bids are received and prior to award of contract, the lowest qualified bidder shall provide data and sample to the Construction Manager, with all charges per-paid, for review and evaluation by the Owner, and Construction Manager.

Data and samples to be submitted:

A listing of three (3) installations of similar scope along with the work herein specified made within the past five (5) years and a list of contacts and telephone numbers.

G. STANDARDS AND SUBSTITUTIONS

Dimensions listed herein relating to the above categories shall be regarded as actual and not nominal. Only where a dimension is specifically identified as nominal shall an interpretation be such.

That any bidder desiring to bid on an "approved equal" proprietary product submit to the Architect, in accordance with Division 1 Sections, complete with specifications, descriptions, technical data, and performance criteria of the proposed item(s) he wishes to have considered for acceptance as an "approved equal".

H. WORKMANSHIP

The installation workmanship shall provide straight, plumb, true, and aligned components throughout. All connections shall be tight fitting with a minimum safety factor of eight (8) and all arranged in an orderly manner. The mechanical fabrication of the rigging and hardware and the mechanical installation shall possess the necessary properties to withstand stresses of tension compression, flexure, shear, and torsion which may be anticipated being imposed on one or more of the components; and all shall be related to (1) safety, (2) ease of operation, (3) quietness of operation, and (4) service life. The standards of quality and design covering the equipment and fabrication, plus the installation technique required are established on this basis; and the decision of the Architect in determining the acceptability of equipment items, installation technique, and workmanship shall be final.

The installation cost included in this proposal shall be based upon the use of experienced riggers at the prevailing wage rates for the trade or trades having jurisdiction.

I. INSPECTION AND TESTING

The completed installation of all rigging equipment with draperies properly installed, shall be tested and operated for the approval of the Owner's Representative.

Any workmanship or materials found to be defective, improperly placed, not in strict conformity with the specifications, or defaced or injured through the action of fire or

the elements, through usage by the Contractor or his employees, or from any other cause shall be removed immediately from the premises when directed by the Owner's Representative and satisfactory materials or work substituted therefore without delay. This shall include making good the work of other Contractors destroyed or damaged by delivery or installation, or by such removal or replacement. The cost of the above replacements shall be borne by the Contractor responsible for the defective work or material.

J. WARRANTY

General Warranty: The Manufacturer's warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.

The work shall be fully guaranteed – with exception of normal wear – for a period of (1) year after final acceptance and payment. Any items showing evidence of defective materials or workmanship (including installation workmanship) in the opinion of the Owner's Representative shall be replaced within thirty (30) days after notification, and without cost to the Owner.

PART 2 - PRODUCTS

A. PRODUCT CONDITIONS

Field Measurements: Check actual stage openings by accurate field measurements before fabrication; show recorded requirements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delaying work.

B. FABRICS

General: All fabrics of their various kinds and colors shall each be from one (1) and the same dye lot. All colors and designs are to be as selected by the Owner's Representative. When materials of one (1) color exceed limit of one (1) dye lot, the balance must be identically matched with the original lot. No, "run of the mill" usage of colors will be acceptable.

All combustible fabrics shall be chemically flameproofed by immersion for compliance with all applicable codes. Spray method flameproofing is unacceptable. This contract shall furnish flameproofing certificates giving name of flameproofing chemical used, identification of flameproofer, method of flameproofing used, and date.

Act Curtains, Borders, Legs:

Woven Cotton Velour: Napped fabric of 100 percent cotton; 54 inch minimum width; not less than 40 backing ends per inch, 40 pile ends per inch, and 32 picks per inch; 640 pile tufts per square inch; and other characteristics as follows:

Medium Weight: Fabric weighing not less than 20oz. per linear yard before flameproofing, with pile height approximately 105 mils.

Colors: Provide colors indicated on the Architect's color schedule.

Product: Subject to compliance with requirements, provide the following velour fabric:

Marvel, KM Fabrics, Inc. or approved equal.

Cyclorama:

Muslin: 100 percent cotton flameproofed fabric, twill weave with soft uniform texture, weighing not less than 24oz. per linear yard before flameproofing; 12'0" minimum width.

Colors: Natural.

Product: Subject compliance with requirements, provide one of the following:

Muslin, Melfabco Inc. or approved equal.

Scrim:

Sharkstooth Scrim: Open weave, light weight gauze fabric of 100 percent cotton weighing not less than 7 oz. per linear yard; 30 foot minimum width.

Color: Black.

C. STAGE DRAPERY

Sewing and Fabrication Instructions

All drapery as removed from bolts shall be tabled across an inspection window for detecting flaws and imperfections which shall be cut out and not incorporated in the finished work.

Fabric panels shall run full height of the various sections without horizontal seams and be box plaited at the top in fullness as listed exclusive of turnback facings.

Plaits shall be on face side of drapery and reinforced across top with 3-1/2" BFM jute webbing. Webbing shall be sewn to top of drapery with four (4) runs of stitching with dual runs 1-1/2" apart, using industrial style sewing machine and no less than H30 heavy industrial thread. Grommets shall be so located that no horizontal stitching is cut or severed and shall be located on each plait on approximately 1'0" centers.

Each upper corner of each traveler section shall have double grommets precisely arranged to fit double chains of master carriers regardless of whether drapery section is used right or left stage.

Bottom edge of face fabric shall be within one-quarter (1/4) inch parallel with top edge of drapery for true hanging across full width.

Prior to sewing the bottom hem, the otherwise completed drapery sections shall be hung full height to their finished width and allowed to hang unmolested for two (2) weeks minimum after which the bottom shall be scribed and hemmed to the finished height specified.

After sewing is completed, the drapery shall be folded at the vertical seams in approximately 3'0" wide increments and allowed to lay full length until transported to the installation site for promptly hanging to various tracks and battens.

Operating side of traveler and legs sections shall have heavy canvas pouch with strain relief chains for carrying floor block when drapery is flown.

Items and Sizes:
Act Curtains - provide flameproofed Marvel velour, in noted color as follows:

Color – Black

Quantity - 4

Fabricated into two (2) equal sections.

Fullness 0% - sewn flat

Bottom hem 5" deep with No. 8 zinc plated jack chain weighted in separate pocket inside hem.

3-1/2” jute webbing at top.

Brass grommets and plated steel S-hooks on 1’0” centers across top.

One-half width turnback facing each vertical edge each section.

Finished size – each section – 24’0” high by 35’6” wide.

Legs – provide flameproofed Marvel velour, in noted color as follows:

Color – Black

Quantity - 8

Fullness 0% - sewn flat

Bottom hem 5” deep with No. 8 zinc plated jack chain weighted in separate pocket inside hem.

3-1/2” jute webbing at top.

Brass grommets and tie-line on 1’0” centers across top.

6” side hems.

Finished size – each leg – 24’0” high by 18’0” wide.

Borders – provide flameproofed Marvel velour, in noted color as follows:

Color – Black

Quantity - 4

Fullness 0% - sewn flat

Bottom hem 3” deep – no chain weighted.

3-1/2” BFM jute webbing at top.

Brass grommets and cotton tie-lines on 1’0” centers across top.

2” side hems.

Finished size – each border – 8’0” deep by 102’0” wide.

Cyclorama Drop – provide flameproofed 12’0” seamed Muslin, in noted color as follows:

Quantity - 1

Sewn flat (without fullness)

Bottom hem 5” deep with internal weighted pipe pocket of same color as face fabric.

Heavy cotton webbing at top.

Brass grommets and cotton tie-lines on 1’0” centers across top.

2” side hems.

Finished size – 24’0” high by 68’0” wide.

Scrim – provide flameproofed seamless Sharkstooth, in stock black and as follows:

Quantity - 1

Sewn flat (without fullness)

Bottom hem 5” deep with internal weighted pipe pocket of same color as face fabric.

Heavy cotton webbing at top.

Brass grommets and cotton tie-lines on 1’0” centers across top.

Finished size – 24’0” high by 68’0” wide.

Acoustic Panel FOH - provide flameproofed Marvel velour, in noted color as follows:

Color – Cabernet

Quantity - 6

50% added fullness

Bottom hem 5” deep – chain weighted.

Brass grommets and plated steel S-hooks on 1’0” centers across top.

Finished size – each border – 8’4” deep by 12’0” wide.

PART 3 – EXECUTION

INSTALLATION

Installation shall be in accordance with Manufacturer's instructions.

Original installation shall be complete by the Manufacturer.

All costs pertaining to the Manufacturer’s responsibility for a complete installation shall be included in the original bid.

1.4 FUTURE WORK

1. Future Contracts for completion of the Project will be awarded and coordination of work will be required between successful bidders of this bid package & successful bidders of future bid packages.

1.5 WORK BY OWNER

1. Work by Owner is work that the Owner will contract for separately; design, drawings, specifications, and work will be by others per separate contract. The following will be work by Owner:
   A. As indicated on drawings or specifically described elsewhere in this Project Manual.

1.6 OWNER FURNISHED PRODUCTS

1. Products furnished to the site and paid for by Owner:
   A. Owner furnished products are indicated on the drawings.
2. Owner's Responsibilities:
   A. Arrange and pay for product delivery to site.
   B. On delivery, inspect products jointly with Construction Manager and Subcontractor.
   C. Submit claims for transportation damage and replace damaged, defective, or deficient items.
3. Subcontractor's Responsibilities:
   A. Receive, schedule for delivery and unload products at site; inspect for quantity, completeness and damage, jointly with Owner and Construction Manager.
   B. Handle, store, install and protect finish products.
   C. Repair or replace items damaged until substantial completion.