

ADDENDUM TO RFP DOCUMENTS

	ADDENDUM #01
	Project: Solano Community College District Building 1200 Orchestra Shell Project (Project #17-005)
	Date: February 7, 2017

The following clarifications are provided based on questions received or changes in District requirements and must be added/considered when completing your submittal: Acknowledgement of receipt of this **ADDENDUM** is required in the proposal’s cover letter of introduction. Please clearly note the addendum date and number.

ITEM:

ITEM NO. 1 – Substitution Request

Provided information and substitution request has been approved for the Opus II Shell System manufactured by StageRight Corporation. See below for information provided for evaluation. Information attached shall only be referenced for general description of materials, assembly, performance and operation of system. Requirements for warranties, determination of actual dimensions, selection of finishes and substitutions shall be per the Contract Documents provided under this project.



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STAGERIGHT CORPORATION **DIVISION 11 - EQUIPMENT**

SECTION 11060 - ACOUSTICAL CONCERT SHELL SYSTEM

PART 1 - GENERAL

1.01 PRODUCT OUTLINE - CONCERT ENCLOSURE

- A. The equipment described in these specifications has been carefully chosen to match the acoustical, aesthetic, handling, operational, and storage requirements of the facility and the events planned for the space.

1.02 GENERAL DESCRIPTION

- A. Towers shall be self-supporting, sound reflecting structures equipped with leveling, nesting "A-shaped" counterweighted bases and all hardware necessary to safely transport them to and from storage and lock into place when in use position.
- B. Overhead ceiling shall be sound reflective panels supported from existing stage rigging including integral hardware for single pipe storage without interference with adjacent stage equipment.

1.03 FLEXIBILITY

- A. Equipment must be designed so that it may be arranged in all the configurations as outlined on the drawings.

1.04 QUALITY

- A. These specifications are based upon the Opus II Concert Shell System as manufactured by StageRight Corporation, Clare, Michigan (800-438-4499).

1.05 OTHER PRODUCT CONSIDERATIONS

- A. Products meeting or exceeding these specifications will be considered when written submittal is received by the specifying body 10 days in advance of bid. Prior approval request submittal shall consist of printed information describing product, an 8" square sample of the acoustical reflective material including finishes and a videotape showing the set-up features of the product.

1.06 GUARANTEE

- A. The manufacturer shall guarantee all items of the shell against defects in material and workmanship for a period of one year. The manufacturer shall correct any such defects within the guaranteed period, with no cost to the owner.

1.07 INSTALLATION

- A. Three sets of detailed shop drawings and/or instructions shall be furnished by the manufacturer at installation.



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- B. Original installation shall be supervised by manufacturer.
- C. All costs pertaining to a complete installation shall be the manufacturer's responsibility and included in the bid price.

PART 2 - CONSTRUCTION

2.01 SOUND REFLECTIVE PANELS

- A. All sound reflecting panels shall be laminated sandwich panels.
- B. Exposed face shall be .060 (1/16") thick Formica Brand high pressure laminate; Class B fire rated.
- C. Substrate shall be 1/8" thick tempered hardboard each side of core.
- D. Back skin shall be natural finish high pressure laminate.
- E. Core shall be 3/8" cell, 80-80-15 phenolic impregnated cellulose honeycomb core, 1.3" thick.
- F. All exposed edges of individual panels shall be protected by an aluminum extruded frame/edging with injected molded corners. The extrusion shall provide a continuous edge slot to allow mechanical fastener attachment to the tower structural frame.
- G. Adhesive shall be high solid, pressure-cured, moisture-activated, urethane structural adhesive. Contact-type adhesives are not acceptable.

2.02 SHAPE

- A. Exterior surface shall be bowed to a 6'-0" radius.

2.03 WEIGHT

- A. Panels of less weight shall be deemed insufficient to reflect low frequency sound and shall not be accepted.

2.04 FINISH

- A. Panel face surface shall be free of exposed fasteners.
- B. Finish surface shall be matte.
- C. Color to be chosen from Formica Brand color ring by owner's representative.
- D. Panel edges finished in flat black.

PART 3 - PRODUCT



STAGE RIGHT

3.01 TOWERS, SIDE AND BACK WALLS

- A. The base assembly shall incorporate a counterweight of significant weight to safely move the towers about the stage. Weight shall be permanently fastened to the tower frame.
- B. The base assembly shall be designed so that it will nest within the other to utilize a minimum of storage space.
- C. Structural frames shall incorporate tower wing hinges.
- D. Supply one tower transporter that locks onto and lifts the towers allowing them to move safely about the stage. The transporter frame shall be constructed of 2" OD steel tubing, have three five-point orbital casters, each with a load rating of 1,000 lbs. Transporter shall allow towers to be moved in any direction to speed setup. Tower lifting shall be done using a hydraulic pump and rams. No device requiring an electrical power cord to transport towers will be allowed.
- E. Each base shall have three adjustable height levelers to allow for minor irregularities in the stage floor. At the installation of the towers, numbered markers shall be inserted flush with the stage floor indicating the location of each tower insuring consistent setup. Markers shall be coded to match each of the arrangements indicated on the drawing.
- F. Towers shall consist of three bowed panels hinged together to obtain tower width as indicated on the drawings.
- G. Each side wall tower shall be equipped with two doorways for entering and exiting the performing area.
- H. All instructions pertaining to the safe handling and operation of the towers shall be affixed to the tower in plain view.

3.02 OVERHEAD SOUND REFLECTORS

- A. Panel width dimensions shall match the approximate spacing of the rigging cable attachment to the pipe batten. No ceiling panel hanger shall be located more than 1'-6" from the cable/batten attachment. The design shall allow the entire row to be rotated to the storage position at one time by two people.
- B. There shall be no tools necessary to rotate panels for storage.
- C. Each row of overhead panels must be equipped with the necessary hardware to hang from recommended 1-1/2" schedule 40 pipe batten.
- D. Hardware must permit angular adjustment from horizontal plane to 40 degrees. The hardware must also have the capability of locking the panels in a vertical position so that they may be stored on the battens in the stage loft. Maximum storage space required will be 10" either side of the pipe batten center line.
- E. All instructions pertaining to safe handling of the overhead panels shall be provided.

3.03 LIGHTING

- A. Owner will have a choice of lamps as recommended by the manufacturer.



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- B. Owner will have a choice of electrical connections from a list available from the manufacturer.
- C. Provide one U.L. listed connector strip for each row of ceiling panels with junction box at stage right. Connector strip shall be circuited as indicated on the drawings.



PART 4 - SUMMARY

A. TOWERS

Side wall, all with two doors

2 towers - ____ wide x ____ high

2 towers - ____ wide x ____ high, tapered tops

2 towers - ____ wide x ____ high, tapered tops

2 towers - ____ wide x ____ high, tapered tops

Rear wall, without doors

4 towers - ____ wide x ____ high

B. CEILINGS

Row 1 - ____ deep x ____ wide, tapered ends
6 hanger points, 6 light fixtures

Row 2 - ____ deep x ____ wide, tapered ends
6 hanger points, 6 light fixtures

Row 3 - ____ deep x ____ wide, tapered ends
6 hanger points, 4 light fixtures

Row 4 - ____ deep x ____ wide, tapered ends
6 hanger points, 5 light fixtures

C. HARDWARE

1 tower transport cart as described in Section 3.01 - D

D. STORAGE

All towers and transport cart shall store in an area no larger than ____ wide x ____ deep x ____ high.

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