

## *Lighting Information*

**PLEASE NOTE THAT THE ENTIRE INVENTORY MAY NOT BE AVAILABLE FOR YOUR PRODUCTION. PLEASE CONFIRM INVENTORY WITH THE TECHNICAL DIRECTOR AT LEAST 30 DAYS PRIOR TO YOUR EVENT.**

Welcome to the Lighting Information Overview for the RiverCenter for the Performing Arts. Included is a brief discussion, lighting inventory, and applicable technical drawings for Bill Heard Theatre's lighting system. RiverCenter employs a full-time Lighting Coordinator who will try to be flexible to meet the individual needs of each perspective performance.

RiverCenter for the Performing Arts has three performance spaces, including the multipurpose, 2000 seat Bill Heard Theatre. Since each space has its own lighting system and configuration depends greatly on the events in the perspective halls, not all equipment is available all of the time. An advancement period of 30 days before the opening date is mandatory to secure lighting equipment for performances. Time is also a factor in ordering color, gobos, and other supplies regarded as consumables. Advance notice on these items means a higher probability that they can be acquired. The included technical drawings were created on Vectorworks Version 10 and are available as a downloadable PDF on the Rivercenter website, or in their original formats by request.

A "Default Lighting Plot" has been created to facilitate the needs of productions without extreme production labor and costs. This plot is a very general, theatrical-style plot based on McCandless lighting principals. The plot contains a total of 6 Electrics over the stage with approximately 140 fixtures, 2 Front-Of-House Catwalks with approximately 70 fixtures, and a Mezzanine Rail with approximately 10 fixtures. With these fixtures, several general, full-stage washes are in place. From Front-Of-House anywhere from 1 to 3 washes can be created. In place over the stage are the following: a stage-right high side wash consisting of lekos with R54 gel, a stage-left high side wash consisting of lekos with R16 gel, a top wash consisting of pars with R62 gel, additional front wash fixtures consisting of lekos on the first three electrics, and an electric of CYC fixtures far upstage. Also included in the plot are spare fixtures that are spread throughout to fulfill any additional needs. All lighting fixtures with exception of the CYC fixtures are ETC Source- 4. Additional individual fixture floor bases and both "A" and "B" sized gobo holders are available upon request. As an additional note, the RiverCenter lighting inventory does not include any Fresnels or 50-degree tubes for Source- 4's. A total of ten (10) lighting booms of ten to fifteen feet in height can be created to a show's specifications. It is possible to hang original lighting plots, but this is also dependent upon advance notice, equipment availability, and the approval of RiverCenter's Technical Director.

For concert applications, a secondary plot named the "Optional Concert Lighting Plot" has been created, but unlike the "Default Lighting Plot" it is not hanging on an everyday basis, therefore, additional costs and time are necessary for its use. It is essentially a substitute for a 60K back light rig, consisting of Source -4 pars combined with ample front lighting.

All stage lighting positions are hung on battens and must be focused with a lift. RiverCenter has one (1) Genie Lift in its inventory. FOH positions are accessible from Catwalks, and no climbing is necessary to reach these positions. Three (3) spotlights are available and are controlled from a booth accessible from a third catwalk at the rear of the hall.

Any lighting questions should be directed to the Lighting Coordinator Tina Martin: [TMartin@rivercenter.org](mailto:TMartin@rivercenter.org)

## RiverCenter for the Performing Arts Lighting System

**\*RiverCenter lighting equipment services three (3) performance spaces; therefore, some equipment usage is subject to availability. Contact the Lighting Coordinator before planning to use any of the equipment listed below.**

### Inventory:

Used in Heard FOH Catwalk only:

(26) – 10 Degree ETC Source 4 (575W)

(42) – 19 Degree ETC Source 4 (575W)

(4) – 26 Degree ETC Source 4 (575W)

Used on Heard Mezzanine Rail only:

(1) – 15 to 30 Degree Source-4 Zoom (575W)

(1) – 19 Degree ETC Source 4 (575W)

(12) – 26 Degree ETC Source 4 (575W)

Used over Heard Stage only:

(60) – 26 Degree ETC Source 4 (575W)

(52) – 36 Degree ETC Source 4 (575W)

(25) – Source 4 PARs (575W) W/ Lens Kits (VNSP, NSP, MFL, WFL)

(10) – Altman Sky Cycs (3-cell / 1KW)

(12) – COLORado Batten 72 Tour (LEDs)

3 – Strong Xenon Super Troupers – Medium Throw (2000w)

\*All conventional lighting equipped with C-Clamp, safety cable, and gel frame

### Dimming:

480 ETC Sensor dimmers (2.4K)

88 Separate ETC Dimmers solely dedicated for House Lights

## Circuits:

480 Show Lighting circuits interspersed throughout the theatre

- ✦ 20 (6 circuit) Multi. Cables located in the grid (1 permanently used for fiber-optic curtain) ✦ 47 Circuits located in the raceway for the 1<sup>st</sup> ELEC.
- ✦ 12 Circuits DSR (6 Shared with SR Orchestra Pit location)
- ✦ 12 Circuits DSL (6 Shared with SL Orchestra Pit location)
- ✦ 12 Circuits USR
- ✦ 12 Circuits USL
- ✦ 6 Shared Circuits located on SR and SL Mid-Bridge ✦ 67 Circuits located on 1<sup>st</sup> CAT.
- ✦ 47 Circuits located on 2<sup>nd</sup> CAT.
- ✦ 36 Circuits located on 3<sup>rd</sup> CAT.
- ✦ Other Circuits located at many various locations in the theatre

## Control:

(1)ETC Ion OR (1)ETC Expression 3/ 800 Lighting Console

(1)ETC Reflection backup console

- ✦ 5 pages of 12 backup looks per page

(1) Pathfinder CPU (computer assisted DMX patching system)

(36) DMX outputs located at various locations in the theatre

(8) DMX inputs located at various locations in the theatre

(1) Unison System (architectural lighting control) to control Houselights and Work lights

## Power:

(3) 400A Disconnects (3-phase + ground and neutral) located Stage Left approximately 30' offstage ✦ Female Cam-lock Connections for all

- ✦ Connection for tails available

(1) 100A Disconnect (3-phase + ground and neutral) located SR on mid-loading bridge (1) 100A

Disconnect (3-phase + ground and neutral) located USR on Grid level

Misc:

(1) DF50 Hazer

(10) 50 lb Boom Stands

(10) 10' Pipes for Boom Stands

(10) 5' Pipes for Boom Stands

(10) Pipe Couplers to join 10' and 5' Pipes together for making 15' Booms

(13) Floor Bases for single lighting fixtures

(4) Iris Kits for ETC Source Four fixtures

\*Gobo Holders and Donuts for ETC Source Four Lekos available upon request