

# **Butler Performance Center Information Rider**

## **Contact Information:**

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## **TECHNICAL SPECIFICATIONS**

Seating Capacity is 189.

The BPC ground floor level is ADA accessible.

ALD (Assistive Listening Devices) are available upon request.

Room Specifications:

From back wall to front row of seats, floor space is 49'-10" X 39'-0".

If seating is not in use, floor space is 61'-9" X 49'-10".

The Press Box is 6'-2" X 10'-5" with one table that is 2'-5" X 6'-10".

The Stage floor is laminate wood flooring on top of concrete.

The Stage Door Stage Right is 6'-10" wide x 8'-10" high x 11'-2" on Diag.

From the floor to the Bottom of the center Beam is 13'-9".

## STAGE

### **Soft Goods:**

6 panels of walk-along curtains that hang on one long track upstage and two single panels - one on each side of the stage – each on a track. These curtains are 13'-2" high by 15' wide.

Motorized Cyclorama (Roll Drop) is 40' wide and 14' high. This machine is to be operated only by venue Technical Director.

### **Scenery Construction:**

NO construction of scenery or use of power tools is allowed in the venue.

NO painting of the stage floor is permitted.

NO nailing into the stage floor is permitted.

## LIGHTING

### **Lighting Inventory:**

Varilite Control System with NEO X5 Console.

56 - RGBW House Lights on Pendants each with a 50 degree beam.

17 - Varilite PLT SPX2550LT Black

4 - Varilite 1600 Profile Black (moving fixture)

10 - ETC Color Source Cyc units.

## AUDIO AND VIDEO

### **Audio/AV/PA Inventory:**

Scenic Projection System:

2 - Ultra short throw lenses

1 – blended/seamless 13' x 40' image

2 – HDMI inputs

Touch panel control in Audio Rack

### **Audio System:**

#### Main Loudspeaker System

3 - point-source loudspeakers mounted above the seating area.

1 – suspended subwoofer located behind center loudspeaker cluster

System supports wireless microphones, Bluetooth playback,  
HDMI audio sources, mixing console output and the assistive listening system.

#### Stage Loudspeaker System

A secondary loudspeaker system is installed above the stage area to provide localized coverage for performers.

Six (6) loudspeakers suspended from structure above

Independently controllable volume and source selection.

#### Back of House Loudspeaker System

The back-of-house loudspeaker system allows backstage personnel to monitor activity in the main room in real time and is fed by dedicated listen-through microphones located within the rehearsal space.

One (1) ceiling loudspeaker in the Green Room

One (1) ceiling loudspeaker in the Dressing Room

#### Audio Mixing System

The system supports two (2) modes of operation:

Self-serve mode (Touch Panel Operation)

Operated via any of three (3) touch panels:

System power on/off

Audio source selection

Wireless microphone level control

Bluetooth playback level control

HDMI audio level control

Presentation projector source selection

Video record/streaming source selection

Advanced mode (Console Operation from the Press Box or via iPad App)

One (1) thirty-two (32) channel digital mixing console

One (1) sixteen (16) input by eight (8) output digital stage box

Stage box connects via Cat6 at the Stage Left wall plate

Full routing flexibility between all audio inputs and outputs via the networked audio system.

### Wireless Microphone System

The wireless microphone system includes four (4) total channels:

Two (2) handheld transmitters

Two (2) bodypack transmitters with headset microphones

Four (4) rechargeable batteries and charging docks

Remote antenna

Receiver located in the AV equipment rack

Wireless microphones are available in both Self-Serve and Advanced operating modes.

### Stereo Room Recording Microphones

Utilized for recording, streaming, assistive listening and listen through to back-of-house areas.

Two (2) permanently mounted condenser microphones

Installed on a stereo bar assembly

Connected directly to the DSP and mixing console

### Assistive Listening System

The system includes a two-channel assistive listening system designed to meet ADA requirements. The stereo room microphones and/or program audio may be routed to the transmitter.

- One (1) assistive listening transmitter
- Six (6) portable receivers with charging docks
- Six (6) ear speakers
- Six (6) neck loops

## **Control System**

### *Touch Panel Controllers*

The system includes three (3) touch panel controllers:

- One (1) mounted on wall above the stage left wall plate
- One (1) table-top mounted adjacent to the audio console in the press box
- One (1) rack mounted in the AV equipment rack

Touch panels provide:

- System power on/off
- System operating mode (Self-Serve via touch panels or Advanced via audio mixing console)
- Audio source selection
- Audio level control
- PTZ camera control
- Streaming/recording source selection
- Projector source selection
- Projector screen up/down control
- System health monitoring

All touch panels mirror core functionality, allowing system operation from multiple positions.

## **Video System**

### *Video Inputs*

The system includes multiple video input locations to allow flexibility for presentations and recording.

#### Stage Left Wall Plate

- One (1) HDMI input via Cat6

- One (1) 3G-SDI input for Owner Furnished camera

#### Press Box

- One (1) HDMI input for computer or presentation source

#### Middle House Right Input Wall Plate

- One (1) 3G-SDI input

- One (1) Cat6 network connection

#### PTZ Camera System

The camera is available for recording and/or streaming.

- One (1) ceiling-mounted PTZ camera located at the rear of the room.

Controlled via the touch panel interface located in AV equipment rack and/or via iPad app.

- Routed through the video matrix system

#### Video Matrix and Routing

All HDMI and SDI sources are routed through an SDI video matrix mixer controlled by the touch panels.

- One (1) video matrix switcher located in the AV equipment rack.

The matrix provides routing to:

- Presentation projector

- Streaming encoder/recorder

#### Streaming System

The system allows selection of video and audio sources for live streaming and internal recording.

- One (1) dedicated streaming and recording encoder with touch panel display/monitor

- Mounted on pull out shelf within the AV equipment rack

- Controlled via touch panel interface

- Includes headphones for audio monitoring

#### Presentation Projection System

This system is used for display of HDMI input sources.

- One (1) permanently mounted ceiling projector – black

One (1) fast-fold portable projection screen with a fourteen foot (14') wide by eight foot (8') tall viewing area.

### **Intercom System**

The intercom system includes:

- One (1) main intercom station located in the AV equipment rack

- Six (6) intercom wall plates distributed throughout the space, including one (1) integrated into the main Stage Left wall panel

- Five (5) single-channel beltpacks with ten-foot (10') cables

- Five (5) single-ear headsets

Each intercom wall plate provides two (2) XLR connectors for Channel A and Channel B communication.

### **Infrastructure and Execution**

#### **AV Equipment Rack**

One (1) centralized AV equipment rack houses:

- DSP and control processor

- Amplifiers

- Wireless microphone receivers

- Video matrix switcher

- Streaming encoder

- Network switch

- Power management and uninterruptible power supply (UPS)

#### **Network, Wire and Custom Plate/Panel Infrastructure**

- One (1) managed AV-specific network switch

- One (1) AV-specific wireless access point

- Custom wall plate and rack panel terminations as required

Stage Left (8" x 8" x 4" Backbox)

- Audio stage box – EtherCon

HDMI in  
SDI in  
Network tie line – EtherCon  
Four (4) XLR audio inputs to DSP  
Bluetooth audio input  
Intercom A - XLR  
Intercom B – XLR

House Right Wall Mid-room (4-square box with 2-gang Mudring)

SDI In  
Network Tie Line – EtherCon

Press Box (3-gang Backbox)

Audio network – EtherCon  
Network tie line – EtherCon  
HDMI In  
Intercom A – XLR  
Intercom B – XLR  
Pass through for touch panel network cabling

AV Equipment Rack (2RU Panel)

Stage Left network tie line – EtherCon  
House Right wall network tie line – EtherCon  
Press Box network tie line - EtherCon

