



# TECHNICAL INFORMATION PACKET

AS OF July 2024

## THE CLAYTON CENTER – TECHNICAL INFORMATION PACKET

Thank you for considering **The Clayton Center** for your performances. This technical packet is meant to provide you with a basic overview of the equipment and services we can provide. Additional equipment is available in the market at competitive rates.

The Clayton Center is a full service performing arts center serving the Triangle and Eastern North Carolina. The renovated, historic theatre seats a total of 600 on the orchestra (426) and balcony (124). The professional technical staff will provide support for your event in all areas.

### **Contact:**

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## LOADING AREA

Truck and tour bus access is provided by a service lot off of Fayetteville Street, leading to the backstage entrance. The entrance is ground level with a sidewalk incline that leads directly into backstage area. Please note that trucks are not under cover. Access from backstage onto stage is by roll-up door in direct alignment with exterior door; door opens onto up-stage center. A 16' W x 9'-9" stage lift is used to take gear from the ground level to the stage level, at a travel height of 3'-10 ¾".

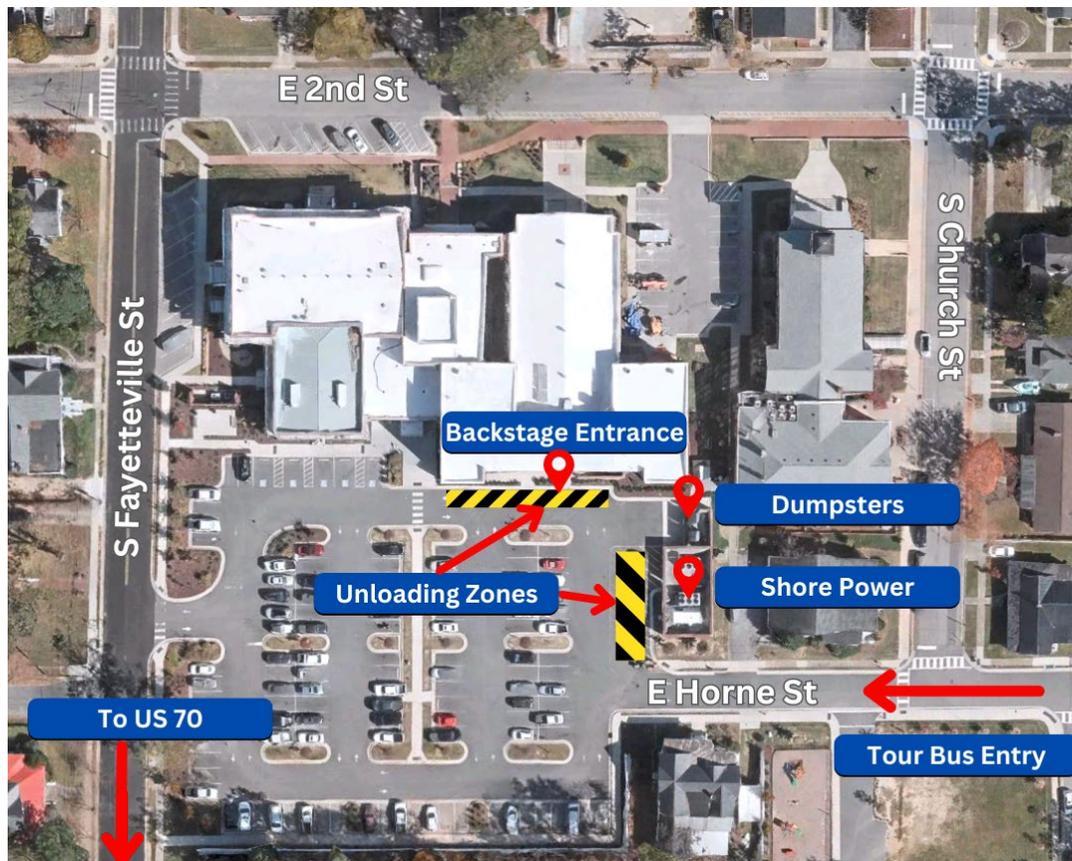
**Unloading Zone:** 32' wide open area for production truck and tour bus parking

- Distance from unloading zone to street entrance = 298 feet
- Distance from unloading zone backstage entry = 55 feet

**Shore Power:** located on the Unloading Zone side of the HVAC building

**Backstage Area:**

- Backstage entry height above parking lot = 18 inches
- Parking Lot to backstage door = 18" incline
- Arched entry leading to backstage door = 10'-8" H x 6'-9" W
- Door opening (double-swing) into backstage = 9'-8" H x 7'-10" W
- Door opening (roll-up) from backstage onto stage = 10'-11" H x 13'-4" W • Stage lift = 16' W x 9'-9" D; travel distance = 3'-10 ¾"



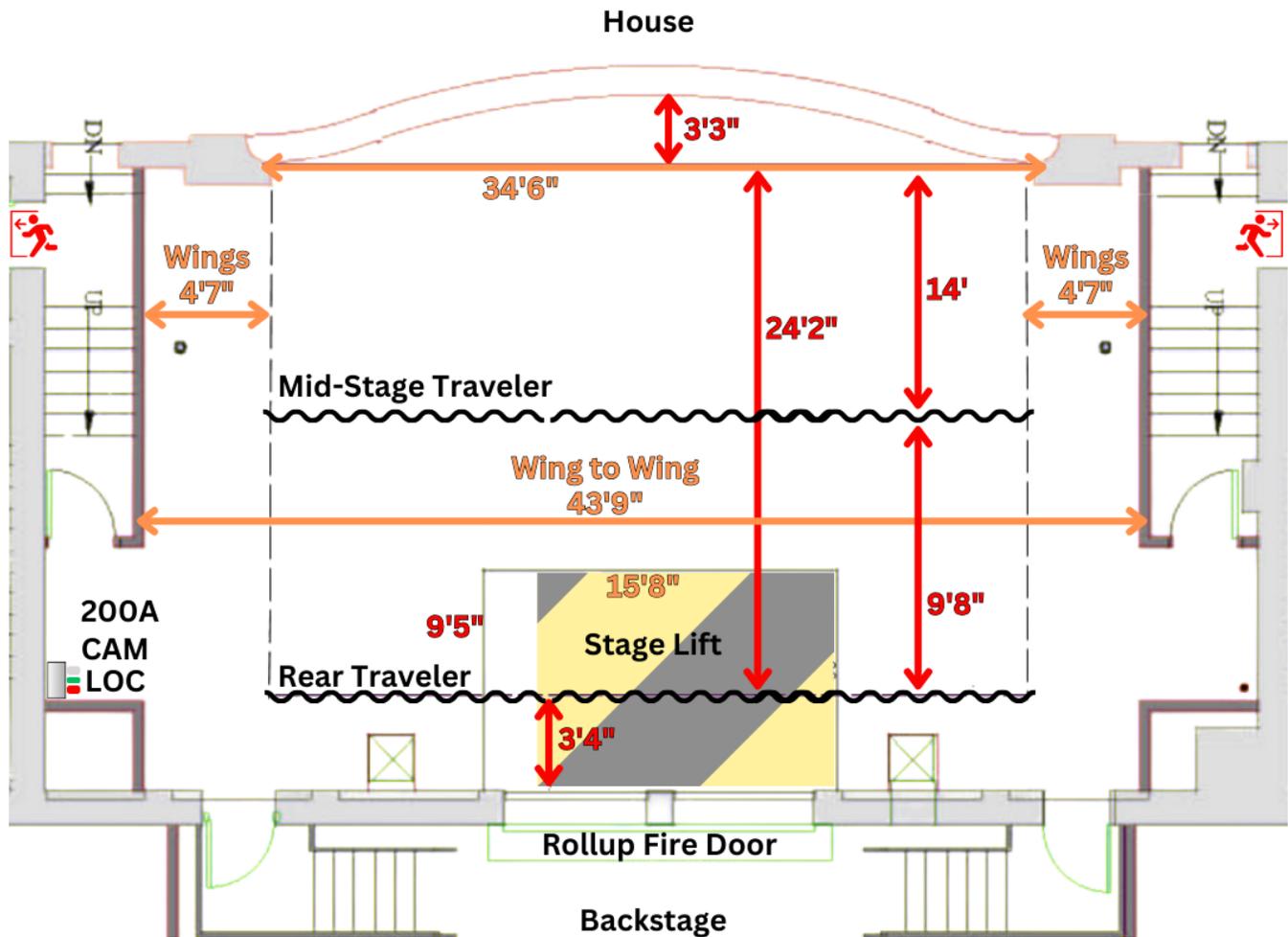
**Proscenium opening: 34'-7" wide**

- Height: 14'-5" from floor to fixed valance.
- Depth: 30'-0" plaster line to back wall.
- Apron measures 3'-0" from plaster line to the proscenium center.

**Wing Space:**

- 4'-7" wide SR
- 4'-8" wide SL

There is no orchestra pit.



**Measurements (average) from Deck to:**

- Proscenium 17'-3"
- Electrics Fixed 19'-6"
- Bottom Fixed Valance 14'-5"

**Lighting Instrument Throw:** House positions (electrics) are available on the balcony rails and the cove position.

**Projection Throw:** DLP Projector (Installed under balcony) to House Screen: 60' (12000 lumens long throw lens).

The house cyc may also be used as a screen at 69' mid-stage and upstage the rear traveler at 84'.

**Seating Distances:**

- First row to stage is 4'.
- Back of orchestra to stage is 54'.
- Back of balcony to stage is 75'.

## House Electrics

The Clayton Center has a house plot that can be adapted to your needs. Onstage are three electrics with a fourth for cyc lighting. A house plot is included in this package.

**Lighting:** The Control Booth is located in the rear of the balcony level.

- ETC ION console, 2x20 fader wing, 2 ELO touch screen monitors.
- System is configured dimmer per circuit.
- House lights are operable by ETC console.

No.	Type Of Unit	Brand	Watts	Lamp
6	Source Four 19 degree	ETC	575	HPL
18	Source Four Jr. 25-50 zoom	ETC	575	HPL
2	Acclaim Fresnel	Selecon	650	FRK
2	Lycian Clubspot 7.5	Lycian	750	HPL
10	Mega Par 38	ADJ	5 (3)	LED
16	SlimPar Pro RGBA	Chauvet	1 (42)	LED
6	COLORado 2 Quad Zoom	Chauvet		LED
8	I-CUE Intelligent Mirror	ROSCO		
6	Spectra Cyc 200	Altman	200	LED
4	Rogue R2 Spot	Chauvet		LED
2	Intimidator Spot 155	Chauvet		LED

Booth lights are operable by wall switch in lighting control room. DMX 512 company connection is available onstage; connection upstage-left, downstageright. DMX 512 connections at each electric position, 1E, 2E, 3E, 4E, FOH, TORMS HL & HR.

**Light Instruments:**  
(Not all instruments are

patched or hanging in the standard house plot.)  
Follow spots in FOH position LEFT and RIGHT

## **DLP Projection**

Digital Projection M-Vision 930 3D Series projector mounted underneath Balcony FOH. 12' x 16' Draper Signature Series retractable screen mounted in front of Main Curtain.

### **Miscellaneous Equipment:**

- 7 – Wenger Roughneck music stands
- 8 – A/C clip lights
- 5 – battery LED clip lights
- 2 – A/C w/ battery option LED cliplights

### **Power:**

(1x) 200A 3Y/208VAC disconnects located upstage left with equipment ground. Camloc connection, no house distro. Stage disconnect fed separately from the 350A power listed below. (1x) 350A 3Y/120VAC disconnect located upstage right with equipment ground.

## **Goods and Rigging**

- Main Curtain travels.
- Mid-stage traveler permanently located 16' upstage of the proscenium.
- Rear Traveler permanently located upstage of the proscenium.
- Projection screen permanently located 2'-8" upstage of the proscenium.

### **Cyclorama**

There is one (1) cyc; the actual size is 19'-8" by 39'-6" with chain pocket. The cyc trims out at 22'-6".

### **Ladders**

- 1 - 4' Fiberglass
- 1 - 6' Fiberglass
- 1 - 8' Fiberglass
- 1 - 20' JLG Genie lift, battery powered

### **Piano Backline**

- 1 – Baldwin S-D-6 Grand Piano (Black) available upon request with tuning fee.

# Sound System

The sound system has three components:

- Sound reinforcement/playback
- Intercommunications (EarTec Wireless) (7)
- WiFi Listening Assistance (Listen Everywhere)

## Sound Reinforcement:

The sound reinforcement capability of our system is partially appropriate for amplified concerts. The sound booth is located in the house right rear of the balcony.

## Processing and Rack Gear:

- 1 Allen & Heath Avantis Digital Console
- 1 Allen & Heath GX4816 Stage Box
- 1 Yamaha M7CL-48ES Digital Console
- 2 Yamaha SB168-ES Ethernet Stage Boxes
- 1 Denon DN-500BD MKII Blu-ray/DVD Player
- 1 Numark Single Disc CD Player

## Microphones:

- 1 Shure ULXP4 wireless ULX1 lavalier microphones
- 2 Shure ULXP4 wireless handheld microphone (V7 capsules)
- 3 SE Electronics V7 super-cardioid microphones
- 3 Shure SM57 cardioid microphones
- 4 Shure SM58 cardioid microphones
- 3 AKG C3000 condenser microphones
- 2 AKG C1000 condenser microphones
- 2 Crown PCC 160 floor-mounting microphones
- 1 Whirlwind PCDI Stereo DO box
- 5 Radial Passive DI boxes
- 2 dbx dB12 Active DI boxes

## Microphone Stands:

- 7 Adjustable straight mic stands
- 16 Tripod mic stands w/boom
- 2 Short mic stands w/boom

## Speakers

### FOH:

- 8 DAS Aero 8A boxes, flown
- 2 DAS Aero 8A boxes, front fills
- 2 DAS SX-218 subwoofers, ground stacked

**Monitors:**

- 6 Yamaha DHR12M powered stage monitors
- 4 Mackie Thump 12A powered stage monitors
- 6 EON 10 powered stage monitors
- 2 tripods to create temporary side fills

Road/production mixing position located rear of orchestra, house right, under balcony.

This position cannot be moved. A decibel meter may be provided to ensure a max level of 95db in house at mix position.

**Intercom System**

EarTec wireless headset system w/7 headsets, EarTec Hub located in stage left wing.

(Secondary) ClearCom headset system w/7 belt packs and single muff headsets.

Permanent stations are located:

- stage left and right
- spotlight positions, house left and right
- house lighting control booth
- house mix console

**Assisted Listening**

Listen Everywhere – accessed via WiFi

## WARDROBE

**Dressing Rooms:**

All dressing rooms have vanity mirrors, lights, garment racks and sinks.

- 1 Principal/VIP 1 - 4 people  
restroom in dressing room
- 1 Standard 4 - 6 people  
restroom in hallway

Green Room is available for the company.

**Wardrobe Supplies:**

- 1 Iron
- 1 Ironing board
- 1 Steamer