

# Theatre Technical Specifications

## Auditorium Seating Capacity:

Orchestra Section:	241
Left Stadium Seating:	94
Center Stadium Seating:	86
Right Stadium Seating:	94
TOTAL SEATING CAPACITY	515

Of these 515 seats, 18 are removable for handicap access and/or technical needs.

## Loading Access:

There is a loading dock located at the back of the Performing Arts Center. It is situated on the East side of the North wall of the building and is at standard trailer height. The loading door is an overhead metal door that manually cranks open and is 8' wide x 10' high. The loading dock is part of a small scenery storage room 14' deep and 28' wide. The dock and storage room are at the same level as the stage deck.

## FOH Dimensional Information:

All lighting measurements are taken from the Center Line / Plaster Line intersection from 5' off the deck, Throw is measured from light fixture to that point. Booth and FOH control locations are only horizontal measurements.

<u>Position</u>	<u>Throw</u>	<u>Angle</u>	<u>Elevation</u>
1 <sup>st</sup> Catwalk	21'8"	37°	18'
2 <sup>nd</sup> Catwalk	36'5"	21°	18'
Follow Spot at 2 <sup>nd</sup> Catwalk	38'4"	23°	21'6"
Follow Spot at Booth	68'6"	4°	12'
Booth	68'6"		
FOH Mix	26'4"		

# Stage Specifications

## Stage Floor:

The stage floor is ¼” hardboard over 5/8” plywood and 2x4 sleepers at 16” O.C., on a concrete slab. There are no traps. The floor is painted black and re-painting by individual groups is not allowed. Any damage to the floor must be restored at load-out.

## Stage Dimensions:

Stage height to auditorium floor:	3’0”
There is no grid	
Proscenium height at center:	20’10”
Proscenium width:	45’9”
Loading gallery (height):	38’5”
Depth of stage* (from plaster line):	27’10”
Width of stage: (from fly rail SR to SL wall)	87’5”
Stage Left: (SL wall to onstage edge of proscenium)	22’4”
Stage Right: (fly rail to onstage edge of proscenium)	19’4”

## NOTES

**\* There is a HVAC duct running across the US wall approximately 22’ off the deck which makes the effective depth of the stage 25’10”.**

## Orchestra Pit / Stage Apron:

The apron also serves as a covering for the orchestra pit. It consists of 13 platforms that are adjustable to two heights. The first is the deck and the second is the auditorium floor, they can be fully removed to use the pit. The platforms are a black polyvinyl surface and can be removed with advance notice and for an additional fee.

DS edge of stage to DS edge of apron/pit: (on center line)	8’
Width of pit at back edge of pit:	44’

# Rigging Specifications

There are a total of 21 single purchase T-track counterweight line sets. The battens are 1.5" schedule 40 pipes with six pick points each. There is no grid or catwalk system above the stage. The maximum weight varies per arbor. There are a total of 880 counter weight bricks equalling 21,890.7 lbs.

## Line Set Schedule

LINE No.	POSITION	HOUSE HANG	SHOW HANG	DEAD WEIGHT (LBS.)	SHOW WEIGHT (LBS.)	AVAILABLE ARBOR LOAD (LBS.)
0	0'-3"	Fire Curtain		739	739	909
1	1'-0"	Grand Valance		252	252	1396
2	1'-8"	Grand Drape		691	691	688
3	3'-0"	1 <sup>st</sup> Electric		499		1417
4	4'-4"	1 <sup>st</sup> Masking Legs		463	463	916
5	5'-8"	Spare Set		156		1223
6	6'-4"	Spare Set		156		1223
7	7'-0"	Spare Set		156		1223
8	8'-4"	1 <sup>st</sup> Teaser		240	240	1139
9	9'-8"	2 <sup>nd</sup> Masking Legs		463	463	916
10	11'-0"	2 <sup>nd</sup> Electric		499		1417
11	14'-4"	Spare Set		156		1223
12	15'-0"	Spare Set		156		1223
13	15'-8"	2 <sup>nd</sup> Teaser		240	240	1139
14	17'-0"	3 <sup>rd</sup> Masking Legs		463	463	916
15	18'-4"	3 <sup>rd</sup> Electric		499		1417
16	20'-4"	White Scrim		295	295	1084
17	21'-0"	Black Scrim		295	295	1084
18	21'-8"	Rear Curtain		691	691	688
19	SR EOS	SR Side Set		60		1319
20	SL EOS	SL Side Set		60		1319
21	23'-8"	Cyclorama		325	325	1054

# Lighting and Electrical

## Lighting System:

Console: ETC Express 72/144 with one monitor and one RFU

Dimming: Two ETC Sensor SR48 racks with D20 2.4KW Dimming Modules, totaling 192 Dimmers

Unison Architectural Dimming for house light control

## Power Distribution:

There are six dedicated Electrics onstage. The downstage Electric (line set 3) has 23 circuits (dimmer per) and two non-dim circuits. The midstage Electric (line set 10) has 17 circuits (dimmer per) and two non-dim circuits. The upstage Electric (line set 15) also has 17 circuits (dimmer per) and two non-dim circuits. There are also Electrics both SL and SR each with three 6' lighting ladders with 9 circuits (dimmer per) and one non-dim circuit.

There are nine floor pockets. 3 SL, 3 SR, and 3 US. Each floor pocket has 4 dimmable circuits and one non-dim circuit. There are 12 circuits (dimmer per) in the SL pockets, which are mirrored/shared with the SR pockets. The non-dim circuits in the midstage pockets left and right are standard Edison plugs. The upstage pockets have four dimmable circuits and one non-dim circuit that repeats in each pocket.

The remaining dimmers are distributed evenly throughout the FOH positions.

## Lighting Inventory:

- 6 - 50° Strand SL Ellipsoidals
- 6 - 36° Strand SL Ellipsoidals
- 12 - 26° Strand SL Ellipsoidals
- 12 - 19° Strand SL Ellipsoidals
- 24 – Strand 6” Fresnels
- 12 – ETC Source Four PARs
- 2 – Phoebus Ultra Quartz II Follow Spots
  
- 9 – B size pattern holders
- 6 – Strand Top Hats
- 18 – Strand Barn Doors
- 14 – City Theatrical Barn Doors (S4 PARs)

# Sound

## FOH Console:

Allen & Heath GL 3300 32-Channel Mixer

32 channels with 8 busses, 8 aux sends, 10x2 matrix, 4 mute groups, 4-band EQ, 2 stereo returns, and 4 stereo inputs

## Monitor Console:

Allen & Heath Mix Wizard 16-Channel Mixer

16 channels, 6 aux sends, left, right, and mono busses, 4-band EQ

## **FOH Rack:**

(1) Tascam CD-A700      CD/Tape Deck

## **Mon Rack:**

(3) DBX 2231      Dual Channel EQ's

(1) Crown XLS202      Power-amp

## Speaker Configuration:

Left Right Mains:

2 EAW KF300E 3-way speakers positioned permanently on each side of the house, providing full coverage and concealed within the walls. 2 QSC PLX3002 power-amps power the mains

Monitor Speakers:

4 EAW SM129 2-way stage monitors powered by 2 QSC PLX1602 power-amps.

## Mix Position:

The mix position is usually in the booth, which is located at the back of the house approx. 57' from the apron/orchestra-pit and approx. 65' from the proscenium.

The mix position can be moved to the last row of the center section, which is approx. 28' from the apron/orchestra-pit and approx. 36' from the proscenium.

## **Microphones:**

4	SM81	Cardiod Instrument Condenser
1	Beta 91	Cardiod Instrument Condenser
2	MX 392/C	Cardiod Boundary Microphone
4	MX 202 BP/S	Supercardiod Overhead Condenser Microphone
3	Beta 98	Supercardiod Instrument Condenser
4	SM57	Cardiod Dynamic Instrument
6	SM58	Cardiod Dynamic Vocal
4	AV1	Direct Input Box

## Sound (cont.)

### **Sound Accessories:**

- 1300+ ft. XLR Cable
- 40 ft. Speakon
- 2 mini round base microphone stands
- 12 round base boom microphone stands
- 8 round base microphone stands

### **Communications:**

- 5 CC-95 single-sided headsets
- 5 CC-260 double-sided headsets
- 2 HS-6 telephone-style handsets
- 9 RS-501 single-channel belt packs
- 2 RS-502 dual-channel belt packs

The building is hardwired with 2 channels of clear-com with ports at all the appropriate technical locations.

### **Backstage Paging System:**

The building is equipped with a backstage monitor and paging system that feeds the dressing rooms, booth, bathrooms, green room, and lobby. The control stations for paging are located downstage right, in the office, and in the control booth.