



STATE THEATRE

CENTER FOR THE ARTS

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The following is a brief overview of technical information, dimensions and various facilities aspects of the State Theatre Center for the Arts. All dimensions shown are approximate due to certain physical restrictions and varying measurement procedures. If there are any questions, please feel free to call our office.

Crew Notes

This facility is a *non-union* venue and utilizes the following technical, stage, and house staff:

Technical Director	Wardrobe Assistants
Stage Manager	Deck Carpenters
Lighting Designer / Technician / Operator	Deck Electricians
Sound Designer / Technician / Operator	Loaders
Wardrobe Manager	Spotlight Operators

Please Note:

Under no circumstances will an employee of this facility be directed to perform rigging related duties. Any rigging responsibilities will be performed by qualified riggers provided by the touring company at the discretion of the Theatre's Technical Director.

To protect our employees and the interests of our facility, the State Theatre Center for the Arts reserves the right to modify any crew calls deemed necessary. This includes but is not limited to crew call totals and work descriptions.

All Theatre equipment and property will be operated by the State Theatre staff. This policy is in place to protect the Theatre's equipment investment. Unless specifically designated by the Technical Director or Stage Manager, no touring personnel will operate any Theatre equipment.

Auditorium Seating

Orchestra:* † 372

Upper Orchestra / Mezzanine: 410

Balcony: 622

Total Capacity: 1404

** If the touring company requires an area for sound and light consoles, one is provided at the rear of the orchestra, center section in the sound and light booth. Advanced notice is required as some sound and lighting consoles may obstruct the last row of seats.*

† If the touring company requires any cabling run from the stage to the booth, a floor pocket is provided stage right and all cabling will be run under the floor to the sound and light position. The approximate distance is 100' with sufficient cable slack included in the measurement.

Electrical

Lighting Control :

ETC - Expression 3

- 600 cues / show, 500 Groups
- 24 Submasters
- 3.5" disc drive & 2 color monitors
- Moving lights package

The lighting console is located at the rear of section 2 (Lower Orchestra center, approximately 53 feet from the stage.) House lighting control is available in the control booth by means of an ETC Unison LCD touch screen. Plug-in stations for remote focus units are provided stage right and in the balcony.

Dimming:

144 – Sensor D20AF 2.4Kw dimmers

Instrument Inventory :

40 – 19 ° ETC Source 4

30 – 26 ° ETC Source 4

12 – 36 ° ETC Source 4

48 – Source 4 Pars – Lenses available for each VNSP,NSP,MFL,WFL

8 – L&E 3 Circuit Cyc Strips 1000w

Lighting positions and circuitry:

Front of House:

- **Far Box Booms**

Audience left and right

Approximately 33 feet from stage; 28 feet/highest point

6 circuits per side

- **Balcony rail**

One pipe

Approximately 47 feet from stage; 22 feet/highest point

32 circuits

Stage positions:

- **Downstage Left and Downstage Right**

Located at the Plaster Line- 6 circuits each.

- **Electric 1**

24 circuits with 18" tails. The position is fixed.

- **Electrics 2 through 4**

24 circuits - 4 drop boxes each pipe.

- **Ground Row Upstage**

12 circuits – 4 drop boxes

Power Disconnects:

2 Company Switches – CS200-C6 located downstage right

- 1 – 200A – 6 wire G N N ØA ØB ØC
- 1 – 400A – 6 wire G N N ØA ØB ØC

Feeder cable is not provided by this facility. An in-house electrician will make all final connections to power supply unless specifically designated by the Technical Director.

Audio

Sound Console:

Allen & Heath ML-4000

Inputs and Outputs

Frame size: 28+6 (mono + dual stereo channels)

Main Left, Right and Center outputs with inserts.

8 Groups, 12 Auxiliaries: Group/Aux 1-8 and Aux 9-12 with faders and inserts, Aux 1-8 with rotaries

Groups and Automation

8 VCA groups with mutes and PAFL monitoring

8 audio groups with LCR sub grouping

8 mute groups

Processing and Control

4-Band full sweep mono EQ with switched Q mids, 4-band fixed frequency stereo EQ

The mix position is located at the rear of Section 2, Orchestra, center, approximately 53 feet from the stage.

Monitor system and control:

Monitors are controlled via Auxiliaries from the FOH console

2 mixes, Carver PT-1800 amplifier

2 – EV Wedges

2 – Sunn Wedges

Speaker enclosures: See Note

Mains:

2 - EAW DSA230 & 2- EAW DSA250– Stereo

- Located 7' up on the proscenium arch in a 2A Configuration per side

2 - RMS Subwoofers 2 – 15" drivers per side – Stereo

- Carver PT-1800 amplifier

1 - EAW UB52 Full range Center fill – Crown K1 amplifier

- Location – front of stage

Under Balcony Fill:

2 - EAW UB52 Full range – Crown K1 amplifier

- Location – Under balcony, go figure.

Balcony Reinforcement:

2 - EAW DSA230 & 2- EAW DSA250– Stereo

- Located 12' up on the balcony sides in a 2D Configuration per side

Signal Processing:

All speakers are controlled by a DBX DriveRack 480 and DriveRack 480R Remote. The 480 controls all house EQ and crossover. Delay between the Mains and Balcony reinforcement is handled by the speaker's internal digital signal processing. Delay for the Under Balcony Fill is handled by the DriveRack.

Note: *The main speakers are a digitally steered array. Utilizing on-board amplification and DSP they easily attain optimized vertical coverage for the Theatre. Unless higher sound pressure levels are required, it is strongly recommended that most touring companies consider using our mains with their consoles and FOH drive.*

Playback:

Tascam 302 - Double auto reverse cassette deck

Marantz CDR310 - Dual bay CD recorder/player – MP3 Compatible

Wireless microphones available at extra rental charge.**Headset Communications:**

Clear-Com MS440 Base Station Located at house lighting position

2 channel hard wired positions for belt packs.

- 3 S/R, 1 S/L, 3 Booth, 2 Spots

Wall stations in each dressing room, Green Room and offices

Musical Instrumentation:

The State Theatre Center for the Arts maintains *no* inventory of musical instruments or amplifiers except for a 7 foot Steinway Grand piano – black. If the piano is to be used, advance notice is required for tuning.

*Please notify us in advance of any additional sound requirements. Shows that carry their own sound systems are **required** to connect to the Theatre's balcony sound reinforcement; This is to ensure a proper sound mix throughout the auditorium. The balcony sound mix shall be monitored by a qualified member of the Theatre staff, and shall be adjusted accordingly.*

General Stage Information:

Stage load-In point

The load doors are 6 feet above street level and are approximately 6 feet wide by 8 feet tall. The doors open directly onto stage deck and equipment is loaded via ramps from truck to scaffolding to stage.

Parking behind the Theatre is available if the facility is notified in advance of the number and type of vehicles to be parked or unloaded.

Note: Ramps are not supplied by this facility.

Entrances to house from stage:

Entrance to the lower orchestra and balcony is from the stage-left wing. There is no access to the house stage-right.

Orchestra Pit

The pit is semi-circular in shape. Depending on instrumentation, it should accommodate approximately 10 musicians.

Pit access is from the front of house.

The facility provides up to 30 music stands, 30 stand lights and 30 musician's chairs.

Stage Flooring:

The stage floor is a combination of oak (downstage) and pine (upstage) covered with painted Masonite.

Note: The dance quality of the floor may be considered fair. Marley floors must be provided by the touring company or they may be rented at the touring company's expense.

Masking and Soft Goods:

Legs:

Four pairs of black velour.

- Set 1: 28'h x 13'w
- Sets 2, 3 & 4: 25'h x 13'w

Borders:

A total four black velour borders: 10' x 42'

Cyclorama: Natural muslin: 40' x 20'.

Stage-Black: One piece black velour: Dimensions: 42' x 25'

Note: The only crossover space is behind the black-out leaving approximately 20 inches to the back wall.

House Curtain Teaser: The teaser is permanently hung.

House Curtain:

The house curtain may be drawn or flown, however the curtain may not be drawn and then flown.

Grid and Rigging:

Grid height:

At approximately 60 feet above the stage deck, the grid may be accessed via 2 built-in metal ladders: One located on the rear wall, stage left and the other at stage right after the last line set. This ladder also accesses the load floor.

Grid construction:

Metal on metal throughout. Companies may rig electric chain hoists as needed.

Fly System

The fly system is 21 counterweight arbors.

Spot lines from grid (pick points): 6 Stage right, 4 Stage left.

Fly system location: Stage right

Counterweight available: 3,000 lbs

Note: Extremely heavy items may not be suspended from certain linesets due to the age and diameters of their battens.

Stage Dimensions – In brief

Proscenium opening: 37'

Apron: 4'

Stage Depth from plaster line 24'

Dressing Rooms:

Four dressing rooms on two floors, off stage left.

Three dressing rooms are equipped with showers.



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Attachment 1 Hang Plot

Line-set number	Distance from plaster line	Usage	Pipe length, Joint(s), Inside Diameter	Notes
Grand Drape	1'5"			
1*	2'5"	Projection Screen & 1st Legs	42', 21', 1.5"	Fixed
2*	3'3"	1st Border	42', 21', 1.5"	
3	4'	1st Electric	42', 21', 1.5"	24 circuits - Fixed
4	4'11"		38'6", 21', 1.25"	
5*	5'9"		42', 21', 1.5"	
6*	7'1"	2nd Border	42'3", 21', 1.25"	
7*	7'10"	2nd Legs	42'6", 32' & 12', 1.25"	
8	8'9"	2nd Electric	42', 21', 1.5"	24 circuits – drop boxes
9*	10'1"		42', 12' & 32', 1.25"	
10*	11'		42', 21', 1.5"	
11	12'2"	3rd Border	42', 24' & 8', 1.5"	
12	13'2"	3rd Legs	42', 21', 1.5"	
13	14'1"	3rd Electric	35', 17', 1.5"	24 circuits – drop boxes
14*	15'6"		42', 21', 1.5"	
15	18'2"		42', 21', 1.5"	
16	18'10"	4th Border	42', 21', 1.25"	
17*	19'7"	4th Legs	42', 21', 1.25"	
18*	20'4"	4th Electric	42', 21', 1.25"	24 circuits – drop boxes
19	21'2"		42', 21', 1.25"	
20	21'11"	Cyclorama	42', 21', 1.5"	Fixed
21	22'9"	Stage-Black	42', 21', 1.5"	Without the Stage-Black there is no crossover

Each pipe has 3 picks

Total available stage weight 6,500

*Line-set numbers marked with an asterisk use older, heavier arbors. The arbor weight is roughly equal to the weight of the pipe.

Most of the pipes are schedule 40, however many of the 1.25" pipes have a greater wall thickness.

