

## **TECHNICAL INFORMATION**

### **GENERAL INFORMATION**

<b><u>AUDITORIUM CAPACITY:</u></b>	Orchestra Level	720
(Continental Seating)	Orchestra Pit	122
Accessible Seating	Wheel Chair	74
	Grand Tier:	1,174
	TOTAL:	2,016

**STAGE DIMENSIONS:** Backstage side wall to side wall, 120'; Proscenium to back wall, 50' Proscenium opening, 27' high by 56' wide; Grid height: 67' 10" Height of clear space in wings (below gallery), 31'6" Depth of apron, 2'6" without orchestra pit;

21'6" with raised pit

**ORCHESTRA PIT:** 18' wide by 51' long, screw jack elevator; Travel distance, 10'; Travel speed, 2.5 FPM

**STAGE EQUIPMENT:** SEE ATTACHED FLY SCHEDULE

Complete portable Wenger orchestra shell

**LOADING DOCK:** Covered, standard loading dock at rear of stage; Two semi truck capacity, 20' x 10' dock door Ample parking is available for trucks and busses

### **FACILITY DIMENSIONS**

**STAGE:** 120' wide by 50' deep (6,000 sq ft), 67' grid; Proscenium opening, 27' high by 56' wide

**LOBBY:** Main floor: 97' by 30' (2,910 sq ft); Mezzanine: 97' by 30' (1,649 sq ft); Exhibit area: 53' by 24' (1,272 sq ft)

<b><u>ORCHESTRA PIT:</u></b>	56' by 19' (1,064 sq ft)
<b><u>BLACK BOX THEATRE:</u></b>	73' by 45' (3,285 sq ft), 18' ceiling
<b><u>REHEARSAL HALL:</u></b>	40' by 40' (1,600 sq ft), 25' ceiling (General use – PA 168)
<b><u>REHEARSAL ROOM:</u></b>	48' by 38' (1,824 sq ft), 18' ceiling (Choral use – PA 160)
<b><u>REHEARSAL ROOM:</u></b>	50' by 48' (2,400 sq ft), 18' ceiling (Instrumental – PA 158)
<b><u>DANCE STUDIO # 1:</u></b>	42' by 38' (1,596 sq ft), 15' ceiling – PA198A
<b><u>DANCE STUDIO #2:</u></b>	28' by 25' (700 sq ft), 15' ceiling – PA 198B
<b><u>SHOP AND SUPPORT:</u></b>	Large scene shop with 10' by 10' entrance to stage; Costume and wardrobe maintenance facility available upon request to include: 2 washers, 2 dryers, ironing board, irons, and steamer
<b><u>DRESSING ROOMS:</u></b>	2 chorus rooms with lavatories and showers (hot and cold water)  6 “star” dressing rooms with lavatory and shower
<b><u>GREEN ROOM:</u></b>	Large green room to serve performers and crew. Equipped with refrigerator, lounge furniture, stage audio and video monitors

### **SOUND SYSTEM AND EQUIPMENT**

Speakers:	JBL Vertec VT4888 Line Array (FOH)
	JBL Vertec VT4822 Subs
	JBL PD5322/95 Center Fill (FOH)
	JBL SRX715 Stage Fills
	JBL VRX932 Balcony Delay
	JBL MS26 Stage Center fill
	JBL 4870 Auxillary Deck Fills

## JBL 4845 Auxiliary Subs

## Amplifiers:

Crown I-Tech Series (Stereo array FOH)  
 Crown CT Series (Front fills, Center fills, Balcony Delay)  
 QSC 1500 (Auxiliary Deck Fills and Subs)

## Speaker Distribution

## Control:

Lake Technologies Contour MESA Speaker Distribution System

with wireless tablet

## Console:

Yamaha PM 4000 (48 mono – 4 stereo input)

## Processing:

1 – Yamaha SPX 2000

4 – Yamaha SPX 990

1 – TCM M 5000

1 - TCM M 3000

1 – TC 2290 Dynamic Digital Delay

1 – TC D2 Multi Tap Delay

8 channels BSS Compressor/Limiter

8 channels BSS DPR 504

6 channels – DBX 166 stereo compressor/limiters

**Monitor System** (16 discrete mixes available)

## Console:

Yamaha PM5D – console

Ramsa WR-SX1 (52 inputs, 20 mixes)

## Wedge Speakers:

18 – JBL Concert Series Model 4802 (2 way)

2 – 12" speakers

1 – 1" horn

## Side Fills

4 –JBL Concert Series Model 4825 (2 way)

1 -12" speaker

1 – 1" horn

**Microphones:**

16 - Shure SM58

10 – Shure SM57

6 - Shure SM81

4 - Shure SM91

2 - Shure SM87

9 - Sennheiser 421

2 - AKG 414

1 - Audix D6

7 – Audix D7

3 – Audix 4

3 – Audix SC4

**Wireless:**

3 – Audix Technica Goose Neck Podium mic  
 Direct Box: 10 – Countryman Model 85 (Active)  
 4 Shure UR124D+ Dual Channel Diversity Receiver  
 8 Shure UR2 Beta 87C handheld microphones  
 8 UR1 wireless body packs

Paging and/or program to dressing rooms, green room and/ or front of house **CURTAIN**

**SCHEDULE**

<i>SIZE</i>	<i>COLOR</i>	<i>MATERIAL</i>	<i>QUANTITY</i>	<i>TYPE</i>
32'H x 14'W	Black	Velour	6 pairs	Leg
16'H x 70'W	Black	Velour	4	Border
28'H x 70'W	Black	Velour	1	Backdrop
28'H x 60'W	Black	Velour	1	Traveler
30'H x 60'W	Green	Velour	1	Act Curtain
30'H x 60'W	Sky Blue	Cloth	1	Cyclorama
30'H x 60'W	Black	Sharks Tooth	1	Scrim

**STUDIO THEATRE FACILITY****GENERAL:**

Capacity: 245+/- flexible seating  
 Dimensions: 45' by 73' (3255 sq ft)  
 Ceiling height: 18' floor to grid (tension wire rope grid)  
 Direct entrance into scene shop

**DIMMING AND CONTROL:**

Control board: ECT Insight III

**LIGHTING FIXTURES:**

18 – Strand 8" Fresnels (1k)  
 29 – Strand 6" Fresnels (750 w)  
 15 – Strand 4.5"x 6.5" ellipsoidals (1k)  
 26 – Scoops (1k)  
 26 – Strand Lekolite ellipsoidals (400 watts)

variable focus

**MAIN THEATER LIGHTING SYSTEM AND EQUIPMENT****DIMMING AND CONTROL:**

Control board: ETE ION  
 Ion with Wing

Dimmers: 253 – 2.4k ETC sensor  
 Circuits: 253 (dimmer per circuit system)

**LIGHTING FIXTURES:**

30 – Source 4 10 ellipsoidals (FOH)  
 78 – Source 4 26 ellipsoidals  
 58 – Source 4 36 ellipsoidals

- 8 - Source 4 19 ellipsoidals
- 70 – Source 4 Par 64
- 10 – ACL Bars
- 2 – 9 light units
- 2 – 40’ double hung lighting with 120 Source 4 Par 64
- 4 – CM 1-ton capacity chain motors with 75’ chain
- 5 – Stand 3 cell far cyc (1k)
- 4 – Lycian 1.2 Superstar Followspot
- 8 – 10’ pipe and base rooms
- LED FIXTURES: 18 - Chauvet Color Dash
- MOVING LIGHTS: 8 - Martin Mac Quantum Profile
- 5 - Martin Rush MH2 Wash

**ROAD COMPANY PROVISIONS:**

- 1 - 200 amp 3 pole disconnect (isolated) with earth or water ground
- 1 – 400 amp 3 pole disconnect company switch
- 1 – 600 amp 3 pole disconnect company switch
- 1 – Plug cabinet with 40 – 36” pigtails with male 3 pin connectors
- 1 – DMX input for house dimmer access on stage

All electrical service stage right, approximately 25” from proscenium. The building is equipped with one upright electric man lift, having a working height of up to 42’.

**FLY SYSTEM:**

Arbor Capacity	1,500 lbs.
Arbor Capacity (Electrics)	2,000 lbs.
Batten low trim	4’ off deck
Length of travel	61’
Height to bottom of grid	67’
Height to pin rail	38.6”

**NOTE: No rigging points available downstage of the proscenium. NO EXCEPTIONS WILL BE MADE.**

FACILITY TECHNICAL DIRECTOR

**Rob Adams**

King Center for the Performing Arts  
 3865 N. Wickham Road Melbourne  
 FL 32935  
 321-433-5822  
 321-433-5917 (fax)

Internet Web site: [www.kingcenter.com](http://www.kingcenter.com) adamsro@easternflorida.edu