



## Technical Specifications

Rob Adams  
Technical Operations Director  
321-433-5822  
321-433-5817 fax  
adamsro@easternflorida.edu

**Maxwell C. King Center for the Performing Arts**  
(A Direct Support Organization of Eastern Florida State College)  
**Melbourne, Florida 32935**  
Technical Director: 321-433-5822 Fax: 321/433-5817

**TECHNICAL INFORMATION**

(Subject to change without notice)

**GENERAL INFORMATION**

**AUDITORIUM CAPACITY:**  
(Continental Seating)

Orchestra Level: 720  
Orchestra Pit: 122  
Grand Tier: 1,174  
**TOTAL: 2,016**  
(Accessible Seating: 74 included in above numbers)

**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; 2'1'6" 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 (2) semi-truck capacity, 20' x 10' dock door  
Ample parking is available for trucks and busses

**FACILITY DIMENSIONS**

**STAGE:**

115' wide by 50' deep (5,750 sq. ft.); 67' grid; *Proscenium opening*: 27' high by 55'6" 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)

**ORCHESTRA PIT:**

56' by 19' (1,064 sq ft)

**BLACK BOX THEATRE:**

73' by 45' (3,285 sq ft), 18' ceiling

**REHEARSAL HALL:**

40' by 40' (1,600 sq ft), 25' ceiling (General use - PA168)

**REHEARSAL ROOM:**

48' by 38' (1,824 sq ft), 18' ceiling (Choral use - PA160)

**REHEARSAL ROOM:**

50' by 48' (2,400 sq ft), 18' ceiling (Instrumental use - PA158)

**DANCE STUDIO #1:**

42' by 38' (1,596 sq ft), 15' ceiling - PA198A

**DANCE STUDIO #2:**

28' by 25' (700 sq ft), 15' ceiling - PA198B

**SHOP AND SUPPORT:**

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

**DRESSING ROOMS:**

2 chorus rooms with lavatories and showers (hot and cold water)  
6 "star" dressing rooms with lavatory and shower

**GREEN ROOM:**

Large green room to serve performers and crew. Equipped with refrigerator, lounge furniture, stage audio and video monitors

**LIGHTING SYSTEM AND EQUIPMENT**

**MAIN THEATER**

DIMMING AND CONTROL: Control board: ETC ION (ver. 2.3.2) with wing 20 x 20

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

LIGHTING FIXTURES: 30 – S4-10 degree ellipsoidal (FOH)  
8 – S4-19 degree ellipsoidal  
78 – S4-26 degree ellipsoidal  
58 – S4-36 degree ellipsoidal  
18 – Strand 6"x 9" ellipsoidal  
18 – Strand 6"x 12" ellipsoidal  
35 – Strand 6" x 16" ellipsoidal  
27 – Altman 6" x 9" ellipsoidal (750 watts)  
20 – Altman 6" x 12" ellipsoidal (1000 watts)  
70 – S4 – Par 64  
10 – ACL Bars  
2 – 9 light units  
18 – Chauvet Par Quad (LED)  
8 – Martin Mac Quantum Profile (movers)  
2 – 40' double hung lighting with 120 Source 4 Par 64  
4 – CM 1-ton capacity chain motors with 75' chain  
5 – Strand 3-cell far cyc (1K)  
4 – Lycian 1.2kw Superstar Followspots  
8 – 10' pipe and base booms

oo

**ROAD COMPANY PROVISIONS:**

AUDIO: 1 - 200 amp 3 pole disconnect (isolated earth ground) with cam connectors  
LIGHTING: 1 - 400 amp 3 pole disconnect company switch with cam connectors  
1 - 600 amp 3 pole disconnect company switch

BUS POWER: 3 – Bay each with 2 pole 250 volt, 50 amp receptacles

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

oo

**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"

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

## **SOUND SYSTEM AND EQUIPMENT**

<b>SPEAKERS:</b>	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 Auxiliary Deck Fills JBL 4845 Auxiliary Subs
<b>AMPLIFIERS:</b>	Crown I-Tech Series (Stereo array FOH) Crown CT Series (Front fills, Center fills, Balcony Delay) QSC 1500 (Auxiliary Deck Fills and Subs)
<b>SPEAKER DISTRIBUTION CONTROL:</b>	Lake Technologies Contour MESA Speaker Distribution System with wireless tablet
<b>CONSOLE:</b>	Yamaha PM 4000 (48 mono – 4 stereo input) NOTE: New DiGiCo SD8 console delivery Oct 2016
<b>PROCESSING:</b>	1 – Yamaha SPX 2000 4 – Yamaha SPX 990 1 – TCM M5000 1 – TCM M3000 1 – TC 2290 Dynamic Digital Delay 1 – TC D2 Multi-tap Delay 8 channel BSS compressor/limiter 8 channel BSS DPR 504 6 channel DBX 166 stereo compressor/limiter

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

<b>Console:</b>	Yamaha PM5D console Ramsa WR-SX1 (52 inputs, 20 mixes)
<b>Wedge Speakers:</b>	18 – JBL Concert Series Model 4802 (2 way) 2 – 12" speakers 1 – 1" horn
<b>Side Fills:</b>	4 – JBL Concert Series Model 4825 (2 way) 1 – 12" speaker 1 – 1" horn
<b>Microphones:</b>	16-Shure SM58; 10-Shure SM57; 6-Shure SM81; 4-Shure SM91; 9-Sennheiser 421; 2-Shure SM87; 2-AKG 414; 1-Audix D6; 7-Audix D7; 3-Audix SC4 condenser 3 – Audio Technica Goose Neck Podium mic
<b>Wireless:</b>	4-Shure UR124D + Dual Channel Diversity Receiver 8-Shure UR2 Beta 87c handheld microphones 8-Shure UR1 wireless body packs
<b>Direct Box:</b>	10 - Countryman Model 85 (Active)

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

## **CURTAIN SCHEDULE**

SIZE	COLOR	MATERIAL	QUANTITY	TYPE
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

oo

## **STUDIO THEATRE VENUE**



**GENERAL:** Capacity: 250+/- 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: ETC INSIGHT III with Channels and submasters  
-Circuits: 96

**LIGHTING FIXTURES:** 18 – Strand 8" Fresnel (1K)  
25 – Strand 6" Fresnel (750 w)  
15 – Strand 4.5" x 6.5" ellipsoidal (1K)  
20 – Scoops (1K)  
26 – Strand Lekolite ellipsoidal (400 watts) variable focus

**STUDIO THEATRE AUDIO CONSOLE:** Midas Venice 320 Analog Console  
32 channels, 4-way sweepable, 80 Hz cut per channel  
4 sub-groups to stereo master  
6 aux-sends (4 post-fader, 2 pre-fader)

**EQUALIZERS:** Dbx stereo 27 band, model 2231 (FOH)  
Dbx stereo 27 band, model 2231 (monitor mix 1&2)  
Yamaha 27 band, model 2031 (monitor mix 3&4)

**EFFECTS:** Yamaha SPX 900 multi-effects  
Yamaha SPX 1000 multi-effects

**CROSSOVER:** BSS model FDS 360 (FOH)  
BSS model FDS 310 (monitor sends)

**POWER AMPS:** QSC model 1500 (per cabinet)

oo

### **TECHNICAL OPERATIONS DIRECTOR:**

**Rob Adams**

King Center for the Performing Arts  
3865 N. Wickham Road  
Melbourne FL 32935  
321-433-5822  
321-433-5817 (fax)

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

## FLY SCHEDULE - King Center for the Performing Arts – Melbourne Florida

Pipe #	Distance from P.L	Usage	Comments
A	0'0"	Valance/F.C.	Not removable
B	0'0"	Fire Curtain	Not removable
1	1'2"	Spare	
2	1'10"	House Main	Travel or Guillotine
3	2'6"	Legs	
4	3'2"	Band Shell	Not removable
5	3'10"	1st Electric	
6	4'6"	Spare	
7	5'2"	Spare	
8	5'10"	Spare	
9	6'6"	Border	
10	7'2"	Leg	
11	7'10"	Spare	
12	8'6"	Spare	
13	9'2"	Spare	
14	9'10"	Band Shell	Not Removable
15	10'6"	Spare	
16	11'2"	Border	
17	11'10"	Leg (split)	
18	12'6"	Leg (split)	
19	13'2"	2nd Electric	
20	13'10"	Spare	
21	14'6"	Spare	
22	15'2"	Spare	
23	15'10"	Spare	
24	16'6"	Spare	
25	17'2"	Spare	
26	17'10"	Band Shell	Not Removable
27	18'6"	Spare	
28	19'2"	Spare	
29	19'10"	Border	
30	20'6"	Leg	
31	21'2"	Spare	
32	21'10"	3 <sup>rd</sup> Electric	
33	22'6"	Spare	
34	23'2"	Traveler	Track not removable
35	23'10"	Spare	
36	24'6"	Spare	
37	25'2"	Spare	
38	25'10"	Spare	
39	26'6"	Spare	
40	27'2"	Spare	
41	27'10"	Spare	
42	28'6"	Border	
43	29'2"	Leg	
44	29'10"	Spare	
45	30'6"	4th Electric	
46	31'2"	Spare	
47	31'10"	Spare	
48	32'6"	Scrim	
49	33'2"	Spare	
50	33'10"	Spare	
51	34'6"	5th Electric	
52	35'2"	Spare	
53	35'10"	Spare	
54	36'6"	Spare	
55	37'2"	Spare	
56	37'10"	Spare	
57	38'6"	Border	
58	39'2"	Leg	
59	39'10"	6th Electric	
60	40'6"	Spare	
61	41'2"	Spare	
62	41'10"	Cyclorama	
63	42'6"	Blackout	