



## Technical Specifications

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**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; 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 (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



## **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>	DiGiCo SD8 console with WAVES multi-effect capability
<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

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## 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)

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### **TECHNICAL OPERATIONS DIRECTOR:**

**Rob Adams**

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