



Technical Specifications

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King Center House Technical Specifications

Maxwell C. King Center for the Performing Arts Melbourne, Florida 32935

(A Direct Support Organization of Eastern Florida State College)

Technical Director: 321-433-5822 Fax: 321/433-5817

TECHNICAL INFORMATION

(Subject to change without notice)

GENERAL INFORMATION

<u>AUDITORIUM CAPACITY:</u>	Orchestra Level: 720
(Continental Seating)	Orchestra Pit: 122
	Grand Tier: 1,174
	TOTAL: 2,016
	(Accessible Seating: 74 included in above numbers)
<u>STAGE DIMENSIONS:</u>	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
<u>ORCHESTRA PIT:</u>	18' wide by 51' long, screw jack elevator; Travel distance, 10'; Travel speed, 2.5 FPM
<u>STAGE EQUIPMENT:</u>	SEE ATTACHED FLY SCHEDULE Complete portable Wenger orchestra shell
<u>LOADING DOCK:</u>	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

<u>STAGE:</u>	115' wide by 50' deep (5,750 sq. ft.); 67' grid; <i>Proscenium opening</i> : 27' high by 55'6" wide
<u>LOBBY:</u>	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)
<u>ORCHESTRA PIT:</u>	56' by 19' (1,064 sq ft)
<u>BLACK BOX THEATRE:</u>	73' by 45' (3,285 sq ft), 18' ceiling
<u>REHEARSAL HALL:</u>	40' by 40' (1,600 sq ft), 25' ceiling (General use - PA168)
<u>REHEARSAL ROOM:</u>	48' by 38' (1,824 sq ft), 18' ceiling (Choral use - PA160)
<u>REHEARSAL ROOM:</u>	50' by 48' (2,400 sq ft), 18' ceiling (Instrumental use - PA158)
<u>DANCE STUDIO #1:</u>	42' by 38' (1,596 sq ft), 15' ceiling - PA198A
<u>DANCE STUDIO #2:</u>	28' by 25' (700 sq ft), 15' ceiling - PA198B
<u>SHOP AND SUPPORT:</u>	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
<u>DRESSING ROOMS:</u>	2 chorus rooms with lavatories and showers (hot and cold water) 6 "star" dressing rooms with lavatory and shower
<u>GREEN ROOM:</u>	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: Grand MA2 Light ETC ION (ver. 2.3.2) with wing 20 x 20(Available)

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
26 – Chauvet Par Quad (LED)
10 – 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'.

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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"

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 Auxiliary 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:	DiGiCo SD8 console with WAVES multi-effect capability
PROCESSING:	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)

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; 9-Sennheiser 421; 2Shure SM87; 2-AKG 414; 1-Audix D6; 7-Audix D7; 3-Audix SC4 condenser 3 – Audio Technica Goose Neck Podium mic
Wireless:	4-Shure UR124D + Dual Channel Diversity Receiver 8-Shure UR2 Beta 87c handheld microphones 8-Shure UR1 wireless body packs
Direct Box:	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

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)

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)



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STUDIO THEATRE VENUE

GENERAL:

Capacity: 250+/- flexible seating

Dimensions: 45' by 73' (3255 sq ft)

POWER AMPS:

QSC model 1500 (per cabinet)

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TECHNICAL OPERATIONS DIRECTOR:

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