

TECHNICAL SPECIFICATIONS



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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:

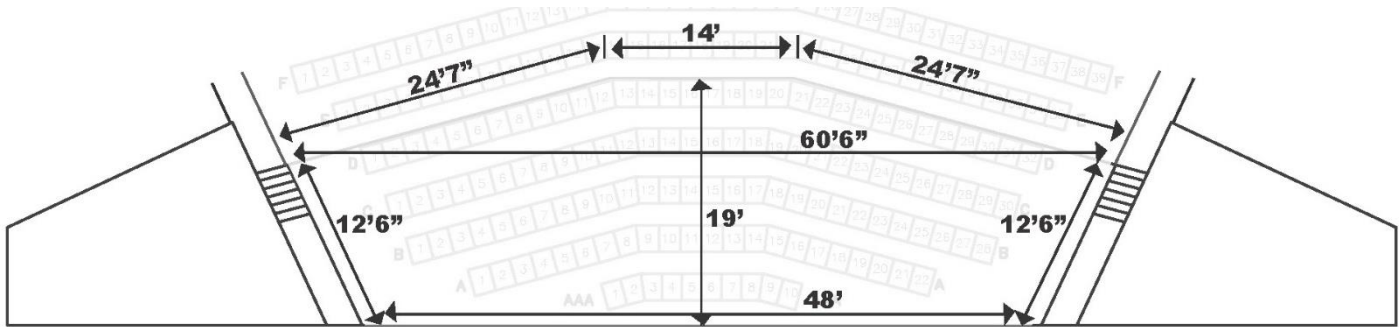
Covered, standard loading dock at rear of stage;
Two (2) semi-truck capacity, 20' x 10' dock door
Ample parking is available for trucks and busses

FACILITY DIMENSIONS

STAGE: 120' wide by 50' deep (6,000 sq. ft.);
67' to bottom of 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 (PA168): 40' by 40' (1,600 sq ft), 25' ceiling (General use)

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

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

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, stage audio and video monitor

LIGHTING SYSTEM AND EQUIPMENT

MAIN THEATRE

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
70 – S4-26 degree ellipsoidal
50 – S4-36 degree ellipsoidal
50 – 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

SOUND SYSTEM AND EQUIPMENT

MAIN THEATRE

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 AC28/95
JBL 4870 Auxiliary Deck Fills
JBL 4845 Auxiliary Subs

AMPLIFIERS:

28 Crown I-Tech H12000 HD power all speakers

CONSOLE:

DiGiCo SD8 console with WAVES multi-effect capability
Fiber Optic snake to SD rack
56 Channel copper snake with XLR fan out on FOH end and analog split on stage with XLR fan out

SPEAKER DISTRIBUTION

CONTROL:

System with wireless tablet

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
(analog processing available)

MONITOR SYSTEM

MAIN THEATRE

Console: Yamaha PM5D console
(24 discrete mixes available)

Wedge Speakers: 18 – JBL Concert Series Model 4802 (2 way)
2 – 12” speakers
1 – 2” horn

Side Fills: 4 – JBL Concert Series Model 4870 (2 way)
2 – 15” speaker
1 – 2” horn

Microphones:

Dynamic:

16 – Shure SM58
10 - Shure SM57
2 – Shure Beta 52
9 - Sennheiser 421
2- Audix OM-5
1- Audix D6
4 -Audix D2
4 -Audix D4

Condenser:

2 – AKG 414
2 – Shure SM87
6 - Shure SM81
4 - Shure SM91
3 – Audix SCX1
3 – Audio Technica Goose Neck Podium Mic

8 - Shure UR2 Wireless hand held with Beta 87 Capsules

8 - Shure UR1 wireless body packs

Direct Box: 14 - Countryman Model 85 (Active)

Paging: Dressing rooms, green room and/or front of house

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:

ETC ION (ver. 2.3.2) with wing 20 x 20
ETC INSIGHT III with Channels and submasters (available)
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
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)
20 – S4 – Par 64

STUDIO THEATRE AUDIO CONSOLE:

Midas M32 Digital Console
Inputs 32 XLR, 8 AUX
Outputs 16 XLR, 1 AES

MAIN SPEAKERS:

Deck JBL Concert Series Model 4870/One per side
Deck JBL Concert Series Auxiliary Sub Model 4845 (One per side)
Flown JBL Concert Series Model 4850 (Two per side)
All Crossovers for Main Speakers
JBL Model M552
Front Fill:
JBL Marquis Series Model MS26 (Four across front)

POWER AMPS:

QSC model 1500 (per cabinet)

MONITOR SPEAKERS:

JBL Concert Series
8 Wedges Model 4802 A (12x12x2)
4 In House Wedge Mixes
All Crossovers for Monitors
JBL Model M552
All AMPS QSX 1500 (per cabinet)

STAGE BOX:

Midas DL32 Digital Snake – 32 inputs / 16 outputs XLR

CURTAIN SCHEDULE

<u>SIZE</u>	<u>COLOR</u>	<u>MATERIAL</u>	<u>QUANTITY</u>	<u>TYPE</u>
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

ROAD COMPANY PROVISIONS

AUDIO: 1 - 200 amp 3 phase disconnect (isolated earth ground) with cam connectors
 1 - 200 amp 3 phase disconnect (isolated earth ground) Stage Left

LIGHTING: 1 - 400 amp 3 phase disconnect company switch with cam connectors
 1 - 600 amp 3 phase disconnect company switch

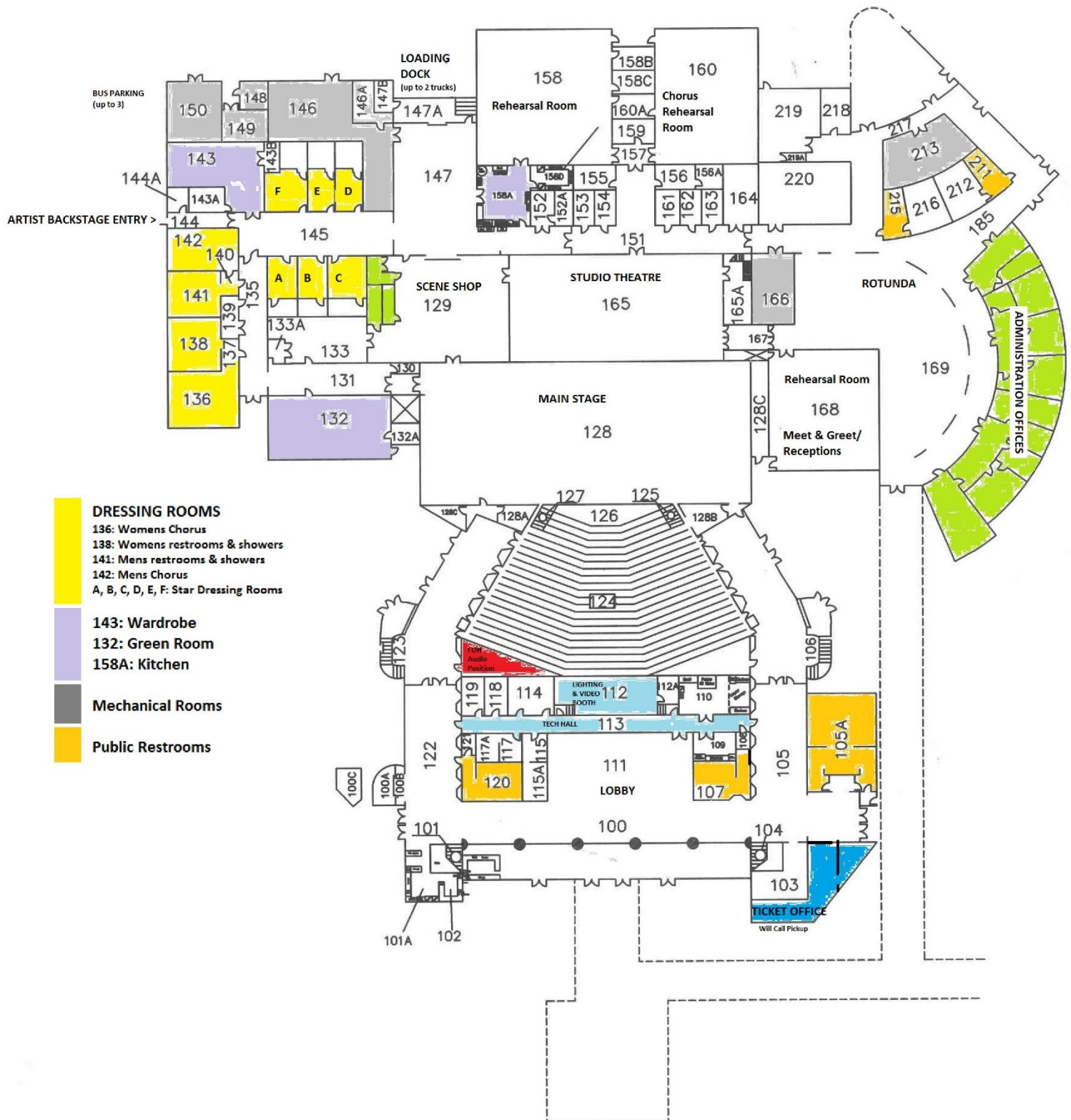
BUS POWER: 3 – Bay each with 2 phase 250 volt, 50 amp receptacles

All electrical service is stage right, audio ONLY stage left (1) 200 amp service. All 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"
Available Weight:	
Upstairs:	11,600 lbs
Downstairs:	7,950 lbs
Total:	19,550 lbs

FACILITY MAP



FACILITY PARKING MAP

The King Center is located on the corner of Post and Wickham Roads in Melbourne, Florida.

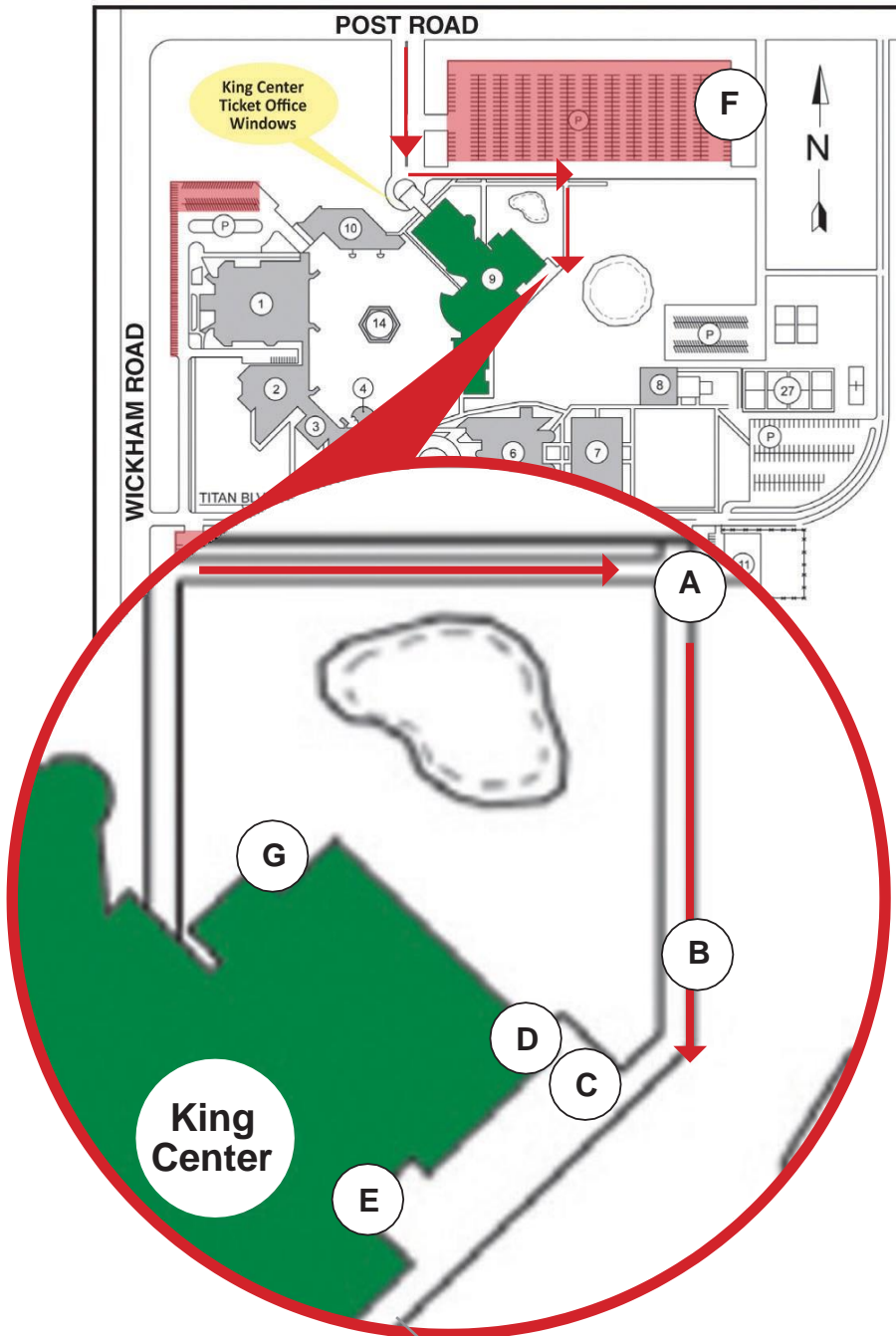
Directions from Interstate 95 Southbound: Take Exit 188/East onto 404 Pineda Causeway Extension toward Satellite Beach/Patrick Air Force Base. At end of exit ramp, turn east (left) onto 404. Continue about 2.5 miles, then turn right onto CR-509/Wickham Road going south for 2 miles. Then turn left onto Post Road. The King Center entrance is on the south side of Post Road (first right).

Directions from Interstate 95 Northbound: Take Exit 188/East onto 404 Pineda Causeway Extension toward Satellite Beach/Patrick Air Force Base. At end of ramp turn right onto 404. Continue about 2.5 miles, then turn right onto CR-509/Wickham Road going south for 2 miles. Then turn left onto Post Road. The King Center entrance is on the south side of Post Road (first right).

Directions from Highway 1 Southbound: Heading south on Hwy1, turn right onto Post Road, continue for approximately 1.5 miles. The King Center entrance is on the south side of Post Road (on the left) just beyond the EFSC Tennis Courts.

Directions from Highway 1 Northbound: Heading north on Hwy 1, turn left onto Post Road, continue for approximately 1.5 miles. The King Center entrance is on the south side of Post Road (on the left) just beyond the EFSC Tennis Courts.

KING CENTER ENTRANCE



King Center for the Performing Arts
3865 N Wickham Rd
Melbourne, FL 32935

Located on the campus of Eastern
Florida State College, Building 9 (in
green)

**A - Artist/Bus/Truck
Entrance**

B - Gate (Code Required)

C - Artist Bus Parking

**D - Backstage
Entrance**

E - Loading Dock

**F - Additional Semi-Truck
Parking**

**G - Green Room Outside
Entrance**

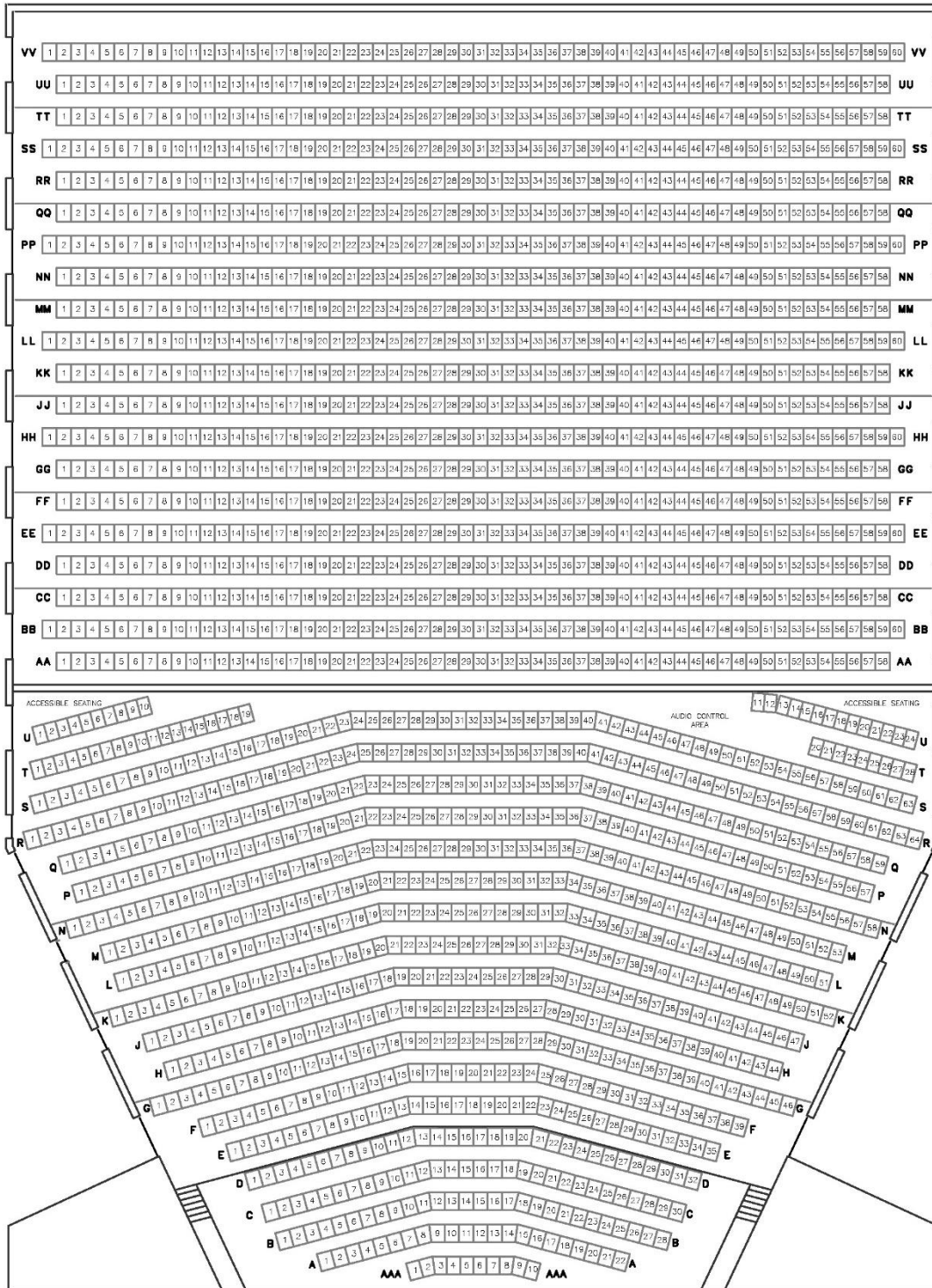
MAIN STAGE SEATING CHART

GRAND TIER

GRAND TIER

ORCHESTRA

ORCHESTRA



Administration • 321.433.5719

Ticket Office • 321.242.2219

FAX: 321.433.5817



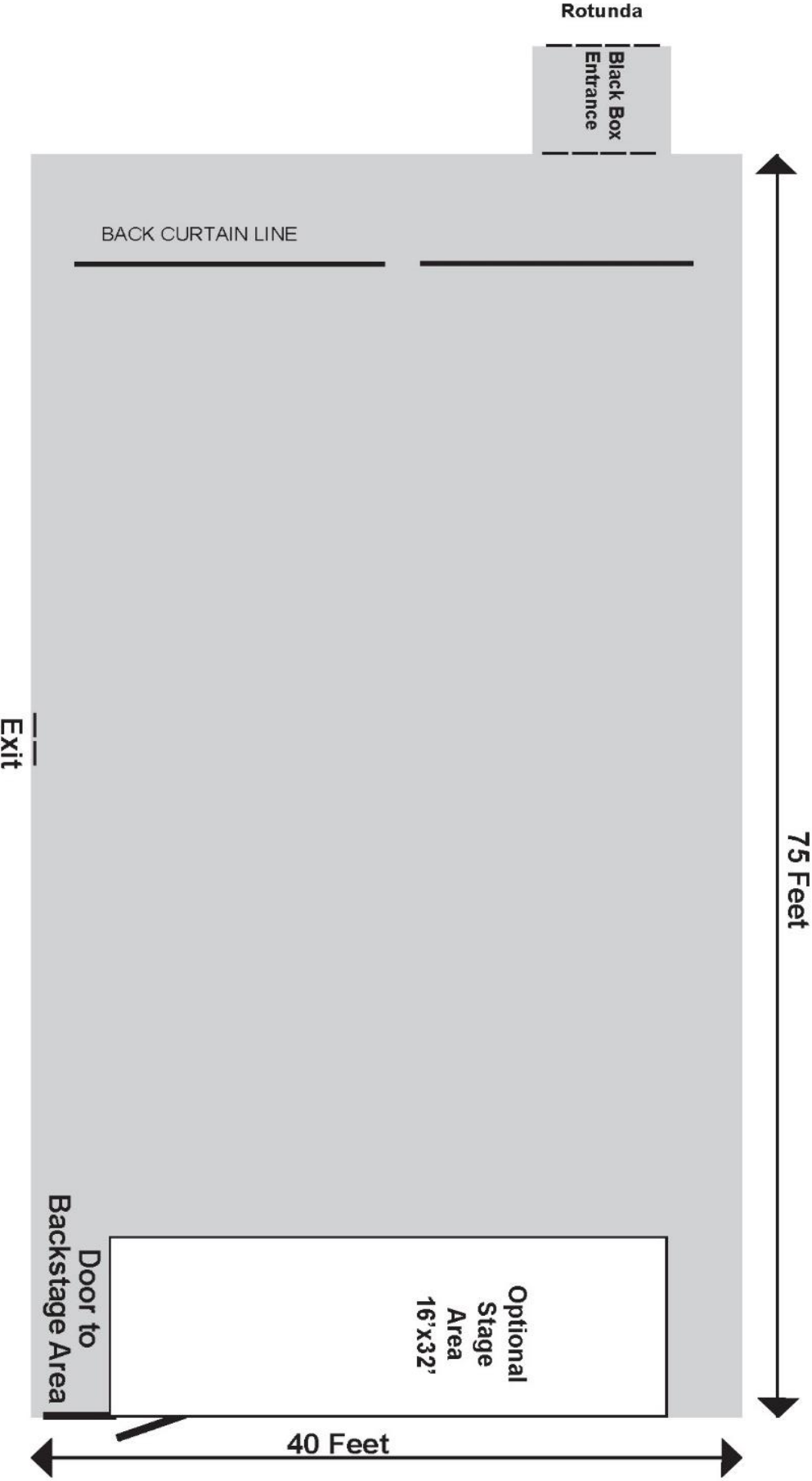
www.kingcenter.com

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Total Seating Capacity	2016
Orchestra Pit	122
Orchestra	720
Grand Tier	1174
Accessible Seating (included in above numbers)	74

REVISION DATE : 08/2014

STUDIO THEATRE MAP



ROTUNDA MAP & DIMENSIONS

