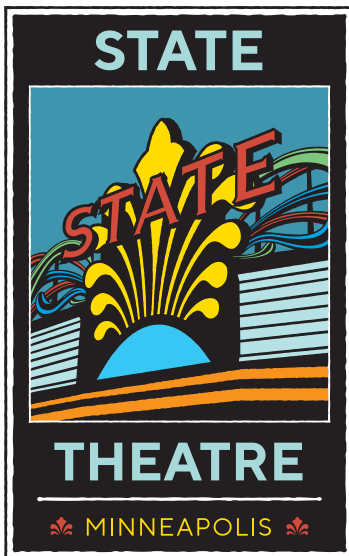




State Theatre
805 Hennepin Avenue
Minneapolis, MN 55403

CONTACTS

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Christian Gaylord
Head Carpenter

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Head Electrician

Connor Belting
Head of Properties

Merritt Benton
Head Sound Engineer

Rick Hansen *Director*
of Booking (612)
373-5671



LOADING FACILITIES

Load-in Door Size: 6' 9.75" wide x 8' 8.5" high

Location: 8th Street between Hennepin and LaSalle

*A police officer is used to control traffic.

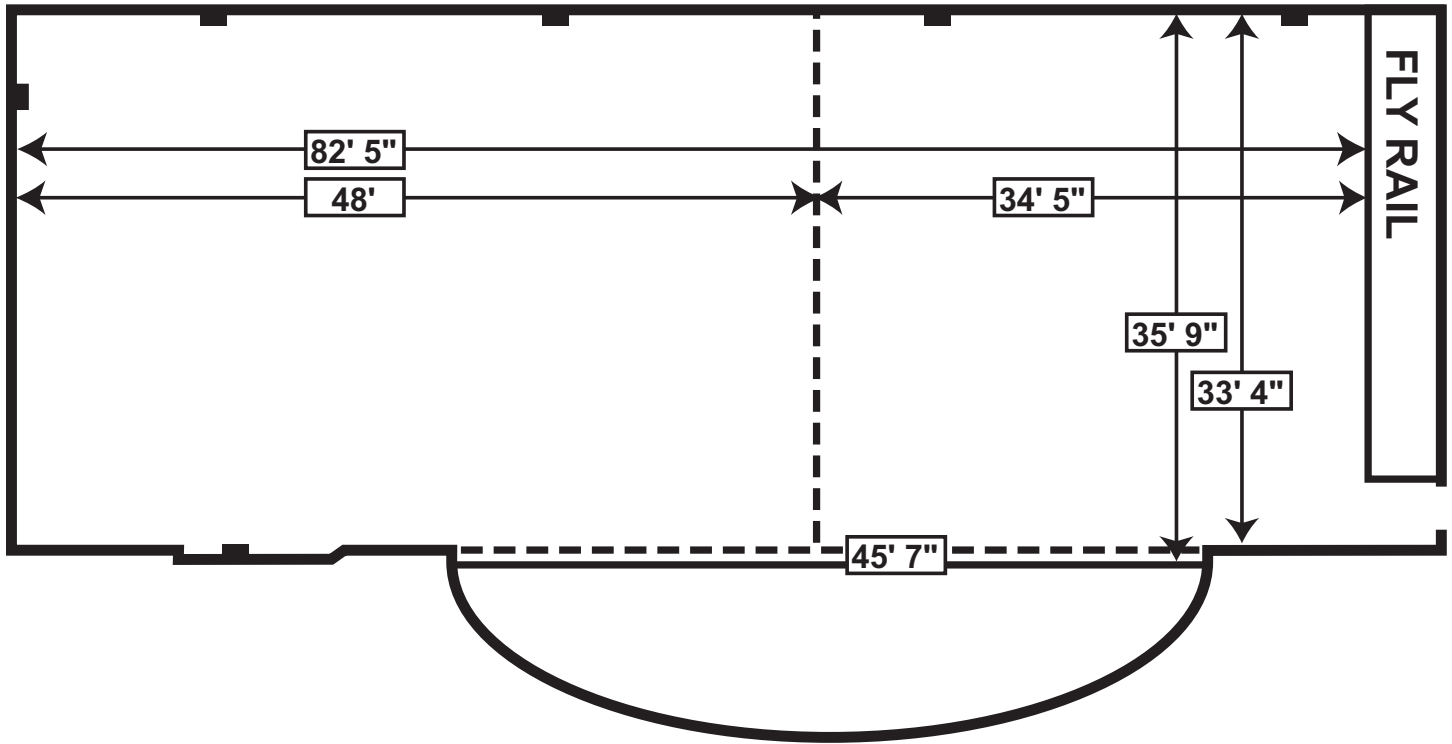
Elevator Location: SR

Elevator Door Size: 4' wide x 7' high

Elevator Compartment Size: 5' 4" wide x 8' 1" high



STAGE DIMENSIONS



Proscenium Opening: 45' 7½" wide x 25' 7" high

Stage Depth

Lip of apron to plaster line: 32"
 Lip of apron to back wall: 35' 9"
 Depth of smoke pocket: 6"
 Curtain line to back wall: 31' 4"
 Apron to curtain line: 39"
 Proscenium wall to back wall columns: 33' 4"
 Lip of stage to FOH: 105'

Stage Width

SR wall to fly floor SL: 82' 5"
 SL Wing: 11' 5"
 SR Wing: 23' 3"

Distance from center stage to:

Fly floor SL: 34' 5"
 Wall SR: 48'

Stage Height

Stage to Grid: 65' 4"

Plaster line center stage to:

First row of seats: 14' 6"
 First Balcony BB: 64'
 Second Balcony BB: 70'
 Balcony rail center: 59' 10"
 Balcony rail sides: 48'
 Cove position: 62' 9"
 Booth: 134'

FLY SYSTEM & RIGGING

Single Purchase Counterweight System

Arbor Capacity: 1,200 pounds; 40,000 pounds available

Number of line sets: 60, 6-line sets in 32' of fly space

Length of pipes: 57'

Stage to grid: 65' 4"

Maximum fly height: 62' 10"

Distance from curtain

to first set of lines: 7"

to last set of lines: 30' 8½"

Lockrail: Stage Level (SL)

Pin Rails: 31' 2" above stage floor left and right

5/8 rope sheaves, 7,000' hemp. (100)

SOFT GOODS

Teal House Teaser: 20' x 60'

Teal House Curtain: Hangs 1' 3" from proscenium wall

Five Black Borders: 12' x 60'

Five Sets of Black Legs: 30' x 13'

Black Backdrop: 30' x 64'

White Leno Cloth Cyc: 28' x 60'

Black Sharktooth Scrim: 28' x 60'

LINE PLOT

Line Set	Distance from Proscenium Wall	Typical Lineplot
1	1' 3"	House Curtain
2	1' 10"	
3	2' 4"	
4	2' 10"	(muled, pulled between line sets 30 and 31)
5	3' 4"	1st Electric
6	4' 2"	
7	4' 4"	SR Leg
8	4' 10"	SL Leg
9	5' 5"	
10	5' 11"	Border
11	6' 5"	SR Leg
12	7' 0"	SL Leg
13	7' 6"	
14	8' 0"	
15	8' 6"	
16	9' 1"	
17	9' 7"	
18	10' 1"	
19	10' 8"	
20	11' 2"	Border
21	11' 8"	SR Leg
22	12' 2"	SL Leg
23	12' 9"	
24	13' 3"	2nd Electric
25	13' 9"	
26	14' 3"	
27	14' 10"	
28	15' 4"	
29	15' 10"	
30	16' 5"	Black Scrim

Line Set	Distance from Proscenium Wall	Typical Lineplot
31	16' 11"	
32	17' 5"	Border
33	18' 0"	4th Legs
34	18' 6"	
35	19' 0"	
36	19' 7"	
37	20' 2"	
38	20' 7"	
39	21' 2"	
40	21' 8"	
41	22' 2"	
42	22' 8"	3rd Electric
43	23' 3"	
44	23' 9"	
45	24' 3"	
46	24' 10"	
47	25' 4"	Border
48	25' 10"	5th Legs
49	26' 4"	
50	26' 11"	
51	27' 5"	(muled, pulled after line set 60)
52	27' 11"	
53	28' 5"	
54	28' 11"	Cyc Lights
55	29' 5"	
56	29' 11"	
57	30' 6"	
58	31' 0"	White Bounce
59	31' 6"	Full Stage Blackout
60	32' 1"	Movie Screen

PROP INFORMATION

RISERS

4x8 Risers: 14
 8 inch legs: 48 (8 risers)
 12 inch legs: 30 (5 risers)
 16 inch legs: 60 (10 risers)
 24 inch legs: 30 (5 risers)
 32 inch legs: 30 (5 risers)
 40 inch legs: 10 (1 riser)
 49 inch legs: 12 (2 risers)
 55 inch legs: 6 (1 riser)

WARDROBE - (union laundry to be present for use)

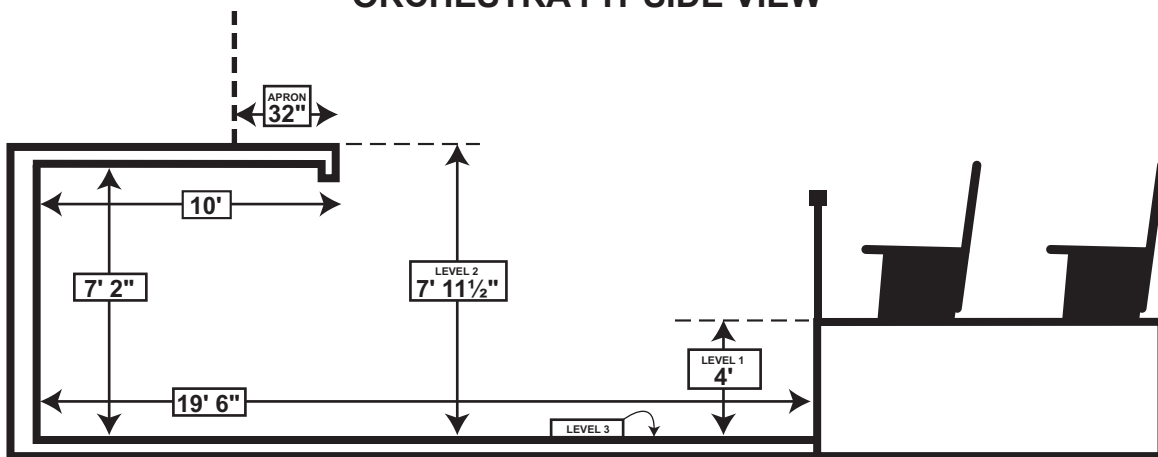
House washers and dryers: 2 each

Steamers: 2

Iron and board: 2

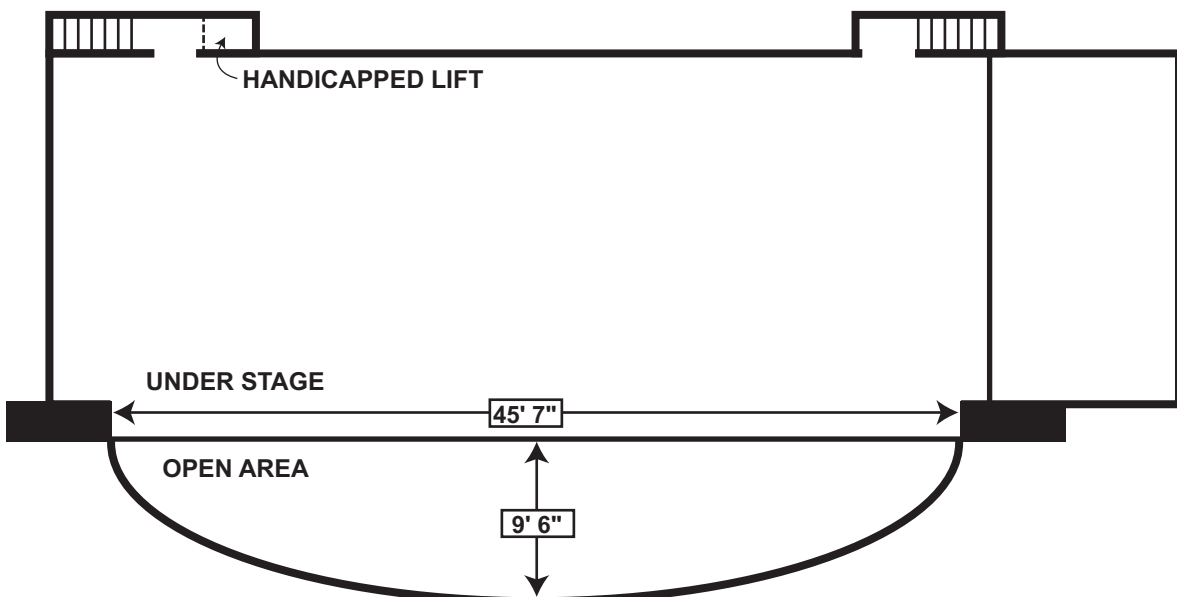
Rolling wardrobe racks: 5 Z racks, 5 collapsible

ORCHESTRA PIT SIDE VIEW



PIT HAS THREE LEVELS: **Level 1 – Main floor seating level**, which allows you to have 30 seats in pit (15 seats on each side of the center line); **Level 2 – Stage level**, which makes for a thrust; and **Level 3 – Pit struck** to accommodate orchestra.

ORCHESTRA PIT TOP VIEW



ELECTRICAL/LIGHTING

ELECTRICAL POWER

600 amp 3 phase, 4 wire 208v company switch--SR.
400 amp 3 phase, 4 wire 208v company switch--SR.
200 amp 3 phase, 4 wire 208v company switch--SR.
200 amp 3 phase, 4 wire 208v company switch paralleled
USL and USR (typically audio power).
All sound power is transformer isolated and distributed to
company switches.
Mix position is Back of House, 16' wide x 7' deep.
Console/Control Snake Run – 200 feet, pulled from
orchestra pit underneath center aisle.

LIGHTING EQUIPMENT

HOUSE CONSOLE AND DATA DISTRIBUTION

ETC Expression
ETC Gio console with 24576 outputs
ETC Standard Fader Wing: Eos FW 20
ETC Nomad USB dongle with 6144 outputs

ETC Net3 infrastructure:

- multiple professionally-installed cat5e dry lines to USR, USL, DSR, DSL, BOH mix position, mid-house tech position, and dimmer racks
- multiple DMX nodes at above positions manageable through ETC Response Mk2 DMX Gateways
- DMX dry lines also available

5 – City Theatrical Multiverse SHOW Baby
2 – Touch displays: Viewsonic TD2220
MA Lighting grandMA series 1 console

STAGE DIMMING AND POWER DISTRIBUTION

ETC Sensor3 Dimmers:
56 – routed to mid-SR patch panel for FOH lighting position
circuits
144 – hardwired to stage circuits
60 – TR20AF dimmer/relay/120V constant current modules
(120 dimmers)
40 – D20E dimmer modules (80 dimmers)
All controllable by DMX or sACN

STAGE CABLE

Hardwired 12/14 6-circuit multicable drop lines with
stagepin breakouts

3 – SL
19 – SR

12 AWG SO stagepin cable:

50 – 5'
50 – 10'
25 – 25'
14 – 50'
2 – 100'

50 – twofers

Available adapters to and from Edison/U-ground

5-pin XLR DMX cable:

8 – 5'
6 – 25'
2 – 50'
2 – 100'
2 – 250'

FOLLOWSPOTS

3 – Lycian 1295 ELT with 3kW lamps
1 – Lycian 1290 XLT with 2.5kW lamp

INSTRUMENTS

ETC S4 19°
48 – in rep plot
8 – in storage

ETC S4 26°
18 – in rep plot
14 – in storage

ETC S4 36°
18 – in rep plot
6 – in storage

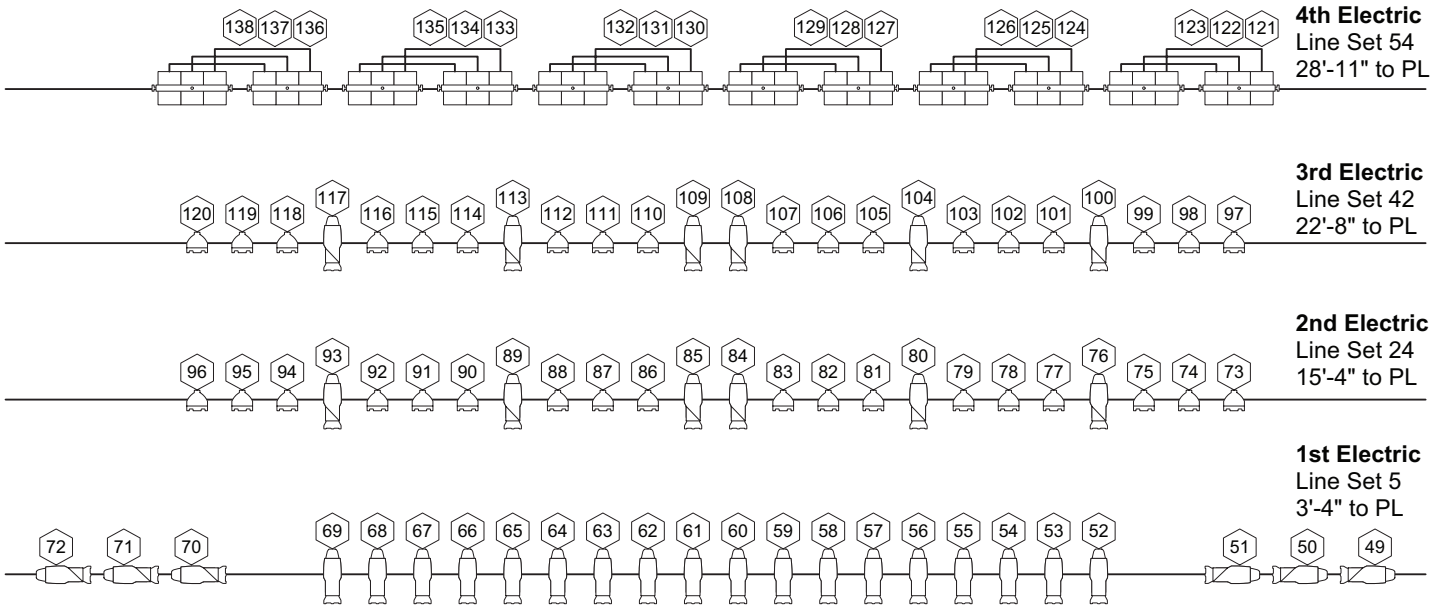
ETC S4 PAR
36 – in rep plot
20 – in storage
N, M, W lenses for all

3-cell CYC @ 1kW
12 – in rep plot

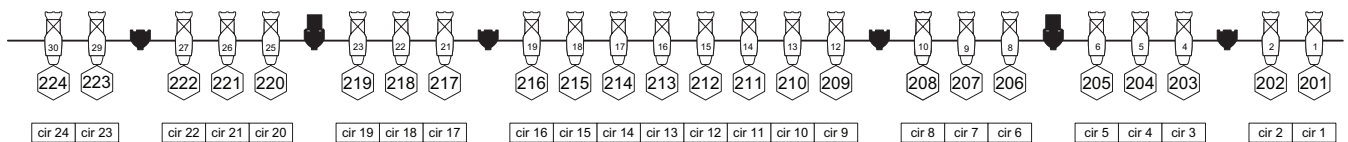
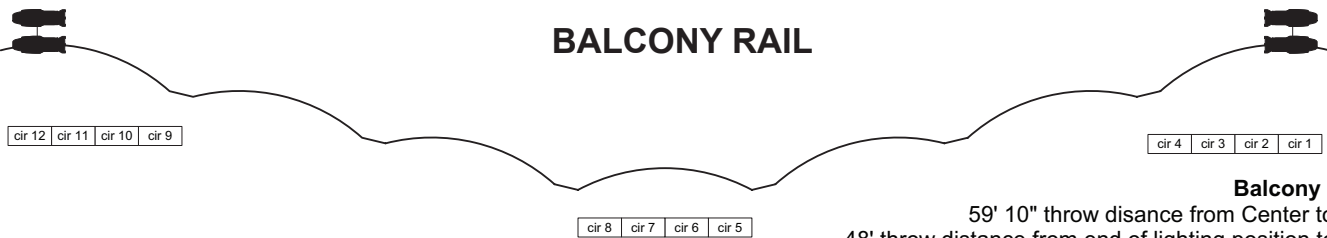
12 - Mac Auras

ELECTRICAL/LIGHTING CONTINUED

STAGE



BALCONY RAIL



1 BOX BOOM SL
64' -0" to PL

2 BOX BOOM SR
70' -0" to PL

1 BOX BOOM SL
64' -0" to PL

2 BOX BOOM SL
70' -0" to PL

Key

Rx04
COLOR
GOBO
UNIT #
DIMMER #
CHANNEL #
CIRCUIT #

- ETC Source 4 36 deg 575w.
- ETC Source 4 26 deg 575w.
- ETC Source 4 19 deg 575w.
- ETC Source 4 Par WFL Lens 575w.
- 3 CELL CYC; 650w.
- Fixture not available
- Fixture not available

NOTES:

- These Drawings are not to scale.
- The Cove and Box Booms are hung by position, not by measurements from Center.
- The Onstage electrics are normally hung at 18" centers.
- Darkened fixtures are not available for shows.

SOUND

CONCERT SOUND

D&B Audiotechnik speaker enclosures. System is flown left and right with front fill and under balcony speakers. Subs are ground stacked left and right. Direct Out Technologies Prodigy. MP Matrix Mixer (AES & Analog inputs)
Backstage is equipped with a 70 volt paging system with program feed.
Amplifiers are 40D (high enclosures, front fill, and under balcony). D90 (subs).

HIGH ENCLOSURES

24 – D&B Audiotechnik KSL speaker enclosures (10x KSL8 with 2x KSL12 on the bottom for each side of the hang)
Array Processing

SUBWOOFER ENCLOSURES

4 – D&B Audiotechnik SL-GSub (2 each side)

FLYING SYSTEM – MAIN P.A.

2 – KSL fly frames with array sight
2 – Rig Star 2 ton motors - inverted - single point hangs

UNDER BALCONY SYSTEM

5 – D&B Audiotechnik Yi10P

FRONT FILL

6 – D&B Audiotechnik Y10P

HOUSE AUDIO CONSOLE

1 – DiGiCo SD10 MADI & HMA Optic Loop
Waves Extreme Server
Waves SG Pro Bundle
Dan Dugan Auto mixer Plug-In
Orange Box (MADI to Dante)
DiGi-Grid MGB

STAGE RACK (56 IN / 40 OUT)

1 – Digico SD Rack 192kHz with MADI & HMA Optics 7 –
MOD-SDR-ADC-24B input card
5 – MOD0SDR-DAC-24B output card

PLAYBACK/RECORD

1 – Playback Computer (Spotify, VLC, iTunes)
1 – Tascam 01-0 CD Player
1 – Tascam DVRA-1000 high res CD Player
1 – Utility/Record Computer (Reaper, MGB, Dante, M32)

AVAILABLE SUPPORT GEAR

2 Channel Clear Com Intercom Station (wired throughout theatre)

STAGE MONITORS (FLOOR WEDGES)

6 – D&B M4 wedges (2 mixes in house)
1 – 4-channel rack with D&B Audiotechnik 40D amplifiers

STATE THEATRE - MINNEAPOLIS, MINNESOTA

MONITOR SYSTEM (shared between Orpheum, State and Pantages Theatres --- subject to availability)

OVERVIEW

12 – channels on (3) four mix amp racks (D40 power amplifiers)
(combined with house gear, 14 mixes are possible)
16 – D&B M4 Wedges

MIXING CONSOLE AND CASE

1 – Midas Heritage 3000 mixing console 48/4/BT
1 – Packhorse mixing console case
1 – Midas M32 mixing console

POWER SUPPLY RACK

1 – Furman PL-plus
2 – Midas P750 power supply

CONSOLE ACCESSORIES

Midas EZ-tilt console stand

EQ RACK #1 (8 MIX)

4 – Klark Teknik DN370 EQ

EQ RACK #2 (6 MIX)

3 – Klark Teknik DN370 EQ

PROCESSING/FX RACK

1 – Furman PL-plus
1 – Yamaha SPX2000
1 – TC Electronics Reverb 4000
2 – Klark Teknik DN504+ compressor
(4 channels each/8 total compressors)
1 – Klark Teknik DN514+ noise gate
(4 channels/4 total gates)

ADDITIONAL MONITOR SPEAKERS

8 – EV XW12A floor wedge
10 – EV XW15A floor wedge
2 – EV XI-1183A/64 side fill

ADDITIONAL SPEAKER OPTIONS

2 – JBL SRX818SP 18" self powered subwoofer
4 – Meyer Ultra-X20 self-powered compact point-source loudspeakers

(SPARE ANALOG) SNAKE HEAD RACK (46 INPUTS/8 RETURNS) MASS CONNECTORS-W4

1 – Radial Split (1 direct/2 iso outputs)

SOUND CONTINUED

WIRELESS RACK #1 (SUBJECT TO AVAILABILITY)

- 1 – Furman PL-plus C
- 1 – Shure AD4Q Axient 4 channel wireless receiver
(4 channels of wireless)
- 4 – Shure ADX2 handheld wireless transmitters G57
band with SM58 capsules
- 4 – Shure ADX1 bodypack transmitters G57 band
(for use with Shure WL184 lavalier microphones or
DPA4088 headset mics)
- 1 – Shure SBRC rack mount battery chargers
- 1 – Swisson gigabit switch

WIRELESS RACK #2 (SUBJECT TO AVAILABILITY)

- 1 – Furman PL-plus C
- 2 – Shure AD4Q Axient 4 channel wireless receiver
(4 channels of wireless)
- 4 – Shure ADX2 handheld wireless transmitters G57
band with SM58 capsules
- 4 – Shure ADX1 bodypack transmitters G57 band
(for use with Shure WL184 lavalier microphones or
DPA4088 headset mics)
- 1 – Shure SBRC rack mount battery chargers
- 1 – Swisson gigabit switch

WIRELESS RACK #3 (SUBJECT TO AVAILABILITY)

- 1 – Furman PL-plus C
- 2 – Shure AD4Q Axient 4 channel wireless receiver
(8 channels of wireless)
- 8 – Shure ADX2 handheld wireless transmitters G57
band with SM58 capsules
- 8 – Shure ADX1 bodypack transmitters G57 band
(for use with Shure WL184 lavalier microphones or
DPA4088 headset mics)
- 2 – Shure SBRC rack mount battery chargers
- 1 – Shure AD600 Axient digital spectrum manager
- 1 – Swisson gigabit switch
- 1 – Shure AXT 630 antenna distribution amplifier

MICS FOR WIRELESS SYSTEM (SUBJECT TO AVAILABILITY)

- 2 – Shure KSM9 capsules for handheld transmitters
- 18 – Shure WL184 lavalier microphones
- 4 – DPA4088 headset mics
- 9 – EV RE92TX lav/instrument microphone

MICROPHONES

DYNAMIC MICROPHONES

- 2 – Audix D6
- 2 – DPA d:facto II
- 2 – EV ND44
- 1 – EV ND46
- 1 – EV ND68
- 3 – EV ND76
- 4 – EV ND767-a
- 2 – EV ND96
- 1 – EV PL80a
- 2 – EV RE20
- 1 – EV RE320
- 2 – Heil PR-31BW
- 6 – Sennheiser 421
- 6 – Sennheiser e604
- 2 – Sennheiser e609
- 2 – Shure Beta 52a
- 6 – Shure SM57
- 8 – Shure SM58
- 4 – Shure SM58 Switch

CONDENSER MICROPHONES

- 4 – AKG 451
- 2 – AKG 414
- 2 – Audio Technica 4050
- 4 – Crown PCC 160
- 8 – DPA 4099
- 4 – EV ND66
- 6 – EV RE92H
- 2 – Shure Beta 91
- 2 – Shure KSM32
- 4 – Shure SM81
- 2 – Shure MX418 Gooseneck
- 1 – Rode NT2a

DI'S

- 4 – Countryman DI
- 4 – Radial J48
- 2 – Radial JDI
- 3 – Radial Stereo JDI
- 1 – Radial USB

COM

- 18 – Belt Packs
- 16 – Headsets
- 5 – Call Flashers
- 5 – Squawk Box

DRESSING ROOMS

6 – Individual dressing rooms with two mirror stations and one sink, numbered 1–6.

1 – Men's chorus room has 25 mirror stations and 4 sinks with mirrors, plus a shower room and bathroom

1 – Women's chorus room has 25 mirror stations and 4 sinks with mirrors, plus a shower room and bathroom

Commons room in basement: 60' x 26'

Wardrobe room with 2 washers and 2 dryers: 20' x 20'



BASEMENT LEVEL

FRONT OF HOUSE

SEATING INFORMATION

Main Floor: 1,286

Balcony: 662

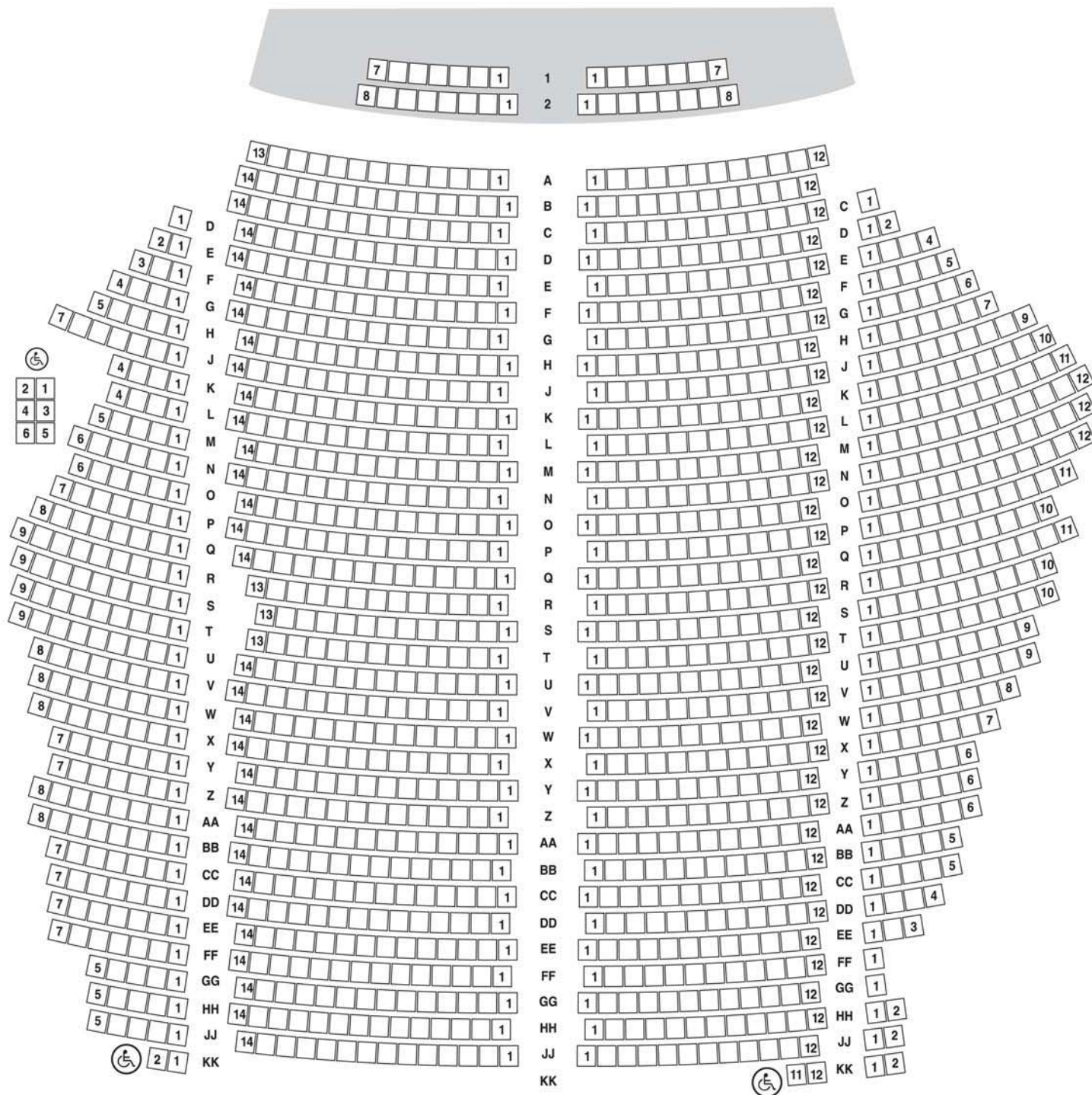
Balcony Loge: 175

Pit: 30

Accessible Seating: 10

Total: 2,163

MAIN FLOOR



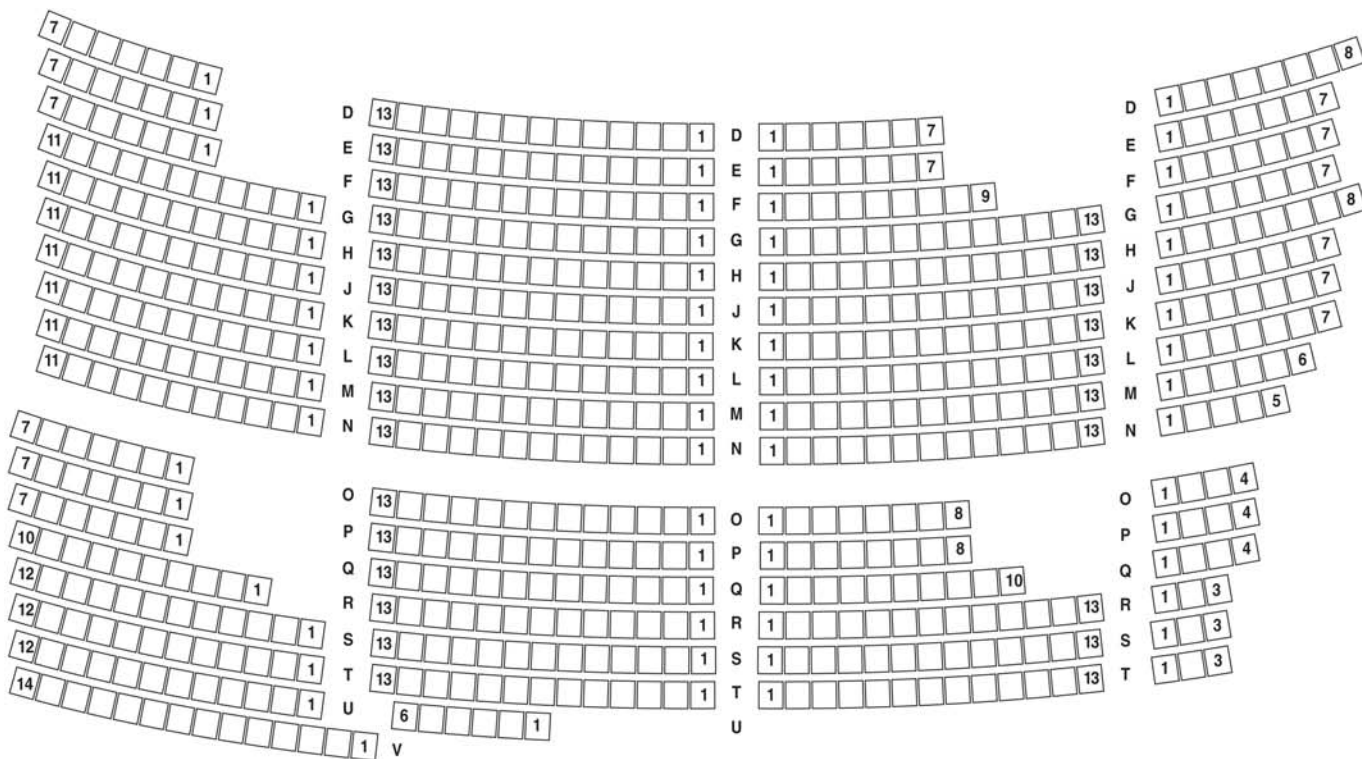
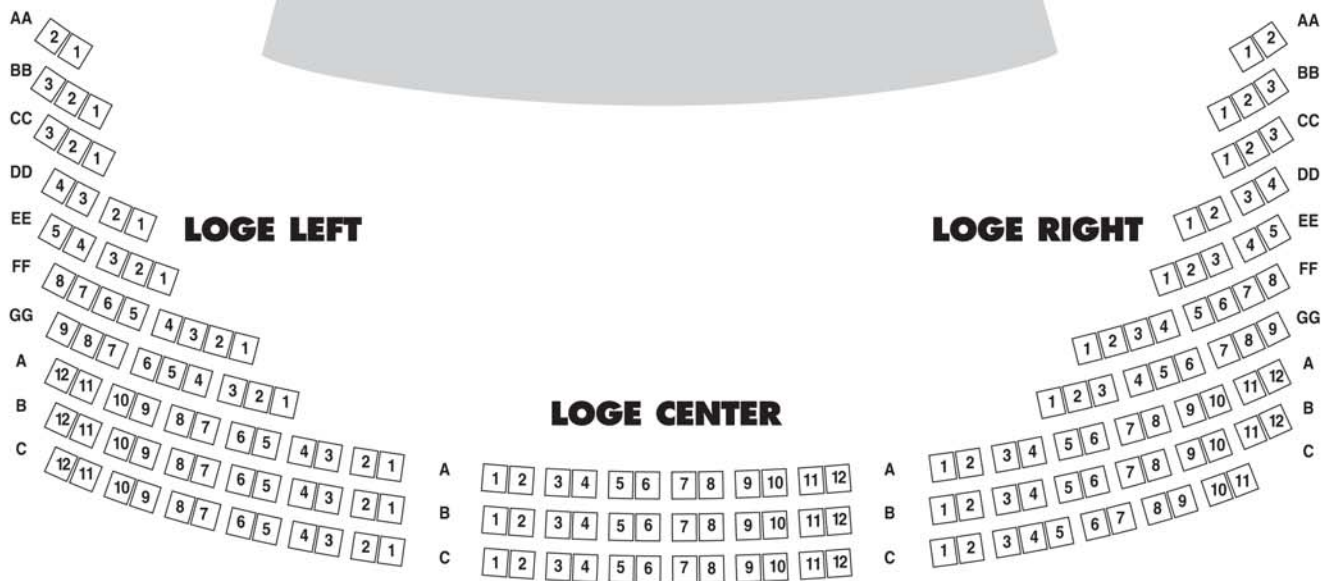
SECTION 3

SECTION 1

SECTION 2

SECTION 4

BALCONY



SECTION 7

SECTION 5

SECTION 6

SECTION 8