

State Theatre  
805 Hennepin Avenue  
Minneapolis, MN 55403

## CONTACTS

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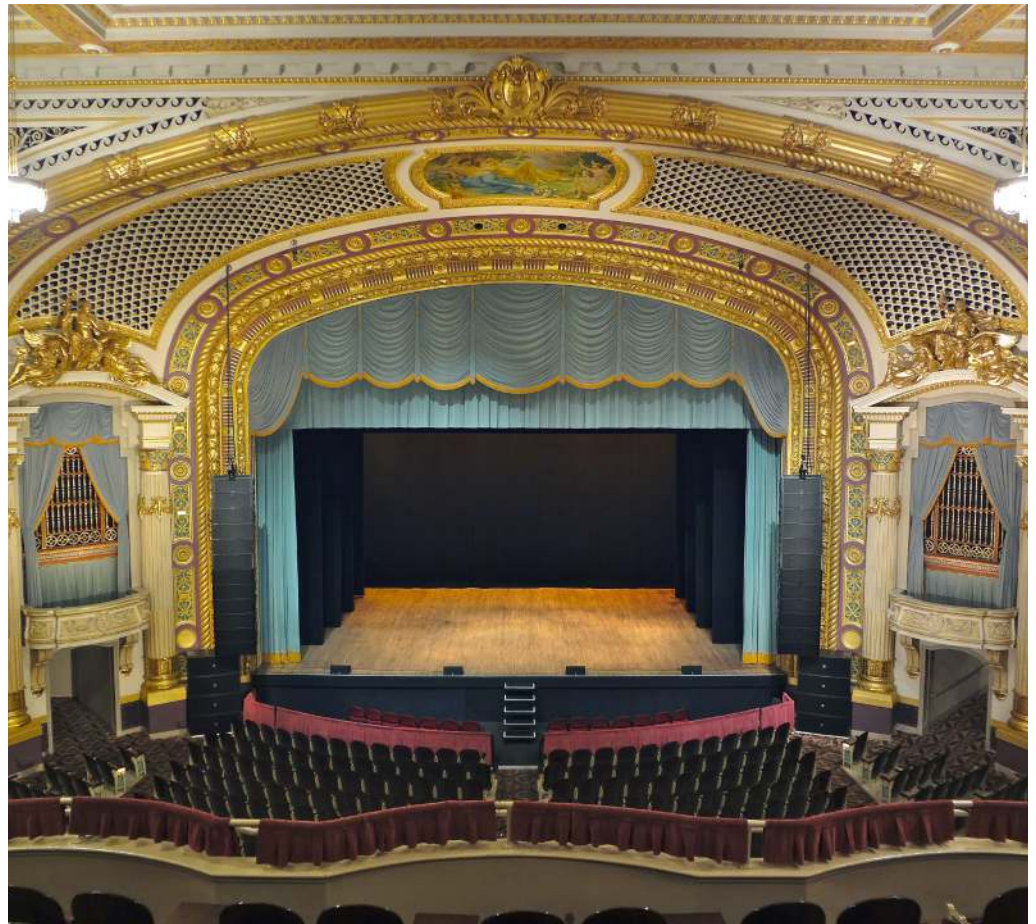
**Christopher Nimm**  
*Head Electrician*

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# 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.

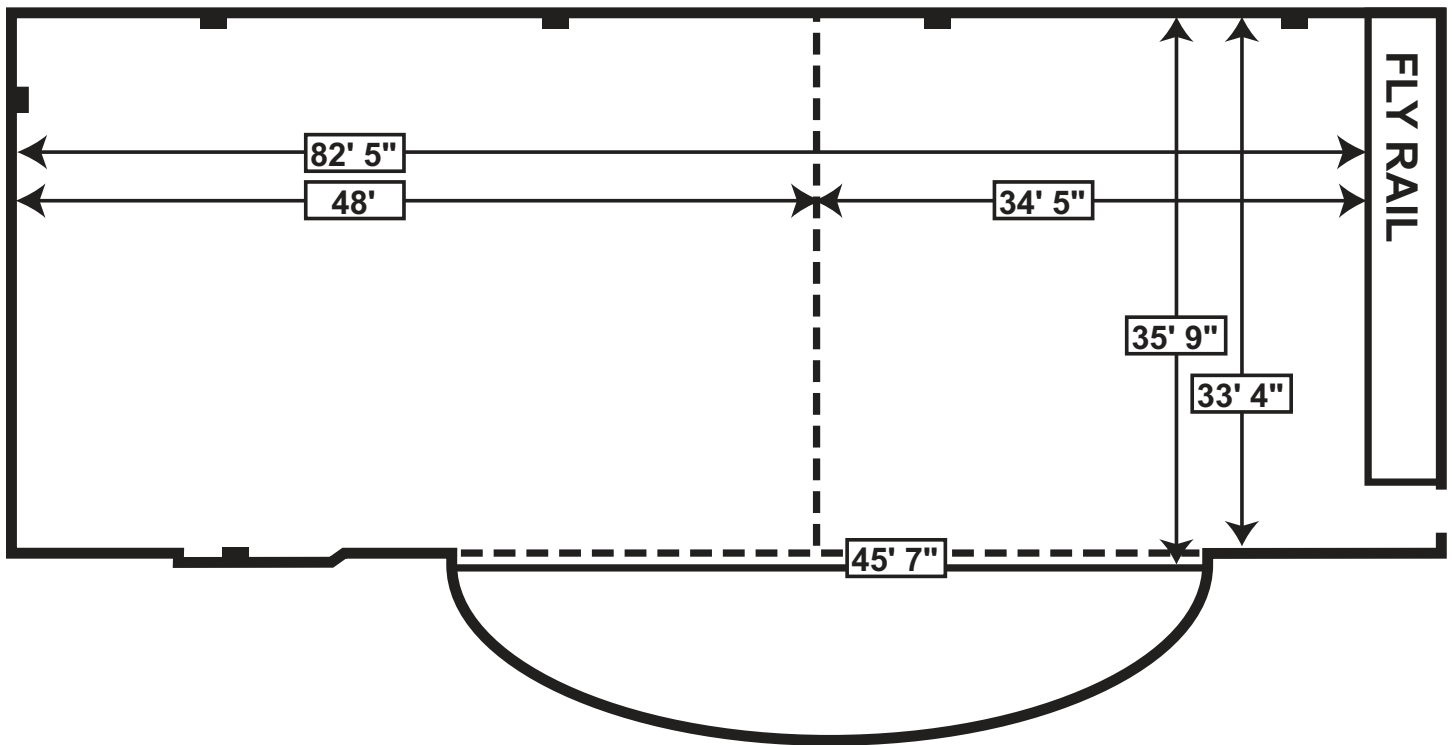
**Elevator Location:** SR

**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"	Movie Screen
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"	

# PROP INFORMATION

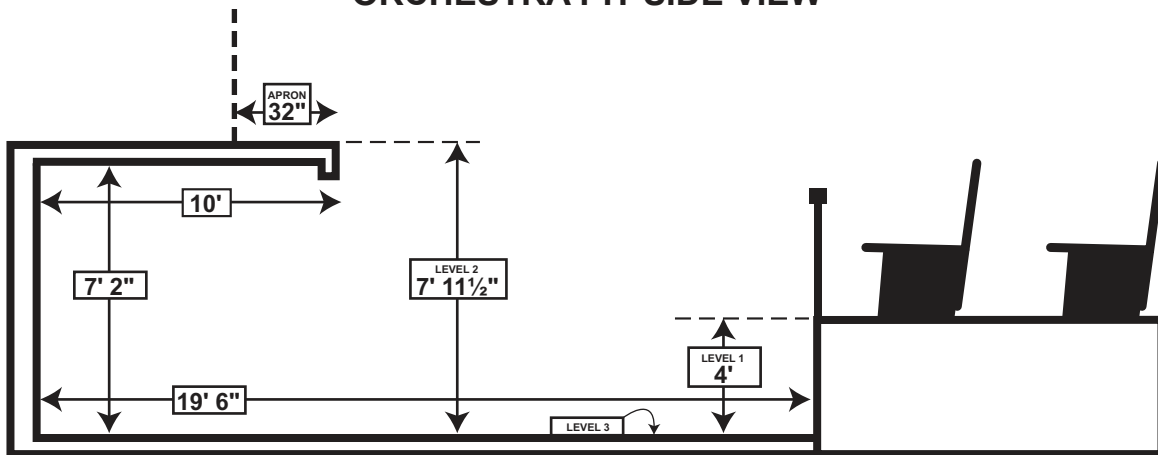
## RISERS

- 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

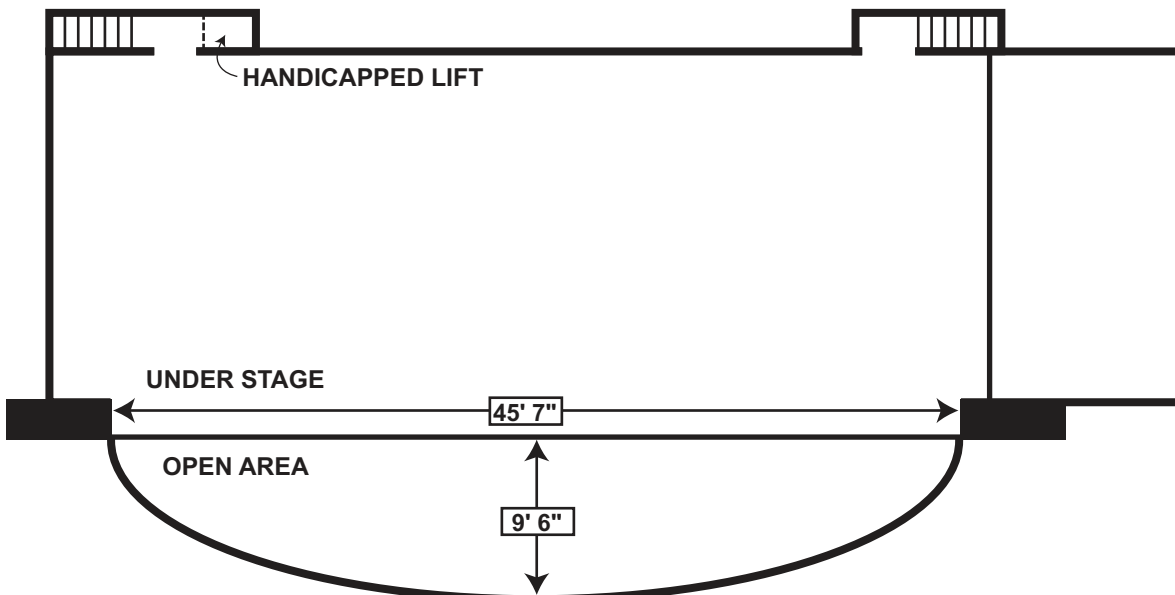
- House washers and dryers: 2 each
- Steamers: 2
- Iron and board: 1 each
- Rolling wardrobe racks: 9

### 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 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

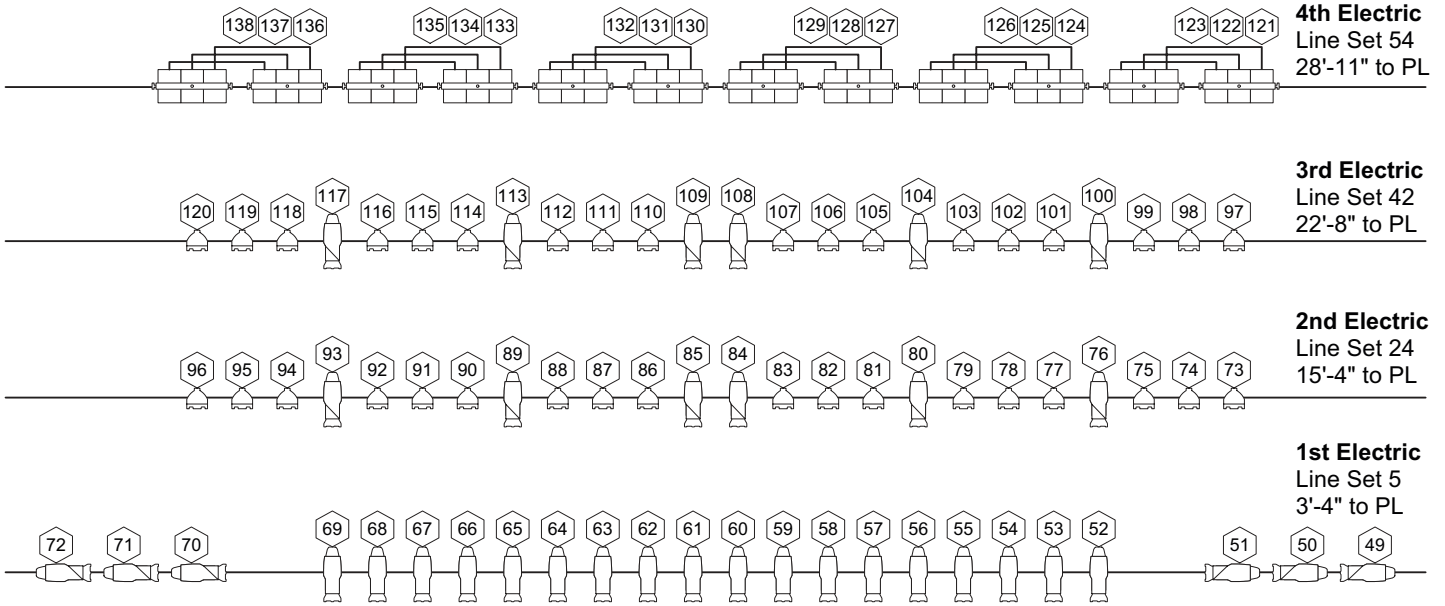
ETC S4 36°  
18 – in rep plot  
6 – in storage

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

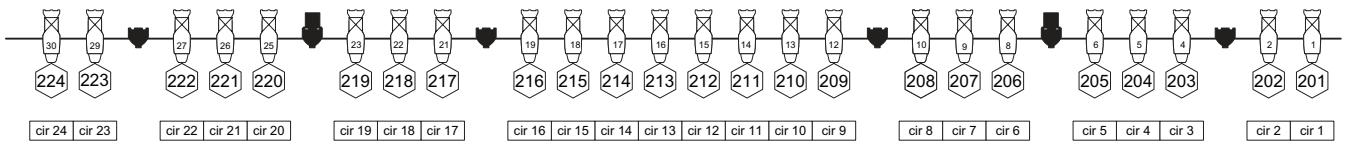
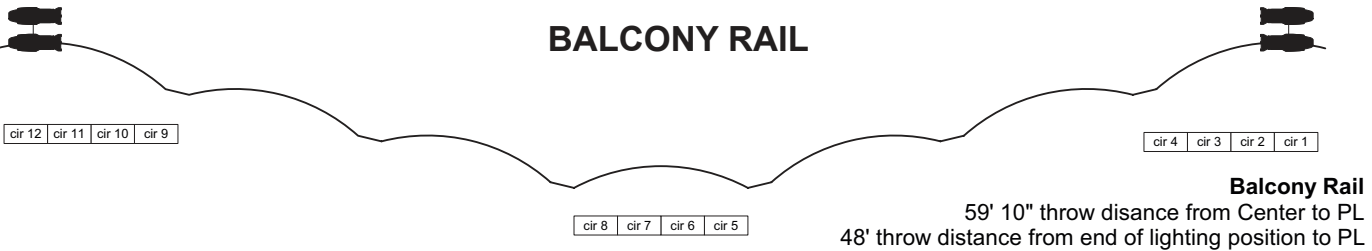
3-cell CYC @ 1kW  
12 – in rep plot

# ELECTRICAL/LIGHTING CONTINUED

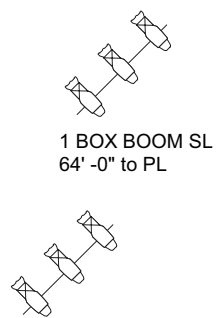
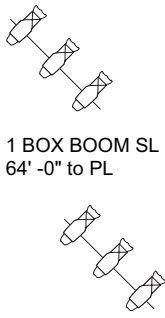
## STAGE



## BALCONY RAIL



**Cove**  
62' 9" Throw  
Distance to PL



### Key

	ETC Source 4 36 deg 575w.		Fixture not available
	ETC Source 4 26 deg 575w.		Fixture not available
	ETC Source 4 19 deg 575w.		
	ETC Source 4 Par WFL Lens 575w.		
	3 CELL CYC; 650w.		
	Rx04 COLOR GOBO UNIT #		
	DIMMER #		
	CHANNEL #		
	CIRCUIT #		

**NOTES:**

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

# SOUND

## CONCERT SOUND

Electro Voice Compact line array (XLC) system is flown left and right with mono under balcony and mono front fills. Subs are aux driven and ground stacked. Backstage is equipped with a 70 volt paging system. Amplifiers are EV TG-5 (high enclosures, front fill and under balcony). TG-7 (subs). IRIS control and DSP

## HIGH ENCLOSURES

24 – EV XLC 127dvx speaker enclosure (12/side)

## SUBWOOFER ENCLOSURES

8 – EV X-sub(F) speaker enclosure (4/side)

## FLYING SYSTEM – MAIN P.A.

2 – XLC fly grid 4 – CM 2 ton motors-inverted

## UNDER BALCONY SYSTEM

5 – EV Xi 1082

## FRONT FILL

6 – EV Xi 1082

## HOUSE AUDIO CONSOLE

1 – SD10 Live Control Surface – MADI & Single HMA Optic Loop  
96 Mono/Alternative inputs – includes 12 Flexi Channels  
48 Mono or up to 24 Flexi Busses Stereo Aux/Group  
1 – SD Rack 56 inputs x 40 outputs  
1 – Orange Box with Dante  
1 – Waves Server with Waves Live Bundle  
1 – MGB MADI Device (for recording)

## 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)  
70 Volt Backstage Paging System with Program Feed

## MONITOR SYSTEM (SUBJECT TO AVAILABILITY)

### OVERVIEW

56 channel, 14 mix system  
(12 wedge mixes, 2 side fill mixes + cue)  
3 – four mix amp racks (EV P1200 and P3000 power amplifiers)  
1 – stereo side fill rack with cue (EV P3000 power amplifiers)  
4 – Klark Teknik DN9848 speaker processor  
2 – EQ racks  
1 – processing/FX rack  
Motion Laboratories Power Distribution

### 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)  
1 – Tascam DVRA1000 audio/dsd master recorder

### MONITOR SPEAKERS

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



## SOUND CONTINUED

### WIRELESS RACK #1 (SUBJECT TO AVAILABILITY)

- 1 – Furman PL-plus
- 4 – Shure UR4D dual wireless receivers  
(8 channels of wireless)
- 8 – Shure UR2 handheld wireless transmitters  
with SM58 capsules
- 8 – Shure UR1 bodypack transmitters (for use with Shure  
WL184 lavalier microphones or Countryman E-6  
headset mics)
- 1 – Shure UA845 UHF antenna distribution system  
(1/2 wave, active directional, and Helical antennas  
available)
- 2 – Tripp Lite power modules rs-1215

### WIRELESS RACK #2 (SUBJECT TO AVAILABILITY)

- 1 – Furman PL-plus
- 5 – Shure UR4D dual wireless receivers  
(10 channels of wireless)
- 10 – Shure UR2 handheld wireless transmitters  
with SM58 capsules
- 10 – Shure UR1 bodypack transmitters (for use with Shure  
WL184 lavalier microphones or Countryman E-6  
headset mics)
- 1 – Shure UA845 UHF antenna distribution system  
(1/2 wave, active directional, and Helical antennas  
available)
- 1 – Tripp Lite power module rs-1215

### MICS FOR WIRELESS SYSTEM (SUBJECT TO AVAILABILITY)

- 2 – Shure KSM9 capsules for UR2 handheld transmitters
- 1 – Electrovoice RE510 capsule, compatible with Shure  
UR2 handheld transmitters
- 18 – Shure WL184 lavalier microphones
- 26 – Countryman E-6 miniature headset mics-cocoa  
(cablecets available for both Shure and EV beltpacks)
- 4 – Countryman B-6 lavalier microphone-cocoa
- 1 – Countryman B-6 lavalier microphone-cocoa wired to  
Sennheiser specification with a Lemo connector
- 2 – Telex sub miniature lapel microphones  
(ELM 33S, ELM 22S)
- 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

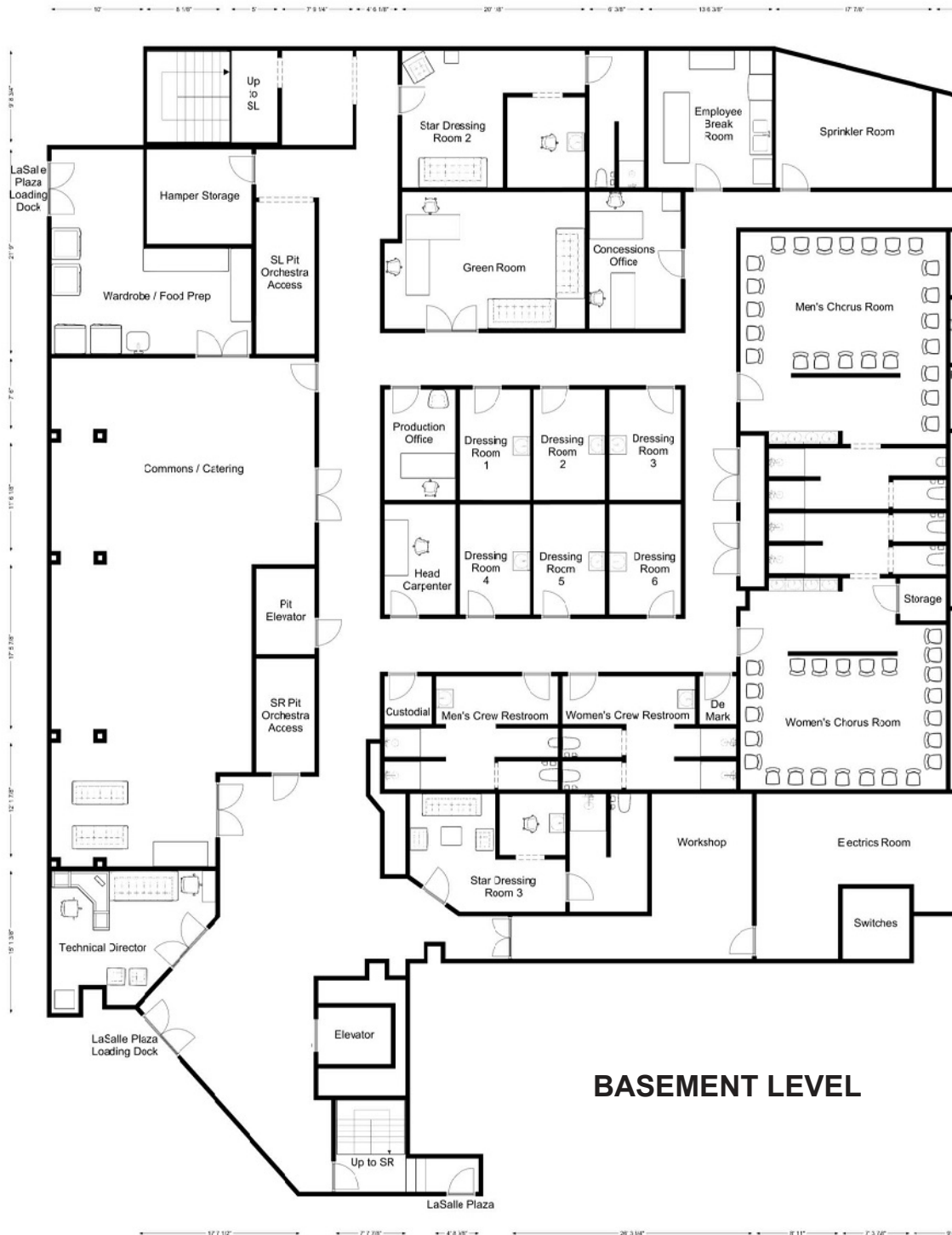
6 – Individual dressing rooms with two mirror stations and one sink, numbered 1–6.

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

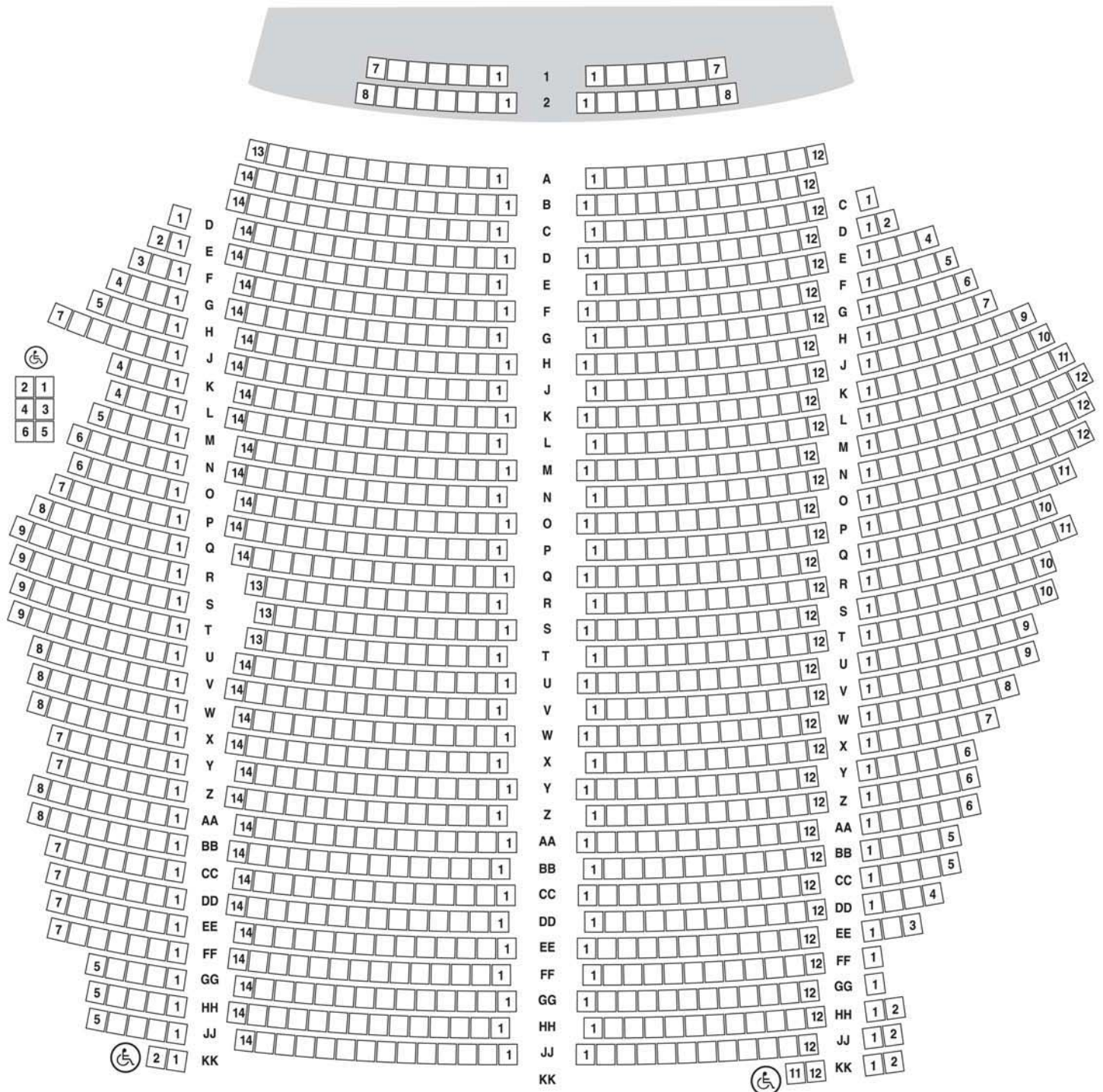
Balcony Loge: 175

Pit: 30

Accessible Seating: 10

Total: 2,163

## MAIN FLOOR



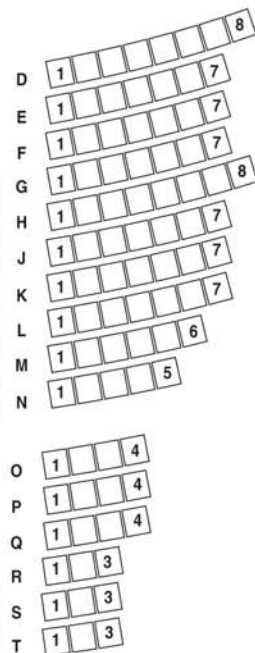
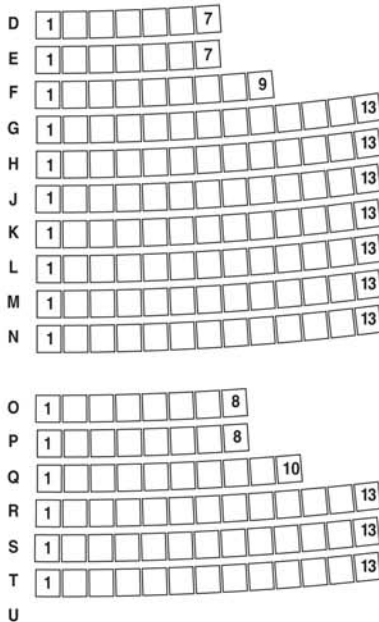
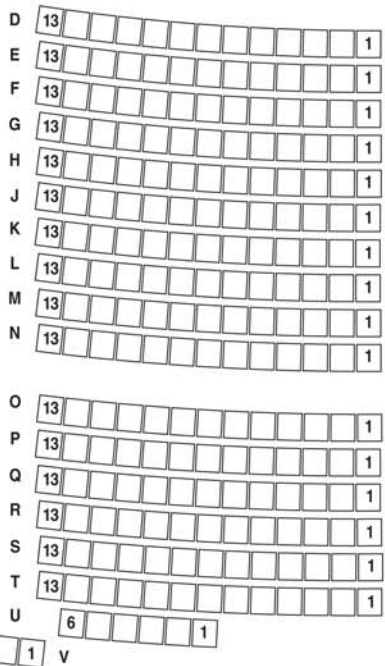
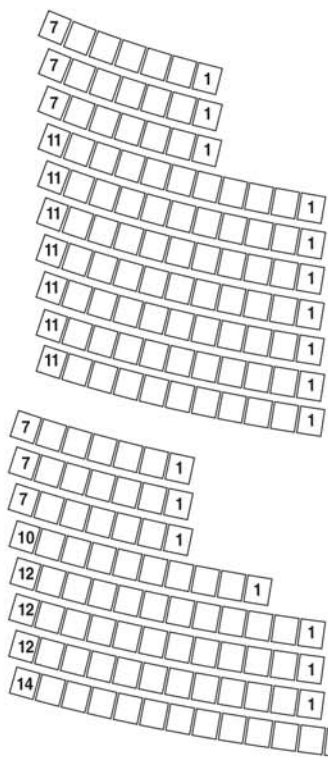
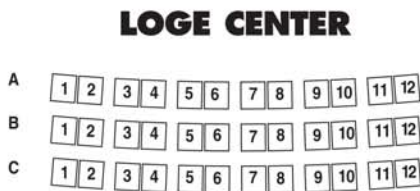
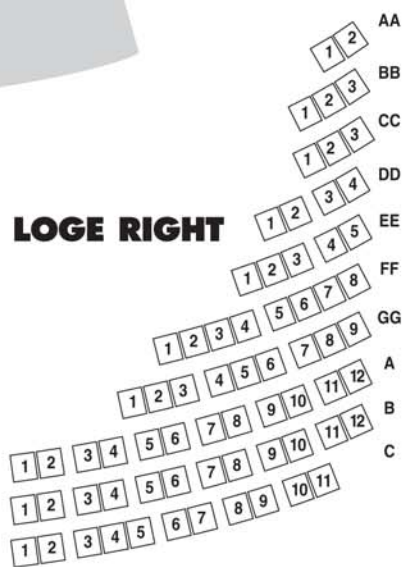
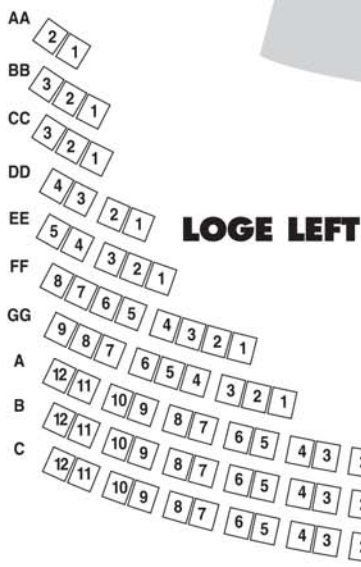
**SECTION 3**

**SECTION 1**

**SECTION 2**

**SECTION 4**

**BALCONY**



**SECTION 7**

**SECTION 5**

**SECTION 6**

**SECTION 8**