



# **STAR PLAZA<sup>®</sup> THEATRE**

## **TECHNICAL INFORMATION**

**Lighting System/Equipment**

**Lighting Plot**

**House Sound System**

**Counterweights**

**Stage Information, General Info, Dressing Rooms**

**Seating Charts**

# LIGHTING SYSTEM

## Control:

Leprecon LP-2000 Cue Plus

- Located in rear of balcony\*
- 2-scene preset
- 8 pages of 24 submaster
- Solo and Add buttons
- 8 programmable chases
- Console is 48 channels

\*(can be moved to main floor at house mix or last row **only with permission of Theatre Management** as this involves killing seats)

## Dimming:

Colortran ENR racks

- Dimmer per circuit-All circuits/dimmers 20A/2.4kW
- Receptacles L5-20 (3 prong twist, ground "in")
- Any dimmer may be configured as a non-dim but must be assigned a channel on the board to activate
- There are additional circuits available in the FOH catwalks, at the balcony rail (not shown on plot), on the 1st electric (but no room to hang anything else), and there are 30 floor-pocket circuits.

**There are no unused circuits on any other electrics.**

## Road Consoles:

It is possible to run the house dimmers off of another console that outputs DMX512, but the following restrictions apply:

- The house system utilizes addresses #1-#271 and **cannot be readdressed!**  
Your console must either have:
  - 1) A second DMX universe available (in which case your console's channel 513 would drive our dimmer 1 and so on), or
  - 2) A second output (possibly created by a DMX splitter) and you must not address your dimmers/moving lights/scrollers any lower than address #272.
- Also keep in mind that our addresses #255-271 are house and lobby lights.

## House Plot:

The basic system is nominally set up to provide four 6K washes from each of electrics #2, 3, 4 and side ladders SL & SR, though you may configure this as needed with the following restrictions:

- Assigned circuits cannot be changed and **please note the twofering on the electrics (indicated by repeated circuit numbers).**

All lekos and all FOH units are single-circuited.

## Positions:

Each on-stage electric with its distance upstage of the proscenium:

#1LX: 2'-6", #2LX: 7'-2", #3LX: 13'-10", ACL: 19'-2", #4/CycLX: 21'-10" FOH:

- Cat #1 (straight) is a 42' throw proscenium at 50° angle (can only hit thrust and a few feet upstage of proscenium)
- Cat #2 (curved) is a 57' throw to prosc. (@ center) at a 35° angle
- Balcony Rail is a 75' throw to proscenium at a 10° angle

## Load-in/Focus:

If we receive our plot with your color written in 2 days prior to your load-in, then color will be dropped before the call time.

Channel/patching information is not needed until the day of the show.

**It is very important to note that the on-stage units must be focused from a rolling "A" frame ladder. FOCUSING MUST BE DONE BEFORE ANY EQUIPMENT OR RISERS ARE PLACED ON THE STAGE!**

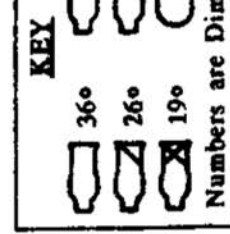
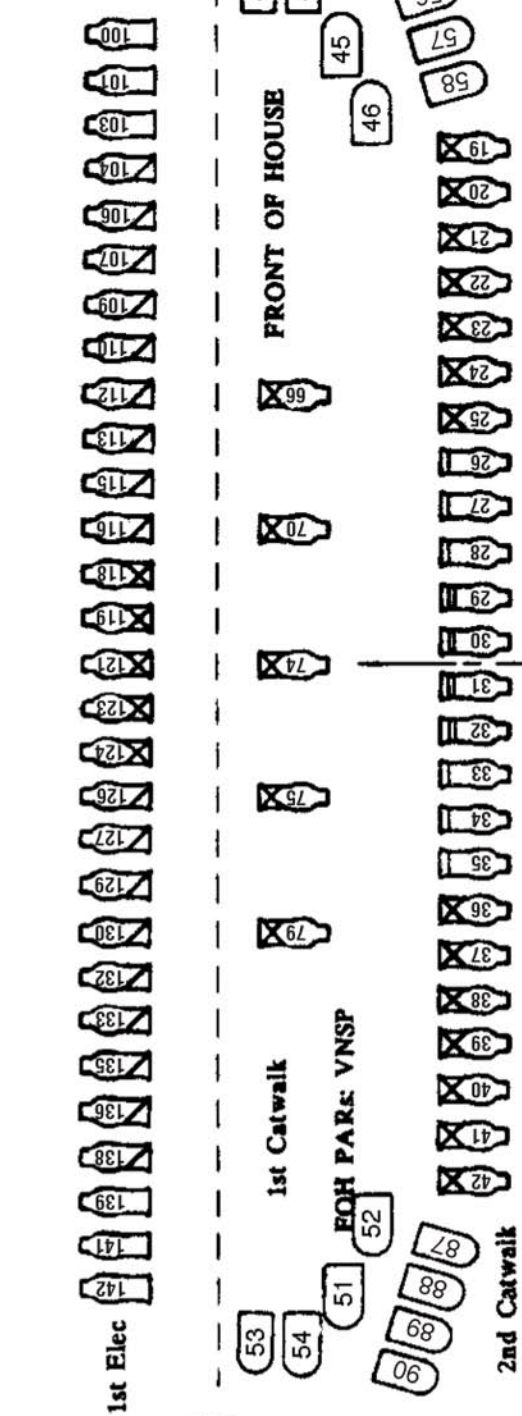
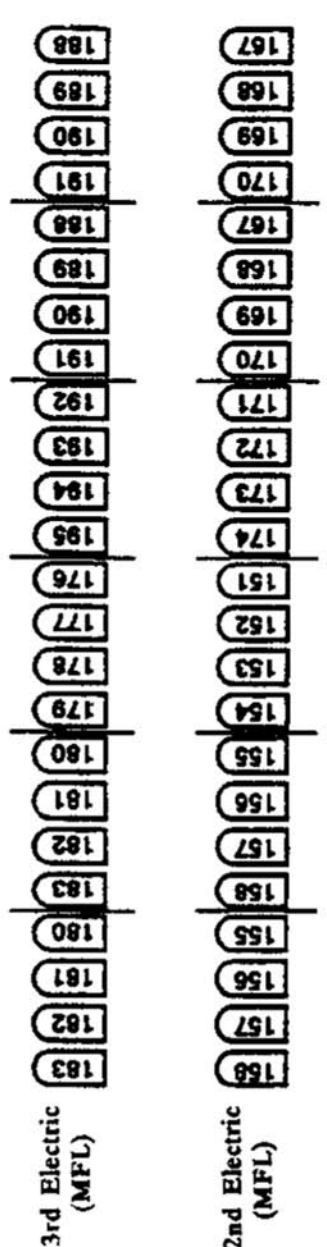
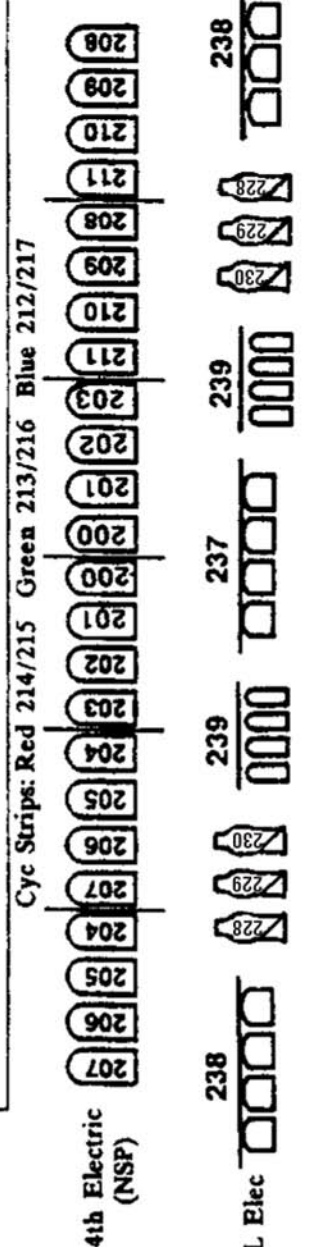
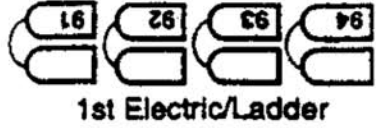
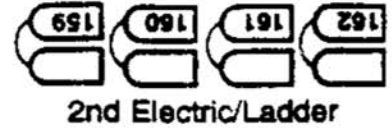
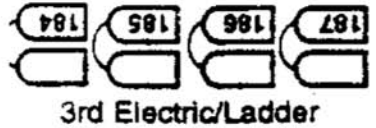
## Equipment:

- Three (3) Xenon Super-Troupers - good angles and very bright (can also add an Ultra-Arc in balcony but it is dimmer and the angle is more shallow)
- Lekos are ETC SourceFour (36 pattern holders and 12 iris kits available)
- Company switch is located DSR: 3 phase, 600 amp, fused disconnect (note that there are no tails or distribution available in house)
- House backdrop is flat, black scrim (no cyc)
- LeMaitre G300 hazer available: controllable from light booth
- Two 9-light audience blinders located above proscenium arch
- 36" mirror ball hung under 1st catwalk (requires channel on console)
- Stock Color: Roscolux and Lee (not all, but wide assortment)

Ladder PARs: NSP Show:

Date:

PM/LD:



Prepared by:  
 Reader & Rowlett  
 Lighting Design Unlimited, Inc.  
 3045 Louisa, Skokie, IL 60076  
 847/933-1590

Note: Refer to Elec.

**HOUSE LIGHTING PLOT**

**STAR PLAZA**

**THEATRE**

NOT to scale! 3/1/05

Spots: 1- 2- 3- 4- 5- 6-

# HOUSE SOUND SYSTEM

## A. Front of House System- House Console

1-Midas Legend 3000-48 Console

### House Processing

8 ddx 903 Compressor/Limiters

8 ddx 904 Gates

1 Yamaha Rev-7 Digital Reverb

2 Yamaha SPX-9011 Digital Reverbs

1-Fostex D-5 DAT Recorder

1-Rane SM-26 Splitter/Mixer

(lobby, backstage, video feeds)

1-Denon DCM-270 5-Disc CD Changer

1-Marantz CDR-631 CD Burner

1 Clear-Com KB-115 2-channel Remote Intercom Station

### Main Drive (Left/Right)

2 White 4660 1/3 Octive Equalizers

2 dbx 160A Compressor/Limiters

1 BSS Omnidrive FDS-388 Loudspeaker Management System

### Left/Right Speaker Enclosures

8 EAW KF-850EP 3-Way Enclosures

8 EAW KF-850SB Low Frequency Enclosures

### Amplifier Configuration

2-Crest 9001 (subs)

2-Crest 8001 (lows)

2-Crest 7001 (mids)

2-Crest 4801 (highs)

### Balcony Fill Drive

1-dbx 2031 1/3 Octave Equalizer

1-Klark-Technic DN-800 Stereo 4-Way Crossover

### Balcony Fill Speaker Enclosures

6-EV 212 Speaker Enclosures (2X12")

6-EV DH-2T High Frequency Drivers (2")

### Amplifier Configuration

1-Crown MA-2400 (Lows)

1-Crown PSA-II (Highs)

## B. Monitor System- Monitor Console

1-Midas Sienna 48 X 16 Console

(12 Mixes Available)

### Drive and Power

6-dbx 1231 Dual 1/3 Octive Equalizers

6-dbx 223 Stereo 2-way Crossovers

6-Crown Xs-1200 Power Amplifiers (Lows)

6-Crown Xs-700 Power Amplifiers (Highs)

### Monitor Speaker Enclosures

13-EV 215 Monitor Enclosures (15" X 2")

(12 Wedges plus Cue)

2-JBL SR-4733 (2X15" X 2") (sidefills)

## C. Microphones, Stands, and Cables-

6-Shure SM-57

8-Shure SM-58

3-Shure SM-81

1-Shure SM-91

4-Shure SM-98

3-Seinheiser MD-421

1-Electro-Voice PL-20

6-Electro-Voice CS-15

8-Shure SM-11 (wired lavalier)

1-Shure SC24 Wireless System (SM-58 or W-184 Lav)

6-Countryman DI's

4-Whirlwind Director DI's

## D. Miscellaneous Items and Info-

### Clear-Com Station Locations

#### Channel A: Sound

FOH mix position

SL stage manager position

Monitor mix position

Stage Left

Stage Right

#### Channel B: Lighting

Lighting control booth

All followspot locations

SL stage manager/house light control

Stage Left

Stage Right

Mainfloor (Back of House)

### Program Monitor & Paging Locations

All dressing rooms

Green Room

SL stage manager position

Loading dock/shop area

Crew meal room

Electrical room

Main level Lobby (Program only)

Mezzanine Lobby (Program only)

A 400 A 120/280V isolated AC panel (3 phase/5 wire) is located off-stage right for road show power distros (approx. 135' from DSL).

# COUNTERWEIGHTS

The stage is equipped with a double purchase counterweight system.

- Height from stage floor to the head blocks is 29 feet. NO FLY SPACE.
- Total number of battens=30
- Length of battens=approx. 68'-0"
- Diameter of battens = approx. (1 1/2" I.D. pipe)
- The lock rail is located stage right on stage level
- The counterweight loading platform is located approx. 18'-0" above the stage floor/stage right.

There is adequate counterweight to handle almost any situation.

## LINE DISTANCE

### No. From Prosc. Notes

1 6"	Grand Valance/Border
2 1'-2"	Grand Drape/Curtain
3 2'-6"	1st Electric
4 3'-10"	(empty)
5 4'-6"	Border Orchestra shell roof portion (Permanently hung)
6 5'-2"	Legs
7 5'-10"	(empty)
8 7'-2"	2nd Electric
9 8'-6"	Border
10 9'-2"	Legs
11 9'-10"	Empty w/Lightweight Traveler Track
12 10'-6"	Orchestra shell roof portion (Permanently hung)
13 11'-2"	(empty)
14 11'-10"	Border
15 12'-6"	Legs
16 13'-10"	3rd Electric
17 15'-2"	(empty)
18 15'-10"	Border
19 16'-6"	Legs
20 17'-2"	(empty)
21 17'-10"	Orchestra shell roof portion (Permanently hung)
22 18'-6"	(empty)
23 19'-2"	ACL's (Permanently hung)
24 19'-10"	Border
25 20'-6"	Black Bi-Part Traveler
26 21'-10"	4th Electric
27 23'-2"	(empty)
28 23'-10"	Orchestra shell roof portion (Permanently hung)
29 24'-6"	(empty)
30 25' - 2"	Black scrim and white cyclorama (Permanently hung)

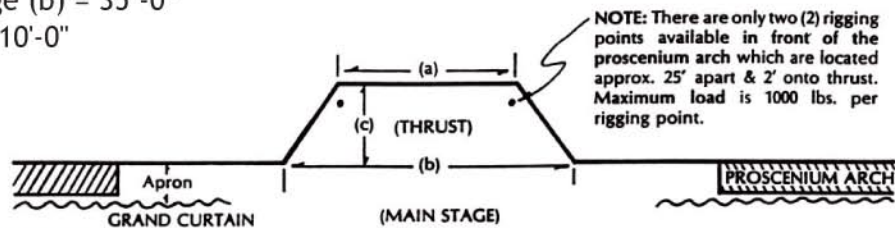
Hanging upstage of scrim is back wall of orchestra shell.

# STAGE INFORMATION / GENERAL INFORMATION

## DRESSING ROOMS

### DIMENSIONS OF STAGE:

Proscenium Opening 78'-4" width, and 26'-0" height  
Maximum Opening of Grand Curtain = 70' - 0" width  
Maximum height from Stage Floor to bottom of Grand Border = 19'-6"  
Maximum height from Stage Floor to bottom of Sound Cluster = 22'-0"  
Width of Full Stage = 97'-6"  
Depth of Full Stage = 40'-0"  
Thrust is 10'-0" in depth  
Apron is 2'-6" in depth  
Grand Curtain to upstage wall is 27"-6" in depth  
Thrust is trapezoidal in shape:  
Downstage edge (a) = 25'-6"  
Upstage edge (b) = 35"-0"  
Depth (c) = 10'-0"



### STAGE SOFT GOODS:

- Grand Valance/Border (red)
- Grand Drape/Curtain (red) on Traveler/manually operated
- Full Stage Black Traveler w/ Border
- Four (4) Sets of Black Legs & Borders
- Full Stage White cyc behind black scrim

### HARD GOODS AVAILABLE:

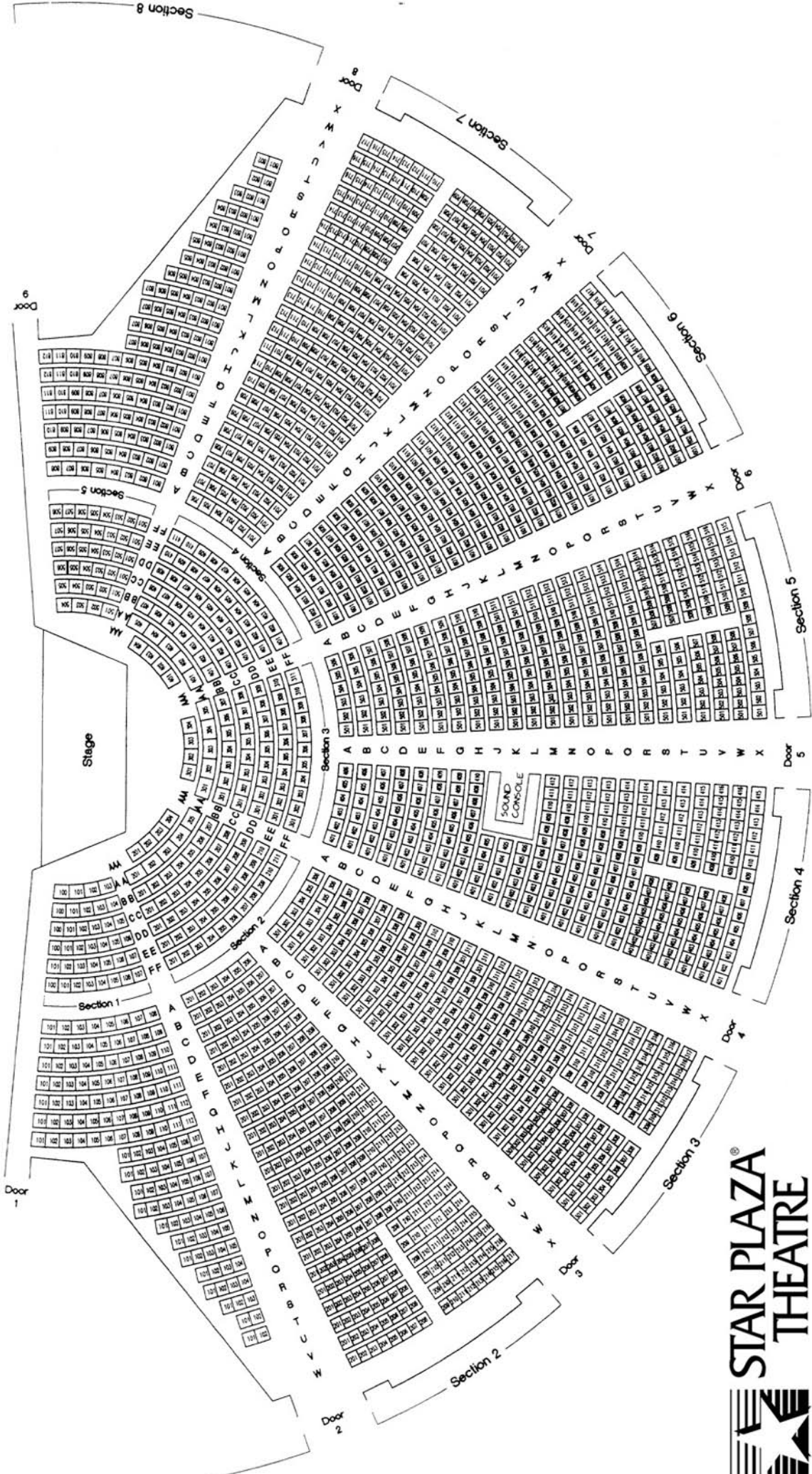
- Yamaha C-7 Grand Piano/Gloss Black
- Roll Drop Front Projection Screen 30' wide x 12' high, permanently hung & motor operated, located immediately downstage of Grand Border.
- Conductor's Podium & Music Stand.
- Complete set of band/orchestra risers
- 48-orchestra chairs, music stands, and lights

### GENERAL INFORMATION:

- Stage Manager's console is located off stage left.
- Lighting Control Booth is located House Center at the rear of the balcony.
- Clear-Com Stations are located at all Follow Spots, Lighting Control Booth, Stage Manager's Console, Sound Console, Stage left & right, and all along the catwalks.
- Loading dock & door is at the rear of the theatre and is at truck bed level. Door opening has a clear width of 7'-8" and a clear height of 9'-11".
- Stage crossovers may be made by way of backstage hallway behind upstage wall.
- Please note that "Shore" or bus power is NOT available.
- Sennheiser Infra-red hearing impaired system

### DRESSING ROOMS:

- Green Room, located stage left on stage level. Room includes private courtyard, audio monitor, color TV, couch, chairs, hospitality facilities, phone and Yamaha upright piano.
- Three Star Dressing Rooms, located stage left on stage level. Each room contains a private bath w/ shower, wash basin, toilet, lighted mirror, audio monitor, clothes/wardrobe rack, and house telephone.
- Two Chorus Dressing Rooms, located stage left on the 2nd floor. Each room contains a restroom w/ showers, lighted mirrors, audio monitor and clothes/wardrobe racks.
- Wireless internet available in green room and dressing room areas.



Stage

# STAR PLAZA<sup>®</sup> THEATRE

## MEZZANINE

