

# La Mirada Theatre for the Performing Arts

## TECHNICAL SPECIFICATIONS 2009

### STAGE DIMENSIONS

Proscenium Arch 46' wide x 26' high  
 Performing Area 40' wide x 28' deep behind Main Curtain  
 Main Curtain clearance to:

Apron edge	6'6"
Mid-Black	14'6"
Black Traveler	26'9"
Last available pipe	32'6"
Cyc Drop	33'0"
Back wall	38'8"

Loading Door 14'x14' stage level, up left  
 Secured Loading Dock area 30'x30'  
 Stage height to covered pit: 36 1/2"

### SOUND

#### Mixing Console

Soundcraft Series Five (POS) -54 inputs (46 mono, 4 stereo)  
 Positioned at the Rear of the House on the Orchestra Level

#### Microphones

- |                                     |                                |
|-------------------------------------|--------------------------------|
| 2- AKG D112                         | 2- Electro-Voice RE 16         |
| 5- AKG 391B                         | 4- Sennheiser 421              |
| 2- Audix I5 mics                    | 5- Sennheiser MD 504           |
| 4- Audix D2 mics with vice mount    | 1- Shure 565 SD                |
| 1- Barcus-Berry Piano Pickup/Preamp | 6- Shure SM 57                 |
| 8- CAD cm100 hanging choral mics    | 8- Shure SM 58                 |
| 3- Countryman Isomax DBM floor mics | 2- Shure SM 58 switch mics     |
| 5- Crown PCC 160                    | 5- Shure SM 81                 |
| 3- Crown PZM 6 S                    | 2- Shure Microflex Podium Mics |
| 1- Electro-Voice RE 35              |                                |

18- Sabine SWM-7000 wireless system, 18-belt packs, 8-handhelds  
 Wireless system features Countryman B6 & E6 Mics, Handhelds feature Audix OM5 Capsules

*(18 total wireless units may be used at the same time)*

#### Direct Boxes

- 2- Horizon (passive)  
 8- Whirlwind Director (passive)  
 Various mic stands, booms, cable, adapters, etc.

#### Playback and Recording Equipment

- 1- Alesis MasterLink High-Resolution CD Recorder  
 1- MacBook Pro with SFX & QLab  
 1- Denon D4000 Dual DJ CD player (mp3 compatible)  
 1- Presonus FirePod Audio Interface (8 in, 8 out - analog)  
 1- Tascam MD-350 Minidisc Player / Recorder

#### Signal Processors

- 3- Ashley PQX 572 stereo parametric equalizers  
 3- Ashley 3102 stereo graphic equalizers  
 2- dbx 166A compressor/limiter  
 1- dbx DDP (digital dynamics processor)  
 2- dbx DriveRack PA  
 2- Drawmer DS-404 4 channel gate  
 1- PreSonus ACP88 8 channel compressor  
 1- TC Electronic M1-XL  
 1- TC Electronic M-3000  
 1- Yamaha SPX 990

#### House Speaker System

- Main Floor Left Array: 6- JBL 4888; 1- JBL 4882  
 Main Floor Right Array: 6- JBL 4888; 1- JBL 4882  
 Center Cluster Array: 4- JBL 4887  
 Front Fill: 4- JBL Marquis M28  
 Under Balcony: 4- Apogee AE 2  
 Surround System Array: 4- EAW JF 200  
 House speakers processed with Crown iTech & Apogee Processors  
 Yamaha YDG 2030 and Ashley Protea System provide EQ and delay  
 Mains and Subs powered by Crown I-T4000, I-T6000, & I-T8000 amplifiers.

#### Stage monitors and Amplifiers

- 5- PAS P100 monitors  
 4- PAS SW-1 monitors  
 1- PAS VM-1 monitors  
 2- JBL SRX712M monitors  
 2- Ramsa WSA-200 speakers  
 3- TOA SM-25 powered speakers  
 4- JBL Control 1 speakers  
 Amp Rack 1: 2 x QSC MX1500, Crest FA2401  
 Amp Rack 2: 2 x Crest FA901, Crest FA2401

#### Mic Lines

- 116 XLR mic lines total, with 12 return lines to stage.  
 24 XLR lines each in pit, down stage left, and down stage right (30ft. snakes)  
 5 in-stage pockets down stage.

#### Communications

- Clear Com SB-440 4 channel system to all stage and house positions.  
 Monitors and paging system to all off stage areas.  
 HME Wireless Comm. (3 available for client use)  
 HEAR Technologies Hearing Assist System with 24 headsets

#### Video

- Panasonic CP-414 camera providing a front of house stage view to monitors in the lobby and greenroom areas. IR camera for stage view in blackouts. Extra color & BW cameras for conductor camera / misc.

### RIGGING

- 44 Counter-weighted Line Sets w/56' long 1 1/2" o.d. pipes  
 58 feet from stage floor to under side of grid; Batons Grid at 55 feet  
 34 Available Line Sets, 900 lb. max. arbors  
 21 Available Line Sets—without moving soft legs, borders and black drop.  
 Fly Rail stage right, Grid loading bridge, Mid-range w/ pin rail.  
 Grid access down stage left and up stage right  
 Main Curtain, Guillotine style, manual Line 1 (permanent)  
 1 Black Curtain, 28' U.S. of plaster line Line 36  
 1 Black Curtain, 15'9" U.S. of plaster line Line 21  
 5 Sets Soft Black Legs, 16' x 30' Lines 12, 19, 24, 31, 38.  
 1 Sets Soft Black Legs, 16' x 40' Line 3  
 (5'0" pipe extensions available for Leg batons)  
 4 Soft Black Borders, 14' x 56' Lines 2, 11, 26, 37.  
 Opera Pro Cyc, white, 58' x 32' Line 43 (permanent)  
 Front projection screen, 20' x 20' Line 10  
 (60'0" throw from balcony rail to screen when on line set 10)

### DRESSING ROOMS

- 8 total, w 28 mirrors and close backstage access  
 #1 and #2 Lead w/2 mirrors each and private water closet each  
 #3 through # 8 Chorus, 4 mirrors each, 1 sink for 8 mirrors  
 One shower in each of backstage restrooms.  
 Pipe & Drape available for Quick Change Booths.  
 Green Room off stage down right.

### LIGHTING

- Rear of House Control - ETC Insight3 w/ Emphasis Server, Unison house control  
 376 2.4kw ETC dimmers, DMX 512  
 2 ETC Rolling Dimmer Racks: 12x2.4kw  
 Dimmer per circuit, all circuits 20 amp  
**All Circuits, Instruments, and cable L5-20)**

#### Disconnects Downstage Left

- 1 @ 600 amp, 3 phase, 4 wire, 120 / 208 Y (Rolling Racks)  
 1 @ 400 amp, 3 phase, 4 wire, 120 / 208 Y

#### Lighting Instrument's and Equipment

##### Additional Instruments

- |     |                               |                           |
|-----|-------------------------------|---------------------------|
| 3-  | 10 degree ETC Source Fours    | 575w, w/pattern/iris slot |
| 25- | 19 degree ETC Source Fours    | 575w, w/pattern/iris slot |
| 15- | 26 degree ETC Source Fours    | 575w, w/pattern/iris slot |
| 10- | 36 degree ETC Source Fours    | 575w, w/pattern/iris slot |
| 40- | ETC Parnels                   | 575w                      |
| 50- | 6x9 Altman 360Q Ellipsoidals  | 575w, w/pattern slot      |
| 15- | 6x12 Altman 360Q Ellipsoidals | 575w, w/pattern slot      |
| 50- | 6x16 Altman 360Q Ellipsoidals | 575w, w/pattern slot      |
| 4-  | 6x22 Altman 360Q Ellipsoidals | 575w, w/ pattern slot     |
| 10- | PAR 64 (VNSP,NSP,MFL,WFL) 1kw |                           |
| 7-  | Kliegl 3 Color Cyc Lights     | 1- 1kw lamp/color         |
| 8-  | 56" Altman Ground Cys         | 2 - 1kw lamps/color       |

##### Additional Equipment

- 4- Lycian #1209 Midget HP Followspots, HMI/SE 575w lamp  
 20- Forerunner Colorsrollers, 16frames  
 8- 12'-0" Booms w/ bases  
 2- 4' to 7'-0" Adjustable Booms  
 20- Side Arms & Misc. Sliding T's  
 4- 5'-0", 4 Rung Ladders  
 2- 3'-0", 3 Rung Ladders  
 20- 6" Barndoors  
 12- 8" Barndoors  
 20- 6" Top Hats  
 2- 50' 6 Circuit Multi Cables  
 Cables: 50 @ 5', 60 @ 10', 70 @ 25', 30 @ 50', and 70 2-fers.  
 5- 4/0 Camlock tails for power tie ins (reverse neutral/grounds)

### ADDITIONAL SERVICES

Personnel are billed to the Attraction at cost Plus 50% overhead. Consult Theatre Technical Director for estimate. Pianos for stage use tuned at Attraction's request and expense or a user fee will be incurred. Attractions will be charged lighting instrument lamp use with gel fee on a prorated formula. Expendables i.e.: tape, duvetyne, batteries and hardware are available on a limited basis at cost. Except for damage and wireless mic usage, there are no other additional charges for the use of the rest of the above listed equipment. For most current hang plots and house plots consult theatre technical director.

### FOR ADDITIONAL INFORMATION

David Cruise, Technical Director  
 La Mirada Theatre for the Performing Arts  
 14900 La Mirada Blvd., La Mirada, CA 90638  
 FAX (714) 994-5796  
 E-MAIL : DCruise@lamiradatheatre.com  
 \* Last updated 9/15/2009



LMT 2009