

I. Main Auditorium Seating

Seating Capacity

- Seating Capacity 2,767 with pit seating
 - Main Floor: 1,381 (including Pit seating)
 - Balcony: 1,214
 - Boxes: 172

II. Technical/Load-in Information

Stage Specs

- Stage: 110' wide x 65' deep (7,270 sq. ft)
- Proscenium: 30' high x 53'4" wide
- Fly System: 87-line sets, counterweight system
- Upstage bustle: 53' wide x 38' deep x 26'4" high
- (2) 8' x 8' traps
- Stage Left wing: 1000 square feet – concrete
- Stage Right wing: 2400 square feet – concrete
- Floor: Tongue and groove maple with a dark stain on sleepers. May not be painted. Limited screwing and lagging allowed with approval.
- Orchestra Pit: 1,650 sq. ft. | Accommodates 95 musicians
 - 53' wide and 32' deep including the under-stage space. 16' of pit is under stage and not height adjustable. Lift comprises the downstage 16' of the pit and is split into upstage and downstage lifts. Each lift may be stopped at any height in its travel. Maximum pit depth is 9'-6" below stage level.

House Curtain

Burgundy velour with fringe. Guillotine only. Center split for paging. Counterweight hand set operates from stage left, stage level.

Stage Draperies

- Black scrim
- White Scrim
- White plastic rear projection screen
- White bounce drop
- Black Bobbinette

Black Velour

- (6) 11' wide x 40' high legs
- (8) 12' wide x 40' high legs
- (6) 12' wide x 30' high legs
- (2) 67' wide x 15' high borders
- (2) 65' wide x 15' high borders
- (3) 67' wide x 12' high borders
- (1) 65' wide x 11' high border
- (1) 67' wide x 7' high border
- (1) 70' wide x 40' high Black Out Curtain
- (1) approx. 60' wide x 36' high Black Out Curtain

Power

- (3) 400A, 3ph company switches USR
- (4) 200A, 3ph utility switches, DL, DR, UL, UR
- (1) 200A, 3ph isolated ground switch for sound (Can be used either SR or SL)

Lighting

- ETC Ion 2000 Console - currently housed in the control booth at the rear of the main orchestra level.
Remote focus unit outlet at stage level.
- FOH: 30+ circuits per zone
- Inventory
 - (2) ETC Source 4 Par wide
 - (18) 5° ETC Source 4 ellipsoidal (Front-of-house)
 - (48) 10° ETC Source 4 ellipsoidal (Front-of-house)
 - (46) 19° ETC Source 4 ellipsoidal (208) 26° ETC Source 4 ellipsoidal
 - (38) 36° ETC Source 4 ellipsoidal
 - (13) 50° ETC Source 4 ellipsoidal
 - (109) PAR 64 MFL 1K
 - (12) PAR 16

- (12) 3" 150 W Fresnels
- (4) Strand Bambino 5K Fresnels (#683 w/ 5830/3 lenses) (With Color Scrollers)
- (10) Far Cyc 1K 3 Cell (4'-6")
- (16) LT T-3 Strips (7'-9")
- (20) Ministrips 3 Ckt, 75W (6'-0")
- Additional lekos are dedicated FOH for curtain warmer
- Dimming
 - 192 ETC Sensor dimmers for the front of house and architectural dimming are located in climate-controlled rooms in the basement.
 - Three additional 96 dimmer racks are located on the fourth floor, stage right, to service on-stage dimming needs.
 - There is no permanent cabling to the on-stage dimmers.
 - (1) 6 x 6K ETC rack available for big loads.
- Cables and Accessories
 - (2) Genie lifts
 - (4) EFX Plus 2 units (Fire/Cloud/Water disks)
 - (24) Source 4 Lens Tubes 36°
 - (6) Source 4 Lens Tubes 50° Some top hats for ETC ellipsoidal
 - Miscellaneous cable
 - (10) Boom Bases
 - B size Template holders
 - (6) Ladders
 - (4) Rolling Booms
 - Footlight hangers for ministrips
 - (11) 60' black xetex fireproof border
- Followspots
 - (3) Robert Juliat 4.5° Aramis followspots, 208v units.
 - (6) color booms + frost

Audio Equipment

- Soundcraft VI 1 w/CAT 5 Snake
- Yamaha LS9-32 Console - FOH
- Outboard
 - (2) DbX 231 (2 Ch. 31 Band 1/3rd Octave EQ)
 - DbX 166 XL (2 Ch. Compressor/ Limitor)
- Speakers

- (16) EV XLC127+ Line Array
- (2) EV XLC215 Subs (4) EAW JFX 590
- (4) EAW JFX 590
- (2) EAW SB 180 ZR
- (2) EAW JF80
- Amplifiers
 - 10 Crown Itech (Line Array)
 - 8 Channels, Crown Power Amp
- Microphones
 - Wireless: (2) Sennhieser EW100 Handheld, (6) Sure UXL E6 / SM58
 - Wired: Miscellaneous Sure Mics (SM57)
- Playback
 - CD/DVD/Cassette Players as Nec.
 - Denon Instant playback system (MP3)
- Power
 - 200A isolated ground service at SL/SR. Service is 200A total for both panels.
- Paging
 - A dressing room paging system is installed. Microphone is downstage right. An emergency paging system covering the entire backstage and public space is also installed. It is also located from stage right and control booth.
- Hearing Impaired System
 - A Williams hearing impaired system is installed for the auditorium. There are currently 12 headsets available.
- Snake
 - 32 Channel, 8 Aux Whirlwind Snake- INSTALLED SR to FOH Mix

Video Equipment

The Opera House has video equipment in-house to accomplish a number of specific tasks. A balcony rail mounted camera feeds the stage manager's console and several backstage and lobby monitors with a show program feed. If needed, a camera mounted in the pit is focused on the conductor and the feed sent to monitors on the balcony rail, the stage manager's console and roving monitors on stage.

Loading Dock

- Two 53' trailer capacity
- Ramp access to stage level

Dock is fenced on all sides with access gates for truck entry and auxiliary loading access. Two dock levelers will accommodate trucks higher or lower than standard dock height. An aluminum walk ramp (capacity 1000lbs) is available for drop frame trailers. The house does not provide forklifts. Total square

footage for the dock is approximately 500 square feet. All material must travel down an incline into the theatre. This ramp drops 3' over 22' of travel. Two Johnson bars and various dollies are available to assist loading.

Rigging and Fly System

- Counterweight System: 87-line sets (63' long) plus (1) stage left and right tab set. Line travel - 82'
- Arbor capacity 1900 lbs. including batten weight.
- (12) sch. 40 truss battens. 63' long
- (75) sch. 80 single pipe battens. 63' long
- (2) lock rails SL. One at deck and one at pin rail (+40' 5")
- Six lift lines per set. Lines - 5'9", 17'3" and 28'9" left and right of center.
- Additional hang points are located down stage of plaster line.

Contact the Technical Director for current Line Set Schedule.

Hemp Rigging

- Pin rails SL and SR at +40'5" from deck.
- (72) - 8" grid mounted loft block. Sized for 3/4" rope.
- (10) - four line, 8" hemp head blocks. Sized for 3/4" rope.
- (32) - single line hemp head blocks. Sized for 3/4" rope.
- (32) - 8" Rope spot blocks - Matching well sheaves

Gridiron

- 85 feet above stage level. Grid surface is structural steel grating.
- Roof mounted loft blocks
- 5'8" x 5'8" access doors through grating with a beam overhead for hoisting.
- Stair access to sixth floor. Mandatory 20ft. ladder climb to working grid level

Wardrobe

- 725 square feet wardrobe room at basement level with freight elevator access.
- 3 Washers, 3 Dryers.
- Rolling wardrobe racks available upon request.

Dressing Rooms

- Basement
 - Conductor's dressing room 185 square feet with private washroom
 - (3) Chorus dressing rooms 500 square feet each. Suitable for up to 12 performers each.
 - Musician's Lounge 750 square feet – washrooms are down the hall and are shared with the Chorus dressing rooms.
- Stage Level

- (3) Principal/Star dressing rooms with a washroom and shower in each. Suitable for 1-2 performers.
- Second Level
 - Room 211 - 175 square feet with washroom attached. Suitable for 3-5 performers.
 - Room 213 - 120 square feet with washroom attached. Suitable for 3-5 performers.
 - Room 214 - 145 square feet with washroom attached. Suitable for 3-5 performers.
- Third Level
 - Unisex Chorus room with full men's and women's washrooms attached. Suitable for 35- 40 performers.

Storage Space

Storage of empty boxes and unused equipment can be accommodated. On larger shows it may be necessary to load empties back to the truck. Consult with the technical director to discuss individual needs.

Union Labor

- IATSE Local #38 (Stagehands), Local #786 (Wardrobe)
 - The Detroit Opera House operates under agreements with the International Alliance of Theatrical Stage Employees (IATSE), locals #38 and #786. All stage work connected with a production will be covered under the terms of that agreement. Stagehands will be used for all work on temporary platforms installed in the auditorium of the theatre as well as the stage. Lobby areas will utilize stagehand labor for all installation of theatrical, electrical, or audiovisual equipment. Clients should contact the technical director with complete production requirements to facilitate a labor estimate well in advance of each event.

Truck Parking

The loading dock accommodates (2) 53-foot trailers and attached tractors for short periods of time. When parking trucks on the street, it is recommended that drivers remain with the tractors. Long-term trailer accommodation can be made upon request.

Road Production Offices

The road production offices are located upstage left, across the hall from the star dressing rooms. They are suitable for up to three people per room. Long distance is accessed via credit card only. Both offices offer wired Internet access. Ethernet cables are NOT supplied. Office 1 has four phone lines, Office 2 has two phone lines.

Musicians

The Detroit Opera House operates under an agreement with the Detroit Federation of Musicians, local 5, AF of M. All auditorium events requiring local musicians must engage them and the terms of this agreement. Please contact the Technical Director for more information.

Additional Equipment available for rent

- (3) CM Lodestar Chain motors (1/2 ton) running at 16 fpm.

- (8) CM Lodestar Chain motors (1 ton)
- Skjonberg 8-channel motor controller
- Eight-chain motor cradles for spotting motors Cyclorama pipe available
- Orchestra Chairs and Stands
 - (95) black padded Shelby Williams straight chairs
 - (7) Roc-n-Soc bass stools
 - (8) Plexiglass sound shields
 - (100+) Manhasset music stands with lights

III. Box Office and Marketing

Box Office

- Ticketmaster
- Regular box office hours are M-F 10am-5:30pm and two hours prior to each performance (shortened summer hours may apply)
- Onsite ticket window with three windows

Onsite Posters and Displays

- Limited exterior and interior poster cases may be available in a variety of sizes. More details upon request.

Exterior marquee

- Digital graphics (1980x1020) can be rotated on our exterior marquee located at the corner of John R Street and Madison Ave.

For Technical Questions:

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