

Moore's Opera House Technical Information



Revised February 2023

Seating Capacity

800 total

575 (585 including 4 seats in each box) downstairs

225 (220 including 4 seats in each box) balcony

Stage Information

Proscenium Width	50' 6"
Proscenium Height	27' 9"
Plaster Line to Back Wall	40'
Apron	11' at center; 6' at edges
Orchestra Pit (apron section)	
(lower section)	
Stage Floor to Grid	72'
Stage Floor to Ceiling	82'
Stage Specs	#1 Blonde Maple Covered with rolls of Black DuPont flooring material for theatrical productions 53' deep to the edge of the pit 42' deep to the edge of the stage 100' rail to wall
Counterweight System (JR Clancy)	56 line sets primary 6" on center; single purchase 70' batons with 1500 lb arbor capacity 1 st electric is motorized (all others counterweight) 3 line sets dedicated to concert shell clouds Fly floor is stage left The grid and loading bridge are accessible via stairway. Most system pipes are 2" in diameter
Electric Service Road Switch	Yes, outside loading dock; aux backstage
Sound Power Road Switch	No
Light Board	Element 60
Spotlights	2
Sound Board	Midas Pro Series 1
Fire Curtain	SureGuard

Orchestra Shell:

Wenger Diva

3 Shell Positions

Dashed lines=Electrics

(first electric holds surtitle screen)

Proscenium 50'

Each shell door/ panel 4'

Front of Pit to:

Large Shell=approx. 49'

Medium Shell=approx. 39'

Small Shell= approx. 28'

Shell adjustable as ceiling permits.

3 ceiling sections each with 2 strip lights

Dressing Rooms

6 Dressing Rooms available, accommodations for approximately

30 people. All equipped with lighted table mirrors in chorus dressing rooms, utility outlets.

Dressing Room #	# of People	Bathroom	Shower	Wheelchair Accessible	Other
113	2-4	Yes	No	Yes	
115	2-4	Yes	No	No	
117	2-4	Yes	No	No	
119	2-4	Yes	No	No	
107A	7-10	Yes	Yes	No	
107	14-22	Yes	Yes	No	

Additional Spaces

Rehearsal Room

Caterer's Kitchen

Loading Dock

1 Bay: at ground level. Please discuss any planned usage with staff.

Lighting Inventory:

Instruments:

- 4- ETC Source 4 #410 Complete With Frame, C-Clamp, Safety, Lamp and Pin Connector
- 12- ETC Source 4 400LT10 Barrel With Frame
- 44- ETC Source 4 #419 Complete With Frame, C-Clamp, Safety, Lamp and Pin Connector
- 65- ETC Source 4 #426 Complete With Frame, C-Clamp, Safety, Lamp and Pin Connector
- 58- ETC Source 4 #436 Complete With Frame, C-Clamp, Safety, Lamp and Pin Connector
- 58- Strand 6" Fresnel Complete With Frame, C-Clamp, Safety, Lamp and Pin Connector
- 10- L&E Par 64 Can Complete With Wide Flood Lamp, Frame, C-Clamp, Safety, and Pin Connector
- 19- L&E Par 64 Can Complete With Medium Flood Lamp, Frame, C-Clamp, Safety, and Pin Connector
- 12- Altman 3 Cell Sky Cyc Complete With Frame, C-Clamp, Safety, Lamp and Pin Connector
- 2- Lycian Starklite 1271 Follow Spot Complete With Lamp and Connector

Accessories:

- 50-24" Sidearms
- 25-ETC 400DN Donuts
- 12-ETC 410DN Donuts
- 28-6" Bamdoor
- 20-8" Bamdoor
- 30-Template Holders, ETC Source Four 20-Drop In Iris, ETC Source Four
- 6-Scenery Bumpers
- 8-50 Pound Bases
- 8-Ring Tops for Lighting Booms
- 8-21' Pipe, 1.5 Inch Schedule 40 for Lighting Booms 6-Pipe Stiffeners

Cables:

- 88-Molded Twofers With Pin Connectors
- 4-Branchoffs, 50 Amp Male to 3 20 Amp Individually Fused Female 41-5' Jumper, 20 Amp WI Pin Connectors
- 41-10' Jumper, 20 Amp WI Pin Connectors
- 57-25' Jumper, 20 Amp WI Pin Connectors
- 25-50' Jumper, 20 Amp WI Pin Connectors

3-100' Jumper, 20 Amp WI Pin Connectors
4-25' Jumper, 50 Amp WI Pin Connectors
7-Veam Connector Fan-Out, 6 Circuit WI Female Pin Connectors
7-Veam Connector Breakout, 6 Circuit WI Female Pin Connectors
7-10' Multicable Extension, Male and Female Veam Connectors
10-20' Multicable Extension, Male and Female Veam Connectors

Spare Lamps:

11-HPL 575, Source ETC
8-BTR, Strand 6" Fresnel 3-FFR, Par 64 Cans
3-FFS, Par 64 Cans
5-FFT, Altman Sky Cycs

Notes: We no longer have the bases and pipe for booms. We have added 24 source 4s and 36 parnels.

Physically counted lens barrels:

1 5 deg
13 10 deg
31 19 deg
76 26 deg
49 36 deg
6 50 deg

326 2000 W Dimmers Some doubled in places (265 for production, balance is for house lighting)

First 24 dimmers in wall pockets back stage are doubled in the pit
6 4K Dimmers

7 electrics (6th is stripped, 7th is Altman sky cyc)

1st electric has raceway and is motorized. No drop boxes. All other electrics have Soco breakouts.

DMX ports available on SL, SR, US back wall, in catwalk areas, in lighting booth, and front of balcony rail.

Soft Goods:

4 sets legs and teasers
1 teaser
1 full stage cyclorama
3 full stage white drops for projection

- 3 full stage white scrims
- 1 full stage black scrim
- 2 full stage blackout (1 damaged awaiting repair)
- 1 black traveler (dead hung)
- ½ Red Grand Drape
- 1 Narrow white Drop for projection (40' wide)
- 1 pair black duvatine legs (12'w by 20' h)
- 1 red Austrian Drape (20' w by 22' h)
- 9 Lt Gray Panels (9' w by 20' h) originally used with curved cyc frame

Audio Inventory

Item	Make/Model	Quantity	Link	Location	Notes
Audio Console	Midas PRO 1	1	https://www.midasconsole.com/product.html?modeICode=P0BNI	Audio Booth	iPad Controller
Mic Pre	Benchmark Systems MPS-400	1	https://www.posthorn.com/Bench_3.html	Audio Booth Rack	4 Channel Mic Preamp
Mic Pre	Benchmark Systems MPS-420	1	https://www.posthorn.com/Bench_3.html	Audio Booth Rack	4 Channel Mic Preamp
CD Player	Tascam CD-301 MKII	1	N/A	Audio Booth Sidecar	
Stereo Audio Recorder	Marantz PMD 570	2	https://www.solidstatesound.co.uk/pdf/PMD570_manual.pdf	Audio Booth Sidecar	
CD Recorder	Tascam CD-RW901SL	1	https://tascam.com/us/product/cd-rw901sl/feature	Audio Booth Sidecar	
Projector	Christie DWU775-E	1	https://www.christiedigital.com/products/discontinued-products/end-of-support/end-of-support-projectors/christie-dwu775-e/overview	Audio Booth	
Computer (Desktop)	Dell Optiplex 9030 AIO Series	1		Audio Booth	Processor: i5-4590S CPU @3.00GHz 8GB RAM 465GB Hard Drive It is very slow and I'd recommend avoiding using it. It could be useful as a streaming monitor.

Computer (Desktop)	iMac ????	1		Audio Booth	It turns on but is extremely old
External Hard Drive	LaCie USB Hard Drive	1		Audio Booth	1.81TB
External Hard Drive	Samsung T7 Portable Hard Drive	1	https://www.samsung.com/us/computing/memory-storage/portable-solid-state-drives/portable-ssd-t7-usb-3-2-2tb--gray--mu-pc2t0t-am/	Audio Booth	2TB USB-C SSD
Wireless Mic (Lav)	Shure T4N-CV	1		Audio Booth Closet	208.200MHz. Might be illegal to operate.
Wireless Advancer	R800 LASER PRESENTATION REMOTE	1	https://www.logitech.com/en-us/products/presenters/r800-professional-presenter.910-001350.html	Audio Booth Closet	Takes 2 x AAA batteries
Microphone	Shure SM91	4		Audio Booth Closet	Requires Shure ILP-1 preamp in order to use.
Microphone	Shure SM81	5	https://www.shure.com/en-US/products/microphones/sm81	Audio Booth Closet	
Wireless Mic Receiver	Shure BLX4 (H10)	1		Audio Booth	Freq Range: 542-572MHz. Please note there is only 1 receiver.
Microphone (Headset TX)	Shure BLX1 H10	1	https://www.shure.com/en-US/products/wireless-systems/blx_wireless/blx1	Audio Booth Closet	Freq Range: 542-572MHz. Please note there is only 1 receiver.
Microphone (Handheld TX)	Shure BLX2/PG58	2	https://www.shure.com/en-US/products/wireless-systems/blx_wireless/pg58-blx2	Audio Booth Closet	Freq Range: 542-572MHz. Please note there is only 1 receiver.
Microphone	Sennheiser 421	1	https://en-us.sennheiser.com/recording-microphone-broadcasting-applications-md-421-ii	Audio Booth Closet	
Microphone	Electrovoice RE-20	1	https://products.electrovoice.com/na/en/re20/	Audio Booth Closet	
Microphone	Neumann KM184	1	https://www.neumann.com/homestudio/en/km-184	Audio Booth Closet	
Microphone	Electrovoice ND-408B	2	https://products.electrovoice.com/binary/ND408B%20Engineering%20Data%20Sheet.pdf	Audio Booth Closet	Dynamic Supercardioid
Microphone	Senneheiser MD 431 II	4	https://en-us.sennheiser.com/vocal-microphone-speech-broadcast-mic-md-431	Audio Booth Closet	Supercardioid

Microphone	Shure Beta 91a	1	https://www.shure.com/en-US/products/microphones/beta_91a	Audio Booth Closet	Half Cardioid
Microphone	AKG CK98 with SE 300B	2	https://www.akg.com/support/2439X00080.html https://www.akg.com/support/2439H00040.html	Audio Booth Closet	Shotgun
Direct Box	Whirlwind PCDI	2	https://www.bhphotovideo.com/c/product/328757-REG/Whirlwind_PCDI_pcDI_Stereo_Direct_Box.html	Audio Booth	Inputs: 1/8" TRS, Stereo 1/4", Stereo RCA Output: Stereo XLR
Direct Box	Whirlwind Director Direct Box	3	https://www.bhphotovideo.com/c/product/341733-REG/Whirlwind_DIR_DIRECTOR_Studio_or.html	Audio Booth	Input: 1/4" Output: 1/4", XLR
Direct Box	Whirlwind HotBox Active Reference DI	2	http://whirlwindusa.com/catalog/black-boxes-effects-and-dis/direct-boxes/hotbox	Audio Booth	Input: 1/4" Output: 1/4", XLR
Speaker	EAW FR253e	2	https://www.10kused.com/wp-content/uploads/2019/11/FR253e.pdf	Stage Right Closet	Full Range, Passive
Speaker	EAW FR102H	2	https://www.manualslib.com/manual/230345/Eaw-Fr102.html	Stage Right Closet	Fill
Speaker (Monitor)	EAW SM200iH	4	https://www.manualslib.com/manual/41828/Eaw-Sm200ih.html	Stage Right Closet	Full Range, Passive
Mic Stand	Drum Miking Stand 15 inch-26 inch (Table to Top of Threads) Height Adjustment - Ebony	6	https://www.atlasied.com/dms10e	Stage Right Closet	
Mic Stand	Drum Miking Stand 9 inch-12 inch (Table to Top of Threads) Height Adjustment - Ebony	2	https://www.atlasied.com/dms7e	Stage Right Closet	
Mic Stand	All-Purpose Mic Stand Chrome	4	https://www.atlasied.com/ms-10c	Stage Right Closet	
Mic Stand	All-Purpose Mic Stand Ebony	6	https://www.atlasied.com/ms-10ce	Stage Right Closet	

Mic Stand	K&M Boom Stand	9		Stage Right Closet	
Microphone	Shure SM57	1	https://www.shure.com/en-US/products/microphones/sm57	Stage Right Closet	Cardiod
Microphone	Shure SM58	1	https://www.shure.com/en-US/products/microphones/sm58	Stage Right Closet	Cardiod
Microphone	Shure Beta 57a	1	https://www.shure.com/en-US/products/microphones/beta_57a	Stage Right Closet	Super Cardioid
Microphone	Shure 102B	1	https://www.manualslib.com/manual/583758/Shure-Microflex-Sm102.html	Stage Right Closet	Unidirectional Condenser
Wireless Microphone System	Shure VHF Diversity Receiver	1		Stage Right Closet	169.445MHz. I'm pretty sure this is illegal
Microphone	Neumann KM184	2	https://www.neumann.com/homestudio/en/km-184	Flown above the stage	Center Cluster
Microphone	Neumann KM183	2	https://en-de.neumann.com/km-183-series-180	Flown above the stage	Outter Left and Right

Cable Type	Audio/Video	Length	Quantity	Location	Notes
1/4" unbalanced male to 1/4" unbalanced male	Audio	3'	1	MOH Booth	
1/4" unbalanced male to 1/4" unbalanced male	Audio	20'	1	MOH Booth	
1/4" unbalanced male to XLR female	Audio	10'	1	MOH Booth	
1/4" balanced male to XLR female	Audio	6'	2	MOH Booth	
1/4" balanced male to XLR female	Audio	10'	2	MOH Booth	
1/4" balanced male to XLR male	Audio	10'	3	MOH Booth	
XLR female to XLR male	Audio	10'	5	MOH Booth	
XLR female to XLR male	Audio	25'	5	MOH Booth	
1/8" male TRS to 1/8" male TRS	Audio	6'	2	MOH Booth	
1/8" male TRS to dual male RCA	Audio	6'	2	MOH Booth	

HDMI	Video	6'	2	MOH Booth	
HDMI	Video	10'	2	MOH Booth	
HDMI	Video	15'	2	MOH Booth	
XLR female to XLR male	Audio	20'	27	MOH Closet	
XLR female to XLR male	Audio	25'	1	MOH Closet	
XLR female to XLR male	Audio	30'	5	MOH Closet	
XLR female to XLR male	Audio	50'	10	MOH Closet	
XLR female to XLR male	Audio	75'	4	MOH Closet	
XLR female to XLR male	Audio	100'	5	MOH Closet	
12 Channel XLR Stage Box	Audio	50'	2	MOH Closet	Whirlwind Medusa. No returns.
6 Channnel XLR Stage Box (3 Balanced 1/4")	Audio	50'	3	MOH Closet	Whirlwind Medusa. 3 1/4" Female jacks on stage box. 3 Male 1/4" balanced at fan out.
16 Channel XLR Stage Box (4 Balanced 1/4")	Audio	100'	1	MOH Closet	Rapco
NL4 male to NL4 male	Audio	10'	8	MOH Closet	
NL4 male to NL4 male	Audio	25'	8	MOH Closet	
NL4 male to NL4 male	Audio	50'	6	MOH Closet	
NL4 female to NL4 female barrel	Audio	N/A	8	MOH Closet	
AC Extension	Power	100'	2	MOH Closet	
AC Extension	Power	50'	3	MOH Closet	
AC Extension	Power	25'	2	MOH Closet	
Power Strip	Power	N/A	2	MOH Closet	