The Ellie Caulkins Opera House
Housed in the Quigg Newton Denver Municipal Auditorium

Venue and Technical Guide

The Ellie Caulkins Opera House

The Ellie Caulkins Opera House, Colloquially known as "The Ellie," is the premier venue inside of the historic Quigg Newton Denver Municipal Auditorium. The Ellie, a world-class acoustical hall designed in the lyric style, encompasses four levels: The Balcony, Loge, Mezzanine and Orchestra. This magnificent space is humidified and provides state-of-the-art technical support as well as acoustical excellence and clean sight lines. The Ellie is one of only three opera houses in the United States, one of nine world-wide, with seatback titling at every seat in the house. The Ellie is designed to attract top artists to the Mile High City and to make their performances here unforgettable.

Seating Capacity: 2,225 Orchestra: 607 / Parterre: 528 / Mezzanine: 416 / Loge: 325 / Balcony: 349

Stage: The Proscenium opening is 40' high and 65'-2 3/8" wide and measures 54'-2" deep. The measurement of Downstage to the Proscenium is 3'-3".

Orchestra Pit: The Orchestra Pit features two pit lifts that can accommodate up to 120 musicians and features movable walls, the smaller configuration accommodates up to 75 musicians.

Counter Weight System: The Ellie is equipped with 96 line sets on 6" centers. Each arbor measures 14 feet in length and the capacity per arbor is 2,000 pounds. The system has two locking rails, one at Stage level and the other at Stage Right. The pipe travel is 99'-5" and the grid is 105 feet above the stage deck. The length of the house pipes is 70 feet.

Stage Door: The Ellie Stage Door entrance is located at 1345 Champa Street.

Loading Dock: There are two, semi-truck capable docks located next to the Stage Door located on Champa Street between 13th and 14th Streets. Door Dimensions 25' Wide by 16' High.

Dressing Rooms: Each Dressing Room is equipped with plenty of lighting and mirrors. There are two "Star" Dressing Rooms located on the Stage Level of the Opera House each "Star" Dressing Room has its own piano. There are also 6 "Principle" dressing rooms on the stage level. The second floor features two large "Chorus" Rooms", five "Support" Dressing Rooms, a Make-Up/Wig and Wardrobe Rooms. The second floor also has a Wardrobe office and Chorus Lounge.

Make-Up/Wig and Wardrobe Rooms: The Wardrobe Room measures 11'-5" wide by 40' deep and houses 3 Kenmore Washer and Dryers. The Make-Up/Wig Room measures 36' wide by 23' deep (pictured below).

Power: House Power consists of:
1 PS-8 3 Phase 200 Amp Service – Located Down Stage Left
3 3 Phase 400 Amp Service – located Down Stage Left
1 3 Phase 400 Amp Service – located Stage Left Center
3 3 Phase 400 Amp Service – located Down Stage Right
1 3 Phase 400 Amp Service – located Down Stage Center Pit

Electrics:

Board Location:	Back of House	**Beam/Cove:**	Cats + Slot
Cable Run:	250'	**Circuits:**	104
House Lights:	Stage Right	**Box Booms:**	Yes
Pick Lines:	Yes	**Circuits:**	12 Per side
Spots:	Lycian 1200 XLT 2K	**Balcony Rail:**	Yes
10" Barrels:	40	**Circuits:**	18
		Mezz Rail:	Yes
		Circuits:	18
		Loge:	Yes
		Circuits:	18

Sound:

Mix Position:	2	**Paging System:**	Yes
Position Size:	10'x4' MID 15'x10' BOH	**Spot Lines:**	Yes
Path to FOH:	Through	**High Speed:**	Yes
Snake Run:	250'-300'	**# of Balconies:**	3
Truss Points:	Yes	**Balcony Delay:**	No
Tower Points:	Yes		

Props:

Pit:	Yes	**Change Booths:**	Yes	
Movable:	Yes	**Orch. Chairs:**	120	
Carpet:	Yes	**Music Stands:**	120	
Pit Boarder:	Yes	**Orch. Lights:**	120	

Ellie Caulkins Audio Rental Inventory:

Quantity	Make	Model	Description
1	Digico	D-5	Digital Mixing Console
2	Digico	DigiRack	Digital Console I/O Rack
2	Toa	M-900MK2	70 Volt Powered Mixer
4	Klipsh	Klipsh	Passive Speaker
10	Crown	Macro Tech 1200	Power Amplifier
7	Crown	Macro Tech 2400	Power Amplifier
1	Crown	Macro Tech 3600VZ	Power Amplifier
1	Crown	Macro Tech 600	Power Amplifier
1	Marantz	CDR 610	CD Recorder
2	Crown	IQINT2	IQ Computer Interface
1	Senhieser	SI1019A	Infra Red System Power Module
2	Senhieser	SIK1019A	Infra Red Input Module
2	Audio Technica	AT-857QMa	Gooseneck Podium Microphone
2	Audio Technica	ATM-41a	Dynamic Microphone
1	Senhieser	BF-1081U	UHF Hand Held Transmitter
2	Senhieser	BF-1083-UHF	UHF Belt Pack Transmitter
2	AKG	C-3000	Large Diaphram Condenser
2	AKG	C-408	Clip On Instrument Microphone
2	AKG	C-414B-ULS	Large Condenser Microphone
2	AKG	C-451E	Condensor Microphone
6	AKG	C-747	Mini Shotgun Microphone
2	AKG	C-Ducer	Contact Piano Microphone
6	AKG	CK-91	Cardiod Condenser Capsule
2	AKG	CK-93	Hyper-Cardiod Condenser Capsule
2	Senhieser	EM-1031U	Single Channel UHF Reciever
1	Klark Technik	KT-Test	Measurement Microphone
1	Beyer Dynamic	M-201	Microphone
2	Beyer Dynamic	M-260	Microphone
2	Countryman	M4HP5VS18EB	Podium Microphone
3	Beyer Dynamic	M-500	Microphone
4	Beyer Dynamic	M-88TG	Dynamic Microphone
4	Senhieser	MD-409U3	Large Dynamic Microphone
4	Senhieser	MD-421U	Dynamic Microphone
4	Senhieser	MD-441U	Large Dynamic Microphone
6	Crown	PCC-166	Phase Coherent Cardiod Foot Mic
6	AKG	SE-300B	Microphone Preamp for CK-91/93
3	Shure	SM-11	Lavalier Microphone
2	Shure	SM-56	Dynamic Microphone
11	Shure	SM-58	Dynamic Microphone
1	Shure	SM-58S	Dynamic Microphone w/Switch
2	Shure	SM-81	Condenser Microphone
2	Shure	SM-87	Condenser Vocal Microphone
2	Shure	SM-91	Electric Boundry Microphone
5	GRM	TX-1 Missing Link	Passive Direct Box
1	Clear Com	MS-440	4 Ch. Intercom Base Station

2	Klark Technik	DM-60	Real Time Analyzer
1	Getner	Hybrid Coupler	Telephone Inerface

EllieCaulkins Opera House Lighting Equipment Inventory

60	Source 4 19	ETC	750w
80	Source 4 26	ETC	750w
80	Source 4 36	ETC	750w
10	Source 4 50	ETC	750w
26	Source 4 10	ETC	750w
48	Par 64	Altman	1kw Par
10	Iris 3 light CYC	Strand	1kw
30	Orion 1 light CYC	Strand	1kw
50	MFADER	Morpheous	
10	M-Fader p/s	Morpheous	
4	Follow Spots	Lycian Spotlights	2K Zenon
14	Truss	Tomcat 12"x12"x10' Box Truss	