



# RIALTO

## T H E A T E R

### Technical Advance Packet

*Updated Jan 2024*

#### Load In

The Rialto loading doors open into the side stage left black room area. The alley can be blocked for loading and unloading only. There is limited adjacent parking in the alley for passenger sized vehicles. The stage door to the left leads to the green room and the SL black room. There is no provision for shore power in the alley. (A map and directions are at the end of this document.)



#### Stage Dimensions

**29' 7" W** (at proscenium) x **19' D** (PL to US wall) x **17' 7" H** (at proscenium)



## Draperies, Rigging, and Stage Goods

The stage is equipped with upstage and midstage travelers, two sets of legs and all necessary borders. All of the above are IFR black velour and are dead-hung. An IFR burgundy main drape is also dead-hung. There are (6) counterweighted lines: front valance, 1st electric, a midstage scenery line set, 2nd electric, and (2) upstage line sets to accommodate a drop and the cyclorama cloth. Maximum weight on these lines is 200 lbs. An additional hand/drill operated 2500lb. winch line, currently in use to fly a LED panel video wall and bottom border pipe, is upstage of the upstage traveler. The Rialto stage is treated with black stain and a matte protective clear coat. A **Harlequin Cascade Marley Dance Floor** is available in black for an additional fee. No drilling or lagging of the stage floor is permitted. Eight interlocking, skirted 4 x 4' aluminum platforms of 12"-16" adjustable height are available.

## Power

There is *no disconnect service* for single or three phase power. There is no company switch. Please be aware of this power limitation and plan accordingly. 160 amps of Edison-type wall outlets are available onstage, in addition to 200 amps of dimmer power. Sound and lighting systems are powered on discrete grounds.

## Intercom

There are **Telex Audiocom** intercom headsets available at all tech positions and in the dressing areas. Backstage areas and green room are serviced with stage video and program audio. Paging is available to the green room, backstage areas, and the under-stage dressing rooms from the Stage Manager's position SL. In addition, there are 8 wireless **Eartec UltraLite** headsets which operate independently or together with the wired Telex system.



## Backline

The following is available for an additional fee. Other items may be procured from a third party.

Item	Make	Model
Grand Piano (Theater)	Yamaha	C7
Drums	Mapex	Orion Custom (22" k; 10", 12", 14", 16" t)
Keyboard	Nord	Grand
Keyboard	Yamaha	P200

## Lighting

### Control

Theatrical lighting at the Rialto is controlled from an **ETC Ion XE20** Lighting Console with dual touchscreen monitors. The console connects to a **Pathport QUATTRO 4-port Gateway** for control of over 80 LED and moving light fixtures, spanning four universes of DMX. An **ETC Sensor 96 Dimmer Rack and CEM3** provides control of 62 dimmer channels across 70 circuits. Four floor-pocket stage-pin outlets are available in each wing. A network switch at FOH is set up to allow guest console control of the lighting systems over sACN.



### Lighting Positions

There are two flown counterweighted electrics overhead with sidelight ladder extensions and one dead-hung upstage electric for cyc lighting, all trimmed at a nominal 17' height. The FOH catwalk throw is 65'. There are no box boom or balcony rail positions. 4 booms, 6' steel pipe with 50lb SSRC flat steel bases are available for deck placement.

### Lighting Inventory (see repertory plot, available upon request)

QTY	Brand	Type	Purpose
6	ETC	High End Systems Lonestar	LED Moving Spot
6	ETC	Selador Desire D60 Lustr+	LED Wash
3	ETC	S4 Series 2 Lustr 10°	LED Spot
2	ETC	S4 Series 2 Lustr 36°	LED Spot
4	ETC	Source 4WRD Ellipsoidal 19°	LED Spot
2	ETC	Source 4WRD Ellipsoidal 36°	LED Spot
4	ETC	Colorsourc Spot Jr	LED Zoom Spot
4	Chauvet	Rogue Outcast 2X Wash	LED Moving Wash
8	Chauvet	E-910FC IP 36°	LED Spot
12	Chauvet	ColorDash H7IP	LED Wash
6	Chauvet	Ovation C-640FC	LED Dual Cyc Light
8	Chauvet	ColorDash Batten-Quad 12	LED 4' Strip light
8	Chauvet	ColorDash Batten-Quad 6	LED 2' Strip light
4	Chauvet	Rogue R2X Beam	Moving Beam
8	Chauvet	Intimidator Spot 360	LED Moving Spot
2	Generic	Beam 230W	Moving Beam
6	ETC	Source 4 Ellipsoidal 19°	Incandescent Spot
3	ETC	Source 4 Ellipsoidal 10°	Incandescent Spot
1	Altman	Comet	Follow Spot (Operator Required)
1	Lycian	Super Arc 400	Follow Spot (Operator Required)
2	Chauvet	AmHaze Stadium	Water-based hazer

## Sound

The Rialto sound system is compatible with theatrical and musical programs where sustained sound pressure levels do not exceed 100dB, C-weighted. Please observe this limit. Rialto management and technical staff have final authority regarding mix level.

### FOH Console

Console is a **Yamaha CL5** digital mixer with **Rio 3224-D stage** box on redundant **Dante** networks.



### Mains, Subs, Fills and Center

Mains consists of (2) **Alcons Audio LR7** 8-box line arrays flown SR and SL and (3) **Alcons BF362iMKII** subs ground-stacked in the orchestra pit. Subs are aux fed. Front fill is provided by (2) **Alcons SR9** speakers located under the stage lip. An **Alcons 24W Cimemarray** center fill is hung from the interior top of the proscenium. Power amps are **Alcons Sentinel 3/10**. System control and DSP is accomplished via **Alcons Alcontrol** software. All reinforcement components utilize digital audio signals via AES/EBU inputs and outputs. Digital 5.1 cinema surround sound is processed by a **Dolby CP-950**.



### Monitors

Stage monitors consist of (7) **RCF NX12SMA** (4) **dBTech VIO W10**, (3) **dBTech VIO W15**, (2) **EAW MK8196** sidefills and (1) **QSC KW181** 1000w powered drum sub. A Ramtech STGBX-54 split snake is also available. A **Midas M32** is available as a monitor console. (MON console and engineer are available for an additional fee.)



### Mobile System

A mobile system is comprised of (2) **QSC K12** 12" 2-way active loudspeaker or (8) **QSC KLA12** 12" 2-way Loudspeakers, (4) **QSC KLA181** 18" 1000W Powered Subwoofers, and a **Midas M32** digital console with a **Midas DL32** digital snake.



## Mic Locker

QTY	MAKE	MODEL	TYPE
1	AKG	C 391 B	SDC
1	AKG	C 460 B	SDC
1	AKG	C 535 EB	SDC
2	AKG	C 3000	LDC
1	AKG	D 112	Cardioid Dynamic
2	Audio-Technica	Pro 25	Hypercardioid Dynamic
4	Audio-Technica	U853	SDC (Choir)
3	Audix	D1280	SDC (Mini)
2	Audix	SCX25A	SDC (Lollipop)
2	Bartlett	PCC Condenser	PZM/Floor
1	Countryman	E6	Headworn
2	Countryman	Type 85 Active DI (48v)	DI - Active
1	Heil	PR 48	Cardioid Dynamic
12	K and M	Pro Line Tall Boom Tripod Mic Stand	Mic Stand
11	K and M	Pro Line Medium Boom Tripod Mic Stand	Mic Stand
3	K and M	Pro Line Short Boom Tripod Mic Stand	Mic Stand
7	K and M	Straight Round Base Mic Stand	Mic Stand
1	Radial	A/V Stereo DI	DI - Passive
4	Radial	JDI DI	DI - Passive
1	Radial	Pro DI	DI - Passive
2	Radial	Pro DI - Stereo	DI - Passive
2	sE Electronics	V7	Supercardioid Dynamic
4	Sennheiser	e604 w/ tom-mount clips	Cardioid Dynamic
2	Sennheiser	MD421 II	Cardioid Dynamic
1	Shure	Beta 52A	Supercardioid Dynamic
1	Shure	Beta 57A	Supercardioid Dynamic
1	Shure	Beta 58A	Supercardioid Dynamic
1	Shure	Beta 87A	Supercardioid Condenser
1	Shure	Beta 91A	Halfcardioid Condenser
8	Shure	SM 57	Cardioid Dynamic
8	Shure	SM 58	Cardioid Dynamic
2	Shure	SM 81	SDC
1	Shure	SM 94	SDC
4	Shure	ULXD	(4) SM 58 or (2) Bodypack
2	THOR:Hammer	SE-9 Headset (Tan, Brown)	Omni Condenser



## Video

### *Live Stream*

The Rialto is equipped with 3 stationary **Aida PTZ-NDI-X12** cameras, **Skaarhoj PTZ Fly** camera controller, and **Blackmagic Design ATEM 1 M/E Production Studio 4K** switcher with a **Blackmagic Design ATEM 1 M/E Advanced Panel** control surface. Basic IMAG can also be accomplished. Graphics and other overlay content is created and presented through **Livestream Studio 6**. The Rialto Theater uses **Vimeo** as our live streaming platform.



### *Presentation and IMAG*

All presentation and image magnification is typically accomplished with a 16' x 10' LED panel video wall. This video wall is comprised of **Blizzard IRiS R3** 500 x 500 x 95mm tiles with 3.9mm pixel pitch, and is flown upstage of the upstage traveler. The LED wall is driven by a **Novastar** processor. Industry standard presentation software such as **QLab** and **Resolume Avenue** are used to control displayed media. The Rialto only provides projection for cinema events.



### *Cinema*

A projection booth at the upper rear of the house is equipped with an **NEC NC900C-A** DCI-compliant digital cinema system. Throw is 75' to the 12' x 24' motorized **Da-lite** cinema screen which lands just upstage of the grand drape.



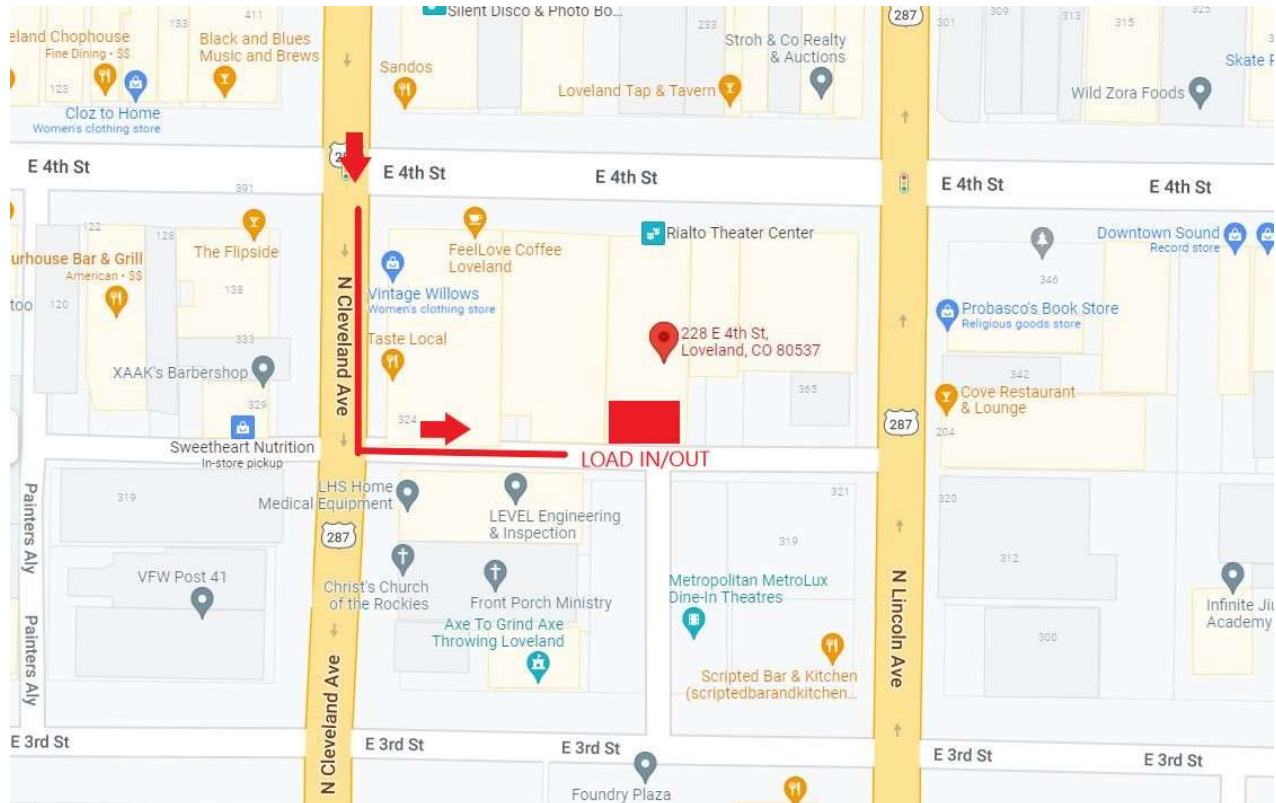
## Additional Technical Information

Contact **Phil Baugh, Technical Coordinator – Audio** at 970-962-2123 or email

[Phil.Baugh@cityofloveland.org](mailto:Phil.Baugh@cityofloveland.org) for additional information.

Contact **Dan Minzer, Technical Coordinator – Lighting**, at [Dan.Minzer@cityofloveland.org](mailto:Dan.Minzer@cityofloveland.org) for requests for the repertory light plot and channel hookup.

## Map to Stage Door and Loading Door



### From the North:

Take US Highway 287 South into Downtown Loveland. (The Southbound one way is Cleveland Ave.) Immediately past 4<sup>th</sup> Street, turn left into Backstage Alley. The Rialto is halfway down the alley, on the lefthand side. Please pull off to the right to allow traffic to maneuver through the alley whenever possible.

### From the South:

Take US Highway 287 North into Downton Loveland. (The Northbound one way is Lincoln Ave.) Turn left onto 4<sup>th</sup> Street, then left again at the next intersection onto Cleveland Ave. Stay to the left and immediately turn left into Backstage Alley. The Rialto is halfway down the alley, on the lefthand side. Please pull off to the right to allow traffic to maneuver through the alley whenever possible.