



**COLORADO CONVENTION CENTER  
BELLCO THEATRE  
TECHNICAL SPECIFICATIONS  
REVISED AS OF 3/20/2025**

**BELLCO SQUARE FOOTAGE**

39,626 sq. ft.

**LOADING DOCK (LOWER LEVEL DOCKS D & E)**

Two end-load bays; one also has side loading capability  
Distance from stage is approximately 100' (level, concrete surface)

**PERMANENT STAGE DIMENSIONS**

Width	100'
Depth	48'10"
Height	34'6" (to low steel, attachment is at 41'3")

**STAGING (THRUST)**

20 - 6'x8'x36" (stage level) risers available for thrust

**MEASUREMENTS AT THE PROSCENIUM**

Grand Teaser Opening	76' 0"
Stage floor to bottom of Grand Teaser	25' 0"
Stage floor to proscenium arch	32' 6"
Stage floor to bottom of tension grid	34'7"
Stage lip/plaster line to FOH	125'

**DRAPES AND MASKING**

**INCLUDED WITH RENTAL OF SPACE**

Front Curtain, Gray Motorized (Control is DSL)  
Front Teaser, Gray  
Mid-Stage Traveler, Black  
4 Sets of Legs, Black  
4 Borders, Black

**ADDITIONAL SOFT GOODS**

1 - FOH Upper Level Curtain, Black (Fixed position, cuts house down to approx. 3,700)

**AIRWALLS**

2 - Air walls (Fixed position; cuts house down to approx. section 1 – 1291, section 2 – 2424, section 3 – 1290)

## **RIGGING**

### **TROLLEY BEAMS**

FOUR POINTS SPACED OVER THE STAGE  
4000 POUND POINT LOAD OR 500 POUNDS PSF UNIFORM LOAD

### **ROOF TRUSSES**

MAXIMUM OF SEVEN 3000 POUND POINT LOADS AT DEFINED HANGING POINT LOCATIONS ON GRIDIRON

MAXIMUM OF THREE 1000 POUND POINT LOADS LOCATED AS FOLLOWS:

- A. 3'- 0" FROM TRUSS PANEL POINT
- B. SPACED AT 15'- 0" ON CENTER (MINIMUM DISTANCE).

### **ROOF BEAMS**

MAXIMUM OF ONE POINT LOAD PER BEAM MEETING THE FOLLOWING:

- A. 300 POUND POINT LOAD (MAX) AT ANY LOCATION ALONG BEAM
- B. 500 POUND POINT LOAD (MAX) LOCATED WITHIN 5'- 0" FROM END OF THE BEAM

### **W18 BEAMS**

EACH W18 CAN SUPPORT ANY ONE OF THE FOLLOWING LOAD COMBINATIONS:

- A. 50 PSF
- B. 1000 POUND POINT LOADS SPACED AT 5'- 0" ON CENTER (MIN)
- C. A SINGLE 5000 POUND POINT LOAD ON BEAM

### **W10 IN-FILL BEAMS**

EACH W10 CAN SUPPORT ANY ONE OF THE FOLLOWING LOAD COMBINATIONS:

- A. 50 PSF
- B. A SINGLE 1000 POUND POINT LOAD ON BEAM

**"...Point loads of 1000 lbs or less suspended from the major roof beams are acceptable. As a guide, assume W24s can support 1000lbs, W18s can support 750lbs, W16s can support 500lbs; these loads can be placed at each end or one in the middle. The trusses can support 2000lbs from panel points."**

### **TRUSS**

33 - Thomas 20 ½" HD Triangle in 10' Sections (joins with pins)

### **CHAIN HOISTS**

All 50' motor cable:

4 - 1 Ton (440v) Usable only over the tension grid area.

Control is part of infrastructure – Power distribution/cabling and control for GSC/Vendor/Client provided hoists not provided.

Check with Technical Services Manager/Lead for availability and/or options.

## **LIGHTING**

### **LAMP FIXTURES**

130 - ETC Source 4 19° 750W Ellipsoidal  
45 - ETC Source 4 10° 750W Ellipsoidal  
10 - ETC Source 4 5° 750W Ellipsoidal  
24 - ETC Source 4 750W Parnell  
26 - Altman 1000W MFL Par 64 Cans  
22 - Chroma Q Color Force 72 RGBA LED Strip Lights  
10 - Color Source Pars  
24 - ETC LUSTR Color Changing LED  
The house has a pre-focused front/top wash available.

### **LAMP ACCESSORIES**

16 - 'A' pattern holders  
5 - 'B' pattern holders  
\*All gel, color correction, diffusion or accessories to be provided by GSC/Vendor/Client

### **DIMMERS**

ETC Sensor Dimmers (480 Dimmers, 30 Non-Dims)

### **LIGHTING CONTROL**

1 - Grand MA-2/Full  
1 - ETC ION XE (W/ 2x20 Fader Wing)

### **FOLLOW SPOTS**

6 - Canto Aurora X1 LED Followspot  
Located in ceiling/booth approx. 120' from front center stage  
Movable from center to varying positions, out to approx. 60 degrees left or right

## AUDIO

### REINFORCEMENT

#### For Talking Head Scenario

L'-ACOUSTICS LINE ARRAY; Two arrays S/R and S/L, total equipment consisting of:  
12 dv-DOSC Loudspeakers, 2 SB28 Subwoofers, 4 8XT Speakers

#### For Dynamic Presentation/Entertainment

L'-ACOUSTICS LINE ARRAY; Two arrays S/R and S/L. Total equipment consisting of:  
24 dv-DOSC Loudspeakers, 6 dv-SUB Subwoofers, 4 SB28 Subwoofers, 8 8XT Speakers, 4 ARCS II Speakers, 8 LA8 Integrated Amplifier/Controllers, 1 Midas XL88 Matrix Mixer

#### Additional Speakers

6 - L-Acoustics 112P Self-powered Coaxial Speakers (stage monitors)

*NOTE: You will need to provide your own "personal monitors" (i.e., video village monitors)*

Please note that our line array is not suitable for concerts. The system comfortably hits 100 db

### AUDIO CONTROL

1 - Yamaha CL5 with Dugan-My16 Auto Mixing Controller Card

### WIRELESS MICS

- 12 - Channels of Shure ULX4D (Frequency Band G50 - 470-534MHz)
  - 12 – Handheld Transmitters
  - 12 – Belt Pack Transmitters
  - 12 – SM58 Capsules (Standard on our handheld transmitters)
  - 10 – Beta 87A Capsules (By request for handheld transmitters)
  - 12 – Shure WL184 Super Cardioid Lavalier microphones
  - 12 – Shure WL 185 Cardioid Lavalier microphones
- 3 - Countryman E6 Flex Directional Ear Sets

### WIRED MICS

- 9 - Countryman Isomax 4RF Hyper Cardioid 18" gooseneck
- 2 - DPA 4081 Miniature Cardioid
- 8 - AKG-CK47 Mic Capsules (with HM1000 hanging modules)
- 16 - Shure SM58-LC
- 7 - Shure SM81-LC
- 8 – Shure Beta 57A
- 2 – Shure 565SD Switch microphones
- 1 – Audix i5 Microphone
- 2 – Audix d2 Microphones
- 1 – Audix D4 Microphones
- 1 – Audix D6 Microphone
- 1 – Audix SCX25A Microphone
- 5 – Audix SCX1HC Microphone
- 4 – Audix Shure Beta 98H Microphone

## **INTERCOM**

- 1 - Riedel Wireless Com System (antennas/licensing/interface for wired com)
  - 5 - Riedel Wireless Belt Packs
  - 1 - Clear-Com 2-Channel (A **or** B) Hardwired
  - 15 - Belt Packs (Single Channel)
  - 15 - Head Sets
- Plug-in Locations: DSL, DSR, USL, USR, Spot Booth, FOH Control Position,  
3 in Audience, Green Room

## **MISCELLANEOUS AUDIO**

- 2 - CD Players
- 24 - Assistive Listening Devices
- 1 - Press Feed Multibox
- 10 - Shure CVD-B Desktop Base

## VIDEO

### SCREENS (fixed positions)

2- 15' high X 20' wide

One on each proscenium wall near stage (2 total)

Approximately in line with the cross aisle

### VIDEO FEED

Flat screens are located in green room and all dressing rooms. A HDSDI output is required to run video to back of house.

*NOTE: You will need to provide your own "personal monitors" (i.e., video village monitors)*

## **TEMPORARY POWER/COMPANY SWITCHES**

**NOTE: Provide male Cam-Loc connectors at each panel for all 5 legs.**

<b>SW #</b>	<b>Location</b>	<b>Voltage</b>	<b>Amp</b>	<b>Phase</b>	<b>Wire</b>
1	On Dock Side of USR Rolldoor - Stage level	208	400	3	5
2	On Dock Side of USR Rolldoor - Stage level	208	400	3	5
3	On Dock Side of USR Rolldoor - Stage level	208	400	3	5
4	On Dock Side of USR Rolldoor - Stage level	208	225	3	5
5	USL - Stage level	208	400	3	5
6	USL - Stage level	208	225	3	5
7	On Dock Side of SR Access Door - Grid level	208	400	3	5
8	On Dock Side of SR Access Door - Grid level	208	400	3	5
9	DSR at Catwalk #1 - Grid level	208	225	3	5
10	FOH above Door #5	208	400	3	5

## **POWER DISTRIBUTION**

1 - MLI 200A BUSS with the following outlets:  
6 x L6-30, 3 x L14-30, 6 x Standard convenience outlets

## **SHOREPOWER**

### **FOR BUS/MOTOR COACH**

Capacity to service three busses/motor coaches with 50amp 120/208v 1p each  
NEMA 9450, standard 4pin straight blade that matches busses/motor coaches

## **LIFTS/MECHANIZED EQUIPMENT**

Please ask for availability:  
Electric Scissor Lift  
30' Genie Lift  
24' Genie Lift  
Forklift  
Pallet Jack

## **MISCELLANEOUS EQUIPMENT**

3 - Tapered Brown Lecterns  
1 - 6' Kimball Grand Piano  
1 - Baldwin Upright Piano  
6 - Sections of 5'x7' scaffolding  
20 - Cable Ramps  
4 - Fire Extinguishers  
3 - Smoke Detectors  
4 - US Flags  
3 - Colorado Flags  
2 - Denver Flags