BRISTOL RIVERSIDE THEATRE TECHNICAL SPECIFICATIONS
(AS OF MARCH 2020)

• 120 Radcliffe Street, Bristol, PA 19007 • 215.785.6664 • Brtstage.org •

Bristol Riverside Theatre (BRT) is a professional regional theatre in the historic district of Bristol Borough. The theatre, located in a renovated movie house, combines the excitement of a large stage with the intimacy of a 300-seat theater. Since 1986, BRT has brought consistently acclaimed professional theater to Bucks County and maintained a long-term commitment to finding and developing new plays. The theatre has grown to produce over 200 performances every year, including five Mainstage productions, special presented events, a summer music fest series, a play reading series, a Christmas concert, and a summer camp every year. BRT has produced 140 works, premiered 23 plays and musicals, and developed international touring and producing relationships.

For more information about the venue, please contact:  
Production Manager, Andrew Deppen  
215.785.6664 x110  
andrewd@brtstage.org

SECTION VIEW
**SEATING**

BRT has a standard proscenium style seating arrangement. The seating configuration consists of an orchestra level that seats 220 patrons. (4 ADA compliant) The venue also features a balcony level which seats an additional 86 patrons. Total seating available is 306. (Photos above)

**STAGE DIMENSIONS** **This is not a fly house**

Height: Deck to fixed grid 24'-0”
Depth: DS to US wall 36'-0”
Wide: Proscenium opening 30'-0”
Right Wing: 21'-0”X 15'-6”
Left Wing: 3'-10” X 19'-0”
US Crossover: 5'-0”

**DRESSING ROOM & GREEN ROOM**

*Women’s Dressing room*

Dressing rooms are located downstairs one level below the stage deck. The women’s dressing room consists of 8 stations including mirrors, lights and electrical outlets at each station. Also located inside the dressing room is a private lady’s restroom and shower. Costume racks and wig forms are also provided within. (Photo below)

*Men’s Dressing room*

Dressing rooms are located downstairs one level below the stage deck. The men’s dressing room consists of 8 stations including mirrors, lights and electrical outlets at each station. Also located inside the dressing room is a private men’s restroom and shower. Costume racks and wig forms are also provided within.

*Laundry*

A fully stocked laundry area is located just outside the dressing rooms where costumes can be cleaned and/or repaired. Irons, ironing boards and a steamer is also located in this area.

*Greenroom*

The separate Greenroom is located just outside of the dressing rooms. It includes a dining area where coffee and tea and refreshments are served. Hot meals can be provided and served in this location. A full-size refrigerator is also located in this area for food and drinks. Several sofas and chairs are also located in the greenroom for relaxation. The stage door to the venue is in the greenroom from the park on the riverside of the building. (Pictured above) Access from outside brings you directly into the greenroom and dressing room area of the venue.

**PARKING**
A free parking lot is located adjacent to the venue.

**For tour bus parking please contact the Production Manager**

**COMMUNICATION SYSTEM**

Type: ClearCom Party Line system (2 Channel hard wired)

Base Station: ClearCom CS 702 Two Channel Main Station

Belt packs: (8) ClearCom Model RS 701 (Single channel)

Headsets: (4) Telex PH-88 Featherweight
(4) Telex RTS MH-300 Lightweight

Plug-ins: Main Control Booth; Sound Booth; Mix position; SL and SR Deck; FOH, SL, SR, and USC catwalk; Trap Room

Wall Stations: Green Room; Dressing Rooms, Box Office and Theater Offices’

**Offstage Paging and Monitoring System**

Locations: Green Room and Dressing Rooms (via 70v QSC ceiling mounts)
Offices/Box Office/Green & Dressing rooms (via ClearCom WS501 Wall stations)

Feeds: Stage Monitor feed from Shure SM58 at DSC behind Center Cluster (constant on)
Other Direct Feeds available upon request

Control: Soundcraft 16 Channel mixing console (located in main amp rack) QSC amplifier set up for 70v operation

**Video Monitoring System**

Cameras: (2) Day/Night monitor cameras (stage and Balcony Rail mountings)

Monitors: (2) 12” CRT color display
(1) 21” CRT color display
(1) 32” Flat Panel display (permanent Balcony rail mount)
(2) 65” Flat screen monitors

Cabling: BNC from booth to backstage and Balcony Rail

**SOUND**

Location: Rear of Orchestra Seating, Stage Right/House Left corner

Console: Yamaha CL5,
(4) Yamaha SWP-1 Network switches – (2 Primary, 2 Secondary)
(1) Yamaha Rio 3224 I/O Devices
(1) Yamaha Rio 1608 I/O Devices

EQ/Processing:
Yamaha Onboard Dynamics and EQ
DBX Drive Rack PA + (Main EAW cluster & subs)
T.C. Electronics M-one XL effects processor EAW Crossover

**Playback/Recording:**

Hardware: Apple - Mac Pro Desktop Computer
6-Core Intel® Xeon® Processor - 16GB Memory - 256GB Flash Storage - Black
M-Audio ProFire 610 firewire box

Software: Qlab v.4 Pro Bundle license
**FOH Reinforcement System**

- **Center Cluster:** (2) EAW MH-660 bi-amp, hi/mid cabinets
- **L/R:** (2) Turbosound TXD-121
- **Subs:** (2) EAW SB-250 dual 18"
- **Front Fill:** (2) JBL Control 1’s (as set design permits) (available for other purposes)
- **Balcony Fill:** (4) Turbosound TXD-081
- **Under Balcony:** (2) M-Audio BX5 D2 Active Studio Monitors w/ hanging mounts.
- **Balcony Fill:** (4) QSC RMX 850
- **Proscenium:** (2) QSC K12

**Amplification:**

- QSC PLX 1602 (high)
- QSC PLX 2502 (mid)
- QSC PLX 3402 (subs)
- QSC RMX 1450 (Turbo side fills)
- QSC RMX 850 (front fills)

**Monitor Fold Back**

- **Speakers:** (8) QSC K-10 active 1kw speakers w/mounting hardware (4 yolks)
- (3) Instrumental hotspots (passive) Amplification:
  - (2) QSC RMX 850
  - (2) Micca COVO-S Compact 2-Way Bookshelf Speakers

**Microphones:**

- **Wired:**
  - (2) Shure SM58 Dynamic
  - (6) Shure SM57 Dynamic
  - (1) Shure Beta 52A Dynamic
  - (2) Samson Q7 Dynamic
  - (2) Electro Voice RE10 Dynamic
  - (4) AKG Perception 170 Condenser
  - (1) Shure PG48 (dedicated for backstage paging)
  - (1) Radio Shack 33-3001 Dynamic (backstage paging mic backup)
  - (1) Shure SM58 (dedicated for offstage monitor)
  - (6) Passive Direct boxes w/ ground lifts and 20db pad (2)
  - (4) DPA 4099 Condenser
  - (2) Shure Beta 98AD/C Clip-on Condenser Microphone

- **Wireless:**
  - (12) Audio Technica 3000 series Receivers 655-680 MHz
  - (10) Belt packs
  - (4) ATW-300 series Dynamic handhelds
  - (2) ATW-300 series Condenser handhelds
  - (6) Sennheiser MKE2 Gold Series Lavalier Condenser Mics (tan)
  - (1) Sennheiser MKE2 Gold Series Lavalier Condenser Mics (black)
  - (10) Countryman B3 lavalieres (tan)
  - (2) Countryman B3 lavalieres (cocoa)
  - (4) AT899c-TH Omnidirectional condenser lavalieres (beige)
  - (10) AT898cW Cardioid condenser lavalieres (black)
  - (2) Antenna distribution system
(1) Sennheiser G3 IEM with 2 receiver packs (1 channel)

**Wiring**

Snakes:
1. S-1608 16 x 8 mic in/out box (located at Sound Booth)
2. S-0808 I/O Unit 8 x 8 mic in/out box
3. S-0808 I/O Unit REAC Merge Unit
4. 20 send x 4 return (XLR) snake from back SR to Sound Booth
5. 6ch send (XLR) snake from SR catwalk to Amp Rack

Speaker runs:
- Dedicated runs for FOH
  1. Runs to SR catwalk (will be terminated to NL2)
  2. Runs to SL catwalk (will be terminated to NL2)

Cables:
- Enough XLR, instrument, CAT 5 and speaker cable for most applications.

**Accessories**

Stands:
1. Strait
2. Booms
3. Claw drum mounts
4. Short boom

**Miscellaneous:**

- Tele-Q (single button) 100’ CAT 3 phone cable
- Drum Shield: 1. 6’ tall, 6 panel folding plexiglass shield
  2. 4’ tall, 5 panel folding plexiglass shield

**PROJECTION & VIDEO RECORDING**

Hardware:
1. Sanyo PLC-XF42 9K lumens
2. Sanyo LNS-S01 zoom lens 1.8-2.9:1
3. Cat5e to VGA Balun

Dowsing:
1. City Theatrical DMX Projector Douser

Camera:
1. JVC GY-HM200u 4K Cam

Accessories:
1. SDI 4-Channel Switcher
2. SDI 2-Channel Splitter
3. Black Magic Mini Recorder Device

Cabling:
1. VGA (enough for most FOH locations)
2. SDI (BNC terminated) (enough for most applications)

Adapters:
1. USB3 to VGA
2. Assortments of Apple adapters necessary for most applications

**LIGHTING**

Ellipsoidal Fixtures
1. ETC Source 4: 122 Total Units (body)
2. ETC Source 4 Lens Tube:
   1. 10° Lens Tube
(20) 19° Lens Tube  
(50) 26° Lens Tubes  
(42) 36° Lens Lubes  
(21) 50° Lens Tubes  

ETC Source 4 Jr: (4) Total Units (body)  
ETC Source 4 Jr. Lens Tube:  
(3) 26° Lens Tube  
(1) 36° Lens Tube

Altman Ellipsoidal:  
(82) Altman 360Q  
(23) Altman 6x9  
(44) Altman 6x12  
(6) Altman 6x16

Par Can Fixtures:  
ETC Source 4 Par (30) Total Units  
ETC Source 4 Par Lens:  
(30) VNSP  
(30) NSP  
(30) MFL  
(30) WFL  

Generic Par 64: (19) Total Units  
Generic par 64 Lens:  
(13) VNSP  
(16) NSP  
(19) MFL  
(13) WFL

Fresnel Fixtures:  
(5) 6” Altman Fresnel 65Q  
(19) 6” Altman Fresnel 1KAF

Strip Light Fixtures:  
(8) 40° Altman 6’ MR-16 Ministrips  
(10) Generic 6’ R40 strip lights

Pin spot & Birdie Fixtures:  
(28) Generic Pin spot, NSP  
(8) Generic Birdies

Intelligent Fixtures:  
(40) Elation Pixel Bar 40  
(4) Pixel Net 4  
(12) Gele LED-1035xy Zoom (600w moving head wash units)

**SOFT GOODS**  
Legs:  
(4) 24’-0 X 8’-0”, Black Velour  
(4) 24’-0 X 6’-0”, Black Velour
Tab Legs:  
(4) 17'-3" X 8'-0", Black Velour  
(2) 17'-3" X 6'-0", Black Velour  
(4) 17'-3" X 4'-0", Black Velour

Borders:  
(2) 8'-0" X 38'-0", Black Velour  
(2) 6'-0" X 38'-0", Black Velour  
(3) 3'-6" X 38'-0", Black Duvetyn

Full Stage:  
(1) 23'-0" X 38'-0", Black Velour in two pieces

Other:  
(1) 22'-0" X 38'-0", Fiberoptic Star Drop in two pieces, Black Duvetyn  
(1) 24'-0" X 38'-0", Sharkstooth Scrim, Black  
(1) 24'-0" X 38'-0" Seamless Cyc, Bleached Muslin  
(1) 24'-0" X 38'-0" Seamed Bounce, Bleached Muslin

Roll Drop:  
Actual roll drum is 30’ long, with motorized variable speed control  
(1) 22'-0" X 28'-0" Seamless Cyc, Bleached Muslin  
(1) 24'-0" X 29'-0" Blackout drop, Black Duvetyn  
(1) 24'-0" X 29'-0" Sharkstooth Scrim, Black

Main Rag:  
(1) 22'-0" X 34'-0" Cabinet (RED), 15 oz Encore fabric in two pieces with 14” antique gold bullion fringe. Manually operated pull line.

Side Stage Legs:  
(2) 15'-0" X 11”-0” Cabinet (RED), 15 oz Encore fabric (side stage drapes)

Swags:  
(2) 3’-4.25” x 8’-0” Cabinet (RED), 15 oz Encore fabric swag with 6” antique gold bullion fringe  
(2) 3’-4.25” x 4’-0” Cabinet (RED), 15 oz Encore fabric swag with 6” antique gold bullion fringe  
(2) 5’-3” X 6’-0” Cabinet (RED), 15 oz Encore fabric swag with 6” antique gold bullion fringe  
(2) 3’-4.25” x 10’-5” Cabinet (RED), 15 oz Encore fabric swag with 6” antique gold bullion fringe  
(1) 3’4.25 X 5’-8” Cabinet (RED), 15 oz Encore fabric swag with 6” antique gold bullion fringe