

B Street Theatre – Theatre Technical Specifications

Main Theater - Proscenium

Audio/Video

Audio Mix Position

- Console can be operated from the control booth 66 feet from stage edge, house left at the back of the audience 59 feet from stage edge or at centerline in the audience crossover aisle 31 feet from the stage edge (via the dante network).

Mixing Console

- Yamaha QL5 with (2) portable RIO 1608-D stage boxes

Wireless Microphones

- Two channels of Shure ULXD wireless.

Audio Processing

- Biamp Tesira Server & Meyer Sound Galaxy

Loudspeakers

Main System

- The primary L/R system consists of (2) Meyer Sound Self Powered Loudspeaker UPQ-1P cabinets per side, with a Meyer Sound Self Powered Loudspeaker UP-4XP used as a down-fill
- The center upper self-powered loudspeaker consists of (2) Meyer Sound Self Powered Loudspeaker UPQ-1P.
- The center lower self-powered loudspeaker consists of (2) Meyer Sound Self Powered Loudspeaker UPJ-1P.
- The subwoofer loudspeakers consist of (2) Meyer Sound 900LFC.
- The front fill loudspeakers consist of (4) Meyer Sound Self Powered UP-4XP.
- The side fill loudspeakers consist of (2) Meyer Sound Self Powered UP-4XP.
- The surround / effects loudspeakers consist of (12) Meyer Sound Self Powered HMS-10.

Monitor System

- TBD – loose equipment in FF&E package

Production Intercom & BOH Program/Paging

- Four channel wired Clear-Com system with patch points throughout the theatre.
- Theatre show audio program speakers in back-of-house with paging. The show program speaker system is fed directly from the mixing console or from a microphone mounted in the house.

Audio Equipment Inventory

- TBD – loose equipment in FF&E package

AV Company Switch

- (1) 100 amp 3 phase switch is located on the stage right wall.

Production Lighting

Lighting Control

- System is an all relay system, no installed dimmers. Multiple LED lights can be connected to each circuit and controlled by DMX control system. Portable dimmer can be plugged into the relay power outlets and controlled via the DMX system for incandescent lights.
- Lighting Control console is ETC Ion Xe.
- Lighting Control Console is typically located in the control booth, 66 feet from the front of the stage. Control booth floor level is 13'-0" above the stage level. Control console can also connect to any of the network connections throughout the theatre.
- ETC Paradigm control system with button stations for house and work lighting control.

Lighting Inventory

- Contact Production Management at the Sofia for a current equipment listing.

Lighting positions and relay circuits

- Trap space has 2 circuits.
- Forestage entrance right and left each has 1 circuit.
- Stage walls total of 8 circuits.
- Rear wall of the audience has 2 circuits.
- Box boom house side lighting positions right and left each have 2 circuits.
- Apron slots house right and left each have 2 circuits.
- Catwalk #1 has 8 circuits.
- Catwalk #2 has 8 circuits.
- Catwalk #3 has 6 circuits.
- Catwalk #4 has 10 circuits.
- Catwalk #5 has 8 circuits.
- Catwalk #6 has 10 circuits.
- DMX outlets at all lighting positions

Production Lighting Company Switch

- 400 amp 3 phase switch is located on the stage right wall.

Stage Floor and Traps

- Stage floor around the trapped area - two layers of 3/4" plywood on 2x4 sleepers, top layer is 1/4" hardboard.
- Stage floor has 30 - 4' x 8' trap platforms.
- Trap platforms are honeycomb platforms with one layer of 3/4" plywood, top layer is 1/4" hardboard.
- Trap platforms are supported on removable columns with cross bracing.
- Trap area is 24 feet from plaster line and 20 feet on both sides of centerline.
- Stage floor to trap room floor is 10'-0".

Rigging

Fly System

- The fly system is a single purchase counterweight system between fixed catwalks.
- The locking rail is located stage left @ 31'-0" from centerline stage left.
- Catwalk height is 21'-6" above stage floor.
- Headblocks are mounted upright on top of the headblock beams 34'-7" above the stage floor
- Loftblocks are underhung, bottom of loftblock beam is at 36'-7" above stage floor
- Batten out trim is 33'-4".
- Batten in trim is 4'-0".
- Batten length is 50"-0"
- Lineset travel is 29'-4"
- Batten is 1-1/2" sch 40 pipe 1.9" outside diameter.
- Each batten has six 1/4" wire rope lift lines
- There are 13 linesets.
- All operating lines are 3/4" rope.
- Linesets have a 1500 lb. live load capacity.
- Lineset schedule below.

B Street - Main Theater Lineset Schedule		
Set number	From PL	Use
	6"	Main Drape track attached to catwalk (does not fly)
1	2'-5"	
2	3'-2"	
3	3'-11"	
4	12'-8"	
5	13'-5"	
6	14'-2"	
7	23'-8"	
8	24'-5"	
9	25'-2"	
10	33'-2"	
11	33'-11"	
12	34'-8"	Traveler track
13	35'-3"	Cyc

Masking Drapery

- TBD

Stage Dimensions

- Proscenium opening is 44'-0" wide x 18'-0" high
- Adjustable proscenium reducer panels track in to make the proscenium 36'-0" wide.
- Stage depth from the plaster line is 35'-10"
- Forestage depth at centerline from plaster line is 6'-8"
- Centerline to stage right wall is 34'-0"
- Centerline to lock rail on stage left wall is 31'-0"

- Rough square footage of stage plus wing space is 2300 square feet.
- Audience floor to stage floor is 3'-0"
- Stage floor to underside of rigging beams is 36'-7"
- Plaster line to furthestmost upstage line-set is 35'-3"
- Traproom floor -10'-0"

Loading

- Grade Level loading area alley access
- Building exterior door is 16' wide x 10' tall
- Mainstage door is 10' wide x 10' tall