



TECHNICAL SPECIFICATIONS

LIVERMORE VALLEY PERFORMING ARTS CENTER

BANKHEAD THEATER

2400 First Street, Livermore, California 94550

925-373-6800

The Performing Arts Center's 507-seat Bankhead Theater, which opened on October 1, 2007, serves as the home for nine of the area's finest performing arts organizations. In addition, the theater presents artists from across the United States and around the world.

The Bankhead Theater is located approximately 35 miles south-east of Oakland, 34 miles north-east of San Jose, and 90 miles south-west of Sacramento; from I-580 take the North Livermore exit south towards Downtown Livermore. We are located between First Street, Railroad Avenue and South Livermore Avenue; at the Livermore Valley Center in Downtown Livermore.

Stage Specifications

Stage Floor

Painted Black Masonite; ¼" Duron on 2 layers ¾" plywood; on 2"x4" sleepers 24" off-center; on Mason SW waffle pads 4"x4"x3/4" spaced 24" off center.

Stage Dimensions

- A. **Proscenium Line to Back Wall**
41'-6" (39'-4" to I-Beams)
- B. **Apron Edge to Back Wall** 46'-7"
- C. **Thrust to Back Wall** 56'-8"
- D. **Thrust Dimension (Curved)**
54'-4" Wide x 10'-1" Deep (center stage);
4'-1" (offstage)
Note: The Thrust has two fixed positions:
Stage Level and Pit Level. Pit Cover is
moved manually.
- E. **Stage Width from SR Wall to Locking Rail**
78'-4"
- F. **Proscenium Opening**
48'-3" Wide x 19'-11" Tall
- G. **Curtain Line to Apron** 6'-1"
- H. **Curtain Line to DS Thrust Edge** 16'-2"
- I. **Curtain Line to Back Wall** 40'-6"
- J. **Prosc. Dist. to Last Lineset** 35'-6"
- K. **Stage Right Wing** 17'-8"
- L. **Stage Left Wing** 12'-5"
- M. **Center Line to Stage Rt Wall** 42'-0"
- N. **Center Line to Stage Left Rail** 37'-0"
- O. **Height from Stage Floor to Grid** 49'-3"
- P. **House Floor to Stage** 3'-0"
- Q. **Orchestra Pit Dimensions**
12'-9" Deep (at center) 5'-2" (at SL/SR) x
54'-3" Wide
- R. **Stage Floor to Pit Floor** 8'-10"
- S. **Stage Floor to Pit Deck** 7'-5"
- T. **Stage Trap**
21'-0" Wide x 6'-0" Deep; located 8'-4"
upstage of proscenium

FOH Throw Distances

Catwalk Dimensions Measured from Light Pipe

Catwalk 1

- A. **To Curtain Line – Horizontal** 16'-3"
- B. **To Stage Floor – Vertical** 31'-1"
- C. **To Curtain Line – Throw** 35'-2"

Catwalk 2

- A. **To Curtain Line – Horizontal** 30'-9"
- B. **To Curtain Line – Throw** 43'-3"
- C. **To Stage Floor – Vertical** 31'-1"

Control Booth (Measured from Window)

- A. **To Thrust Lip** 58'-9"
- B. **To Proscenium** 69'-11"
- C. **To Projection Screen** 76'-6"
- D. **To Cyc** 107'-9"

Projection Screen

Motorized Front Projection Screen; 20'-0" Wide x 20'-0" (variable height). Located on Lineset #5

Stage Equipment

- Dance Floor** 6 Rolls
1 Roll: (6'6" Deep x 48'-0" Wide)
5 Rolls: (6'-6" Deep x 52'-0" Wide)
Harlequin Reversible (Black/Gray)
- Music Stands** 60
Wenger Music Stand
- Music Stand Lights** 60
Wenger 40W Clip Light
- Musician Chairs** 71
Wenger Musician Chair
- Stage Risers** 8
4'x8' Wenger Versalite
Interchangeable legs available: 8", 16",
and telescoping 24"- 32"
- Choir Risers** 5
Three step units; Wenger Signature
- Conductor Podium** 1
Two-step; Wenger Overview
- Grand Piano** 1
Steinway & Sons, Model D, 9 ft
- Upright Piano** 1
Yamaha U1 – 4'Hx5'Wx2'D
- Orchestra Shell** 1
(8) 3-wall sections with 2 ceilings; Wenger Diva
Series
- Lecterns** 2
(1) 42" Da-Lite Lexington Presentation Lectern
(1) Da-Lite Euro Deluxe Lectern
- Tables**
Contact theater management for availability

Sound System

Mains:

Left & Right Meyer CQ-1 (1 per side)
Center Meyer UPA-1P (1 at center)
Front Fill Meyer MM-4 (10 installed at edge of stage)
Subwoofer Meyer 600HP (2 Placed on Deck)

Processing

Audia-FLEX Digital Signal Processor

Sound Board Yamaha M7CL-48

Located in control room with sliding glass windows w/iPad Remote

Booth Monitors

(2) Genelec 8020A

Remote Mic Pre's

32ch's of mic pre's

4 – AD8HR 8ch

Inputs from the 32 ch. mic pre's are patched via Slot 1 and Slot 2 on the Console

Monitors

4 Mixes – L-Acoustic

5 - L-Acoustic 12xt

(12" Woofer Bi Amped)

2 – LA4 Amplifiers

2 – Meyer UPM-2P Used as Side Fill Speakers

2 – JBL Eon 15" Woofer

6 – Yamaha DXR12 – 12" Woofer

1 – Yamaha DXS15 – 15" Sub

Microphones

58's

57's

12 – Shure ULXD Wireless Handheld & Belt Packs

Please contact Production Manager for Microphone inventory.

Playback

Denon DN-T625 CD/Cassette Player

Tascam CD-RW901 CD Player/Recorder

Assisted Listening

Listen LT800-072 Assistive Listening System

Listen LR-300-72 ALC Receivers

LA-166 "T" coil Neck Loop attachments available.

Clear Com

RCS-2000 Intercom

MS-440 4ch Stage Manager Station

RS-601 & 701 Single Chanel Belt Pack RS-602 & 702 Dual Chanel Belt Pack

Wireless Intercom

HME DX210 System (4) Belt packs

Sound Pressure Levels: Management requires that sound pressure be kept within safe levels for both our audience and crew. If the peak sound pressure levels at the closest audience or crew member exceed 95 dB (A-Weighted) or 100 dB (C-Weighted), the audio engineer will be required to lower the volume. Bankhead staff will have the final approval over sound volume.

Lighting System

Console

ETC Ion 1000 With a 2x20 Fader wing attached.

w/iPad Remote

Dimmers

192 Strand Dimmers @ 2.4k

(10) Dual Relay (Constant Power) Modules

Electrics

House Trim Height 23'

Lighting Instruments

ETC Source 4 10°, 19°, 26°, 36°, 50° and Pars.

WFL, MFL, NSP & VNSP Lenses

Available

ETC Colorsource PARS & Series 2 Lustr LED

Instruments

Please contact Production Manager for updated Light Plot and Inventory

Cyc Lights

7 – ETC Series 2 Lustr LED w/Cyc Adaptors – Overhead

7 – ETC Series 2 Lustr LED w/Cyc Adaptors – Ground

Row

Followspots

2 Strong Radiance Systems..... 850w

75'-9" Throw distance to curtain line

Circuits (Stage Pin)

See light plot for circuit locations

Company Switch/Auxiliary Power

Located at stage right wall

400 amp

3-phase Camlock (G/N turn-around required)

100 amp

3-phase Camlock (G/N turn-around required)

Miscellaneous

Barn Doors, Top Hats, Pattern Holders, Two-Fers, (24)

Side Arms

All Connectors are Stage Pin 20A/120v

12' Pipe and Base (8)

Assorted cable 5'-100'

***Contact Production Department for current inventory numbers, light plot, and stage diagrams.**

Loading Dock

Dock Location Dock is located off Railroad Avenue on the North side of building.

Address to Loading Dock for GPS
2309 Railroad Avenue
Livermore, CA. 94550

*Loading Dock Facilitates One Truck at a Time;
17'-6" Wide x 71'-9" Long (South Side)/ 39'- 10" Long
(North Side)*

Dock Height.....4'-3"

Dock Door Dimensions..... 12' Wide x 9'-11" Tall

Location from Stage

Upstage Right at Stage Level

Distance from Dock to Stage.....25'

There are two 90°left turns upon entering through dock door; opening in one area measures 9'-5" Wide x 10'-2" Tall

Stage Right Shop Doors

Opening is 11'-6 3/4" Wide x 17'-3 1/2" Tall

Shore Power.....50 Amp NEMA 14-50R

Counterweight System

Located Stage Left

Single Purchase

Operated from Deck

Under-hung counterweight rigging system; manually operated; Electric 1 motorized Single-pipe general purpose battens, double-pipe dedicated first electric batten and dedicated orchestra ceilings.

Typical Batten is 64' - 0" Long, 1-1/2" nom. Schedule 40 painted steel pipe with 7 lift lines, 8" diameter loft blocks, 6 feet telescoping extensions each end, approximately 1000 lbs. live load capacity.

Distance is from centerline of batten to face of proscenium wall. Difference is center/center distance. Dedicated battens do not move / re-hang.

LVPAC Lineset Schedule

Number	Description	Distance	Difference	Note
1	Main Drape	1' - 0"	12"	Dedicated
2	Border # 1	1' - 9"	9"	
3	Leg # 1	3' - 3"	18"	
4	Electric # 1	4' - 0"	9"	Dedicated
5	Projection Screen	5' - 6"	18"	Dedicated
6	Pipe	6' - 3"	9"	
7	Pipe	7' - 0"	9"	
8	Border # 2	7' - 9"	9"	
9	Leg # 2	8' - 6"	9"	
10	Orchestra Ceiling 1	10' - 0"	18"	Dedicated
11	Electric # 2	11' - 6"	18"	
12	Pipe (Spacer for Electric)	12' - 3"	9"	
13	Pipe	13' - 0"	9"	
14	Border # 3	13' - 9"	9"	
15	Mid Traveler / Leg # 3	15' - 3"	18"	Dedicated
16	Pipe	16' - 0"	9"	
17	Pipe	16' - 9"	9"	
18	Pipe	17' - 6"	9"	
19	Pipe	18' - 3"	9"	
20	Pipe (Spacer for Electric)	19' - 0"	9"	
21	Electric # 3	19' - 9"	9"	
22	Orchestra Ceiling 2	21' - 3"	18"	Dedicated
23	Border # 4	22' - 9"	18"	
24	Leg # 4	23' - 6"	9"	
25	Pipe	24' - 3"	9"	
26	Pipe	25' - 0"	9"	
27	Pipe	25' - 9"	9"	
28	Pipe	26' - 6"	9"	
29	Pipe	27' - 3"	9"	
30	Pipe	28' - 0"	9"	
31	Border # 5	29' - 6"	18"	
32	Pipe (Spacer for Electric)	30' - 3"	9"	
33	Cyc Electric	31' - 0"	9"	
34	Pipe (Spacer for Electric)	31' - 9"	9"	
35	Rear Traveler	32' - 6"	9"	Dedicated
36	Pipe	34' - 0"	18"	
37	Pipe	34' - 9"	9"	
38	Cyclorama	35' - 6"	9"	

Drapery

Main Drape	1
Henna; 25oz Overture Velour with Denim Lining; Guillotine or Travels (Center Split)	
Borders	5 Sets
10'-0" Tall x 96'-0" Wide; Black; 21oz Concertino	
Legs	5 Sets
10 Legs; 22'-0" Tall x 14'-0" Wide; Black; 25oz Overture Velour	
Mid Stage Black Traveler	1
2 Panels Black Velour; 24'-0" Tall x 33'-0" Wide (64' Wide total); Dedicated on Two- Way Track Serves as Leg #3 when open	
Rear Black Traveler	1
2 Panels Black Velour; 33'-0" Tall x 33'-0" Wide (64' Wide total); Dedicated on Two- Way Track	
Black Scrim	1
Black Sharks tooth, 27'-0" Tall x 60'-0" Wide	
White Scrim	1
White Scrim, 27'0" Tall x 60'-0" Wide	
White Cyclorama	1
27'-0" Tall x 60'-0" Wide, Grey Leno	

Wardrobe

A Wardrobe Room located in the basement, off Stage Left, with stair and elevator access.

Washer	1	Dryer	1
Jiffy Steamer	1	Iron	1
Ironing Board	1		
Rolling Wardrobe Racks	6		

Dressing Rooms and Green Room

There are four Dressing Rooms located off Stage Left. All rooms have make-up lights, mirrors, chairs, sinks, toilets, and showers. A Green Room is located off Up Stage Left.

Stage Level Dressing Rooms

Star 1	Capacity 2
Approx. 12'-0" x 9'-0"; 108 Sq. Ft	
Star 2	Capacity 2
Approx. 11'-0" x 8'-0"; 88 Sq. Ft	

Second Floor Dressing Rooms

<i>Stairs and Elevator Access</i>	
Chorus 1	Capacity 20
Approx. 13'-0" x 29'-0"; 377 Sq. Ft	
Chorus 2	Capacity 20
Approx. 13'-0" x 21'-0"; 273 Sq. Ft	

Green Room	Capacity 25
Approx. 21'-0" x 22'-0"; 462 Sq. Ft	

Protocol and Restrictions

No item with wet paint may be brought into the facility, and no major painting may be done anywhere inside or outside of the facility. The Theater will allow touch-up painting only on sets, props, and costumes. All painting projects must be scheduled in advance with Theater Production Manager. The Presenter will use care to protect the facility from paint spills and over-spray, and to perform any necessary clean-up.

LVPAC adheres to professional theater industry safety codes. All flown scenery requires the use of hardware rated for that purpose. To facilitate load-in, scenery should arrive properly rigged. The Theater reserves the right to re-rig any piece deemed unsafe to fly. Only hardware rated for "overhead lifting", domestically made, rated and stamped with all identifying information including working load limits, is to be used. ***Any hardware that is damaged, not made domestically, not rated for overhead use or markings are not legible, will not be permitted.***

If the Presenter desires to fly people, the Presenter must employ a specialty flying company approved by The Theater (such as Flying by Foy or ZFX).

Glitter, small confetti, and hay is prohibited in the theater. Chewing gum is never allowed. Food and drinks are prohibited on the stage, backstage and in the auditorium except bottled water.

A sufficient number of adult chaperones are required for events with children on stage and must be present when children arrive. The Presenter is responsible for the behavior of all cast members backstage.

The Presenter should arrange for all deliveries and pick-ups of equipment to occur during the time contracted for the use of the Theater. Any pick-ups or deliveries scheduled outside of this time must be approved in advance by The Theater. Storage of sets, props, costumes, etc. over any non-contracted days is not allowed.

The Presenter should provide a Stage Manager familiar with the production for all rehearsals and performances. The Stage Manager will call the show on headset with the stagehands. Theater personnel will assist and train the Stage Manager if required.

Stagehands must be given scheduled breaks in accordance with California Labor Laws.

Fire Code and Safety Compliance

Compliance with all local, state, and federal safety and fire codes is required. All sets and drops must be flame proofed or fire retarded. Management will prohibit the use of any item failing to comply with fire codes and/or safety standards.

The use of all special effect equipment, including, but not limited to, smoke machines, fog machines, hazers, and all types of pyrotechnic equipment, as well as the use of gun powder, starter pistols, candles, cigarettes, spark producing items and all types of flames, is subject to the advance approval of Management and, in some cases, the Livermore-Pleasanton Fire Department Fire Marshal. Labor fees may be incurred to obtain permit. ***Please note that without advance approval, the use of special effects will be denied.***

In accordance with California state law, the entire Theater building is a smoke-free facility.

Contacts

BANKHEAD THEATER

2400 First Street
Livermore, CA 94550
Tel: 925.373.6800
Fax: 925.373.6097

Loading Dock:
Located on Railroad Avenue
Address to Loading Dock for GPS
2309 Railroad Avenue
Livermore, CA 94550

Executive Director

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