



TECHNICAL SPECIFICATIONS

LIVERMORE VALLEY PERFORMING ARTS CENTER

BANKHEAD THEATER

2400 First Street, Livermore, California 94550

925-373-6800

The Performing Arts Center's new 500-seat Bankhead Theater, which opened on October 1, 2007, serves as the home for a number of the area's finest performing arts organizations. In addition, the theater hosts visiting performance artists from around the Bay Area and across the United States.

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. It 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. **Proscenium Distance to Last Lineset**
35'-6"
- K. **Stage Right Wing**..... 17'-8"
- L. **Stage Left Wing**..... 12'-5"
- M. **Center Line to Stage Right 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**..... 9'-4"
- S. **Stage Trap**
21'-0" Wide x 6'-0" Deep; located 8'-4"
upstage of proscenium

FOH Throw Distances

Control Booth Wall to Thrust Lip	66'-10"
Catwalk 1 to Curtain Line	16'-9"
Catwalk 2 to Curtain Line	32'-8"
Control Booth to Projection Screen	86'-6"
Projection Screen	
Motorized Front Projection Screen; 20'-0" Wide x 20'-0" (variable height)	

Stage Equipment

Dance Floor	6 Rolls (6'-6" Deep x 48'-0" Wide) Harlequin Reversible (Black/Gray)
Music Stands	60
Music Stand Lights	60
Musician Chairs	60
Stage Risers	8 4'x8' Wenger Versalite <i>Inter-changeable legs available: 8", 16", and telescoping 24"- 32"</i>
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
Orchestra Shell	1 8 wall sections with 2 ceilings; Wenger Diva
Lecterns	2 1 – Large; 1 - Small
Tables Contact theater management for availability	

Sound System

Mains:

Left & Right Meyer CQ-1
Center Meyer UPA-1P
Front Fill Meyer MM-4
Subwoofer Meyer 600HP

Processing

Audia-FLEX Digital Signal Processor

Sound Board Yamaha M7CL-48

Located in control room with sliding glass

Booth Monitors

Genelec 8020A

Mic Pre's

32ch's of mic pre's
4 – AD8HR 8ch

Monitors

6 – Wedges on 4 mixes
L-Accoustic 12xt
XTA processing
Labgruppen amplifiers
2 – Meyer UPM-2P Side Fill Speakers

Microphones

58's
57's
Wireless
*Please contact Production Manager for
Microphone inventory.*

Playback

Denon DN-T625CD/Cassette Player
Tascam CD-RW901
CD Recorder/Player

Assisted Listening

Listen LT800-072 Assistive Listening System
Listen LR-300-72 ALC Receivers

Clear Com

RCS-2000 Intercom
MS-440 4ch Stage Manager Station
RS-601 Single Chanel Belt Pack
RS-602 Dual Chanel Belt Pack

Sound Pressure Levels: We require that sound pressure be kept within safe levels for both our audience and our 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 asked to lower the volume in the Theater. Bankhead staff will have the final say in sound volume.

Lighting System

Console

Strand Light Pallet Live
192 Strand Dimmers @ 2.4k

Ellipsoidals

ETC 36 degree..... 575w
ETC 26 degree..... 575w
ETC 19 degree..... 750w
ETC 10 degree (Lens Tube)
ETC 50 degree (Lens Tube)

PARs

ETC PAR-EA..... 750w

Cyc Lights

Colortran 3 Cell Far Cyps..... 1kw
Altman Ground Cyc 6 windows..... 1kw

Followspots

2 Strong Radiance Systems..... 850w
approximately 80' throw to stage

Circuits (Stage Pin)

2 nd Catwalk	18	1 st Catwalk	24
3 rd Cove SL	6	3 rd Cove SR	6
2 nd Cove SL	6	2 nd Cove SR	6
1 st Cove SL	6	1 st Cove SR	6
1 st Electric	24	DSL Pocket	6
USL Pocket	6	USC Pocket	6
USR Pocket	6	DSR Pocket	6
DSL Drop	12	MSL Drop	12
USL Drop	12	MSR Drop	12
USR Drop	12		

Alternate circuits (paired with Catwalk circuits) located in other areas of theater; check with Production Manager

Company Switch/Auxiliary Power

Located at stage right wall

400 amp

3-phase Cam-Lok (G/N turn-around required)

100 amp

3-phase Cam-Lok (G/N turn-around required)

Miscellaneous

Barn Doors, Top Hats, Pattern Holders, Side Arms, Two-Fers

All Connectors are Stage Pin 20A/120v

12' Pipe and Base (6)

Assorted cable 5'-100'

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

Loading Dock

Dock Location Dock is located off of Railroad Avenue; North side of building

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 degree 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

250Volt Grounding, 2Pole 3Wire, 6-50 R (receptacle)

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	Pipe	11' - 6"	18"	
12	Electric # 2	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	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	30' - 3"	9"	
33	Electric # 4	31' - 0"	9"	
34	Pipe	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 Sharkstooth, 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

Wardrobe Room located in basement, Stage Left; stairs 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 Stage Left of the Stage. All rooms have make-up lights, mirrors, chairs, sinks, toilets, and showers. The Green Room is located Up Stage Left of the Stage.

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

- Stairs and Elevator Access*
- 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 User will be responsible to use care to protect the facility from paint spills and over-spray, and to perform any necessary clean-up.

To facilitate the load-in, scenery should arrive at the Theater properly rigged. Theater Management reserves the right to re-rig any piece deemed unsafe to fly. If the User desires to fly people, the User shall employ a specialty flying company approved by Theater Management (such as Flying by Foy or ZFX).

The use of all types of glitter, small confetti, and hay is prohibited. Chewing gum is never allowed in any of the buildings. Also, food and drinks are prohibited on the stage and in the auditorium.

A sufficient number of adult chaperones are required for events with numbers of children on stage. Children will not be allowed in the Theater until the chaperones are present. The User is responsible to monitor the behavior of all cast members backstage.

The User should arrange for all deliveries and pick-ups of equipment to occur during the time the user has contracted the use of the Theater. Any pick-ups or deliveries scheduled outside of this time-block must be approved in advance by Theater Management. Storage of sets, props,

costumes, etc. over any non-contracted days is not allowed.

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

Fire Code and Safety Compliance

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

The use of all special effects 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, and all types of flames, is subject to the advance approval of Theater Management and, in some cases, the Livermore-Pleasanton Fire Department Fire Marshal. Please note that without advance approval, permission will be denied to users to use special effects in their shows.

The Theater will adhere to professional theater industry safety codes. All flown scenery will require the use of hardware rated for that purpose. Stagehands will be given scheduled breaks.

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

Executive Director

David Dial
925.583.2301

Production Manager

Ed Estrada
925.583.2308

Operations Manager

Jole Mendoza
925.583.2307

Facilities Manager

Julio Gomez
925.583.2309

Accountant

Terri Baron
925.583.2303

Director of Marketing

Nancy Mueller
925.583.2306