

## Venue and Production Information

Alberta Bair Theater is a completely renovated 1931 Fox vaudeville movie house with standard proscenium configuration. The stage house and the orchestra level seating have been realigned by ten degrees, creating a much larger stage, some interesting angles and few problems. One existing support column located in the stage right wing remains for structural reasons. An orchestra pit with room for about 40 musicians is under the front sections and apron of the stage, with the apron on a hydraulic lift. The Lighting Control Booth and Sound Control are located at the rear of the orchestra level, center. Lights and the Act Curtain can be controlled from the Stage Manager station, stage left. Fly Gallery is above the stage right wing.

### Seating

<b>Total Seats</b>	<b>1376</b>
Main Floor	678 Continental Plan
Loge	196 Standard Plan
Upper Balcony	502 Standard Plan

<b>Other seating</b>	<b>18</b>
Main Floor Wheelchair Spaces -	7
Companion Seats –	7
Loge Wheelchair Spaces –	2
Companion Seats –	2

<b>Total Capacity</b>	<b>1394</b>
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**There are potentially 3 additional wheelchair spaces with an additional 3 companion seats in the sound board area. They are removed. Max capacity is then 1400. Folding chairs cannot be substituted for ADA configuration.**

### Dressing Rooms and Production Office

There are two Private and two Chorus dressing rooms located below the stage with stairs leading up to both sides of the stage. The Chorus dressing rooms have a capacity of 15 and 25. All dressing rooms are carpeted and have sinks, toilets, showers, makeup counters with chairs, mirrors (on the wall and full length), lights, and permanent wardrobe racks. A central area between the two chorus rooms has basic hospitality amenities.

A small Green Room is located on the stage left side of the basement. This room is equipped with two phone lines. The Green Room can be used as additional temporary dressing rooms, if necessary and if requested in advance.

A laundry with two washers, two dryers, deep sink, sewing machine, full length mirror, steamer, and ironing equipment is also available.

Wireless access to the internet is available in the dressing room area. The Technical / Facility Director can supply the password to access the wireless.

All dressing rooms and production office spaces have program audio / paging speakers as well as video monitors showing the audience view of the stage.

Tour and wardrobe case access to the dressing room area is through the orchestra pit using the stage hydraulic lift, and gentle ramps. Crates up to 3'0" wide by 6'0" long by 6'0" high can be taken into the central area

between dressing rooms. Dressing room door width restricted to 2'10".

There is a multipurpose room stage right on stage level with basic hospitality amenities. Connected to it is a bathroom, which has a toilet, sink, and shower and can be used for ADA purposes.

## Stage Dimensions

Proscenium	26' high, 53'10" wide
Plaster line to back wall	30' maximum
Plaster line to apron edge	7'6" maximum
Plaster line to balcony rail	47'
Stage Height above house floor	39"
Wall to Wall (unobstructed)	Varies downstage from 69'-72' until 7' from plaster line, then minimum of 80" upstage.
Note: column stage right	
Stage, right wing	Varies from 8'0" to 13'4" (obstructed by column)
Stage, left wing (unobstructed)	8'0" to 7' from plaster line, then min. 15'
Wing height	59', except 15'3" under fly floor stage right
Clearance under fly floor:	15'3", except where heating unit restricts to 8'7"
(Above Stage Right Wing)	
Loading Door Size	7'10" wide, 11'11" high

## Stage Floor

Black Battleship Linoleum over two layers of 3/4" plywood over 3 layers of 2" by 4" crosshatched sleepers on 16"centers. Floor can be nailed or drilled. No traps or elevators.

A 26'3" by 65'7" Harlequin (black) vinyl dance floor is available for dance performances.

## Orchestra Pit Lift

Orchestra Pit Lift: Dover Hydraulic. Platform is curved front, 5'10" depth in center narrowing to 2'6" at ends by 39'2" wide. Capacity: 40,000 lbs.

Orchestra Pit: In addition to lift: 10'5" maximum depth, with 48' clearance under apron 7'6". **Floor of pit is 10'1" below stage floor.** Power outlets and stage monitor lines 4'6" above pit floor (5'7" below stage floor.)

Orchestra Pit Capacity: The orchestra pit can accommodate 40 musicians.

## Stage Rigging

Type	Clancy T-Track counterweight
Number of sets	44
Number of available sets	30
Line centers	6"
Numbers of lines per set	5
Batten length	60', except set #43 which is 56'
Safe load	1,500 lbs per set
Weight available	10,000 lbs
Fly floor location	Gallery 17'6" above stage right wing
Loading gallery location	Floor at 67' above stage right wing

Top of Headblock height	79'3"
Grid Height	58' (Grid is below headblocks and loading gallery)
Maximum trim height	26'0" (Proscenium height)
Maximum low trim	4' from stage floor/Grand Drape - 18'

## Line Set Schedule

**This will be updated as instruments and soft goods are added.**

LINE#	DISTANCE FROM P-LINE	USE	REMARKS
	0'6"	Fire Curtain	Permanent
1	0'10"	Grand Drape	Permanent
Deck	1'4"	Act Curtain	Permanent, Pulls SL (fly) SR (travels)
3	2'1"	Red Portal	Permanent
4	2'10"	Electric #1	Permanent
5	3'10"	Spare	
6	4'5"	Black Legs	
7	4'11"	Spare	
8	5'5"	Spare	
9	6'3"	Orchestra Shell Cloud	Permanent
10	7'5"	Black Border	
11	7'11"	Black Legs	
12	8'6"	Spare	
13	9'3"	Spare	
14	9'11"	Electric #2	Permanent
15	10'10"	Spare	
16	11'4"	Spare	
17	11'11"	Spare	
18	12'6"	Spare	
19	13'0"	Black Border	
20	13'7"	Spare	
21	14'3"	Black Traveler	Legs also, Pulls SL (travels), Permanent
22	15'0"	Orchestra Shell Cloud	Permanent
23	16'6"	Black Legs	
24	17'0"	Spare	
25	18'0"	Electric #3	Permanent
26	19'0"	Spare	
27	19'6"	Spare	
28	20'1"	Spare	
29	20'7"	Black Border	
30	21'1"	Black Legs	
31	21'7"	Cyc Electric	Strip Lights, Permanent
32	22'1"	Spare	
33	22'7"	Spare	
34	23'1"	Spare	
35	23'9"	Orchestra Shell Cloud	Permanent
36	25'7"	Electric #4	Permanent
37	26'5"	Spare	
38	27'11"	Spare	
39	28'5"	Black Border	
40	28'11"	Black Legs	
41	29'5"	Spare	
42	29'11"	Spare	
43	30'5"	Cyclorama	Permanent
44	30'11"	Blackout Back Drop	Permanent

All lines pull from fly rail 17'6" above stage right unless indicated. For maximum audience masking, legs on lines #6, #11, #21, #23, #30, & #40. If traveled and left open, Grand Drape replaces Red Portal legs on line #4. With 150 + events each year, the hanging schedule constantly changes. Movie screen usually flies on line #16.

## Soft Goods Inventory

These will be updated but will be of similar specifications.

House Grand Drape	Type: Guillotine Material: Rose Brand, Plum Red 26oz. velour with gold trim Size: 62' w. by 9' h. 50% fullness, 8" box pleats, 8" centers
House Act Curtain	Type: Travel or Guillotine, pull from stage left Material: Rose Brand, Plum Red 26oz. velour with gold trim Size: 2 pieces each 33' w. by 28' h., 50% fullness, 8" box pleats, 8" centers
Portals (1 Pair)	Material: Rose Brand, Plum Red 26oz velour with gold trim Size: 13' w. by 28' h., 50% fullness, 8" box pleats, 8" centers
Borders (4 each)	Material: Black 21oz velour Size: 60' w. by 4' h. sewn flat
Boarders (1 each)	Material: Black 21oz velour Size: 50' w. by 10' h. sewn flat
Legs (5 pairs)	Material: Black 21oz velour Size: 13' w. by 28' h., sewn flat
Traveler	Material: Black 21oz velour Size: 2 pieces 33' w. by 28' h., 50% fullness, 8" box pleats, 8" centers
Blackout Back Drop	Material: Black 21oz velour Size: 58' w. by 30' h., sewn flat
Black Scrim	Material: Black sharks tooth scrim Size: 60' w. by 30' h., sewn flat
Blue Scrim	Material: Light blue sharks tooth scrim Size: 60' w. by 30' h., sewn flat
Bounce Drop	Material: Natural Muslin, horizontally seamed Size: 56' w. by 30' h., sewn flat

## Orchestra Shell

Type:	Wenger
Color:	Wood Grain
Size:	Upstage w. 39'5.75", downstage w., proscenium opening 53'10" Depth, 30', length of side walls: 30'. Ceiling h.:20' upstage to 26'1" downstage at pit line Side walls are each 10' w and 26'1" high, 3 per side
Capacity:	Approximately 90 musician full orchestra, or 70 musician orchestra with large chorus

## Auxiliary Power

### Show Power

All have 2 neutral connections for larger current draw situations

Audio power has isolated ground.

#### Stage Left 23 ft from proscenium opening

2 400 amp 3 phase Cam or Lug Connection

1 200 amp 3 Phase Cam or Lug Connection

#### Stage Right 16 ft from proscenium opening

1 400 amp 3 Phase Cam or Lug Connection

1 200 amp 3 Phase Cam or Lug Connection

The 200 amp disconnects stage left and stage right are shared and 200 amps maximum

2 LEX Bento Box distros are available each providing 6 20 amp circuits with one Edison connection per circuit.

2 L21-30 plugs each are located USC and DSR for use with the LEX Bento Box distros

These circuits share the audio disconnect isolated ground.

## Lighting System

Light Booth located at rear of main floor

### Control:

1 ETC GIO Console

1 ETC Nomad for backup control

### Dimming and Relays

144 ETC D20 Dual 20-amp dimmers (288 circuits)

72 ETC 20-amp Relay Circuits

### Fixtures:

100 ETC Source Four Ellipsoidal Fixtures HPL 750w 115v 3250 deg.K lamp

10 10 degree lenses 12 inch gel frame NO COLOR

10 14 degree lenses 7.5 inch gel frame GREEN

30 19 degree lenses 6.25 inch gel frame RED

25 26 degree lenses 6.25 inch gel frame BLUE

25 36 degree lenses 6.25 inch gel frame WHITE

64 Selicon Pacific Long 12-28 Degree Zoom Long Throw Ellipsoidal Fixtures GAC 1000w 3200deg.K. lamp. 6 inch gel frame

69 Selicon Pacific 23-50 Degrees Zoom Short Throw Ellipsoidal Fixtures GAC 1000w 3200deg.K lamp. 5 inch gel frame

All ellipsoidal fixtures have pattern slot. Instrument totals are subject to availability.

20 ETC Source 4 PAR Fixtures HPL 750w 115v 3250 deg.K lamp 7.5 inch gel frame

46 Par 64 with assortment of 1K lamps 10 inch gel frame

36 Altman 8" 1K Fresnel Fixtures BVT1000w Lamp 10 inch gel frame

25 Chauvet Professional COLORADO 3 SOLO LED RGBW with Zoom Fixtures

8 4 circuit Altman 500W T-3 Strip-lights 9 inch x 13 inch gel frame

8 50 pound light tree bases with variety of length pipes and side arms

Variety of lighting cables (stage pin, Socapex, 5 pin DMX etc)

Note: A Genie Personnel Lift is available for focus work. Platform height is 24'.

## Road Lighting Console Positions

These can be located anywhere on stage but the theater prefers that the lighting console stay with the sound console center of the house or if needed, space can be made in the house control room (given advance notice).

## Sound System

### Console:

1 Yamaha LS9-16 32x16

### Main Flown PA:

#### Left:

4 L Acoustics ARCS Focus

1 SB18M

#### Right:

4 L Acoustics ARCS Focus

1 SB18M

#### Center:

5 L Acoustics ARCS Wide

### Under Balcony Fill:

6 L Acoustics 5XT

### Balcony Flown Fill:

2 L Acoustics X12

### House Lower Fill (Under Left and Right Mains on Proscenium Downstage Wall Facing Audience):

2 L Acoustics X8

### Front Fill:

6 L Acoustics 5XT

**Monitor Speakers:**

10) L Acoustics X12  
4 QSC KW122  
2 QSC K10.2  
2 QSC KS12 subwoofer

**Follow Spots/Spotlights:**

Four (4) Long Throw Xenon 2K Super Trooper Follow Spotlights. Located on spot platform at back of auditorium just above balcony seating.

**Microphones**

We have an assortment of microphones, DI boxes stands etc, Please contact us with your specific needs.

All speakers except the QSCs are powered and processed by  
6 L Acoustics LA4X amplifiers

**Snake and Data**

32 channels (Male XLR at FOH) to patch bay at amp rack  
8 XLR Return lines from FOH  
8 Ethernet runs available to FOH  
3 Multimode Fiber to FOH  
8 RG6 BNC Connections to FOH  
Each of the snake and data lines may be routed to SL, SR, US as well as various balcony and house locations.

1 16 Channel 3 pin XLR sub snake 100 ft  
1 16x4 Channel 3 pin XLR sub snake 100 ft  
Variety of 3 Pin XLR audio cables  
Variety of NL4 cables

Variety of Edison type AC extension cables

**Road Sound Console Locations: House center rear position on main floor (under balcony).  
This area is approximately 18 feet wide by 6 ft 10 inches deep and is a level surface.**

## Hearing Impaired System

All Road Sound Systems must provide the theater with a balanced sound feed for ADA (Americans With Disabilities Act) Compliance.

**Hearing Assistance System:**

2 Listen LT800 FM Transmitters  
1 Listen Technologies LA-122 Universal Antenna Kit (72 and 216 MHz)  
56 Listen Technologies LR-4200-072-P1 DSP RF Receiver, Ear Speaker & Lanyard

## Intercom System

### Intercom Components:

- 1 Clearcom MS-704 4-Ch Partyline Intercom Main Station
- 2 Clearcom EncorePS-704 4 Ch Power Supply
- 12 Clearcom Single channel beltacks
- 15 Single Muff Headsets
- 4 Double Muff Headsets
- 5 Clearcom Telephone Handsets

- Locations:
- A. Stage Left
  - B. Stage Right
  - C. Sound Booth
  - D. Light Booth
  - E. Followspot Platform

## Pianos

It is expected that artists and stage hands will treat the pianos with care and respect. No food, beverages, ashtrays, cigarettes, equipment, tools, props or other items are to be placed on the pianos, unless the items are integral to a performance and have been approved in advance by the Technical Director.

The pianos may be moved only by personnel provided by the theater. This includes moving the pianos in and out of the storage room, up and down the orchestra pit, or anywhere around the stage.

All tuning of the pianos will be done by piano tuners provided by the Alberta Bair Theater. No one except approved piano tuners are allowed to attempt to change the tuning of the pianos.

The Alberta Bair Theater has the following pianos available:

- |               |   |
|---------------|---|
| 1990 Steinway | 9' Model D Grand Piano with Artisan Bench         |
| 1924 Steinway | 9' Model D Concert Grand Piano with Artisan Bench |
| 1993 Yamaha   | P-22 Studio Piano 46" high with padded bench      |

## Stage Equipment and Furniture

- 70 Wenger Musician black padded Orchestra Chairs
- 48 Orchestra Chairs with black padded seats, dark green frames.  
(25 of these are normally in or around the dressing rooms)
- 10 stools, adjustable height, maximum 27"
- 63 music stands, 60 music stand lights
- 1 Conductor Platform with red carpet, 42" x 36" x 9" high
- 1 Genie PLC-24e Personnel Lift, platform height 24'
- 8 8'x29"x29" high tables
- 6 6'x29"x29" high tables
- 2 Lecterns
- 1 Handcart



- 3 Flat Dollies, 2'x2'
- 1 2' A Frame Ladder
- 1 4' A Frame Ladder
- 1 6' A Frame Ladder
- 2 8' A Frame Ladder
- 1 10' A Frame Ladder

Wegner Versalite 3000 Platform System

- 8 4'x8' units with 6 leg slots
- 12 3'x8' units with 6 leg slots
- 24 Legs of each length: 8", 16", 24", 32", 40"  
(only four units can be the same height)

**INVENTORY CHANGES FREQUENTLY,  
PLEASE CONTACT THE THEATER TECHNICAL DIRECTOR FOR CURRENT INFORMATION**

[bhovland@albertabairtheater.org](mailto:bhovland@albertabairtheater.org) | 406-245-0625

## Directions to Venue and Loading Door

On I-90 take exit 450 (N 27th Street). Take N 27th Street, cross the railroad tracks, go three blocks further to 3rd Avenue North. Turn left (west) on 3rd Avenue and go to the first traffic light at N Broadway. The theater is located on the northwest corner of 3rd Avenue and N Broadway. The box office lobby entrance is located on N Broadway.

To get to the loading door continue on 3rd Avenue to the next traffic light at 29<sup>th</sup> Street. Turn right (north) on 29th Street and go one block to 4th Avenue North. Turn right (east) on 4th Avenue and go ½ block and turn right into the alley. The stage entrance and loading door are located just beyond the church building.

## Unloading/Loading

Trucks may be unloaded in the alley behind the theater. The loading door opens directly onto the upstage left area of the stage and measures 7'10" wide by 11'11" high. There is no loading dock or forklift in house and all equipment must be ramped to the ground. All wardrobe and road boxes that go to the basement dressing rooms must be taken down on the hydraulic pit lift. There is very limited room for case and equipment storage.

## Parking

Production and artist vehicles may be parked in the alley during the day of a production. Vehicles may also be parked in the metered spaces on the 3rd Avenue N side of the building. Notify the ABT Technical Director if parking for vehicles is needed so that meters can be bagged and the Billings City Parking Division notified in advance. The Technical Director will supply an identification sign to be placed on the driver's side dashboard of the vehicle. Failure to notify the Technical Director in advance may result in vehicles being ticketed or towed. Alberta Bair Theater will not be responsible for any fines or towing charges for vehicles that are parked without advanced notification or in areas not allowed.

## Shore Power

2 Shared 220v 50 amp outlets are available on each Southwest corner of venue and the Northwest corner of the venue.

## **Preferred local outside AV vendor**

For Sound, Lighting and Backline equipment and services that are not available in house at the Alberta Bair Theater, please contact:

Rhoda Hailstone  
406 860 9393 cell  
Rhoda@DiAEvents.com  
[www.DiAEvents.com](http://www.DiAEvents.com)