

The 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 is located at the rear of the orchestra level, center, and the Sound Control Booth is at the front of the balcony, house right. Lights and the Act Curtain can be controlled from the Stage Manager station, stage left. Fly Gallery is above the stage right wing.

Seating

Total Seats	1394
Main Floor	736 Continental Plan
Lower Balcony	202 Standard Plan
Upper Balcony	456 Standard Plan

Other seating

Wheel Chair Spaces -	7
Companion Seats -	7

Locating a sound and/or light board at the rear of the main floor eliminates 32 seats and 1 Wheel Chair space

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 a phone, drinking fountain, blackboard, bulletin board, table and chairs.

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. The sound from the stage is broadcast to all areas of the theater.

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".

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	5'10" wide, 12'0" 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 Reversible (black/gray) 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	34
Line centers	8"
Numbers of lines per set	5
Batten length	60', except set #43 which is 56'
Safe load	1000 lbs per set
Weight available	7850 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	57' (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

LINE#	DISTANCE FROM P-LINE	USE	REMARKS
	0'6"	Fire Curtain	Permanent
1	1'2"	Grand Drape	Permanent
	1'8"	Act Curtain	Permanent, Pulls Stage Left (flies/travels)
3	2'2"	Spare	Very tight to Line 4
4	2'9"	Red Portal Legs	Very tight to #1 Electric
5	3'2"	Spare	Very tight to #1 Electric
6	3'9"	#1 Electric	Permanent
7	5'4"	Black Legs	
8	6'0"	Spare	
9	6'8"	Spare	
10	7'4"	Black Border	
11	8'0"	Spare	
12	8'8"	Black Legs	
13	9'4"	Spare	
14	10'0"	Spare	
15	10'8"	#2 Electric	Permanent
16	11'4"	Orchestra Shell Cloud	Permanent
17	12'2"	Spare	Very tight to shell
18	12'8"	Spare	
19	13'4"	Black Border	
20	14'0"	Black Border	
21	14'8"	Black Traveler	Legs also, Pulls Stage Left
22	15'4"	Black Legs	
23	16'0"	Spare	
24	16'8"	Spare	
25	17'4"	Spare	
26	18'0"	Spare	
27	18'8"	#3 Electric	Permanent
28	19'4"	Spare	
29	20'0"	Spare	
30	20'8"	Black Border	
31	21'4"	Black Legs	
32	22'0"	Strip Lights	4 Circuit, Semi Permanent
33	22'8"	Spare	
34	23'4"	Spare	
35	24'0"	Spare	
36	24'8"	#4 Electric	Permanent
37	25'4"	Orchestra Shell Cloud	Permanent
38	26'0"	Spare	
39	26'8"	Spare	
40	27'4"	Black Border	
41	28'0"	Black Legs	
42	28'8"	Bounce Backdrop	Seamed Muslin
43	29'4"	Blackout Back Drop	
44	30'0"	Orchestra Shell Back Wall	Permanent

All lines pull from fly rail 17'6" above stage right unless indicated. For maximum audience masking, legs on lines #4,#7,#12,#22,#31 & #41. If traveled and left open, Act Curtain replaces Red Portal legs on line #4. With 150 + events each year, the hanging schedule constantly changes. Movie screen usually flies on line #14.

Soft Goods Inventory

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: Travail 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:	Custom built by Alberta Bair Theater
Color:	Off White
Size:	Upstage w. 42', downstage w., proscenium opening 53'10" Depth, 30', length of side walls: 24'. Ceiling h.:20'
Capacity:	Approximately 90 musician full orchestra, or 70 musician orchestra with large chorus

Auxiliary Power

Three 400 Ampere, 3 phase, 4-wire company switches are located on stage left wall. Distance from stage left proscenium opening is 23'. Connections are lugs up to 4'0".

Lighting System

Controls:	ETC Expression 3, 400 channels. Disc drive only.
Locations:	Light Booth located at rear of orchestra level
Dimmers:	Strand Century CD 80 2.4 KW dual dimmer modules, dimmer per Circuit
Quantity:	114 modules, 228 dimmers. 3 DN modules 3 ND modules 3 NN modules
Circuit Plug:	Grounded stage pin (GSP).
Capacity:	228 @ 20 Amperes, dimmer per circuit
Hanging Positions and circuit locations:	
Front of House:	Two Box Boom each side, 8 circuits each @ 30' @ Stage Left Box Boom: Circuits #1-8 Stage Right Box Boom: Circuits #17-24 FOH Bridge 48' from front of stage @ 38 degrees, 38 circuits, #33-70
Stage:	4 floor pockets stage left, 4 circuits each, #71-86 4 floor pockets stage right, 4 circuits each, #87-102 4 surface boxes on rear wall, 4 circuits each, #103-118 #1 Electric - 30 circuits: #121-150 #2 Electric - 24 circuits: #151-174 #3 Electric - 24 circuits: #175-198 #4 Electric - 30 circuits: #199-228
Road Patch:	Half of the front house circuits (even numbers) are available at road patch, stage left (grounded stage pin plug)
House Lights:	
Control:	Fixed time digital microprocessor.
Location:	Light booth, sound nest, stage left, stage right, projection booth, and usher station in lobby.
Work Lights:	Mercury Vapor and LED Lamps.
On stage:	Lights controlled from Stage Manager Panel stage left and entry doors at rear of stage on both sides.
Front of House:	Controlled from Stage Manager Panel, stage left. Fluorescent lights above grid controlled from stage right

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 light booth (given advance notice).

Lighting Inventory

Instrument Type	#	Manufacturer/Cat.#	Lamp	Frame Size
Permanent Front of House Use				
12-28 Deg Zoom	50	Selecon Pacific	GAC 1000w 3200deg.K	Stand. 6"
6x12" Elip	4	SLD X6x12/Iris Kit	FEL 1000w 3200deg.K	Stand. 6"
(Note: All ellipsoidals have axial mounted lamps)				
On Stage Use				
23-50 Degrees Zoom	89	Selecon Pacific	GAC 1000w 3200deg.K	Stand. 5"
8" Fresnel	36	Altman 175G	BVT1000w	8"
Par Can	24	Altman Par 64	MFL 1000w	8"
Cyc Lights	8	Altman #ASL9"	FCZ 500w	9"x13"
(*6 units from each group have irises)				

Note: A Genie Personnel Lift is available for focus work. Platform height is 24'. All ellipsoidals have pattern slot. Instrument totals are subject to availability.

Lighting Accessories

Booms	8	Altman B50 Bases with 12' of 1 1/2" pipe.
Y Splitters	6	6'0" Long
	36	3'0" Long
Cable	15	50' Long
	30	15' Long
	30	25' Long
	30	10' Long
Followspots	2	Strong #83070 Xenon Super Troopers, located in projection booth & on spotlight platform. House Right.

Sound System

The main public address system is designed to reinforce the natural acoustics of the theater. The system is capable of handling most events with the exception of pop/rock concerts with electric instruments. Equipment used in the sound system changes. Contact the ABT Technical Director at 406-259-7400 or abt@albertabairtheater.org for current available equipment.

Road Sound Console Locations: House center rear position on main floor (under balcony), eliminating 30 seats. Since the main floor has continental seating, Console locations in the center of the main floor eliminate about 100 seats that cannot be sold, and obstruct other sight lines. Sound Nest (open) located at front of balcony, house right.

Should your event need to rent a concert quality sound system, we recommend the following vendor:

Brook Hovland
 DiA Events
 P.O. Box 272
 Billings, MT 59103

Phone: 406-256-1077
 email: brook@diaevents.com

Hearing Impaired System

All Road Sound Systems must provide the theater with a balanced sound feed for ADA (Americans With Disabilities Act) Compliance. The theater has a Comtek BSA72 radio frequency hearing impaired system with a variety of receivers, operating on an FCC dedicated wave band of 72.100 MHZ.

Intercom System

All equipment is Clear Com, total of 37 stations.

Power	1 - MS-200 Main Station located in ticket office
Belt Packs	7 - Rs100A 3 RS 501 All cables used for Belt Packs must be pulled from mic cable inventory.
Headsets	12 - CC75B Single Muff Heavy Duty headsets
Handsets	5 - HS-6 Telephone Style
Headset or Handset Stations:	9 - MR102A
Locations:	A. Main Usher Station in Lobby house right B. Coat Check Counter in Lobby, house center C. Usher Station in Lobby, house left D. Mezzanine Lobby, house left E. Mezzanine Lobby, house right F. Stage Left G. Stage Right H. Sound Booth I. Light Booth
Belt Pack Plug In Stations:	18
Locations and Number of Inputs	A. Light Booth - 2 B. Director's Room - 1 C. Sound Booth - 2 D. Projection/Followspot Booth - 2 E. Second Followspot platform. F. Balcony Rail - 3 (left, center, right) G. Lighting Bridge - 3 (left, center, right) H. Lower Lighting Nest, house left, 1 I. Lower Lighting Nest, house right, 1 J. Orchestra Pit - 1 K. Fly Rail - 3 L. Grid Loading Gallery - 1 M. Grid over Stage - 1 N. Dimmer Room - 1 O. Stage Left - 1 P. Stage Right - 1 Q. Upstage Right Rear Wall - 1 R. Sound Equipment Room
Push to Talk Stations:	2 - KB112
Locations:	A. Dressing Room Corridor B. 1 P-Box Portable Station

Film Projection

Projectors:

Projector I	Norelco FP-16, Strong, Mighty Mite 1600watt Xenon system. (16mm)
Projector II	35mm Century Projector, Orcon Mark III CH 4500- (4500 watt lamphouse) Platter system, Strong, 35 AP3 Auto Programming (3 Platters)

Screens:

Screen I	14' high by 19' wide, mat white, reflectivity rating 0.9
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Location for Slide Projection: Balcony rail, 56' to screen.

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'
1	Genie PSL-18 Powered Superlift, Lifting Height: 17'1/4" maximum, 3/4" minimum* * Load Capacity 750lbs
2	4' high loudspeaker platforms, either 4'x4' or 4'x8', not both
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 CALL 406-259-7400 FOR CURRENT INFORMATION**

Directions to Venue and Loading Door

On I-90 take exit 450 (27th street). Take 27th Street north, 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 Broadway Avenue. The theater is located on the northwest corner of 3rd Avenue and Broadway. The ticket lobby entrance is located off of 3rd Avenue.

To get to the loading door continue on 3rd Avenue to the next traffic light at 29th 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.

Loading/Unloading

The unloading of trucks is done in the alley behind the theater. The loading door opens directly onto the upstage left area of the stage and measures 5'10" wide by 12' high. There is no loading dock and all equipment must be ramped to the ground. All wardrobe and road boxes that go to the basement 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 side of the building. Notify the ABT Technical / Facility Director if parking for vehicles is needed so that meters can be bagged and the Billings City Parking Division notified in advance. The Facility and Technical Director will supply an identification sign to be placed on the driver's side dashboard of the vehicle. Failure to notify the Facility and 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 for buses is available at the southwest corner of the venue