

# ALBERTA BAIR THEATER STAGE SPECIFICATIONS & INVENTORY

Revised 2011

## 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 AReversible≡ (black/gray) vinyl dance floor is available for dance performances.

### Dimensions:

Loading Door Size	5'10" wide, 12'0" high
Proscenium 26'	high, 53'10" wide
Plaster line to back wall	30' maximum
Plaster line to apron edge	7'6" maximum
Plaster line to grand drape	8"
Plaster line to act curtain	16"
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: (Above Stage Right Wing)	15'3", except where heating unit restricts to 8'7"

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.)

## 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 56' set #43
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'

**GRID HANGING SCHEDULE**

**DISTANCE**

<u>LINE#</u>	<u>FROM</u>	<u>P-LINE</u>	<u>USE</u>	<u>REMARKS</u>		
		0'6"		Fire Curtain	Perm	anent
1	1'	2"	Grand	Drape	Perm	anent
		1'8"		Act Curtain		Permanent, Pulls Stage Left (flies/travels)
3	2'	2"		Spare		Very tight to Red Portal Legs
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	Perm	anent
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	Perm	anent
16	11'	4"	Orchestra	Shell Cloud	Perm	anent
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	Perm	anent
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	Perm	anent
37	25'	4"	Orchestra	Shell Cloud	Perm	anent
38	26'	0"	Spare			
39	26'	8"	Spare			
40	27'	4"	Black	Border		
41	28'	0"	Black	Legs		
42	28'	8"	Bounce	Backdrop	Seam	ed 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.

## LIGHTING SYSTEM

Controls: ETC Expression 3, 400 channels. Disc Drive Only.

Locations: Light Booth located at rear of orchestra level

Dimmers: Type: 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

Circuits: Plug: Grounded stage pin (GSP).  
Capacity: 228 @ 20 Amperes, dimmer per circuit.

### Positions:

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 Lamps & LED. On stage: lights controlled from Stage Manager Panel stage left. Front of House: controlled from Stage Manager Panel, stage left. Fluorescent lights above grid controlled from stage right

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

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/back of the house or if needed, space can be made in the house light booth ( given advance notice).

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

Contact the ABT Technical Director at (406) 259-7400 or [abt@albertabairtheater.org](mailto:abt@albertabairtheater.org) for

current equipment list.

## SOUND SYSTEMS

Main Public Address System: Designed to reinforce the natural acoustics of the theater. The system is capable of handling virtually all events with the exception of pop/rock concerts with electric instruments.

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current equipment list.

**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.**

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

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.

**INVENTORY CHANGES FREQUENTLY,  
PLEASE CALL FOR LATEST INFORMATION (406) 259-7400.**