

technical information



revised December 2023

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THE ARDEN

The Arden is located in St. Albert Place Civic and Cultural Centre. Operated by the Cultural Services Division of the City of St. Albert's Community Services Department, it is one of four cultural components in the Centre, which was designed by Alberta architect Douglas Cardinal.

The Arden offers the finest in production facilities and superb acoustics.

address

The Arden
St. Albert Place
5 St. Anne Street
St. Albert, Alberta T8N 3Z9
Canada

www.ardentheatre.com

telephones

Box office and show information	(780) 459-1542
Technical office	(780) 459-1543
Fax number	(780) 459-1726

cultural facilities scheduling associate

Laura Aisenstat	E-mail laisenstat@stalbert.ca
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programming manager

Elliot Garnier	E-mail egarnier@stalbert.ca
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technical staff

	E-mail ardentech@stalbert.ca
Gin May	Technical Director
Larissa O'Hare	Technician (Lights)
Jon Lovell	Technician (Sound)

stage

floor

Tempered hardboard cover on 2 layers of 3/4" plywood, cushioned, black in color

dimensions

Width	23.6 m	76'10"	
Height	15.82 m	51'10"	
Depth	13.75 m	45'10"	(apron front to rear wall)
Proscenium opening:	9.5 m	31'2"	(proscenium line to rear wall)
Width	12 m	39'4"	
Height	7 m	22'11"	

orchestra pit

Access	Under stage		
Width	11.13 m	36'5"	
Length	2.25 m	13'9"	
Depth	3 m	6'7"	below stage floor
	1 m	39"	below auditorium floor
Musicians accommodated	15		

related equipment available

Pianos	7' Steinway grand
	1 – Yamaha U1 upright
Music stands	20 Manhasset
	1 Conductor
	10 Lights
Dance floor	Rosco, black/grey
Orchestra Chairs	100 black armless

fly gallery

drapes

Main curtain	Fabric: Red colored velour Operation: SR gallery	
Legs	Fabric: black velour 4 - 4.57 m wide x 7.94 high tracked on Rotodraper hangers	(14'11" x 26')
Borders	Fabric: black velour 1 - 21.18 m wide x 4.04 high	(69'5" x 13'3")
	Fabric: black velour 3 - 21.18 m wide x 3.05 m high	(69'5" x 10')
Travellers	Color: black 2-19.2 m wide x 8.53 m high	(62'11" x 27'11")
Scrim	Black Sharktooth 1-18.5 m wide x 8.3 m high	(60' x 27')
Cyclorama	Color: white blue filled cloth 1 - 19 m wide x 8.5 m high	(62'9" x 28')

fly lines

Total line set	26
Occupied lines	19
4 lines	electrics #4,10,13,16,25
1 line	main curtain #1
4 lines	legs #3,8,12,19
4 lines	borders #2,7,11,18
2 lines	travellers (black) #15,24
1 line	screen #17
1 line	cyclorama #26
Available lines	7
Loading capacity	684 kg (1500 lbs)
Length of pipe	#8 & #15 18.6 m (61')
	all others 18 m (59')
Maximum flying height	14.94 m (49')

lighting

control system

Main	ETC EOS Ti (4096) 2- 2x20 Sub Wings (By Electronic Theatre Controls)
Tracking Backup	ETC ION Xe (12,288)
Accessories	Radio Focus Remote 1 – ETCnomad Puck (SL backstage) 3 – 2 port ETC gateways 1- 1 port ETC gateway

circuits

FOH 4	10 - 2.4 kW
FOH 3	17 - 2.4 kw
FOH 2	23 - 2.4 kW; 2 - 2.4 kw for worklights
FOH1	16 - 2.4 kw
LX 1	22 - 2.4 kw; 1 - 2.4 kw for worklights
LX 2	NON-CIRCUITED (powered by SOCA)
LX 3	14 - 2.4 kw; 1 - 2.4 kw for worklights
LX 4	12 - 2.4 kw
Drop boxes	3 SR, 3 SL, each with 4 - 2.4 kw
Stage galleries	SR, SL, each 4 - 2.4 kw
Side slots in house	3 SR, 3 SL, each with 3 - 2.4 kw
Floor pockets	3 SR, 3 SL, each with 2 - 2.4 kw DS and US pockets each have one other circuit
Floor pockets	3 US shared with LX 4
Grid and orchestra pit	2 each-shared 2.4 kw 1 - 2.4 kw in orchestra pit

Total: ETC Sensor 3
240 dimmers – 72 D20 modules, 48 TR20SAF Thrupower modules

SOCA: 48 circuit SOCA patch box located pinrail SL.
8 runs of 6ch SOCA (2 x 100', 3 x 75', and 3 x 50')

Auxiliary Power
200 A, 3 Phase located SL

Atmospheric Effects
1 – MDG Atmosphere Hazer (DMX Controlled)

Instrument Inventory

Fixed Focus Ellipsoidal

10	Colortran 10° (FEL 1000w)
24	ETC Source 4 19° (HPL 575w)
16	ETC Source 4 26° (HPL 575w)
14	ETC Source 4 50° (HPL 575w)
26	ETC Source 4 36° (HPL 575w)
6	Altman Shakespeare 40° (FLK 575w)

Fixed Focus Barrels

8	Source 4 19° Barrels
22	Source 4 50° Barrels
2	Source 4 70° Barrels
2	Source 4 EDLT 36° Barrels
2	Source 4 EDLT 50° Barrels
2	Altman Shakespeare 50° Barrels
4	Altman Shakespeare 20° Barrels

Variable Focus Ellipsoidal

24	ETC Source 4 25-50° Zoom (HPL 575w)
12	Altman Shakespeare Zoom 15-35° (FLK 575w)
12	Altman Shakespeare Zoom 30-55° (FLK 575w)
6	Colortran Zooms 15-35° (FEL 1000w)

Fresnels, Parcans, other

40	Selecon 7" Rama Fresnels with Barndoors (BTR 1000w)
12	Colortran 6" Fresnels with Barndoors (BTR 1000w)
36	Par 64 (1000w MFL(12 Narrow bulbs available)) (storage)
8	Colortran, "Far-Cyc" 3 cell (FFT 1000w) (storage)

Worklight

2	Quartz Halogen Worklights - 1000w (FOH)
6	Altman Scoop floodlights - 500w (Onstage)
4	Quartz Halogen Worklights - 500w (Onstage)

Automation + LED

9	Chroma Q Colorforce 72 (lighting the cyc)
8	Chroma Q Colorforce 12
6	Ayrton Mistral
9	Clay Paky B-Eye K-20
26	Chroma Q (with 16 frame scrolls + 5 with I-Cues with 16 frame scrolls)
28	Chroma Q Plus (in houseplot with 20 frame scrolls)
5	Rosco I-Cue Mirror
5	Apollo EZ-Iris (with I-Cues)
8	8 way power supplies (PS08)
4	2 way power supplies (PS02)

Followspot

1	Lycian model-1267 followspot (400w HTI)
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Connectors:

All lamps and circuits are 20 Amp 125v new style twist lock

sound

mixing consoles

- 1 – DigiCo Quantum 338 (FOH)
 - MQ Rack (48in/24out)
 - Waves with Server
 - DMI MADI-C
 - DMI Aviom
- 1 – DigiCo Quantum 225 (Monitors)
 - D Rack (32in/16out)
 - DMI MADI-C
- 1 - Mackie 1604 VLZ4 (Permanent install in Dance Rack)
- 1 - Mackie 1402 VLZ3

compact disc player

- 2 - Denon DN-501C (CD/Ipod/USB) (FOH)
- 1 – Denon DN-501C (CD with Ipod, USB) (Dance Rack)
- 1 – Tascam SS-CDR200 (CD, SD, CF and USB)
- 1 – Tascam CDRW900 CD Burner (FOH)

microphones

- | | |
|--|---------------------------------|
| 5 - Shure SM58 | 2 – Audix D2 |
| 6 - Shure Beta 58 | 1 – Audix D4 |
| 4 – Sennheiser e835 | 2 - Sennheiser MD421 |
| 3 – Neuman KMS 105 | 2 - Sennheiser e 906 |
| 5 - Shure SM57 | 5 - Crown PCC 160 |
| 4 - Shure Beta57 | 1 - AKG D112 |
| 1 – Audix i5 | 1 - Shure Beta 52A |
| 6 - Shure SM81 | 1 - Shure Beta 91 |
| 2 - Shure Beta 87 | 1 – Audix D6 |
| 2 - AKG 535 | 3 - Line CM 2 |
| 1 - AKG D190 E | 6 - Line CM 3 |
| 6 - AKG 568 Condenser | 2 – RODE M5s |
| 4 - Sennheiser MD504 | |
| 2 - AKG GN30 with CK 31 capsule | 1 - Earthworks Piano Mic System |
| 9 - Shure ULXD series combo wireless mic with rechargeable battery packs | |

direct boxes

- 8 - Countryman D.I.
- 2 – Radial JDI Passive
- 1 – Radial PRO D2 Stereo DI Box (Passive)
- 1 – Rapco STL-1 (stereo D.I.)

speakers

- 2 – d&b Ali60 Loudspeaker (Main array)
- 4 – d&b Ali90 Loudspeaker (Main Array)
- 2 – d&b Y7P Loudspeaker (In Fills)
- 4 – d&b 44S Loudspeaker (Lip Fills)
- 4 – d&b V-GSUB Subwoofer
- 9 – d&b M6 Monitor (8 mixes available)

4 – Apogee AE6 monitors (12" + 1")
(Permanently hung above stage)

amplifiers

- 3 – 30D Amplifier (Main PA)
- 2 – D20 Amplifier (Monitors)
- 1 - Crest CA9 amplifiers (Apogee monitors)

snake

- 1 - passive 40 channel split
- 1 - 24 channel split
- 2 - 16 channel sub
- 2 - 12 channel sub
- 1 - 9 channel sub
- 2 – 6 channel sub

power

Isolated transformer - 100A in booth
100A 3 Phase disconnect SL with distro panel 7-20A twist
1-15A duplex

communications & projection

intercom system

Clearcom	
Master station:	main control booth
Stations:	3 speaker boxes
Beltpacks:	11
Wireless:	2- TR-800 packs, 2- TR-825 packs

telephones

(external and internal calls)	
Locations:	Control booth Green room Theatre office Workshop Box office

projection

Location	back of audience chamber
Projector	1- Panasonic PT DZ10 UK (10,600 lumen) (used with cinema screen) zoom lens (2.4-4.7:1) 1 – Panasonic PTRZ970LBU (10000 lumen) zoom lens(3.7-5.6:1)
Screens	1 – Matte surface 3m x 4.8m (10' x 16") (16:10 Ratio)(Hung) 1 – Matte surface (RP avail) 6.09m x 4.57m (20' x 15')(4:3 Ratio)(Stored) 1 – Draper 335" Electric Rolldown Cinema Screen (16:10 Ratio)
Switcher	1 – Roland V-800HD
Scaler	2 – Barco ImagePRO-II
Playback	1 – Panasonic DVD player 1 – Oppo Bluera y Player UDP-205 1 – Oppo Bluera y Player BDP-103

shop & loading

workshop

Location	Stage left	
Dimensions	6m x 11m	19'8" x 36'
Height	4.8m	15'8"

loading

Location	below scene storage/workshop on main floor		
Loading dock	door - maximum height	2.6m	8'11"
	maximum width	2.43m	11'7"
Scissor lift to stage level:			
	door - maximum height	2.03m	6'8"
	maximum width	2.43m	8'
	maximum length	5.94m	19'5"
Outside access	west side of St. Albert Place off St. Anne Street		