

MAIN THEATRE TECHNICAL INFORMATION

Effective: February 1st, 2021

If this document is more than a year old please contact Steve Solski, Director of Operations, at: (905) 681-2551 ex. 6320 or visit www.burlingtonpac.ca

1. POLICIES AND PROCEDURES

- a) **Smoking and the use of e-cigarettes is not permitted anywhere on the premises. This includes smoking written in the script as part of a play. Prop, fake or unlit cigarettes should be used in their place.**
- b) **Alcoholic beverages are permitted only in licensed areas of the building. Not in the dressing rooms or on stage.**
- c) **In accordance with Ontario Liquor Laws and the AGCO, no outside alcohol may be brought onto Burlington Performing Arts Centre property. Alcohol may be purchased for onsite consumption in coordination with our Audience Services Manager.**
- d) All cast and crew are asked to enter and exit through the stage entrance, located at the west side of the building.
- e) Food and beverages are not permitted on the stage. Water is permitted in a sealed container.
- f) At all times the fire curtain line must be able to be cleared immediately by a single individual.
- g) The use of flammable solvents, open flame, or fire is not allowed on Burlington Performing Arts Centre property without written permission from the Burlington Fire Department.
- h) Any production planning on using pyrotechnics or open flame must contact the technical office a minimum of 4 weeks prior to the load in of the production to allow time for clearance with the AHJ. The Authority Having Jurisdiction in Burlington is the Burlington Fire Department.
- i) The scissor lift and personnel lift are only to be operated by BPAC staff.
- j) Only personnel authorized by the Technical Supervisor are permitted to operate BPAC equipment.
- k) The fly system is only to be operated by BPAC staff.
- l) Any production planning on flying any scenic elements must provide details to the technical office at least 4 weeks prior to the load in.
- m) BPAC will **not** fly performers in the theatre. If you are considering flying performers contact the theatre immediately.
- n) Nailing, screwing or stapling to the stage floor is prohibited. A limited selection of sandbags and stage weights are available.
- o) The theatre must be completely cleared of all personnel 30 minutes prior to the performance to allow the FOH Coordinator to load the house. The Technical Lead will act as liaison with the FOH Coordinator to open the house and will be notified by the FOH Coordinator when the house is in.
- p) In order to arrange piano tuning, we require two weeks notice if you intend to use one of our pianos.
- q) Any production planning on using auxiliary power must contact the Technical Supervisor at least 2 weeks prior to the load in so that appropriate staffing and ESA permits can be arranged.
- r) All belongings, set pieces, and equipment must be removed at the end of the booking unless cleared with the technical department 1 week in advance. Additional cost may be incurred.
- s) Videotaping of performances must take place in prearranged locations in the auditorium or studio. Cameras must remain in a fixed location at **all times** when there is an audience.

2. STAGE ACCESSORIES

Skyjack SJIII 3220 scissor lift
Genie AWP-30S
2 ea. 6' & 8' step ladders
Staging Concepts risers primarily 4' x 8' with a limited quantity of 3'x8' and smaller available
Riser legs are available in 8" increments – *Contact the Technical Services Department for details*
Wenger Diva acoustic shell with several available configurations
70 Manhasset music stands
36 Manhasset music stand lights
75 Black straight back armless upholstered chairs
Lectern
Shigeru Kawai EX 9' Concert Grand (additional tuning charge applies)
Kawai RX2 Black 5'11" Grand (additional tuning charge applies)
Kawai CA93 Digital Piano
6 rolls Rosco Adagio black dance floor (50' long x 63" wide per roll)
MDG Atmosphere Hazer (additional charge applies)
MDG Max 3000 Fog Machine (additional charge applies)

3. WARDROBE

Limited laundry facilities are available at the theatre
The theatre has an iron, ironing board and professional steamer

4. STAGE DIMENSIONS

Proscenium opening	width 38' to 44'6"	height 28'
Stage depth from setting line to back wall	40'	
Stage depth from apron to main curtain	3'	
Stage left wing space	15'	
Stage right wing space	18'	
Stage floor to grid	60'	
Followspot booth to prosc at 6' AFF (30° angle)	77'	
Clear height in wings	27'	

There are 2 loading docks located upstage left at stage level. Both are truck bed height.
Both loading docks will accommodate a 53' tractor trailer

Stage floor is sprung and covered with Masonite painted black

5. SEATING CAPACITY

Stage apron	36*
Orchestra	466
Balcony	168
Boxes	48
Total	718

* Normal apron configuration is with seating in place. The apron can also play at stage level or function as an orchestra pit upon request. Additional labour charges will apply.

6. DRESSING ROOMS

Dressing rooms are shared by both theatres. All dressing rooms have washrooms and showers.

Please contact the Technical Services Department to confirm dressing room availability.

- 2 Dressing rooms for 12 to 14 persons (accessible to/from backstage by stairs **ONLY**)
- 3 Dressing rooms for 6 persons
- 1 Wardrobe / Dressing room for 4 persons (this room has laundry facilities / **NO** shower)

7. LIGHTING

There is a house lighting plot. Please see drawing for details. Changes and restoration of the house lighting plot as will be at the expense of the client.

a) Control

GrandMA2 Full-Size

386 Strand C21 2.4k dimmers (Dimmer per circuit) – 34 Circuits readily available at stage level

Dimmers are networked **only (NO dedicated dry line access)**

DMX is distributed throughout the theatre via Shownet Ethernet and Output Nodes

Guest Console physical access to the lighting network is provided through Shownet Input Nodes

****Access is also available via Streaming ACN over Ethernet****

Note: House Plot requires 3 DMX Universes for complete control – If your console has less than three physical outputs, please contact the Technical Services Department for more information regarding connectivity options.

b) Circuits

All circuits are 20A 125V L5-20 twist lock connectors

c) Instruments

20 ETC Source Four 10 degree	750 W	
27 ETC Source Four 14 degree	750 W	
13 ETC Source Four 19 degree	750 W	
36 ETC Source Four 26 degree	750 W	
60 ETC Source Four 36 degree	750 W	
20 ETC Source Four 50 degree	750 W	
6 ETC Source Four 70 degree	750 W	
8 ETC Source Four Lustr2 26 degree	LED	
8 ETC Source Four Lustr2 36 degree	LED	
30 Selecon Rama 6" Fresnel	1 kW	w/15 Barn Doors
24 ETC Source Four PAR	750 W	Narrow (All Lenses Available)
8 Selecon Aurora 3 cell	1 kW	Flown
8 Selecon Aurora 3 cell	1 kW	Floor Units
9 Altman Spectra Cyc 100 RGBA	LED	Flown
9 Altman Spectra Cyc 100 RGBA	LED	Floor Units
6 Varilite VL1100TS	1000 W	
12 Colorado 2 Quad Zoom Tour RGBW	LED	
2 Lycian 2040-12 follow spot	1200 W HMI	

Note: Some Lighting inventory is shared with the Studio Theatre - Please contact the Technical Services Department for available inventory if a dedicated hang is required.

d) Colour Media

We stock primarily Roscolux 2 digit and 3 digit colours.

e) Auxiliary Power (Lighting)

ESA permits are required for the use of any auxiliary power and require 2 weeks notice to arrange.

All company switches have camlock connectors w/Ground & Neutral reversed

2 - 400A 3 phase 5 wire Stage right gallery	(Minimum 75' of feeder to deck level)
100A 3 phase 5 wire down stage left	
100A 3 phase 5 wire down stage right	
100A 3 phase 5 wire house left proscenium catwalk	
200A 3 phase 5 wire stage right at grid level	(Minimum 100' of feeder to deck level)

f) Accessories

8 8' Boom Pipes – Additional pipe lengths & bases available

15 Apollo Scroll-7-Pro scrollers

8. AUDIO

a) Front of House Mix Position

Digico Quantum 338 w/56 inputs c/w Waves (additional inputs possible via MADl)
Stage rack is installed DSL in audio rack (several sub-snakes are available)
1 Denon DN-C620 CD player

Note: House mix position is in the centre of the theatre on the left aisle

b) Booth

Digico SD11
1 Denon CDR 633

c) Speaker System

Note: The main speaker system (including subs) is flown

Centre line array	7 Meyer Mina cabinets.
Left and right	2 Meyer CQ1 (lower) and CQ2 (upper) per side
Subs	2 Meyer 700HP located left and right.
Under balcony fills	6 Meyer UPM-1P
Front fills	8 Meyer MM-4XP
Pit rail fills	10 Meyer MM-4XP
Box seat fills	12 Meyer MM-4XP
Processing	Meyer Galileo Galaxy 816

d) Monitor System

Normal setup is stage left

Digico SD8 or SD9
4 EAW JFX100 Sidefills (Flown in wings 2 & 4)
12 D&B M4
2 D&B VSub
3 D&B D20 Amplifiers
4 Meyer MJF 212
2 Meyer UPJ-1A
4 EAW SM129zi
2 Behringer P2 IEM Wired

Note: House Mic split is Digital. For guest consoles that do not support MADl an analogue copper split will be required. Rental is available locally with additional cost.

e) Direct Boxes

12 Radial Mono Pro 48	Active
2 Radial Mono Pro DI	Passive
4 Radial Stereo Pro D2	Passive
2 Radial Pro AV1	Passive
3 Radial Pro AV2	Passive

f) Microphones

2 AKG C414B-XLS
4 AKG P3S
4 AKG 391B
1 AKG D112 Mkii
6 Crown PCC-160
1 EV RE-20
4 Sennheiser e609
1 Sennheiser e902
4 Sennheiser e904
2 Sennheiser e914
2 Sennheiser e935
4 Sennheiser MD421
1 Shure Beta 52
1 Shure Beta 56
6 Shure Beta 58
1 Shure Beta 91A

- 8 Shure SM 57
- 4 Shure SM 58
- 4 Shure SM 81
- 2 Shure Beta 98H clip on
- 4 Shure MX202/185 choir mics

g) Wireless Microphones

- 8 Shure ULXD receivers
- 8 Shure ULXD1 belt packs with Countryman E6 earset mics
- 8 Shure ULXD2B87 handheld transmitters with B87A capsules
- 2 Countryman B3 lavalier mics

- 6 Lectrosonic VRT Tracking receivers
- 6 Handheld UT transmitters with Supercardioid capsules
- 6 LMa belt packs Countryman with Countryman E6 earset mics
- 2 Countryman B3 lavalier mics

h) Microphone Stands

- 16 K&M tall boom stands Black
- 12 K&M short boom stands Black
- 18 Atlas round base stands Black

i) Paging & Program Sound

Paging is currently unavailable
 Program Sound is selectable per dressing room
 Monitors are located throughout the building, including hallways

j) Production Intercom

- 1 4-channel Technical Projects power supply
- 1 2-channel Clearcom Tempest wireless intercom
- 6 Single Channel Clearcom belt packs
- 6 Clearcom headsets
- 2 Clearcom HS-6 handsets

k) Auxiliary Power (Audio)

ESA permits are required for the use of any auxiliary power and require 2 weeks notice to arrange.

All company switches have camlock connectors w/Ground & Neutral reversed

100A 3 phase 5 wire down stage left

9. VIDEO EQUIPMENT

a) Video Projectors

Christie D13HD-HS Projector located on the balcony rail (2.0-4.0:1 zoom lens)
 Max. 28'8" Wide image projected on the Main Curtain
 Max. 48'4" Wide image at the Rear Wall

b) Projection Surfaces

- 13' x 22' front projection surface
- 13'6" x 24' front projection surface
- 30' x 53' PVC Cyclorama front projection surface

c) Livestream

Control

- 1 Roland V-1SDI Switcher (3 Camera / 1 PC Input)
- 2 Sony RM-BR300 PTZ Controllers (1x RS-232 / 1x RS-422)

Cameras

- 2 Sony SRG-X120 4k (PTZ – RS-422 VISCA)
- 2 Sony EVI-HD1 1080p (PTZ – RS-232 VISCA)
- 1 Sony HDR (Static)

10. NETWORK ACCESS

a) Wi-Fi

Guest Wi-Fi is available. A password for the in house network will be provided during the event advance

b) Hard Line

Dedicated Hard Line access is available for live-stream, webcast or other needs
Symmetrical 50Mbps up/down low latency connection

11. FLY SYSTEM

There is a single purchase counterweight fly system installed in the main theatre
Maximum production payload per line-set: 1500lb (250lb single point)
Operating gallery is at stage level or gallery level stage left

a) Extra Drapery

Legs	4 – 30' h x 6' w	25oz. IFR black velour no fullness
	2 – 30' h x 12' w	25oz. VFR black velour no fullness
Traveller	2 – 30'h x 30' w	25oz. VFR black velour no fullness
Border	1 – 12' h x 55' w	25oz. IFR black velour no fullness
Scrims	1 – 29' h x 55' w	sharks tooth black
	1 – 30' h x 55' w	sharks tooth white
Pipe & Drape	10 – 9'4" h x 44" w	13oz. IFR black velour (as available)

b) Cyclorama

Cyclorama is a Rosco Twin White PVC Screen measuring 30' h x 53' w with a 4" Pipe Pocket
(Cyc Electric Ground Row is set for Rear Lighting, and requires the Cyc to be breasted
downstage approximately 4' for adequate colour blending)

c) Lineset Schedule

Line	BPAC House Hang	Notes	Distance from Plaster line	Distance from Main Drape	Height x Width (ft)	
0	Fire Curtain		0' 0"			
1	Main Curtain	Red Velour (75% Fullness) Flies ONLY	0' 10"	0'-0"	22	46
2	#1 Border	Hard (Aluminum Frame) - Permanent	1' 9"	0'-11"	12	55
3	#1 Legs	Black Velour (No Fullness)	2' 7"	1'-9"		
4	#1 Electric	Truss Batten	3' 1"	2'-3"		55
5	Spare Border		4' 4"	3'-6"		
6	Projection Screen	Small Screen	4' 11 1/2"	4'-1 1/2"	13	22
7	Empty		5' 8"	4'-10"		
8	Unavailable / Obstructed	Collides with Acoustic Ceiling	6' 3"	5'-5"		
9	Acoustic Shell Ceiling #1	Permanent / Not Moveable	6' 11"	6'-1"		
10	Unavailable / Obstructed	Collides with Acoustic Ceiling	7' 7 1/2"	6'-9 1/2"		
11	Empty		8' 3"	7'-5"		
12	Empty		8' 11 1/2"	8'-1 1/2"		
13	#2 Border	w/ Bottom Pipe	9' 6"	8'-8"	12	55
14	#2 Legs	Truss Batten w/ Swing Arms	10' 3 1/2"	9'-5 1/2"		
15	#2 Electric	Truss Batten	10' 10 1/2"	10'-0 1/2"		55
16	Unavailable / Obstructed	Collides with LX 2	11' 6 1/2"	10'-8 1/2"		
17	Empty		12' 2 1/2"	11'-4 1/2"		
18	Empty		12' 10 1/2"	12'-0 1/2"		
19	Empty		13' 6"	12'-8"		
20	Projection Screen	Large Screen / Not Useable as an Lx	14' 2"	13'-4"	13'6	24
21	Acoustic Shell Ceiling #2	Permanent / Not Moveable	15' 0"	14'-8"		
22	#2A Electric	Truss Batten	16' 2"	15'-4"		55
23	Unavailable / Obstructed	Collides with LX 2A	16' 10"	16'-0"		
24	#3 Border	w/ Bottom Pipe	17' 5"	16'-7"	12	55
25	#3 Legs	Truss Batten w/ Swing Arms	18' 1"	17'-3"		
26	# 3 Electric	Truss Batten	18' 9"	17'11"		55
27	Unavailable / Obstructed	Collides with LX 3	19' 5"	18'-7"		
28	Empty		20' 1"	19'-3"		
29	Mid Traveler	Tracking / Black Velour (No Fullness)	20' 9"	19'-11"		
30	Empty		21' 6"	20'-8"		
31	Empty		22' 1"	21'-3"		
32	Empty		22' 8 1/2"	21'-10 1/2"		
33	Empty		23' 4 1/2"	22'-6 1/2"		
34	#4 Border	w/ Bottom Pipe / Not Useable as an Lx	24' 1"	23'-3"	12	55
35	Acoustic Shell Ceiling #3	Permanent / Not Moveable	24' 8"	23'-10"		
36	#4 Legs	Truss Batten w/ Swing Arms	26' 0"	25'-2"		
37	#4 Electric	Truss Batten	26' 8"	25'-10"		55
38	Empty		27' 11 1/2"	27'-1 1/2"		
39	Empty		28' 7"	27'-9"		
40	Unavailable / Obstructed	Collides with LX 5	29' 3"	28'-5"		
41	#5 Electric	Truss Batten	29' 11"	29'-1"		55
42	#5 Border	w/ Bottom Pipe	30' 7"	29'-9"	12	55
43	Empty	Not Useable as an Lx	31' 3"	30'-5"		
44	Cyc Electric	Truss Batten	31' 10 1/2"	31'-0 1/2"		55
45	#5 Legs	Truss Batten / Not Useable as an Lx	32' 8"	31'-10"		
46	Acoustic Shell Ceiling #4	Permanent / Not Moveable	33' 2 1/2"	32'-4 1/2"		
47	Unavailable / Obstructed	Collides with Acoustic Ceiling	33' 9"	32'-11"		
48	Empty		34' 7"	33'-9"		
49	Empty		35' 2 1/2"	34'-4 1/2"		
50	Empty		35' 10"	35'-0"		
51	US Traveler	Tracking / Black Velour (No Fullness)	36' 9"	35'-11"		
52	Cyclorama	White PVC	37' 3"	36'-5"	30	53
53	Acoustic Shell Rear Wall	Permanent / Not Moveable	37' 10"	37'-0"		