

# THE FREDERICTON PLAYHOUSE

686 QUEEN STREET \* E3B 1C2  
506-458-8345

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## GENERAL INFORMATION

The Playhouse is located in downtown Fredericton, New Brunswick, next to the Provincial Legislature, the Beaverbrook Art Gallery and the Lord Beaverbrook Hotel. Originally built as a gift to the people of New Brunswick from Lord Beaverbrook in 1964, it was thoroughly renovated in 1972 to expand its technical capabilities. The City of Fredericton purchased the facility in July 2000 to ensure its prominence in the cultural community as a principal live performance arts centre. Today it serves as a venue for local and out-of-town performers, meetings and receptions, and the home of Theatre New Brunswick, the province's premiere English-language theatre company.

The auditorium seats 709 people, 465 in the orchestra and 244 in the balcony. Included in the orchestra section are four wheelchair positions. The Playhouse is wheelchair-accessible. As well, we hold 19 technical seats at the back of the orchestra seating. Row N 1 through 7, Row O and P 1 thru 6.

Two side galleries are available for smaller groups and receptions, with bar service on request. Advance newspaper publicity is available at a discounted rate.

Merchandising space is available in the galleries; we can provide tables and chairs and, by prior arrangement, a salesperson. Post-show autograph sessions are encouraged.

Please inquire about Catering with our Patron Services Manager (506) 459 - 6217

Use of pyrotechnical devices, candles and open flame, replica weaponry, fog and smoke generators, lasers, strobe lights, confetti and confetti cannons, bubble machines and other special effects require advance approval from the Technical Director.

# TECHNICAL INFORMATION

## THE LOADING DOCK & STAGE DOOR

Both the Loading Dock and the Stage Door are located on St John Street. The Loading Dock is at the back of the building and the Stage Door is on the side of the Building

The loading dock is on the stage level and is equipped with a docking plate. Access from the loading dock to the stage is unobstructed.

The Stage Door is at stage level and has a concrete ramp from sidewalk level to door level

Loading Dock/Stage Door	
Dock Width	7'-10"
Dock Height	9'-11.5"
Dock Height (measurement is with docking plate level)	0'-34"
Docking Plate Width	0'-78"
Docking Plate Minimum Height	0'- 37.5"
Stage Door Width	3'-5"
Stage Door Height	6'-4"

## THE STAGE

Stage Dimensions	
Maximum Proscenium Opening width	40'-0"
Minimum Proscenium Opening width	34'-0"
Proscenium Opening height	19'-6"
Curtain Line to Upstage Wall	29'-6"
Curtain Line to Downstage Apron	5'-6"
Centre Line to Stage Left clear	35'-0"
Centre Line to Stage Right clear	35'-0"
Stage Left Wing clear height	18'-0"
Stage Right Wing clear height	15'-4"
Stage Floor to Grid	59'-0"
Stage Floor to Auditorium Floor	0'-31"

Clear Floor Space	
Main Curtain to #1 Traveler	9'-0"
#1 Traveler to #2 Traveler	17'-0"
Typical Opening, Downstage Legs	36'-0"

The stage floor is High Density 4' x 8' Fiber Board, painted flat black. With cloth taped seams

# THE FLY SYSTEM

The Playhouse fly system is a manually operated double-purchase line set system. Forty-one line sets are in the system, please see attached Fly Schedule for available line sets. The fly system is operated from a stage right gallery located 15'4" above the stage. A pin rail can be found slightly higher on stage left.

Maximum Loading Capacity	
Scenery Pipe	Aprox 600 lbs.
Lighting Pipe	Aprox 400 lbs.

Pipe Length	
Minimum	42'-0"

Maximum Flying Height	55'-0"
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Dimensions: Fly Goods		
Item	Width	Height
Main Curtain 300% fullness	50'-0"	29'-6"
2 x Traveler 75% fullness	50'-0"	29'-6"
5 x pair Legs 0% fullness	13'-0"	27'-0"
5 x Border, Flat	49'-10"	10'-0"
1 Black Drape, Flat	50'-0"	29'-6"
2 x Black Drapes, Flat	26'-6"	29'-6"
Cyclorama (natural muslin)	40'-0"	30'-0"
Black Scrim	40'-0"	31'-0"
White Scrim	40'-0"	30'-0"
Rear Projection Screen	38'-0"	18'-0"
Fredericton City Drop	40'-0"	20'-0"
6 x white sheer legs	9'-10"	35'-0"

## THE LIGHTING SYSTEM

A GrandMA 2 Full console is located in the projection booth; controlling 192 Strand CD80, 2.4kW AMX dimmers, using a Pathways DMX to AMX converter.

An ETC Ion 3000 that is networked out to a NET 3 -4 port Gateway with: 4 DMX out providing a total of 6 DMX outputs with 2 Touch Screen & 1 2 x 20 Fader Wing, is also available.

Circuit connectors are 20A 125V Hubbell twistlocks. Please see attached Circuit and Instrument Schedules for details. House lights are on a separate system, with control from the projection booth and downstage right.

A 3-phase 400A disconnect is located offstage right.

A full range of lighting accessories is available including traveling light standards, c-clamps and plug adapters. Filter media selection includes most of the Rosco catalogue between R01 and R127, and a small selection of Lee colours. We also stock a variety of gobo patterns. Black wrap, muffler tape and cookie trays are always in stock. Final focus is done from a JLG Drivable Man lift, a 20 MVL; **maximum platform height is 20'0"**.

Blue running lights are installed above both wings and the fly floor. Clamp lights are available to supplement these.

Two Lycian M2 2500 watt HMI follow spots are available for use. These are in a booth located above the auditorium in the centre of FOH 2. Building structural design limits the throw of these lamps to about 26' upstage at a platform height of 4'-6" and to Row C in the orchestra seating; even to achieve this range the fixture must be physically moved within the spot booth. Depending on the crew call, extra labour charges for an operator may apply.

One MDG Atmosphere Hazer is also available for rental. These feature independent or DMX remote control. We use an unscented MDG Hazing Neutral Density agent, Materiel Safety Data Sheet available on request. Use of any Haze generator must be cleared with the technical staff to ensure proper signage is posted in public areas.

Pyrotechnic special effects may be used with the approval of the Technical Director. The pyrotechnician must show proof of proper licensing and have a clear understanding and working knowledge of the National Fire Prevention Association Code 1126 and federal regulations under the Department of Energy, Mines and Resources Explosives Division Class 7.2.5. Handling, storage and preparation of pyrotechnic materials will be in compliance with federal, provincial and local codes, and be within the manufacturers' guidelines. The Fredericton Fire Department must be notified 1 month prior to the use of pyrotechnical devices before any public performance.

## THE LIGHTING SYSTEM

Instrument Selection			
Instrument	Type	Load	Count
ETC Source 4 Zoom	15-30° zoom	750W	26
ETC Source 4 Zoom	25-50° zoom	750W	8
ETC Source 4	Fixture Bodies	750W	108
ETC Source 4 – Tubes	19°		27
ETC Source 4 – Tubes	26°		32
ETC Source 4 – Tubes	36°		42
ETC Source 4 – Tubes	50°		20
ETC Source 4 – Tubes	90°		1
ETC Source 4	PAR Bodies	750W	24
ETC Source 4 Par Lens Kit	VN/N/MFL/WFL		24
Rama 7” Fresnel	7”	1kW	30
CCT Cyc strip	3 circuit	1kW	8
Colorforce LED Strip	Chroma-Q 48”	480	10
Ayrton LED Profile – Moving Head	Mistral TC	450W	12
Martin LED wash – Moving Head	Mac Aura	260W	9
Moving Mirror	Rosco I-cue		5
DMX Iris Kit	City Theatric		5
Gobo Holder B – size	ETC Source 4		30
Gobo Holder A – size	ETC Source 4		2
Iris Kit	ETC Source 4		13
Floor Pads	10.5”x17”		16
Wooden Boom Plates w/threaded flange for pipe	24”x24”		8
4 way Barn Doors	Rama		30

## THE LIGHTING SYSTEM

Circuit Distribution	
Location	No. of Circuits
Front of House electrics alcoves	10
Second Front of House	16
First Front of House	20
Bridge	30
1 <sup>st</sup> electrics batten	16
2 <sup>nd</sup> electrics batten	15
3 <sup>rd</sup> electrics batten	12
4 <sup>th</sup> electrics batten	15
5 <sup>th</sup> electrics batten	16
Pin Rails	8
Downstage walls	7
Floor Pockets	27

## THE SOUND SYSTEM

A Digico SD 10 digital console is located at the back of the Auditorium for the FOH mix position. This console is capable of 48 sends with 24 returns at the stage and 8 sends, 8 returns and 4 channels of AES at the console position. The Digico SD 10 has onboard gate and compression for each channel, 12 onboard 31 band EQ's, full tap delay and 2 multi effects processors and a dedicated reverb processor.

Upon request, an additional mixing console can be provided for a Monitor mix position. This console is a Digico D1 Live with 48 sends and 16 returns console; it can be located on either side of the stage and can provide you with 40-channels, up to 15 mix's, with a listening wedge. If using house wedges, we can do up to 13 mixes with a listening wedge, depending on our wedge configuration. The Digico D1 Live has onboard gate and compression for each channel, 12 onboard 31 band EQ's, full tap delay and 2 multi effects processors and a dedicated reverb processor.

A three-phase 100A disconnect is located down stage left. This is power that is shared with the main PA.

The Playhouse has a long-standing relationship with local music and entertainment retail and rental companies. Please inquire as to your specific needs.



## THE SOUND SYSTEM

Consoles		
Application	Brand	Count
FOH	SD12 w/Waves	1
Backup power supply	APC	1
Monitor	Digico SD 10	1
Playback		
Playback Computer	Apple - Mac Mini	1
Qlab 3	Figure 53	1
FOH Speakers		
Balcony Left/Right	Meyer CQ-2	1 per side
Orchestra Left/Right	Meyer CQ-2	1 per side
Balcony Centre cluster	Meyer UPA-2P	2
Orchestra Centre cluster	Meyer UPA -1P	1
Orchestra Front Fills (mono)	Mayer UPM-1P	3 (L/C/R)
Left/Right Subs	Meyer HP700	1 per side
Speaker Processing	Galileo	1
Monitor Wedges		
Floor Monitors	d&b M6	14
Subs	Meyer USW-1P (Double 15's)	2
Power Amplifier	d&b D20 (quad amps)	4
Stands		
Tall Booms (Black)	K&M 210/6	17
Short Booms (Black)	K&M 259	12
Straight Stands (Black)	Generic	4

Microphones		
Application	Brand	Count
Vocal	Shure Beta 58A	6
Vocal	Sennheiser 865	6
Vocal (Podium)	EV PC18	2
Instrument	Shure Beta 57A	6
Instrument	Neumann K184	6
Instrument	AKG 414	2
Instrument	AKG 391	5
Instrument	Sennheiser 421	2
Instrument (installed on our Piano)	C-Ducer	2
Drums/Percussion	Shure Beta 98	6
Kick	Shure Beta 52	1
Kick	Shure Beta 91A	2
Area Mic	Crown PCC 160	3
Area Mic	Crown PZM	2
Choir Mic	AKG HM 1000	8
Direct Box (Active)	BSS AR-133	7
Direct Box (Passive)	Rapco DB-101 SL	6
Wireless System		
Wireless Receivers	Shure UHF-R Dual	11
Handheld Vocal	Shure UR2/Beta 58	7
Handheld alternative Vocal Capsules	Shure KSM 9	4
Mic/Instruments Body Pack	Shure UR1	22
Vocal Head Mic	DPA 4188 Core	4
Vocal Head Mic	Countryman E6	16
Wig Mic	Countryman B6	6
Lavalier Mic	Shure	3
¼" Instrument Cable	Shure WA302	22

## STAGE POWER

A 3-phase 400A disconnect is located offstage right

A three-phase 100A disconnect is located down stage left. This is power that is shared with the main PA.

Six (6) 15 amp U-ground plugs are located in our down stage left cove for audio stage power.

Four (4) 15 amp U-ground plugs are located in our down stage right wing, two (2) on the down stage wall and two (2) mid stage under our 400A disconnect.

## COMMUNICATION SYSTEMS

The Playhouse is equipped with a ClearCom system and an HME wireless System. The main base station is in the projection booth, with eighteen receptacle locations throughout the building. Besides the base station, there are 7 ClearCom belt-packs and a paging console with a ClearCom pack built in. An auxiliary input allows connection of Program Sound to all comm. stations. The HME wireless system is connected to the ClearCom system and has 4 wireless packs.

The paging console can be operated from the projection booth, the auditorium or stage right. Pages can be restricted to any or all of six zones throughout the facility.

Program Sound is activated at the paging console. This is a global system with independent volume controls in each room. The source is a dedicated Crown PCC160 boundary zone mic permanently attached to the underside of the flying light bridge, about 3' downstage of the plaster line and 20' above the stage floor.

Program Video is controlled from the projection booth and distributed to the Green Room, both sides of the lobby and the Rehearsal Hall. Other locations can also be accommodated. The source is a fixed-focus colour camera, on the front of the balcony rail.

An IR hearing impaired system is constantly active, sourced from Program Sound. Patrons can acquire the IR receiver's and headphones from the Playhouse Coat check.

## STAGE ACCESSORIES

There is no orchestra pit. Options for pit bands include the Green Room, immediately offstage right, the stage left wing or the backstage area, immediately upstage of the upstage fire curtain.

The Playhouse is the proud owner of a 1968 Steinway & Sons, New York, D-series Nine Foot Concert Grand Piano, tuned A-440Hz.

The Playhouse has Ten Manhasset music stands and 24 stand lights. Also in stock are Five (5) 30" matching wooden bar stools, six matching armless wooden chairs with padded red seats, 70 matching black metal chairs with arms and padded seat and back and 90 Black padded folding chairs.

The Playhouse has a stock of 29 Wenger Versalite 4' x 8' risers.

Riser Leg Lengths	
Leg Length	Quantity
8"	72
12"	72
16"	30
24"	72
32"	30
40"	30
48"	12
52"	6

There is an 8x8' drum riser carpet; other carpets may be available.

## ARTIST AMENITIES

The Green Room is immediately offstage right and is accessible via double doors directly from the stage, as well from the East Gallery and the Stage Door entrance. Typically outfitted with 4 love seats and 2 wing chairs, seating for ten people, but it can provide a comfortable living room environment for twelve to fifteen people and is usually used for catering as well. Program Sound and Video and paging are also provided.

There are two twelve-person dressing rooms and two private dressing rooms on the stage level. Access to the stage is from upstage right and left or through the Green Room. Each dressing room is equipped with tables, chairs, lighted mirrors, hot and cold water, sinks, showers, clothing racks, paging, Program Sound and AC outlets.

## OTHER SERVICES

A 43x32' rehearsal hall may be available by special arrangement. A large skylight provides natural light, supplemented by fluorescent lights. Access is via stairs only.

## PARKING

Please contact the Technical Director to discuss and arrange you're parking needs. There is no Shore power for buses.

## CONTACTS

Jeffery Fevens	Technical Director	(506) 459 6208
Judy Joe	Head Technician	(506) 459 6228
	Administration	(506) 458 8345
	Facsimile	(506) 459 6206