

# 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 thru 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	7'10"
Dock Height (measurement is with docking plate level)	34"
Docking Plate Width	20'-0"
Docking Plate Maximum Height	29'-6"
Docking Plate Minimum Height	5'-6"
Stage Door Width	3'-5"
Stage Door Height	6'-10"

## THE STAGE

Stage Dimensions	
Maximum Proscenium Opening width	40'-0"
Minimum Proscenium Opening width	34'-0"
Maximum Proscenium Opening height	24'-0"
Minimum Proscenium Opening height	20'-0"
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"
Main Curtain to #2 Traveler	26'-0"
#1 Traveler to #2 Traveler	17'-0"
Typical Opening, Downstage Legs	36'-0"

The stage floor is High Density Fiber Board, painted flat black.

## THE FLY SYSTEM

The Playhouse fly system is a manually operated double-purchase line set system. Forty-two 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	
Arbour	1500 lbs.
Scenery Pipe	750 lbs.
Lighting Pipe	600 lbs.

Pipe Length	
Maximum	50'-0"
Minimum	42'-0"
	50'-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 0% fullness	49'-10"	10'-0"
1 Black Drape 0% fullness	50'-0"	29'-6"
2 x Black Drapes 0% fullness	26'-6"	29'-6"
Cyclorama (natural muslin)	40'-0"	30'-0"
Black Scrim	40'-0"	30'-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 ETC console is located in the projection booth; controlling 192 Strand CD80, 2.4kW AMX dimmers, using a Pathways DMX to AMX converter.

An Express 72/144 console is Available as well; this console has 240 channels. Features include; preset-style operation, 600 cues, 500 groups, X/Y trackpad controller, moving light patch, preset focus, ten pages of 24 submasters, 72 channel two-scene operation or 144 channel single-scene operation

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, floor pads, c-clamps and plug adapters. Filter media selection includes most of the Rosco catalogue, and a small selection of Lee colours. We also stock a variety of gobo patterns. Barn doors are available for 18 Fresnels. 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 above the centre of the auditorium. Building structural design limits the throw of these lamps to about 26' upstage at a platform height of 4'-6" and to Row D 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	Bulb	Count
ETC Source 4 Zoom	15-30° zoom	750w	26
ETC Source 4 Zoom	25-50° zoom	750w	8
ETC Source 4	50°	750w	20
ETC Source 4	36°	750w	38
ETC Source 4	26°	750w	16
ETC Source 4	19°	750w	20
ETC Source 4	Par	750w	24
ETC Source 4 Par Lens Kit			24
Strand Fresnel	6"	1Kw	33
CCT Cyc strip	3 circuit	1kW	6
Strand Coda ground row	4 circuit	500 W	6
ETC Source 4 - Tubes	19°		14
Gobo Holder	ETC Source 4		20
Iris Kit	ETC Source 4		15
Martin Moving Heads	Mac 350		6
Martin Moving Heads	Mac 700		8
Moving Mirror	Rosco Icue		5

## 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 D1 live digital console is located at the back of the Auditorium for the FOH mix position. This console is capable of 48 channels sends with 8 returns at the stage and 8 channel sends and 8 returns at the console position. The Digico D1 has onboard gate and compression channel for channel, 12 onboard 31 band EQ's, full tap delay and 2 multi effects processors and a dedicated reverb processor.

Upon request, for a fee, a Soundcraft MH4 40 Channel console is also available for the FOH mix position at the back of the Auditorium. This console is capable of providing 12 auxiliary returns, 3 of which are used for effects and 5 of which are monitor sends, if mixed from FOH. Each individual monitor mix is equalized through 2 Ashley GQX 3102 and 2 dbx 1231 31-band graphic equalizer; these EQ's are located on stage.

Upon request, an additional mixing console can be provided for a Monitor mix position. This console is a Soundcraft SM20 40-channel console; it can be located on either side of the stage and can provide you with 40-channels, 9 mix's, with a listening wedge.

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.

## Microphones

6 x Shure Beta 58A - Vox	2 x AKG 414 – Condenser Mic
4 x Sennheiser 865 - Vox	5 x AKG 391 - Condenser Mic
6 x Shure Beta 57A - Instrument	4 x Neumann - K184
6 x Shure Beta 98 - Perc.	8 x AKG HM 1000 - Choir Mics
1 x Shure Beta 52 - Kick mic	2 x Sennheiser 421
11 x Shure UHF-R Dual Wireless Receiver's	2 x C-Ducer Mic
7 x Shure UR2/Beta 58 Wireless Hand Held's	1 x Crown PCC
4 x Shure KSM 9 Capsules	7 x BSS AR-133 Active DI
22 x Shure UR1 Wireless Body pack	6 x Rapco DB-101 SL Passive DI
16 x Countryman E6 Head Mic .	2 x Crown PZM
22 x Shure WA302 - 1/4" instrument cable	3 x Shure Lavalier
2 x EV PC 18 - Podium Mic	

## Stands

17 x K&M 210/6 Black Boom Stands

12 x K&M 259 Black Short Boom Stands

4 x straight round base



# THE SOUND SYSTEM

## Processing FOH (for Soundcraft MH4)

- 1 x TC Electronic D-2 Delay
- 2 x TC Electronic M-One FX
- 1 x Drawmer DS-404 Quad Gate
- 1 x Drawmer DL-441 Quad Compressor/Limiter
- 2 x DN 360 Klark Teknik 31 band EQ's
- 2 x Focusrite Platinum Compressor

- 1 x Furman PL Plus Power Conditioner

## Playback

- 1 x Denon DN-T620 CD/Cassette Combo
- 1 x Denon DN-C550R Dual CD-RW
- 1 x Furman PL Plus Power Conditioner

## FOH Speakers

- 4 –Meyer CQ-2's, 2 per side, one for Balcony and one for Orchestra
- 2 – Meyer UPA-2P and 1 Meyer UPA -1P, Centre Cluster
- 2 – Meyer HP 700 Subs, one per side
- 3 – Meyer UPM-1P for front stage fills.

All Speakers are self powered and processed using Galileo loudspeaker management system.

## Monitors

## Console

A Soundcraft SM 20, 40-channel console can be located on either side of the stage and can provide you with 40-channels, 9 mix's, with a listening wedge.

## Wedges

For stage sound 7 mixes, 8 EV T221M wedge monitors and 1 EV SB180 Sub for drummer. With one wedge for listen

An additional 2 Meyer self powered UPA-1P's can be used for an additional mix position and we have 4 – Meyer USW-1P Double 15" subwoofer, that can be used with side fills or with a drum monitor mix.

## **Monitors Processing**

1 x Furman PL Plus Power Conditioner

1 x Behringer MDX4400 Quad Comp

1 x Behringer XR4400 Quad Gate

1 x Lexicon MXP-1

1 x EV AC1 Analog Crossover

2 x Ashly GQX3102 EQ

2 x dbx 1231 EQ's

## **Additional Monitor Processing**

If The Playhouse Digico Console is being used for FOH, then the FOH processing can be integrated into the Stage Monitoring system.

## **Amplification**

Monitors - Dynacord S1200, 280watts @8ohms, (up to 7 mixes)

## **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.

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 trap room beneath the stage can sometimes be available. For a substantial extra labour charge, the seats in Rows A-E house right can be removed. This is not recommended as the auditorium floor is raked and the seat bolts protrude.

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 12 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, although large pieces (up to 6x8') can be winched up from the shop through a trap in a storeroom next to the hall.

## PARKING

As there is major construction happening around the Playhouse till Mid 2011, parking at the Playhouse is limited. Please contact the Technical Director to discuss and arrange you're parking needs. There is no Shore power for buses.

## CONTACTS

Tim Yerxa	Director of the Playhouse	(506) 459 6203
Wendy Fullerton	Ticketing Information	(506) 459 6220
Jeffery Fevens	Technical Director	(506) 459 6208
Judy Joe	Head Technician	(506) 459 6228
	Administration	(506) 458 8345
	Facsimile	(506) 459 6206