

# 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  | 9'-11.5"  |
| Dock Height<br>(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" |
| Maximum Proscenium Opening height | 21'-0" |
| Minimum 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 |           |
|--------------------------|-----------|
| Arbor                    | 1200 lbs. |
| Scenery Pipe             | 600 lbs.  |
| Lighting Pipe            | 500 lbs.  |

| Pipe Length |        |
|-------------|--------|
| Maximum     | 50'-0" |
| Minimum     | 42'-0" |

|                       |        |
|-----------------------|--------|
| Maximum Flying Height | 55'-0" |
|-----------------------|--------|

| Dimensions: Fly Goods         |         |        |
|-------------------------------|---------|--------|
| Item                          | Width   | Height |
| Main Curtain<br>300% fullness | 50'-0"  | 29'-6" |
| 2 x Traveler<br>75% fullness  | 50'-0"  | 29'-6" |
| 5 x pair Legs<br>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<br>(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 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, floor pads, 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. Barn doors are available for 18 Fresnel's. 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          | 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 | 21    |
| ETC Source 4              | 26°           | 750w | 27    |
| ETC Source 4              | 19°           | 750w | 21    |
| ETC Source 4              | Par           | 750w | 24    |
| ETC Source 4 Par Lens Kit | VN/N/MFL/WFL  |      | 24    |
| ETC Source 4 - Tubes      | 36°           |      | 1     |
| ETC Source 4 - Tubes      | 26°           |      | 6     |
| ETC Source 4 - Tubes      | 19°           |      | 5     |
| Strand Fresnel            | 6"            | 1Kw  | 33    |
| CCT Cyc strip             | 3 circuit     | 1kW  | 8     |
| Colorforce LED Strip      | Chroma-Q 48"  |      | 10    |
| Gobo Holder               | ETC Source 4  |      | 20    |
| Iris Kit                  | ETC Source 4  |      | 15    |
| DMX Iris Kit              | City Theatric |      | 5     |
| Martin Moving Heads       | Mac 350       |      | 6     |
| Martin Moving Heads       | Mac 700       |      | 8     |
| Martin Moving head        | Mac Aura      |      | 9     |
| Moving Mirror             | Rosco I-cue   |      | 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 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                          | SD10                          | 1          |
| Backup power supply          | APC                           | 1          |
| Monitor                      | Digico D1 Live                | 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<br>(Double 15's) | 2          |
| Power Amplifier              | d&b D20<br>(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     | 2     |
| 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    |

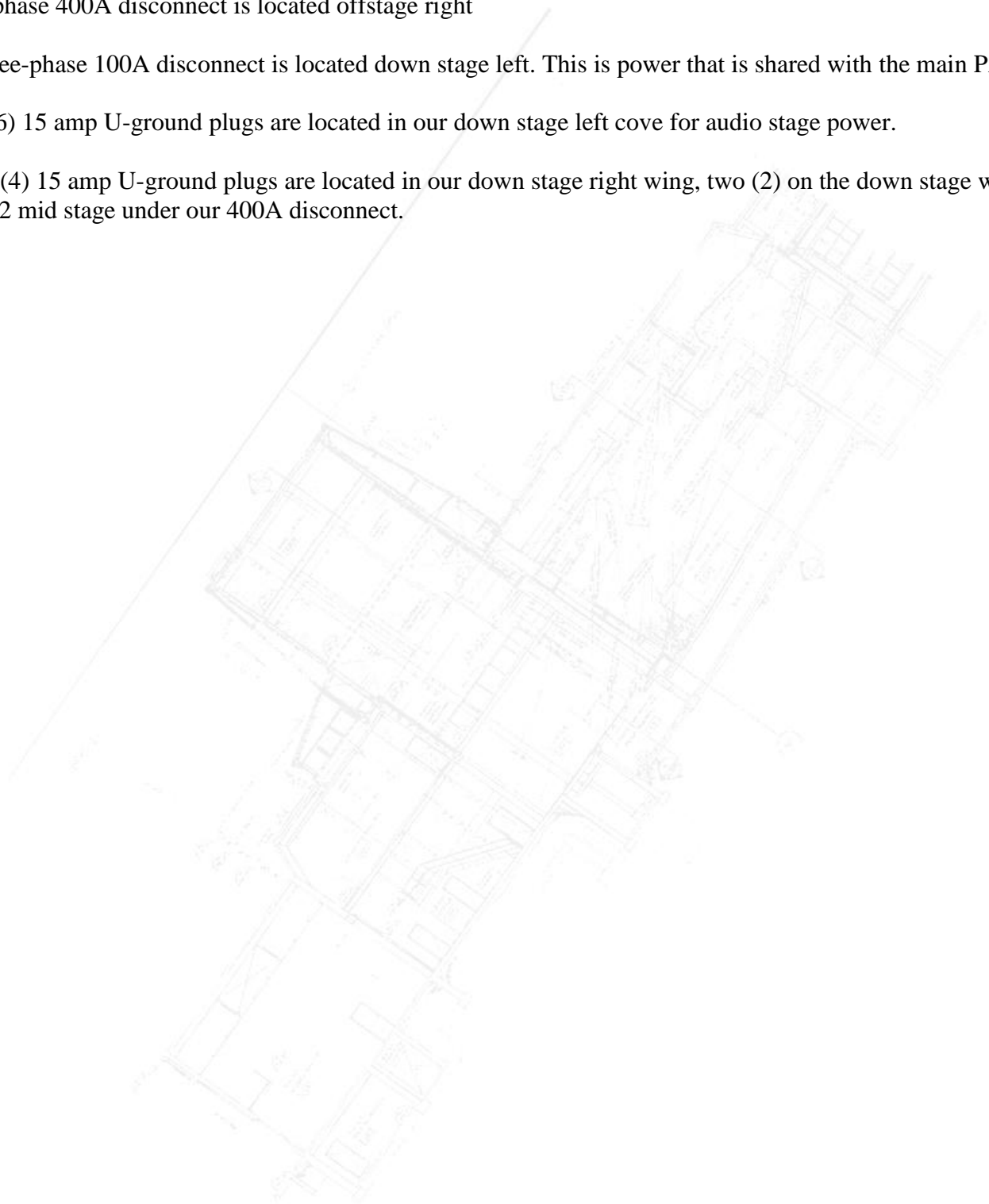
## STAGE POWER

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 |