

# Technical Specifications

## Theatre

---

| <b><u>Table of Contents</u></b> |                                   | Page |
|---------------------------------|-----------------------------------|------|
| 1. General Information          | 1.1. Seating Capacity             | 2    |
|                                 | 1.2. Equipment Set Up & Operation | 2    |
|                                 | 1.3. Electrical Safety            | 2    |
|                                 | 1.4. Power Supply                 | 2    |
| 2. Audio                        | 2.1. Mixing Console               | 2    |
|                                 | 2.2. Playback                     | 2    |
|                                 | 2.3. Standard Rig                 | 2    |
|                                 | 2.4. Microphones                  | 3    |
|                                 | 2.5. Communications               | 3    |
|                                 | 2.6. Relay System                 | 3    |
| 3. Video                        | 3.1. Projector                    | 3    |
| 4. Lighting                     | 4.1. Production Lighting          | 3    |
|                                 | 4.2. Data Distribution            | 3    |
|                                 | 4.3. Lighting Console             | 3    |
|                                 | 4.4. House Lights                 | 4    |
|                                 | 4.5. Dimmers                      | 4    |
|                                 | 4.6. Effects                      | 4    |
|                                 | 4.7. Standard Rig                 | 4    |
|                                 | 4.8. Gobos & Colour Gels          | 4    |
| 5. Staging                      | 5.1. Loading Area                 | 4    |
|                                 | 5.2. Stage Specifications         | 4    |
|                                 | 5.2.1. Proscenium Opening         | 4    |
|                                 | 5.2.2. Stage Floor                | 5    |
|                                 | 5.2.3. Main Stage & Apron         | 5    |
|                                 | 5.2.4. Width From Centreline      | 5    |
|                                 | 5.2.5. Wing Space                 | 5    |
|                                 | 5.3. Rigging Specifications       | 5    |
|                                 | 5.3.1 Fly Linesets                | 5    |
|                                 | 5.4. Gala Lift                    | 5    |
| 5.5. Draperies                  | 6                                 |      |
| 5.6. Dance Mats                 | 6                                 |      |
| 5.7. Riser Platform             | 6                                 |      |
| 6. Other Information            | 6.1. Production & Dressing Rooms  | 6    |

# Technical Specifications

## Theatre

---

### **1. General Information:**

#### **1.1. Seating Capacity**

|                          |                                   |
|--------------------------|-----------------------------------|
| Total Seating Capacity:  | 922 seats (including house seats) |
| Stall Seating Capacity:  | 527 seats (including house seats) |
| Circle Seating Capacity: | 395 seats                         |
| Wheelchair Space:        | 6 Wheelchairs (3 on each side)    |
| - House Left:            | B5, E3 & E4                       |
| - House Right:           | B26, E27 & E28                    |

#### **1.2. Equipment Set Up & Operation**

All in-house equipment, including consoles, will be operated by Gateway Theatre staff. Concessions to this practice may be granted, under special circumstances, through prior consultation. Charges may apply to equipment set up and operation.

#### **1.3. Electrical Safety**

All electrical equipment brought on site is expected to conform to local codes, be of good quality and good repair. Dubious equipment may be subjected to an Electrical Safety Test and Gateway Theatre reserves the right to disallow its use.

#### **1.4. Power Supply**

|                                      |   |
|--------------------------------------|---|
| Local Power Supply:                  | 230 volt single phase                     |
| Standard overhead fixture connector: | 32 amp three phase<br>16 amp single phase |
| Standard household connector:        | 13 amp                                    |

*Note: All equipment which are brought in by Hirers MUST be used together with MELCB - 13 AMP*

### **2. Audio:**

#### **2.1. Mixing Console**

Allen & Heath DLive S7000 with 64 Input Channels (FOH)

#### **2.2. Playback**

|                                      |                   |
|--------------------------------------|-------------------|
| Radial J48 Stereo DI Box (3.5mm)     | Level 2 FOH Booth |
| Radial USB Pro Stereo DI Box (USB-A) |                   |

*Note: One compatible DI box will be used for the playback device. Please check with Production Coordinator if more than one playback source is required.*

#### **2.3. Standard Rig**

|   |                                      |
|---|--------------------------------------|
| JBL VTX A8 Line Array Loudspeakers      | Proscenium Left & Right, 14 per side |
| JBL VTX B18 Subwoofers                  | Proscenium Left & Right, 4 per side  |
| JBL VRX928LA front-fill Loudspeakers    | Recessed into proscenium & apron     |
| JBL VRX928LA-WH delay speakers          | Ceiling mounted                      |
| EAW Redline15 Speakers (Stage Monitors) | Flown at stage wings*, 4 per side    |

*\* Additional floor monitors may be set up as required, please check with Production Coordinator*

*Note: All expenses related to modifying, removing and/or restoring the House Rig, where possible, are to be borne by the hirer. Please check with Production Coordinator for more information.*

# Technical Specifications

## Theatre

---

### 2.4. Microphones\*

|   |   |
|---|---|
| Shure AXT200 wireless Handheld microphones with Beta 58A/ Beta 87A Capsule                          | 6 |
| Shure AXT100 Wireless Bodypack Transmitter with TH53T/ O-MTQG, omnidirectional head-worn microphone | 6 |

*Note: The total number of wireless Handheld and Head-worn microphones that can be used at any one time is **10** units. Please discuss with the Production Coordinator if there are additional requirements/ requests.*

*Gateway Theatre also has additional units of various microphones and transducers, which may be requested. Units requested are subject to availability. Do check with your Production Coordinator for more information.*

### 2.5. Communication

|   |   |
|---|---|
| ClearCom Freespeak II Wireless Intercom | 8 |
|---|---|

### 2.6. Relay System

|   |                                      |
|---|--------------------------------------|
| Audio Show Relay – dressing rooms, lift lobby, foyer (where applicable) | B1 dressing rooms, lift lobby, foyer |
|---|--------------------------------------|

*Please check with Production Coordinator for more information.*

## 3. Video\*:

### 3.1. Projector

|                                  |                   |
|----------------------------------|-------------------|
| Panasonic 4K DLP Laser Projector | Level 2 FOH Booth |
| - 3840 x 2400 pixels             |                   |
| - 30.5K Lumens                   |                   |
| - HDMI playback connection       |                   |

*The recommended default resolution for videos/ graphics content is at least 1920 x 1080, with a 16:9 screen ratio. Hirers are to provide all content for video/ graphics and their own playback device to be connected via HDMI cable. If there are more than one input source, hirer will have to provide their own video switcher.*

## 4. Lighting:

### 4.1. Production Lighting

*Gateway Theatre has a range of Moving Heads, Conventional lighting and LED fixtures. Please refer to the latest lighting plan. This information is subject to change without prior notice. Hirers are urged to ensure they are in possession of the most recent documentation. Specific requirements must be verified on a show-to-show basis.*

### 4.2. Data Distribution

|            |               |
|------------|---------------|
| Interface: | DMX 512 & ACN |
|------------|---------------|

### 4.3. Lighting Console

|                |                   |
|----------------|-------------------|
| GrandMA2 Light | Level 2 FOH Booth |
|----------------|-------------------|

#### \* Rental & Manpower Charges May Apply

Please check with the Production Coordinator for the latest updates.

# Technical Specifications

## Theatre

---

#### 4.4. House Lights

General House Light (Dimmable): 5 default settings

#### 4.5. Dimmers

State Automation (SA): 400amp  
 Individual Dimmer: 3kw / 230V  
 Available Dimmers for Incoming Lighting Rig: 144

#### 4.6. Effects

Tour Hazer II "SF" Black Haze Machine 2  
 Smoke Factory Captain D Smoke Machine 1

#### 4.7. Standard Rig

*The Theatre has a pre-rigged Standard Lighting Rig. Modifications to the standard rig may incur additional costs. Please check with Production Coordinator for more information.*

| Fixture                              | Standard Rig |
|--------------------------------------|--------------|
| - FINE 800 SF followspot             | 3            |
| - Ayrton Ghibli LED Moving Spot      | 16           |
| - Martin Mac Aura XB LED Moving Wash | 16           |
| - FINE 600L LED Moving Spot          | 13           |
| - FINE 1537 Pixie LED Moving Wash    | 4            |
| - FINE 1514 Zoom LED Par             | 6            |
| - FINE 400FS LED Tungsten Fresnel    | 8            |
| - FINE 400T 36° LED Tungsten Leko    | 9            |
| - FINE 300C 26° LED RGBAL Leko       | 6            |
| - Robert Juliat 611 SX 11-26°        | 8            |

#### 4.8. Gobos & Colour Gels

*Gateway has a ready stock of gobos and color gels. Please check with the Production Coordinator for the latest Gobo stock and Colour Gel list. Changes may be made without prior notice.*

### 4. Staging:

#### 5.1. Loading Area

Loading dock Entrance Clear Height: 3.9m  
 Dock Height from Floor: 1m  
 Loading Dock Door Dimensions: 5m (L) x 3m (H)

#### 5.2. Stage Specifications

##### 5.2.1. Proscenium Opening

Proscenium Opening: 11m  
 Proscenium Height: 8m

# Technical Specifications

## Theatre

---

### 5.2.2. Stage Floor

|                         |                      |
|-------------------------|----------------------|
| Material:               | 50mm                 |
| Thickness:              | Marine Ply           |
| Loading of Stage Floor: | 5kN per square metre |

### 5.2.3. Main Stage & Apron

|                        |  |
|------------------------|--|
| Stage Dimension:       | 25.001m (W) x 10.905m (D)                                      |
| Main Performance Area: | 11m (W) x 9m (D) without apron<br>11m (W) x 11m (D) with apron |

*There may be slight changes from Mar 2023. Please check with Production Coordinator for updates.*

### 5.2.4. Width from Centreline

|  |               |
|--|---------------|
| Centreline Onstage to Side Stage Wall Left:  | Approx. 12m   |
| Centreline Onstage to Side Stage Wall Right: | Approx. 11.5m |

### 5.2.5. Wing Space

|              |              |
|--------------|--------------|
| Stage Left:  | 5.93m, 4.16m |
| Stage Right: | 5.50m, 4.11m |

## 5.3. Rigging Specifications

### 5.3.1. Fly Linesets

|                     |   |
|---------------------|---|
| Control System:     | SBS Nordec (Stage Right & Grid)             |
| Quantity:           | 33 scene bars                               |
| Length of bar:      | 14m   |
| SWL per bar:        | 500kg (uniformly distributed)               |
| Speed:              | Variable, in 3 steps. Max step 3: 1.2m/sec. |
| Maximum Fly Height: | 16m   |
| - Side Ladder Bars  | 1 per side (Bar 34 & 35)                    |
| - Advance Bar       | 1 in front of proscenium (Bar 36)           |
| - MCV/TCV           | House Curtain (Between Bar 1 & 2) Traverse  |

*Note: Suspension of any equipment other than in-house stock is subject to prior approval.  
Please check with Production Coordinator for more information.*

### 5.4. Gala Lift

|                            |   |
|----------------------------|---|
| Location:                  | Upstage Center  |
| SWL                        | 500KG   |
| Control Location           | Stage Right   |
| Basement to stage level    | 3.60m   |
| Speed of move              | 3m/min<br>(Time required to move between basement & stage level: 1 min 54s) |
| Size of Gala lift platform | 3m(W) x 2.5m(D)<br>(If LED wall is raised, depth will be full 3m)           |

*Note: additional manpower costs may be incurred for the operation of gala lift; please discuss with Production Coordinator.*

# Technical Specifications

## Theatre

### 5.5. Draperies

| <u>Item</u>            | <u>Dimensions</u><br>(Width x Drop) | <u>Colour</u>    | <u>Description</u>   | <u>Quantity</u> |
|------------------------|-------------------------------------|------------------|--|-----------------|
| House Curtain          | 7.5m x 8.2m                         | Black            | Velvet Velour<br>(50% fullness)                              | 1 set           |
| House Border           | 14m x 8.85m                         | Black            | Wool Serge   | 1               |
| Border                 | 14.1m x 6m                          | Black            | Wool Serge   | 4               |
| Legs                   | 1.8m x 8.6m                         | Black            | Wool Serge   | 10              |
| Full Black             | 14.1m x 8.2m                        | Black            | Wool Serge   | 1               |
| CYC                    | 14.1m x 8.2m                        | White            | 100% PVC<br><i>*may be used as projector screen</i>          | 1               |
| Black /<br>White Gauze | 14.1m x 8.2m                        | Black /<br>White | Sharkstooth Gauze<br><i>*may be used as projector screen</i> | 1 each          |
| Traveller              | 7.5 x 8.65m                         | Black            | Wool Serge   | 1               |

### 5.6. Dance Mats \*

Harlequin DUO Plus (Black) 14m (L) x 2m (W) per roll

### 5.7. Riser Platform \*

Nivoflex Platform 20 (subject to availability)  
 Surface Dimension: 2000mm (L) x 1000mm (D)  
 Surface Material: Plywood  
 Overlay: Carpeted Dark Grey  
 Platform Height (Adjustable): 150mm, 400mm, 600mm, 800mm

## 6. Other Information:

### 6.1. Production & Dressing Rooms (Basement, from Stage Right to Stage Left)

Production Room 5090mm (L) x 2890mm (W) x 2590mm (H)  
 Dressing Room 3 3860mm (L) x 4630mm (W) x 2600mm (H)  
 - Furnished with 16 lockers; each locker is 30mm (W) x 320mm (D) x 460mm (H)  
 Green Room 3050mm (L) x 4520mm (W) x 2610mm (H)  
 Dressing Room 1 2920mm (L) x 2200mm (W) x 2550mm (H)  
 - With attached toilet and shower room  
 Dressing Room 2 2920mm (L) x 2340mm (W) x 2600mm (H)  
 - With attached toilet  
 Dressing Room 4 2260mm (L) x 4070mm (W) x 2600mm (H)  
 - Furnished with 8 lockers; each locker is 280mm (W) x 270mm (D) x 460mm (H)  
 - Furnished with 4 shelves; each shelf is 560mm (W) x 290mm (D) x 410mm (H)  
 Dressing Room 5 3500mm (L) x 4630mm (W) x 2590mm (H)  
 - Furnished with 16 lockers; each locker is 30mm (W) x 320mm (D) x 460mm (H)

#### \* Rental & Manpower Charges May Apply

Please check with the Production Coordinator for the latest updates.