

# Wharf Theatre – Technical Layout

## Background

This document describes the technical layout of the Wharf Theatre Devizes.

## Lighting

### Control

The stage lighting control is based on 6 Strand Tempus lighting racks (36 channels) and a Zero 88 Jester48 ml lighting desk. The desk can control up to 48 channels through faders and up to 30 fixtures. The manual can be downloaded at - <http://zero88.com/manuals/jesterm1%20manual%203.0.pdf> . The desk supplies a DMX input to a Zero 88 demux 48 unit. This converts the desks DMX signal to analogue control signals to drive the Tempus racks. The DMX addresses are mapped linearly from 1 to 36 to the Tempus racks.

### Lanterns

The current lantern stock consists of:

- Qty 2 1kW Selecon Compact Fresnel
- Qty 2 500W Selecon Acclaim Fresnel (mk1)
- Qty 3 500W Selecon Acclaim Fresnel (mk2)
- Qty 13 500W CCT Minuette Fresnel
  
- Qty 2 500W Selecon Acclaim PC (mk1)
  
- Qty 2 500W Selecon Acclaim Zoomspot profile 18 - 34
- Qty 2 500W Selecon Acclaim Zoomspot profile 24 - 44
- Qty 2 500W Strand Prelude profiles (missing shutters - okay for gobos)
- Qty 2 500W CCT Minuette profile (no shutters)
  
- Qty 2 300W Strand Flood
  
- Qty 3 Par 64
- Qty 1 Par 56

The theatre also has a projector for projection on the back wall. This is a number of input sources, please ask for further details. The default input is from a laptop via a VGA cable.

## Rigging Positions

Rigging of lanterns is on an overhead grid of pre-wired lighting bars and supporting scaffold. The layout is shown in the following diagram. A plug patch arrangement allows any socket to be connected to any of the dimmer channels.

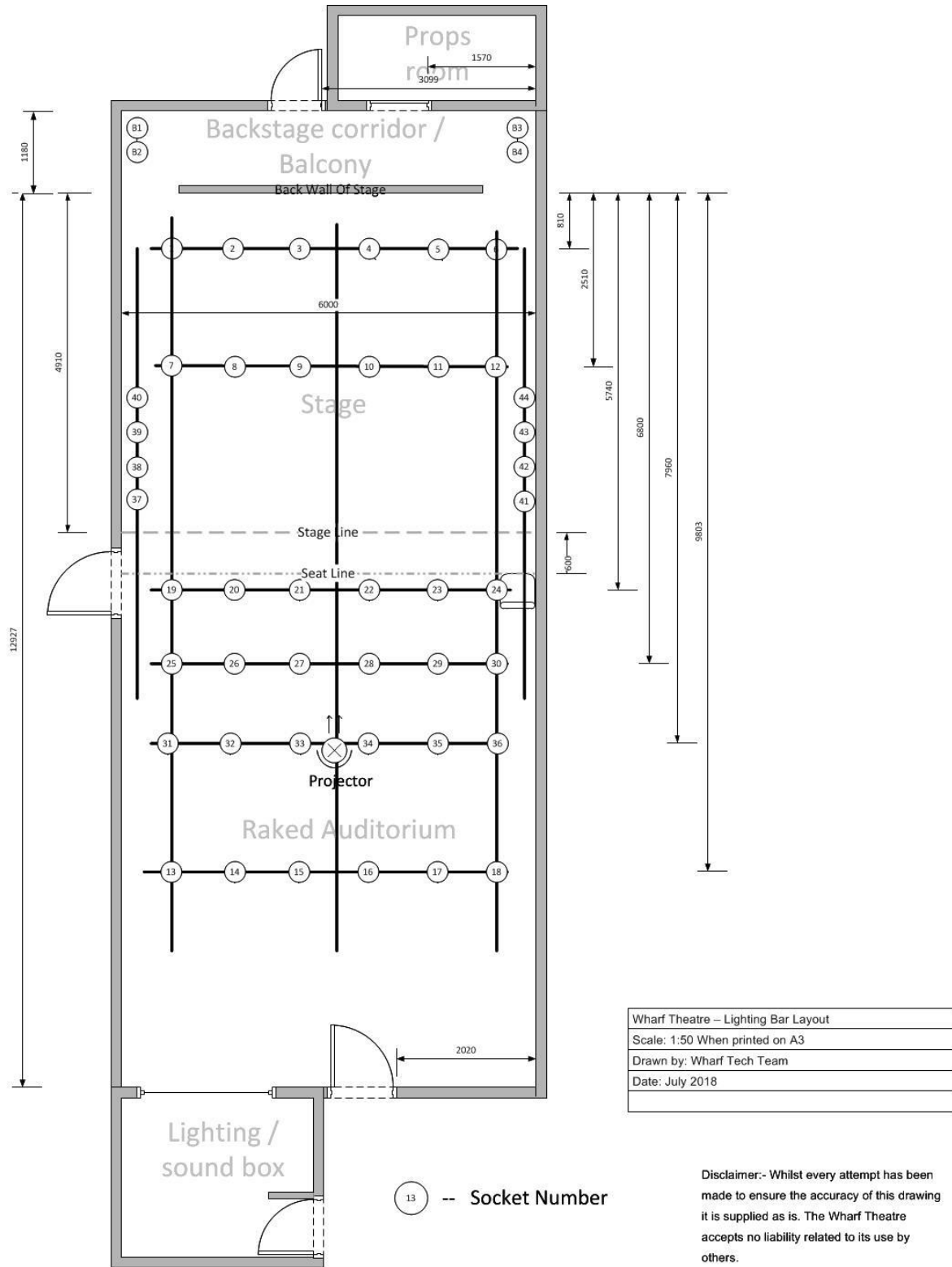
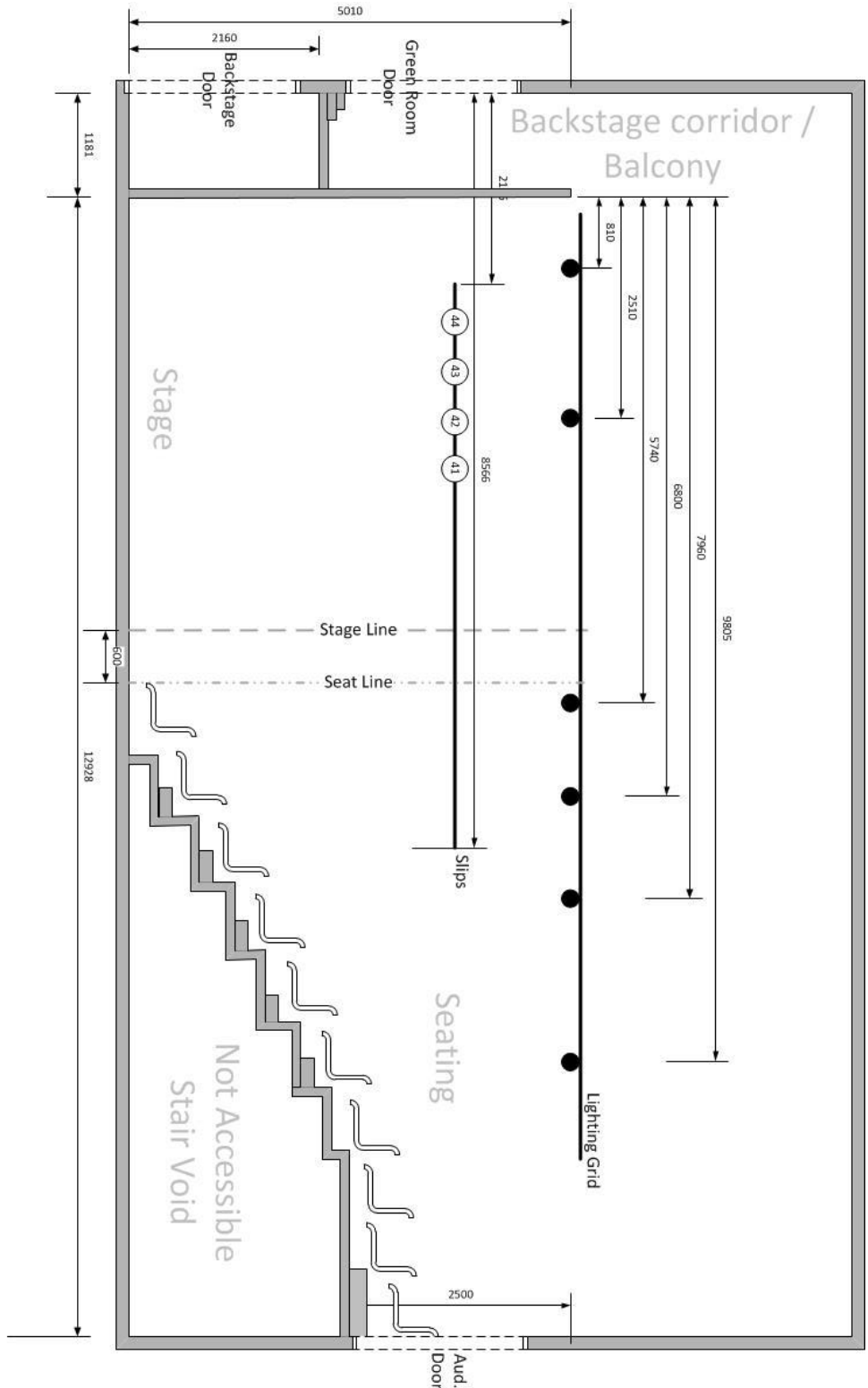


Figure 1 – Auditorium plan



Wharf Theatre – Stage section
Scale: 1:50 When printed on A3
Drawn by: Wharf Tech Team
Date: July 2018
Dimensions in mm

Disclaimer:- Whilst every attempt has been made to ensure the accuracy of this drawing it is supplied as is. The Wharf Theatre accepts no liability related to its use by others.

Figure 2 – Auditorium section (up to lighting grid)

## Sound

### Control

The theatre's sound system comprises a Behringer PMP4000 powered mixing desk (16-channel mixer with 8 mono and 4 stereo channels) connected to a pair of Tannoy Front of House (FOH) speakers. This supports various input sources such as laptops, musical instruments and microphones.

### Sources

In-house input sources are a CD player and a desktop computer running CSC Show control software, version 3.3. Manuals are available at:

<http://www.ctreelectronics.co.uk/pdfs/CSC3-Quick-Start.pdf>

<http://www.ctreelectronics.co.uk/pdfs/CSC3-User-Guide.pdf>

CSC uses a series of supplied audio files (.wav or .mp3 preferred) for show playback. The computer system runs Windows 10. A welcome message can be provided.

The theatre has two hand held microphones with stands.

## Effects and Props

The theatre has the following effects for hire.

- Qty 2 Chauvet DJ shadow 3 UV panels (DMX or preset control)
- Qty 1 Smoke machine (DMX, manual or remote control)
- Qty 1 Bubble machine
- Qty 1 Mirror ball
- Qty 1 Coloured up-smoker (uses coloured LEDs to colour jet of smoke)

## Monitoring and Communications

The theatre has a show and camera relay system that provides real time audio and video of the stage area to backstage areas and the control room.

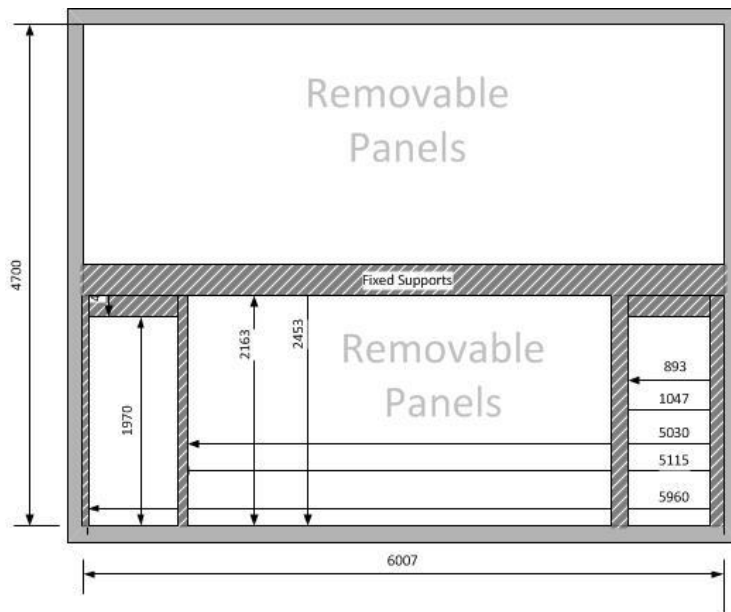
The theatre also has a hard wired headset communications system between the control box and the props room.

## Hearing Loop

The theatre has a hearing loop installed in the auditorium.

## Stage

The stage area is shown in the plan and section above. The back wall of the stage has removable panels set in a fixed frame as shown below. In its default configuration all the panels are installed leaving an entrance either side of stage. The stage walls and floor are painted black by default.



Door access each side can be filled in if required.

Wharf Theatre – Back Wall of Stage
Scale: 1:50 When printed on A3
Drawn by: Wharf Tech Team
Date: July 2018
Dimensions in mm

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Figure 3 – Stage Back Wall

The stage and back wall as seen from the first row of seating, at stage floor level, is pictured below.

