**Projection Placement Plan**

**EDance19**

**Version 3.0**

**Venue:** Garden Theatre

**Drawn By:** Isaac Stevenson

**Designed By:** Isaac Stevenson

**Current as of:** 10/6/19

**Scale:** 1:100

**Sheet:** 1 of 1

**@** A3

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**[Projection Location]**

- **Bio Box:** Projector: Panasonic PT-DZ21K
- **Lens:** Panasonic ET-D75LE30
- **Input:** SDI/Cat 5

**[Projection Distance]**

- **Projection Distance:** 29100mm
- **Distance of CL:** 1000mm

**[Brightness]**

- **Brightness:** 20,000 Lumens
- **Contrast:** 1000:1
- **[Zoom required for surface]**
  - 22.96 degrees

**[Projector Specs]**

- **Native Aspect Ratio:** 16:10
- **Resolution:** 1920 pixels x 1200 pixels
- **Throw Ratio:** 2.40:1 - 4.70:1

**[Projection Surface]**

- **Cyclorama:** 14000mm W x 7500mm H
- **Throw Distance:** 11500mm Wide X 7190mm High

**[Custom Surface]**

- **Pixel Pitch:** 5.99
- **Custom surface:** 11500mm Wide X 2000mm High
- **Custom Surface Resolution for:** 1920 pixels X 333 pixels

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*SUBJECT TO CHANGE*
EDance19

Projector Section

Version 3.0

Drawn By: Isaac Stevenson
Designed By: Isaac Stevenson
Venue: Gardens Theatre

Current as of 10/6/19
Scale 1:100
Sheet 1 of 1

*SUBJECT TO CHANGE*

Projector Location
- Bio Box
- Projectors: Panasonic PT-DZ21K
- Lens: Panasonic ET-D75LE30
- Input: SDI/Cat 5

[Projection Distance]
- Projection Distance: 29100mm
- Distance from CL: 1000mm

[Brightness]
- Brightness: 20,000 Lumens
- Contrast: 10000:1
- [Zoom required for surface] 22.96 degrees

[Projector Specs]
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- Resolution: 1920 pixels x 1200 pixels
- Throw Ratio: 2.40:1 - 4.70:1

[Projection Surface]
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- Projector size over 29100mm Throw Distance: 11500mm Wide X 7190mm High

[Custom Surface]
- Pixel Pitch = 5.99
- Custom Surface = 11500mm Wide X 2000mm High
- Custom Surface Resolution for = 1920 pixels X 333 pixels

Vectorworks Educational Version
**EDance19**

**Projector Profile**

**Version 3.0**

**Venue:** Gardens Theatre

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  - Projectors: Panasonic PT-DZ21K
  - Lenses: Panasonic ET-D75LE30
  - Input: SDI/Cat 5

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  - Distance of CL: 1000mm

- **Brightness**
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---

**Drawn By:** Isaac Stevenson

**Designed By:** Isaac Stevenson

**Venue:** Gardens Theatre

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*SUBJECT TO CHANGE*
### Vision Cue Synopsis, Version 0.0

<table>
<thead>
<tr>
<th>Piece</th>
<th>Time</th>
<th>Cue</th>
<th>Description</th>
<th>Cue Point</th>
<th>Content</th>
<th>Projection Surface</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kairekai</td>
<td>N/A</td>
<td>1</td>
<td>Start Projection Group</td>
<td>2nd Pulse of Music</td>
<td>N/A</td>
<td>Cyclorama</td>
<td>Starts Cues 1.1 and 1.2 simultaneously</td>
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<tr>
<td>Kairekai</td>
<td>0</td>
<td>1.1</td>
<td>Projection Video</td>
<td>Starts with Cue 1</td>
<td>190603</td>
<td>Cyclorama</td>
<td></td>
</tr>
<tr>
<td>Kairekai</td>
<td>10</td>
<td>1.2</td>
<td>Fade In Projection Video</td>
<td>Starts with Cue 1</td>
<td>N/A</td>
<td>Cyclorama</td>
<td></td>
</tr>
<tr>
<td>Kairekai</td>
<td>N/A</td>
<td>2</td>
<td>Devamp Projection</td>
<td>Second dancer enters PS</td>
<td>N/A</td>
<td>Cyclorama</td>
<td></td>
</tr>
<tr>
<td>Kairekai</td>
<td>N/A</td>
<td>3</td>
<td>Devamp Projection</td>
<td>Third dancer enters PS</td>
<td>N/A</td>
<td>Cyclorama</td>
<td></td>
</tr>
<tr>
<td>Kairekai</td>
<td>10</td>
<td>4</td>
<td>Fade Out Projection</td>
<td>Last Dancer exits USPS With LXQ39</td>
<td>N/A</td>
<td>Cyclorama</td>
<td></td>
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<tr>
<td>Kairekai</td>
<td>3</td>
<td>5</td>
<td>Fade In Projection</td>
<td>With LXQ 40</td>
<td>N/A</td>
<td>Cyclorama</td>
<td></td>
</tr>
<tr>
<td>Kairekai</td>
<td>2</td>
<td>6</td>
<td>Fade Out and Stop Projection</td>
<td>With LXQ 41</td>
<td>N/A</td>
<td>Cyclorama</td>
<td></td>
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<tr>
<td>Number</td>
<td>Equipment Type</td>
<td>Network Switch</td>
<td>IP Address</td>
<td>Subnet Mask</td>
<td>Notes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------</td>
<td>----------------------------</td>
<td>---------------</td>
<td>---------------</td>
<td>----------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AV Control Network Switch</td>
<td>N/A</td>
<td>192.168.1.101</td>
<td>255.255.255.0</td>
<td>Venue Standard Network Switch DHCP Assigned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Mac Pro</td>
<td>AV Control Network Switch</td>
<td>192.168.1.26</td>
<td>255.255.255.0</td>
<td>DHCP Assigned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Panasonic DZ21K Projector</td>
<td>AV Control Network Switch</td>
<td>192.168.1.12</td>
<td>255.255.255.0</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Production Desk Network Switch</td>
<td>AV Control Network Switch</td>
<td>192.168.1.12</td>
<td>255.255.255.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Vision Designer Laptop</td>
<td>Production Desk Network Switch</td>
<td>192.168.1.139</td>
<td>255.255.255.0</td>
<td>DHCP Assigned</td>
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<td></td>
</tr>
</tbody>
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# Z9 ELC Collections List, Version 3.0

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Equipment</th>
<th>Hire Location/Person</th>
<th>Venue</th>
<th>Collection Date</th>
<th>Return Date</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vision</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Mac Pro (w/DVS, Decklink Quad 1 &amp; QLab 4)</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td>☒ Password to admin account is required for screen sharing. Check that at least 2 DIN21 to SDI Cables are included.</td>
</tr>
<tr>
<td>1</td>
<td>Cisco SG200-10FP network switch</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Black Magic SDI to HDMI Mini Converter</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td></td>
</tr>
<tr>
<td><strong>Sound</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Playback Mac Mini</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td>☒ Password to admin account is required for screen sharing.</td>
</tr>
<tr>
<td>1</td>
<td>Black Magic BiDirectional SDI/HDMI Micro Converter</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td></td>
</tr>
<tr>
<td><strong>Archive</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Archival Mac Mini</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td>☒ Keyboard and Mouse</td>
</tr>
<tr>
<td>1</td>
<td>BMD Micro Studio Camera 4K</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Tripods</td>
<td>Hub ELC (Z9 ELC Cage)</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Mic Stands</td>
<td>Hub ELC (Z9 ELC Cage)</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>☒ 10/6/19</td>
<td></td>
</tr>
</tbody>
</table>

*SUBJECT TO CHANGE*
<table>
<thead>
<tr>
<th>Quantity</th>
<th>Equipment</th>
<th>Hire Location/Person</th>
<th>Venue</th>
<th>Collection Date</th>
<th>Return Date</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Sony 53 Video Cameras</td>
<td>Hub ELC (Z9 ELC Cage)</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>X</td>
<td>10/6/19</td>
</tr>
<tr>
<td>1</td>
<td>H6 Zoom Kit</td>
<td>Hub ELC (Z9 ELC Cage)</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>X</td>
<td>10/6/19</td>
</tr>
<tr>
<td>2</td>
<td>Magic Arm</td>
<td>Hub ELC (Z9 ELC Cage)</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>X</td>
<td>10/6/19</td>
</tr>
<tr>
<td>1</td>
<td>Cannon 700D Camera</td>
<td>Hub ELC (Z9 ELC Cage)</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>X</td>
<td>10/6/19</td>
</tr>
<tr>
<td>1</td>
<td>RODE NT5 Matched Pair</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>X</td>
<td>10/6/19</td>
</tr>
<tr>
<td>1</td>
<td>Small Vision Mixer Kit</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>X</td>
<td>10/6/19</td>
</tr>
<tr>
<td></td>
<td>General</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Dell 24” HDMI, DP, MiniDP Monitor</td>
<td>Z9 Level 1 Equipment Loans Centre</td>
<td>Gardens Theatre</td>
<td>20/5/19</td>
<td>X</td>
<td>10/6/19</td>
</tr>
</tbody>
</table>
Preshow

After the hour call starts, head up to the Bio box to start Vision and archive power up procedure

Powering up projector

Projector is located CS of the bio box next to the
Remove lens cap from the front of the projector, taking care not to bump the projector
Turn on the projector with the power switch at the front OP side of the projector

Powering up Mac Pro

Go to the Far OP side of the bio box to the Vision System Mac Pro
Turn on the Mac Pro and monitor at the power points in front of the Mac Pro
Next turn on the Mac Pro by turning on the switch on the PS side of the Mac Pro
Once the Mac Pro has powered on, log on to the Production User Account
Open the show file bundle labelled Vision QLab Show File_V6

Setting up Mac Pro Screen

Open the most recent version of the show file bundle labelled:
2019_QUTDancePerformance_EDance19_Vision QLab File_V7.0

Next Open chrome on the Mac Pro
Enter the 192.168.1.12 (Projector IP) to gain remote control of the projector from the Mac Pro
Log into the projector with
Username: admin1
Password: Panasonic
Set up the screen so that QLab file is on one half of the screen and the QLab file is on the other half of the screen
In the projector control:
Click on “Projector Control”
Click on “Power ON” to power on the projector
Once the projector is powered on, make sure the shutter is open and then begin setting up archive
Archive set up

Power up equipment in the Bio Box

- Power up the Sony 4K53 next to the archive desk and make sure that the Sony 4K53 has an SD card and at least 2 hours of recording time left.

- Power up the Go Pro at the Deputy Stage Managers table by pressing the power on button on the side of the Go Pro and make sure it has a Micro SD card and at least 2 hours of recording time left.

- Power up the Go Pro next to the Lighting Operators desk by pressing the power on button on the side of the Go Pro and make sure it has a Micro SD card and at least 2 hours of recording time left.

- Power up the Black Magic Camera next to the projector by turning it on. First turn on the white power point underneath the table then power on the vison mixer with the switch on the front. Make sure the vison mixer has an SD card and at least 2 hours of recording time left. Check that the camera is in focus on the monitor on top of the vision mixer.

- Power up the Zoom H6 below the Sound Operators Console and make sure it has a Micro SD card and at least 2 hours of recording time left.

If any of the cameras do not have an SD or Micro SD card, check in with the archive coordinators to see if they were taken home the previous performance.

Turning on Backstage Cameras

- Go to the camera on the USPS and power it on by turning it on at the wall and then by opening the camera. Once it has powered on, make sure it has an SD card and at least 2 hours of recording time left.

- Travel across stage to the USOP camera located above the Hazer USOP. A ladder will be needed to access this camera.

- Turn it on by turning the charger on at the wall then opening the camera up opening the screen. Once it has powered on, make sure it has an SD card and at least 2 hours of recording time left.

Check projector focus

- After the stage has been swept and mopped, ask the Head of Set to bring in the cydorama and legs to check projector focus.

- Once Cyc and legs are in, open settings in QLab and turn on the test grid pattern.

- Once then grid is up checking the following:
  1. The projector is in focus
  2. The projector beam is centred to the centre of stage
  3. The projector beam is not hitting any of the legs
If any of these three requirements are not filled, adjust the projector through the lens function in the projector control window.

**Starting archive recording**

Before turning anything on, inform everyone on comms that the archive equipment is being turned on.

**Bio box**

- Start the Black Magic by pressing the record button on the vison mixer. After having pressed the record button, make sure it is recording then go to the next piece of archive equipment.

- Before pressing the record button, make sure the camera is in night shot mode. This can be toggled by pressing the night mode button on the side of the camera. Start the vis op and Sound op camera next to the vison console by pressing by pressing the record button on the back of the camera. After having pressed the record button, make sure it is recording then go to the next piece of archive equipment.

- Start the Zoom H6 underneath the Sound Operators Console by pressing the record button. After having pressed the record button, make sure it is recording then go to the next piece of archive equipment.

- Start the Go Pros at the Deputy Stage Managers and Lighting Operators desk by pressing record button on top of the Go Pros. After having pressed the record button, make sure it is recording then go to the next piece of archive equipment.

**On Stage**

- Before pressing the record button, make sure the Sony 4K53 is in night shot mode. This can be toggled by pressing the night mode button on the side of the camera. Start the Backstage USOP above the hazer by pressing by pressing the record button on the back of the camera. A ladder will be needed to access this camera. After having pressed the record button, make sure it is recording then go to the next piece of archive equipment.

- Before pressing the record button, make sure the Sony 4K53 is in night shot mode. This can be toggled by pressing the night mode button on the side of the camera. Start the USPS Sony 4K53 at the back of PS backstage by pressing the record button on the back of the Sony 4K53. After having pressed the record button, make sure it is recording then go to the next piece of archive equipment.

**After the Head Electrician has finished Black Out Check**

- Have people on wired of wireless comms and in the following positions:
  - Head of Vison is in front of USPS Sony 4K53 backstage
  - General Crew 2 in front of USOP Sony 4K53 backstage
  - Sound Operator in front of black magic camera in the bio box
  - General Crew 1 centre stage
Head of sound at the Vision operator console with a copy of an archive time sheet

Once blackout check has been completed, make sure that everyone is in position and standing by, then tell the Head of Sound that they can start the archive announcement.

After the Head of Sound Says thank you, clap in front of the camera then head up to the bio box and get ready for the start of the show
During Show

**Piece 1: Isochronism**

Close the shutter the projector before the house comes out for the start of the piece

Make sure that the projector does not overheat (exceed 43 degrees Celsius) by watching the projector temperature on the projector control.

If the projector has exceeded 43 degrees Celsius. Make sure that On Screen display is “OFF”. If not, toggle this with “OSD OFF Button” Then place the projector in stand by pressing “Power STANDBY” Button in the projector control menu.

Open the shutter the projector after the house curtain has come in at the end of the piece

**Piece 2: Kairekai**

Leave the shutter open as the projector is used during this piece

Be on standby at the vison console in case anything goes wrong with the vision system during the piece

Respond to any standbys and GOs given by the Deputy Stage Manager during the piece

Leave the shutter open during interval so that the projector does not overheat

**Interval**

Remain at Vision Mac Pro and keep the projector shutter open

Close the shutter the projector before the house comes out for the start of the piece

**Piece 3: Etudes**

Make sure that the projector does not overheat (exceed 43 degrees Celsius) by watching the projector temperature on the projector control

If the projector has exceeded 43 degrees Celsius. Make sure that On Screen display is “OFF”. If not, toggle this with “OSD OFF Button” Then place the projector in stand by pressing “Power STANDBY” Button in the projector control menu.

Open the shutter the projector after the house curtain has come in at the end of the piece

**Piece 4: A Little Night Music**

Close the shutter the projector before the house comes out for the start of the piece

Make sure that the projector does not overheat (exceed 43 degrees Celsius) by watching the projector temperature on the projector control
If the projector has exceeded 43 degrees Celsius. Make sure that On Screen display is “OFF”. If not, toggle this with “OSD OFF Button” Then place the projector in stand by pressing “Power STANDBY” Button in the projector control menu.

Open the shutter the projector after the house curtain has come in at the end of the show.
Post Show

Powering down vision system

Shutting down Projector

Turn off the projector by placing it into stand by with the projector control

Once the fans have stopped running, turn off the projector and the switch and place the lens cap on the projector

Shutting down Mac Pro

Turn of Mac Pro by shutting down the Mac Pro

Powering down and archiving Archive system

Go Pros

Turn off the Go Pros by holding down the power button until they shutdown

Remove the SD card and Bring it to the Archive Desk at the back of the Bio Box

Sony 4K53s

Remove the SD Card from the slot on the side of the Sony 4K53

Turn off the camera by closing the screen of the Sony 4K53

Black Magic

Remove the SD card from the Vision mixer then turn the Black magic off by flipping the switch on the front of the vision mixer. Then turn the system off at the power point below the table

Storing show footage

Once all SD and Micro SD cards have been collected from the archive equipment, Label all the SD and Micro SD cards with the corresponding labels on the archive desk. Place the all the SD and Micro SD cards into a container for storage during transport.

Take all the SD and Micro SD cards home and transfer the footage onto the blue hard drive into the corresponding folders already on the hard drive.