



# NEW THEATRE

## Technical Specification

**Please find enclosed our technical information.**

**Detailed under Technical Specification is our basic lighting rig – which is supplied free of charge. Please note items marked **\*\*** and in bold are chargeable at a reduced rate from that of external hire companies. If used, they will be itemised on the Production Form for recharge on the Settlement Statement. A charge is also applicable for any colour gel or equipment specifically requested by your Company.**

**Should you have any further queries please do not hesitate to contact me.**

**We look forward to receiving your technical rider in due course.**

**Yours sincerely**

**STEVE SLATER  
Chief Technician**

March 2012

# New Theatre, Cardiff – Technical Specification



## Technical Department:

Grant McFarlane – Technical Manager  
Matt Davies – Senior Technician  
Del Jenkins – Technician  
Steve Whittle – Technician

Steve Slater – Chief Technician  
Julian Maxwell – Senior Technician  
Leigh Duncan Jones – Technician  
Adam Cobley – Technician

Alan Thomas – Building Services Manager  
Mike Mohamed-Fleming – Building Services Assistant

**Our aim is for you and your company to have an enjoyable and successful visit.  
To ensure this, we would appreciate you following the guidelines below:**

## Car Park

**Please note:** The car park to the rear of the theatre is the property of the hotel next door. The theatre does not have permission to park vehicles there unless loading or unloading for Get In or Get Out. Wheel clamping, which carries a fixed penalty, operates in this area.

**Please make your company aware of this before your visit.**

## Stage

Please give us notice of any stage use planned during your visit. This will enable us to rota staff accordingly and also to let us know who is in the building in case of emergency.

## Dressing Rooms / Band Room

All dressing rooms are cleaned each morning and are unlocked. If you would wish for them to be kept locked at all times, please advise the Stage Door Keeper.

## Damage / Breakages

Inevitably there will, from time to time, be accidents, which cause damage to New Theatre property. Please let us know as soon as possible if this occurs. We strongly advise that you inspect the dressing rooms and other areas you are occupying on arrival to ensure that you are not held responsible for damage caused by previous occupants.

## Safety Curtain / Power Supplies

The safety curtain and power supplies are to be operated by New Theatre staff only.

## Flying

All flying at the New Theatre, Cardiff must be done using the counterweight bars in house. **Any other hanging (e.g. truss or motor points) is undertaken under the risk of the visiting company or persons acting on their behalf.**

**A suitably qualified rigger must rig these points.**

## Lighting and electrical equipment

All lighting and electrical equipment brought into the Theatre should be in a safe condition and fit for the use it is designed for. The New Theatre, Cardiff reserves the right to ask for copies of relevant test certificates.

## Risk assessment

On arrival a risk assessment of the touring show needs to be made available. A copy of the New Theatre risk assessment for the get in area is available upon request.

## Smoking Policy

Due to Welsh Assembly legislation the New Theatre operates a no smoking policy throughout the building (including on stage during a performance)

## Get Out

The New Theatre Cardiff is a Bectu / TMA house. **A four-hour minimum get-out applies here.**

## New Theatre, Cardiff – Technical Specification

### CONTACT SHEET

|                              |  |  |                                   |
|------------------------------|--|--|-----------------------------------|
| Operations Manager           | Grant McFarlane  | <a href="mailto:GMcFarlane@cardiff.gov.uk">GMcFarlane@cardiff.gov.uk</a>   | 02920 87 8777*<br>07973 317960    |
| Administration               |  |  | 02920 87 8787                     |
| Admin fax                    |  |  | 02920 87 8788                     |
| Marketing Manager            | Matt Smith   |  | 02920 87 8886                     |
|                              |  |  |                                   |
| Stage Door                   | Roy Williams<br>Sue Derrick<br>Michelle Amphlett                 |  | 02920 87 8900<br>02920 87 8990(M) |
| Stage Door fax               |  |  | 02920 87 8921                     |
|                              |  |  |                                   |
| FOH Managers                 | Caroline Hurst<br>Philip Sage<br>Sue Fletcher                    |  | 02920 87 8790                     |
| Chief Technician             | Steve Slater   | <a href="mailto:SSlater@cardiff.gov.uk">SSlater@cardiff.gov.uk</a>   | 02920 87 8778*<br>07880 552329    |
| Senior Technicians           | Matt Davies<br>Julian Maxwell                                    | <a href="mailto:MattDavies@cardiff.gov.uk">MattDavies@cardiff.gov.uk</a><br><a href="mailto:JMaxwell@cardiff.gov.uk">JMaxwell@cardiff.gov.uk</a> | 02920 87 8778*                    |
| Technicians                  | Del Jenkins<br>Leigh Duncan Jones<br>Steve Whittle<br>Adam Coble | <a href="mailto:Newtheatretechnical@cardiff.gov.uk">Newtheatretechnical@cardiff.gov.uk</a>   | 02920 87 8771*<br>(Crew room)     |
|                              |  |  |                                   |
| Building Services Manager    | Alan Thomas  | <a href="mailto:AlThomas@cardiff.gov.uk">AlThomas@cardiff.gov.uk</a>   | 02920 87 8775<br>02920 87 8992(M) |
| Building Services Assistants | Mike M Flemming<br>Darren Dunnett                                |  | 02920 87 8775<br>02920 87 8993(M) |
|                              |  |  |                                   |
| Company office               |  |  | 02920 87 8913                     |
| Company fax line             |  |  | 02920 87 8916                     |

\* These lines have voice mail.

(M) These lines are internal mobile phones.

**To call internally, dial the last 4 digits from any internal phone.**

## **New Theatre, Cardiff – Technical Specification**

### **DRESSING ROOMS**

#### **GROUND FLOOR**

|                 |   |           |
|-----------------|---|-----------|
| Dressing room 1 | - | 5 Persons |
| Dressing room 2 | - | 5 Persons |
| Dressing room 3 | - | 5 Persons |

#### **FIRST FLOOR**

|                   |   |            |
|-------------------|---|------------|
| Dressing room 5/6 | - | 27 Persons |
| Dressing room 7   | - | 4 Persons  |
| Dressing room 8   | - | 5 Persons  |
| Dressing room 9   | - | 7 Persons  |

#### **SECOND FLOOR**

|                  |   |           |
|------------------|---|-----------|
| Dressing room 10 | - | 4 Persons |
| Dressing room 11 | - | 5 Persons |
| Dressing room 12 | - | 5 Persons |
| Wardrobe         |   |           |
| Laundry          |   |           |
| Wig room         |   |           |

#### **UNDER STAGE**

|  |   |       |
|--|---|-------|
| Band room  | - | Large |
| Musical Director's room (Audio Description room) |   |       |
| Company office                                   |   |       |

### **WARDROBE**

2 x Huesbsch LW17 commercial Top loading 18lb load washing machines.

2 x Huesbsch LEZ17 Commercial Tumble Driers 20lb load

Tokens available from stage door upon request.

**Please note there are no facilities available to accommodate any incoming company appliances.**

## New Theatre, Cardiff – Technical Specification

### QUICK REF. CHART

|                                    | <b>Metres</b> | <b>Feet</b> |
|------------------------------------|---------------|-------------|
| Pros width                         | 9.10          | 30'         |
| Pros height (bottom of house tabs) | 7.00          | 23'         |
| Wall s/l - s/r                     | 23.50         | 77'         |
| Wall s/l - counter weight frame    | 22.65         | 74'         |
| Post pros - u/s dock               | 16.55         | 54'6"       |
| Post pros - d/s dock               | 12.15         | 40'         |
| Dock opening width                 | 9.90          | 32'6"       |
| Dock opening height                | 7.00          | 23'         |
| Between fly floors                 | 12.65         | 41'6"       |
| Fly floor s/l & s/r width          | 5.45          | 17'6"       |
| Fly floor under d/s                | 7.50          | 24'6"       |
| Fly floor under u/s                | 7.00          | 23'         |
| Cross-over bridge under            | 8.55          | 28'         |
| C/w 1 grid trim                    | 15.74         | 51'6"       |
| Hemp set 3 grid trim               | 15.34         | 50'         |

|            |    |           |
|------------|----|-----------|
| Stage rake | 2° | 1" in 24" |
|------------|----|-----------|

|                    | <b>SWL</b> |
|--------------------|------------|
| Single purchase    | 435kg      |
| Double purchase    | 386kg      |
| Up & down set      | 100kg      |
| Motorised spot bar | 450kg      |

|   | <b>Metres</b> |
|---|---------------|
| Front of house multi core run though<br>17cm pipe |               |
| Stage left to mixer position                      | 36            |
| Stage left to stage right                         | 17            |
| Total run   | 53            |

## New Theatre, Cardiff – Technical Specification

### LX

#### CONTROL

ETC EOS – 10,000 channels & 4000 outputs  
EOS Remote processing unit – 10,000 & 4000 outputs  
Strand 550i – Running software version 2.8.5

#### DIMMERS

Controlled by DMX  
120 X 10amp PermUS  
48 X 10amp Strand LD90  
12 X 25amp PermUS

#### DISTRIBUTION

1 X 12m 24-way IWB  
8 X 3m 6way IWB  
2 X 23m Socapex multi-core  
8 X 20m Socapex multi-core  
2 X 17m Socapex multi-core  
2 X 14m Socapex multi-core  
10 X Socapex → Male 15A fan-out  
4 X Socapex → Female 15A fan-out  
4 X Socapex → Female 15A 6-way box  
75 X 2m TRS  
30 X 6m TRS  
24 X 10m TRS  
17 X 14m TRS  
14 X 18m TRS  
A selection of 5-pin DMX cable

#### FOLLOW SPOTS

2 X Limelight 2000W xenon follow spot, fitted with sight

#### FRESNEL

36 X Cantata Fresnel - 1200W  
**\*\*12 X Cantata Fresnel - 1200W also available for hire @ £5.00 each per week**

#### PROFILE

**\*\*16 X Source 4 15°/30° - 750W also available for hire @ £5.00 each per week**  
**\*\*6 X Source 4 36° - 750W also available for hire @ £5.00 each per week**  
**\*\*6 X Source 4 26° - 750W also available for hire @ £5.00 each per week**  
**\*\*2 X Source 4 19° - 750W also available for hire @ £5.00 each per week**  
**\*\*2 X Source 4 50° - (lens tube only) also available for hire @ £5.00 each**  
**\*\*2 X Source 4 19° - (lens tube only) also available for hire @ £5.00 each**

#### PARCANS

**\*\*48 X Par 64 also available for hire @ £4.00 each per week**  
– Selection of beam widths available

#### FLOODS

**\*\*5 X Iris four for hire @ £20.00 each per week**  
**\*\*12 X Coda four for hire @ £15.00 each per week**

## New Theatre, Cardiff – Technical Specification

### LX Cont.

**FOH** (see plan for positions)

- 12 X Source 4 10 degree (Gods)
- 12 X Cadenza 9/15 (Cages)
- 12 X Cantata 11/26 (Boxes I, J, E, D)
- 10 X Cantata 18/32 (Boxes G, H, C, B)

### **MISCELLANEOUS**

**\*\*Sheets of Gel charged @ £5.50 each**

**\*\*1 X Jem DMX controlled smoke machine for hire @ £35.00 per week**

**\*\*1 X Jem DMX controlled fan for hire @ £20.00 per week**

- 6 X Tall double-extension stands min 1.5m (5'). Max 3.8m (12½')
- 4 X Bench Stands
- 6 X Doughty boom arms

### ACCESS EQUIPMENT

- 1 X Genie GR-20 Runabout
- 1 X Large Tallelescope
- 1 X Medium Tallelescope
- 1 X Zarges *max 6.1m (20')*

**PLEASE NOT THE NEW THEATRE DOES NOT PERMIT THE MOVEMENT OF A TALLESCOPE WITH A PERSON IN THE WORKING PLATFORM**

### AUDIO VISUAL

Routable AV patch bays located in various points around the backstage and FOH areas including the circle front.

A colour CCTV and infrared cameras are located on the circle front

### PROMPT CORNER

**Our prompt corner is located in the DSR wing** (See ground plan)

The prompt desk consists of:

- Pull out shelf
- Cue light system
- Cans
- Colour TV/video – (Colour camera)
- Black and White monitor – (Infrared camera)
- Monitor speaker – (Show relay)

We have 4 cans points on stage, 1 on the flyfloor, 1 for lx operator and 1 for sound operator in the control room, 2 for followspot operators in the followspot box and 1 in the orchestra pit.

We also have a radio cans system linked to the hard-wired system.

Our cue light system has 8 cue lights on stage, 1 for lx operator and 1 for sound operator in the control room, 1 on the flyfloor and 1 in the orchestra pit.

## New Theatre, Cardiff – Technical Specification

### IN-HOUSE SOUND RIG

#### GENERAL DESCRIPTION

The mixing position is in the control room at the rear of the stalls. With adequate notice the mixer can be moved into the auditorium for live mixing.

There are 24 mic and 4 speaker tie lines to each of the following:

Stage right

Stage left

Orchestra pit

There are also 8 mic tie lines from the circle front to the prompt corner

#### CONTROL, AMPS AND SPEAKERS

- 1 X Spirit 324 Live digital mixer with lexicon FX – 12 inputs expandable to 18
- 1 X Spirit M12 Analogue mixer – 12 Mono 4 Stereo inputs
- 2 X 'C' Audio SR 404 amp driving the cluster
- 1 X 'C' Audio SR 202 amp driving the delay rings, one channel for each ring
- 2 X 'C' Audio SR 404 amp driving the stalls and circle box positions
- 4 X Renkus-Heinz speakers in central cluster for circle & upper-circle cover
- 2 X Renkus-Heinz speakers in boxes A&F for stalls cover
- 2 X Delay rings positioned on underside of circle and upper circle (BES speakers)
- 4 X 350W Turbosound wedge speaker
- 2 X JBL Control 5 speaker
- 1 X C audio pulse 4 300 Amp

#### EQ RACK

DOD R-830A 15 Notch dual channel

Harrison GP230 1/3 octave dual channel

Klark-Teknic DN360 1/3 octave dual channel

#### FX RACK

- 1 X Yamaha SPX1000 processor
- 1 X Titan CD player
- 1 X Tascam MD player
- 1 X Sony MD player

#### MICROPHONES

- 7 X Crown PCC160
- 2 X AKG CK9
- 1 X AKG D900
- 4 X Shure SM58
- 2 X Sennheiser MD421
- 1 X Sennheiser EW100 (1 X handheld and 1 X lapel radio mic)



## New Theatre, Cardiff – Technical Specification

### IN-HOUSE SOUND RIG Cont.

#### MISCELLANEOUS

- 3 X Canford active DI boxes
- 4 X EMO DI BOXES
- 6 X Boom stands
- 2 X 10M Post office jack – XLR multicore
- A selection of mic stands
- A selection of speakon cable
- A selection of XLR mic and speaker cable

- We have a litestructures platform that can be erected in the rear stalls area for the sound mixing position, **Prior notice needs to be given for the relevant seats to be taken off sale.**

#### ORCHESTRA PIT

**\*\*15 X RAT music stands for hire @ £3 each per week**

A Steel deck riser can be supplied for the MD.

Cans and Cue light are available in the pit.

## New Theatre, Cardiff – Technical Specification

### GROUND PLAN KEY

|    |   |
|----|---|
| 1  | Prop bay  |
| 2  | Scene dock  |
| 3  | Sub-station   |
| 4  | Dock door at street level   |
| 5  | Trap to understage.<br><i>Trap nearest dock door can be removed to provide understage crossover</i>   |
| 6  | Dip traps   |
| 7  | Dimmer socket outlets   |
| 8  | House tabs. <i>Can be operated from fly floor or stage level</i>  |
| 9  | Fly floor.<br><i>Downstage 7.5m under</i><br><i>Upstage 7m under</i>  |
| 10 | Counterweight system<br><i>Single purchase bars 5 &gt; 28, 40 &gt; 45 - 435kg SWL</i><br><i>Double purchase bars 1 &gt; 4, 29 &gt; 39 - 386kg SWL</i><br><i>Bars 12.05m long - 48mm od</i><br><i>Winch bar SWL = 500kg</i><br><i>Bar trims c/w 1 = 15.74m. Hemp set 3 = 15.34m.</i>                                 |
| 11 | Packing rail at 2.9m & 3.5m   |
| 12 | Fly's crossover bridge. 8.55m under   |
| 13 | Soffit 7m under   |
| 14 | Fire corner<br><b>Please keep clear at all times</b>  |
| 15 | Safety curtain  |
| 16 | Safety curtain and drencher control panel and counterweight.<br><b>Please keep clear at all times</b>   |
| 17 | Perch canopy 2.03m under. Dimmer patch panel underneath   |
| 18 | Production mains supply<br><b>Please keep clear at all times</b><br><i>1 X 200a 3 phase camlocks, RCD 300ma @ 200ms delay</i><br><i>2 X 125a 3 phase socket outlet</i><br><i>3 X 63a single phase socket outlet</i>   |
| 19 | Production mains supply on fly floor<br><i>1 X 200a 3 phase camlocks, RCD 300ma @ 200ms delay</i><br><i>1 X 32a 3 phase socket outlet</i>   |
| 20 | Prompt corner and call system point   |
| 21 | Sound & video tie lines   |
| 22 | Pit lifts<br>Lift1, Lift2, and Lift3.<br><i>All three can move between stage level, or down to 2.75m.</i><br><i>Lift1 small pit or apron.</i><br><i>Lift2 &amp; Lift3 6 Rows A&gt;F can be removed to increase size of pit, or stage apron.</i><br><i>The pit also has a 3.25m cantilever back under the stage.</i> |

## New Theatre, Cardiff – Technical Specification

### GROUND PLAN KEY Cont.

|    |   |
|----|---|
| 23 | Multi-core run<br><i>150mm drainpipe to rear stalls and control room.<br/>Run to sound position = 27m<br/>Run to control room = 34m</i>                           |
| 24 | Box A   |
| 25 | Box F   |
| 26 | Speaker hoist SWL 250kg   |
| 27 | Chandelier points.<br><i>Can be used for truss points.<br/><b>Please note. Notice needs to be given for this to be arranged<br/>A charge is also incurred</b></i> |
| 28 | To dressing rooms   |
| 29 | Fire exit and pass door to FOH  |
| 30 | TV cable traps  |
| 31 | Fire hose   |
| 32 | Radiator  |
| 33 | NA  |

# New Theatre, Cardiff – Technical Specification

## HANGING PLOT

| C/W    | metres  | feet/inches | DESCRIPTION                             | WEIGHT |
|--------|---------|-------------|---|--------|
| HMP 3  | 12 • 46 | 40' 10½"    |   |        |
| HMP 2  | 12 • 32 | 40' 4½"     |   |        |
| HMP 1  | 12 • 16 | 39' 10¾"    |   |        |
|        |         |             | <b>FLY'S CROSSOVER BRIDGE/GRID BEAM</b> |        |
| 45     | 10 • 90 | 35' 9"      |   |        |
| 44     | 10 • 71 | 35' 1¼"     |   |        |
| 43     | 10 • 53 | 34' 6"      |   |        |
| 42     | 10 • 33 | 33' 10¼"    |   |        |
| 41     | 10 • 15 | 33' 3"      |   |        |
| 40     | 9 • 95  | 32' 7½"     |   |        |
| 39 DP  | 9 • 63  | 31' 7"      |   |        |
| 38 DP  | 9 • 45  | 30' 11¾"    |   |        |
| 37 DP  | 9 • 26  | 30' 4¼"     |   |        |
| 36 DP  | 9 • 06  | 29' 8½"     |   |        |
| 35 DP  | 8 • 87  | 29' 1"      |   |        |
| 34 DP  | 8 • 67  | 28' 5¼"     |   |        |
| 33 DP  | 8 • 48  | 27' 9¾"     |   |        |
| 32 DP  | 8 • 31  | 27' 3"      |   |        |
|        |         |             | <b>GRID BEAM</b>                        |        |
| 31 DP  | 7 • 93  | 26'         |   |        |
| 30 DP  | 7 • 74  | 25' 4½"     |   |        |
| 29 DP  | 7 • 55  | 24' 9"      |   |        |
| 28     | 7 • 36  | 24' 1½"     |   |        |
| 27     | 7 • 17  | 23' 6"      |   |        |
| 26     | 6 • 98  | 22' 10½"    |   |        |
| 25     | 6 • 78  | 22' 2¾"     |   |        |
| 24     | 6 • 41  | 21' ¼"      |   |        |
| 23     | 6 • 23  | 20' 5"      |   |        |
| 22     | 6 • 03  | 19' 9"      |   |        |
| 21     | 5 • 85  | 19' 2"      |   |        |
| 20     | 5 • 65  | 18' 6¼"     |   |        |
| 19     | 5 • 47  | 17' 11"     |   |        |
| 18     | 5 • 27  | 17' 3¼"     |   |        |
| 17     | 5 • 08  | 16' 7¾"     |   |        |
|        |         |             | <b>GRID BEAM</b>                        |        |
| 16     | 4 • 89  | 16' ½"      |   |        |
| 15     | 4 • 70  | 15' 5"      |   |        |
| 14     | 4 • 51  | 14' 9¼"     |   |        |
| 13     | 4 • 32  | 14' 2"      |   |        |
| 12     | 4 • 12  | 13' 6¼"     |   |        |
| 11     | 3 • 94  | 12' 11"     |   |        |
| 10     | 3 • 75  | 12' 3½"     |   |        |
| 9      | 3 • 34  | 10' 11¼"    |   |        |
| 8      | 3 • 15  | 10' 4"      |   |        |
| 7      | 2 • 97  | 9' 8¾"      |   |        |
| 6      | 2 • 77  | 9' 1"       |   |        |
| 5      | 2 • 58  | 8' 5½"      |   |        |
| 4 DP   | 2 • 39  | 7' 10"      |   |        |
| 3 DP   | 2 • 20  | 7' 2½"      |   |        |
|        |         |             | <b>GRID BEAM</b>                        |        |
| 2 DP   | 1 • 81  | 5' 11"      |   |        |
| WINCH  | 1 • 33  | 4' 4"       |   |        |
| 1 DP   | 1 • 08  | 3' 6½"      |   |        |
| TABS   | 0 • 69  | 2' 3"       | <b>HOUSE TABS</b>                       |        |
| IRON   | 0 • 64  | 2' 1"       | <b>UPSTAGE EDGE</b>                     |        |
| IRON   | 0 • 47  | 1' 6½"      | <b>DOWNSTAGE EDGE</b>                   |        |
| S/LINE | 0 • 00  | 0' 0"       | <b>FRONT EDGE OF STAGE</b>              |        |

# New Theatre, Cardiff – Technical Specification

## GRID TRIM

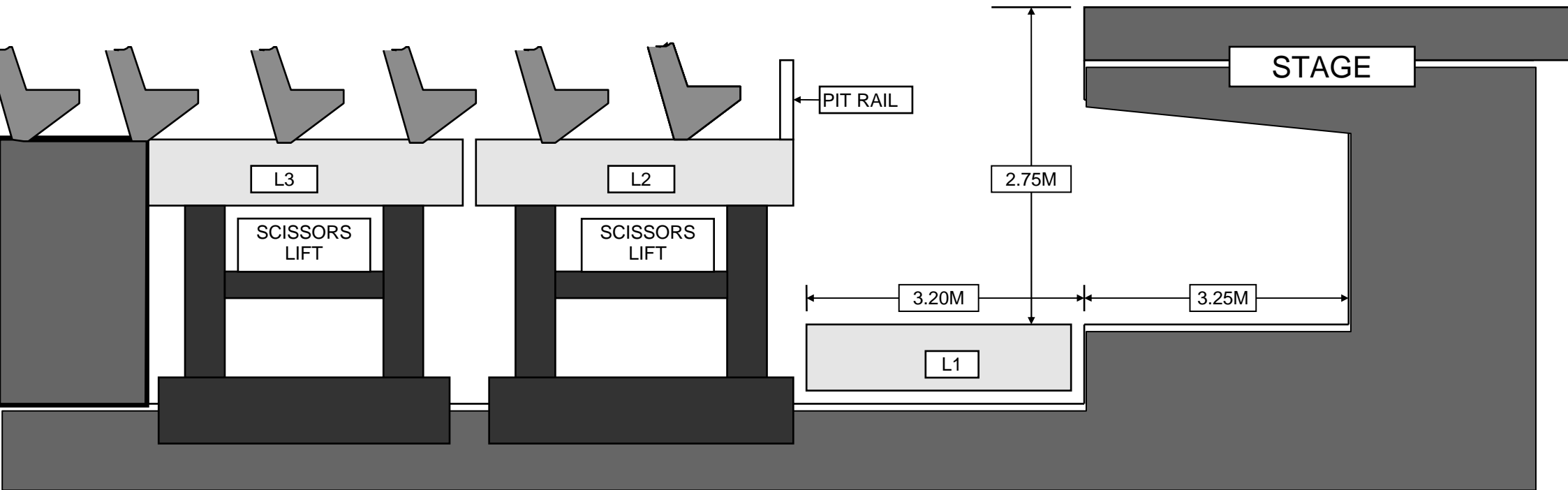
| C/w         | Met (M) | G/trim       | Imp           | G/trim                  | Description       |
|-------------|---------|--------------|---------------|-------------------------|-------------------|
| Hemp 3      | 12.46   | 15.34        | 40' 10½"      | 50' 4"                  | Hemp              |
| Hemp 2      | 12.32   |              | 40' 4½"       | 50' 4"                  | Hemp              |
| Hemp 1      | 12.16   |              | 39' 10¾"      | 50' 4"                  | Hemp              |
|             |         | <b>Fly's</b> | <b>X-over</b> | <b>Bridge</b>           |                   |
| 45          | 10.90   |              | 35' 9"        | 50' 2"                  | Single purchase   |
| 44          | 10.71   |              | 35' 1¼"       | 50' 2"                  | Single purchase   |
| 43          | 10.53   |              | 34' 6"        | 50' 1"                  | Single purchase   |
| 42          | 10.33   |              | 33' 10¼"      | 50' 2"                  | Single purchase   |
| 41          | 10.15   |              | 33' 3"        | 50' 2½"                 | Single purchase   |
| 40          | 9.95    |              | 32' 7½"       | 50' 3"                  | Single purchase   |
| <b>Beam</b> |         |              |               |                         |                   |
| 39          | 9.63    |              | 31' 7"        | 50'                     | Double purchase   |
| 38          | 9.45    |              | 30' 11¾"      | 50' 3"                  | Double purchase   |
| 37          | 9.26    |              | 30' 4¼"       | 50' 2½"                 | Double purchase   |
| 36          | 9.06    |              | 29' 8½"       | 50' 3½"                 | Double purchase   |
| 35          | 8.87    |              | 29' 1"        | 50' 3"                  | Double purchase   |
| 34          | 8.67    |              | 28' 5¼"       | 50' 4½"                 | Double purchase   |
| 33          | 8.48    |              | 27' 9¾"       | 50' 4½"                 | Double purchase   |
| 32          | 8.31    |              | 27' 3"        | 50' 5"                  | Double purchase   |
| <b>Beam</b> |         |              |               |                         |                   |
| 31          | 7.93    |              | 26'           | 50' 5½"                 | Double purchase   |
| 30          | 7.74    |              | 25' 4½"       | 50' 6"                  | Double purchase   |
| 29          | 7.55    |              | 24' 9"        | 50' 6½"                 | Double purchase   |
| 28          | 7.36    |              | 24' 1½"       | 50' 5"                  | Single purchase   |
| 27          | 7.17    |              | 23' 6"        | 50' 6"                  | Single purchase   |
| 26          | 6.98    |              | 22' 10½"      | 50' 4"                  | Single purchase   |
| 25          | 6.78    |              | 22' 2¾"       | 50' 5½"                 | Single purchase   |
| <b>Beam</b> |         |              |               |                         |                   |
| 24          | 6.41    |              | 21' ¼"        | 50' 6"                  | Single purchase   |
| 23          | 6.23    |              | 20' 5"        | 50' 6½"                 | Single purchase   |
| 22          | 6.03    |              | 19' 9"        | 50' 7"                  | Single purchase   |
| 21          | 5.85    |              | 19' 2"        | 50' 7"                  | Single purchase   |
| 20          | 5.65    |              | 18' 6¼"       | 50' 8"                  | Single purchase   |
| 19          | 5.47    |              | 17' 11"       | 50' 8½"                 | Single purchase   |
| 18          | 5.27    |              | 17' 3¼"       | 50' 8½"                 | Single purchase   |
| 17          | 5.08    |              | 16' 7¾"       | 50' 9"                  | Single purchase   |
| 16          | 4.89    |              | 16' ½"        | 50' 9"                  | Single purchase   |
| 15          | 4.70    |              | 15' 5"        | 50' 9½"                 | Single purchase   |
| 14          | 4.51    |              | 14' 9¼"       | 50' 10¼"                | Single purchase   |
| 13          | 4.32    |              | 14' 2"        | 50' 10¼"                | Single purchase   |
| 12          | 4.12    |              | 13' 6¼"       | 50' 10¼"                | Single purchase   |
| 11          | 3.94    |              | 12' 11"       | 50' 10¼"                | Single purchase   |
| 10          | 3.75    |              | 12' 3½"       | 50' 10¼"                | Single purchase   |
| <b>Beam</b> |         |              |               |                         |                   |
| 9           | 3.34    |              | 10' 11¼"      | 50' 11¼"                | Single purchase   |
| 8           | 3.15    |              | 10' 4"        | 50' 11¼"                | Single purchase   |
| 7           | 2.97    |              | 9' 8¾"        | 51'                     | Single purchase   |
| 6           | 2.77    |              | 9' 1"         | 51' ¼"                  | Single purchase   |
| 5           | 2.58    |              | 8' 5½"        | 51' ¼"                  | Single purchase   |
| 4           | 2.39    |              | 7' 10"        | 51' 2½"                 | Double purchase   |
| 3           | 2.20    |              | 7' 2½"        | 51' 2¾"                 | Double purchase   |
| 2           | 1.81    |              | 5' 11"        | 51' 2¾"                 | Double purchase   |
| Winch       | 1.33    |              | 4' 4"         |                         |                   |
| 1           | 1.08    | 15.74        | 3' 6½"        | 51' 8"                  | Double purchase   |
| Tabs        | 0.69    |              | 2' 3"         | 23" <sup>bot tabs</sup> | <b>House tabs</b> |
| Iron        | 0.64    |              | 2' 1"         |                         | <b>U/S edge</b>   |
| Iron        | 0.47    |              | 1' 6½"        |                         | <b>D/S edge</b>   |

# New Theatre, Cardiff – Technical Specification

## NOTES

New Theatre, Cardiff – Technical Specification

ORCHESTRA PIT CROSS SECTION - NOT TO SCALE

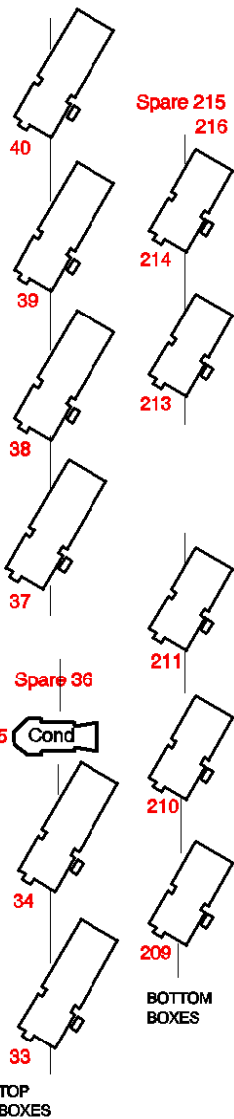




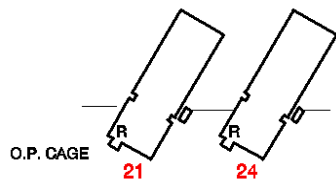
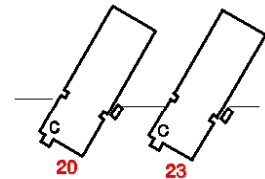
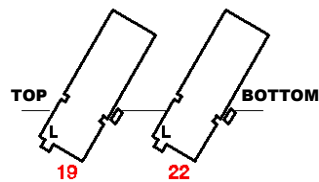
# NEW THEATRE

## FOH LIGHTING PLAN

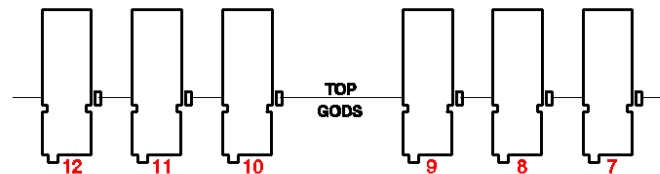
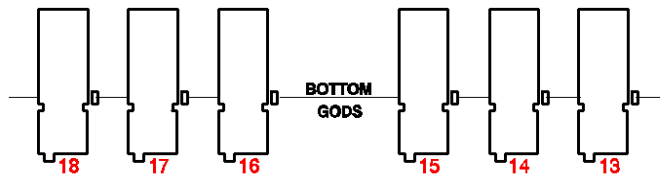
2009



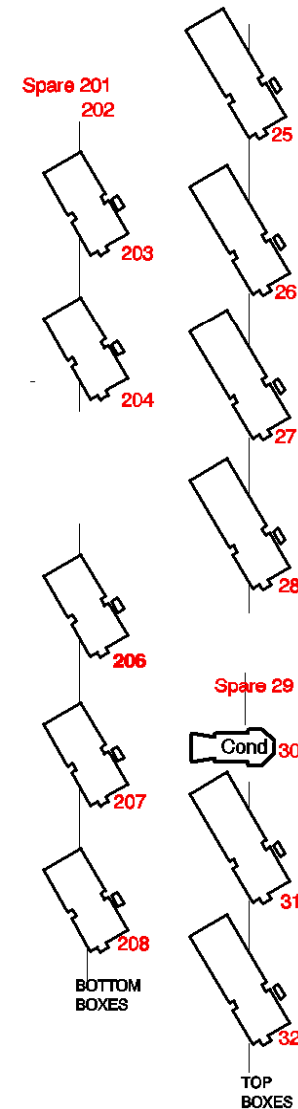
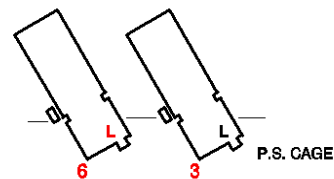
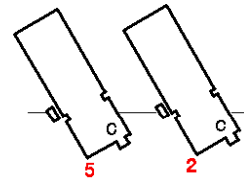
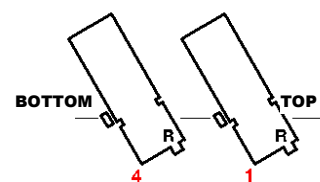
LOWER BOX  
6 WAYS  
PATCHABLE DSR



HOUSE LX - 158 & 159



CIRCLE FRONT  
12 WAYS  
PATCHABLE DSR



LOWER BOX  
6 WAYS  
PATCHABLE DSR