



*Brycheiniog*

## Technical Specification 1

Theatr Brycheiniog opened in April 1997. It is fitted out to a high technical specification and was designed to give easy access to all. The flexible auditorium has a twin lift floor and is fitted with 9 hovercraft seating blocks allowing it to be used in three main formats. The theatre also has a rehearsal/multi-function room, a backstage scene dock, a bar, a restaurant and an art gallery.

### Access

Dock door at stage level, 53cm above street level & access upstage left	3.35m x 2.28m
Second loading door level with the street for scene dock access.	3.5m x 2.3m
Loading door from the scene dock to the stage at upstage right	3.4m x 2.3m

### The Stage

Flat maple Tarkett hardwood strip floor. Please note nothing can be fixed to the floor by penetrating the wood surface.

### Stage Formats

A)	Conventional proscenium with flying house curtain	Seating 477
B)	Wide proscenium with flying house curtain	Seating 477
C)	As above with either orchestra pit or apron in use (Pit or apron can be set at any height)	Seating 426
D)	Flat floor throughout with stalls seating stored	

### Dimensions

Width of the stage area	14.5m
Depth of the stage area	12.3m
Depth of the stage area with the orchestra pit	15.3m
Height from the stage to the grid (Not a full height fly tower)	11.1m
Height from the stage to the proscenium arch wall	9.3m
Total stage width from wall to wall	18.6m
Stage left wing width	2.2m
Stage right wing width	1.9m
16 x Traps see plan.	



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## Technical Specification 2

### Counterweight Flying System

58 single purchase bars at 200mm spacing except C/W 57 & 58 which are 400mm apart.  
12.6m long with 2m extensions fitted to each end of each bar.

C/W 1 & 2 are down stage of the proscenium wall

C/W 3 hard house header 15m wide x 3.2m drop *Permanently positioned*

C/W 4 hard house header 13.2m wide x 3.2m drop *Permanently positioned*

C/W 5 house tabs 16m wide x 3.2m drop

C/W 6 house tabs pick up for concerts and/or legs

C/W 8 is normally used for lighting bar 1

2 On stage side bars flying bars 10m long

5 Auditorium flying bars 11m long

### Masking and Drapes

There is a standard black box consisting of:

2 hard house headers see above list, these are not re-locatable.

4 sets of legs 2.4m wide by 9m drop 1

4 sets of legs 2.4m wide by 6m drop used as side curtains at the moment

3 borders 15m wide by 3.5m drop

1 border 15m wide by 4m drop

1 set of black tabs 15m wide by 6m drop can be tied to a bar or clipped to our movable tab track

1 white cyc 14m wide by 6m drop

1 set of red house tabs 14m x 7.5m on C/W 5

2 x free-standing hard masking flats with french brace 5.5m high by 1.8m wide.

### Miscellaneous

x 8ft/3ft (2.44mt x 0.9mt) Steel Deck with various sizes of legs

2 Sets of treads to fit steel deck at 3ft height

8 x 3ft handrails for steel deck

8 x 4ft handrails for steel deck

42 Stage weights

26 Stagebraces (3 sizes).



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### **Technical Specification 3**

#### **Musical Equipment**

7 Doughty illuminated music stands

1 Doughty illuminated conductor's stand

1 6ft Daneman Grand Piano (Tuning recharge £50)

1 Boston upright pianos kept in the rehearsal room.

120 padded blue chairs suitable for choirs, orchestras and conferences.

#### **Stage Power**

63A Single phase for sound situated on stage DSL

125A Three Phase situated DSL for motors or extra touring dimmers.

Twin RCD 13 amp outlets on most lighting patch boxes

Single 15 amp RCD outlet on most lighting patch boxes

Twin RCD 13 amp sound power outlets on stage and pit patch boxes

Twin RCD 13 amp dimmable outlets in the pit for music stands

#### **Ladders etc**

1 x Large telescope

1 x Access tower

1 x 14rung Zarges Ladder

1 x Large A frame ladder

1 x Medium set of steps

1 x Small set of steps



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## Technical Specification 4

### Lighting Equipment

Lighting Control                      Strand 520i lighting desk

The house lights are controllable from either the lighting desk or separate programmable house light controller with panels at prompt corner, lighting box and projection room

- 15     x     Patchable DMX outputs around the theatre all on 5 pin XLR
- 120   x     2.5KW Dimmers Strand LD24 dimmers
- 18     x     5KW Dimmers Strand LD90 dimmers
- 2       x     switchable stage management non-dims controlled from the prompt desk
- 2       x     Flys switchable non-dims controlled from the main working light panel DSL

Props table twin 13 amp sockets at each corner of the stage switchable from the prompt desk.

### Lanterns

#### Profiles Spots

- 20     x     ETC     Source 4     25 - 50 deg     750W  
(10 of the above are permanently situated on FOH Bridge position)
- 10     x     ETC     Source 4     36 deg.     575W (dichroic reflector)
- 10     x     ETC     Source 4     26 deg.     575W (dichroic reflector)

#### Fresnels Spots

- 30     x     Strand Cantata     Fresnel     1200W with barn doors
- 8       x     ADB     Fresnel     2000W with barn doors

#### Par Cans

- 30     x     Par 64     Par Can     1000W with CP62's

#### Floods

- 4       x     Thomas     4 Way     1000W Cyc
- 6       x     Thomas     4 way     500W Groundrow

#### Followspots

- 2       x     Selecon Pacifics     1000W

### Miscellaneous Items of Equipment

- 16     x     Boom arms

Various iris, gobo holders, some stock gobo's, spigots, TRS cable, grelcos, multicores, IWB's and 4 way 13 amp power blocks are available.





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## Technical Specification 6

### Microphones & D.I. Boxes

4	x	Shure SM58	(vocal cardioid)
2	x	Shure SM57	(instrumental cardioid)
1	x	AKG drum kit mic set	
1	x	Beyerdynamic TGX 50 Bass mic	
2	x	Sennheiser ME66 shotgun heads with K6-P pre amps	(short shotgun)
3	x	AKG CK91 heads with SE300 pre amps	(cardioid)
2	x	MTR passive DI Boxes	
2	x	EMO Stereo passive DI Boxes	(can be used as 4 mono DI lines)
1	x	MTR Stereo active DI Box	(can be used as 2 mono DI lines)
15	x	Mic stands	(10 standard booms, 2 short booms & 3 table stands)

### Communications, Patching and Miscellaneous Items

A selection of XLR signal cable, NL4 speaker cables and various adapter leads are available.

The main audio patching is on bantam patch bays in the LX control room, the speaker patch is on NL4 and is in the amp room & the video patch is on MUSA and is also in the amp room.

84	x	Microphone tie lines around the stage area also 2 stage boxes with 12 ways each are available for use DSL and DSR.
51	x	Audio tie lines with male and female XLR connectors around the stage area
24	x	NL4 loudspeaker patch lines around the stage area (these are on top of the lines used for the normal house P.A.)

Metro Audio System 2 ring system with show relay into ring B

12	x	Beltpacks and headsets
12	x	Q Lights 6 of these are fixed & 6 are patchable with 18 points around the stage.

Show telephone system separate to the main telephone system

Full show relay system, paging system and public area music system

1 CCTV colour camera feeding building video & TV system. The system has 40 BNC patchable outlets around the whole building. Also a RF system feeding various areas of the building with 2 in house video channels and ordinary terrestrial TV.

The stage management desk can be moved to DSL, DSR and the sound control room.

The normal position for the desk is DSL.

Also a rehearsal desk duplicating most of the SM. desk facilities is available to plug into the same points DSL, DSR & the sound control room.

The auditorium is fitted with an infrared hearing system.



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## Technical Specification 7

### Backstage Facilities

2 small dressing rooms with shower & WC (1 with disabled facilities) on the ground floor

2 large dressing rooms on the 1<sup>st</sup> floor

Male and female showers on the 1<sup>st</sup> floor

Wardrobe maintenance room with washer and dryer on the 1<sup>st</sup> floor, an overhead load in door is located next to the wardrobe maintenance room.

Disabled toilet facilities on the ground and 2nd floors

FOH lift for access to all floors

### Chargeable Items

These need to be booked with the Technical Manager

Please check at time for hire prices. Equipment may not be taken out of the building.

1	x	Le Maitre 6/24 way Pyro Flash with six standard flash boxes
1	x	Kodak Ektapro carousel projector
1	x	Sasco overhead projector
1	x	12ft x 9ft Fastfold screen with legs, front and back projection screens
1	x	26" colour TV with stand
1	x	VHS video recorder
5	x	Sennheiser Lavalier radio mics with cardioid heads
2	x	Sennheiser E100 hand held radio mics
1	x	Digital Projector