

# TECHNICAL SPECIFICATIONS

## DUNSTAN PLAYHOUSE



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## DUNSTAN PLAYHOUSE

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#### DRAMA CENTRE

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N.B. This Technical Specification should be read in conjunction with the plans and the theatre hiring agreement.

# AUDITORIUM DETAILS

## AUDITORIUM CAPACITY

|  |     |
|--|-----|
| Full Auditorium capacity   | 590 |
| Pit or thrust seats (less row BB - DD, 46 seats)                 | 544 |
| Vomitory seats   | 24  |
| Stalls seats (with no pit)                                       | 304 |
| Stalls seats (with forestage lift at stage level, less 46 seats) | 258 |
| Balcony seats  | 200 |
| Box seat   | 16  |
| Mixer seats (when in use)  | 14  |

## ORCHESTRA PIT

|   |   |
|---|---|
| Standard Pit (one size - Row BB - Row DD) | 7.7m wide x 3.96m depth on centre x 2.29m below stage level<br>Capacity: 18 musicians |
| Restricted seating when pit in use        | Row A: 4 - 9, 22 - 27, inclusive  |

## PIT LIFT

|              |   |
|--------------|---|
| Thrust stage | 7.6m wide x 2.74m deep on centre of curve |
|--------------|---|

## MIXER SEATS

|              |               |
|--------------|---------------|
| Stalls row L | Seats 18 - 24 |
| Stalls row M | Seats 18 - 24 |



# STAGE DETAILS

|                               |  |
|-------------------------------|--|
| Proscenium width              | 12.3m  |
| Proscenium height             | Max. out at 7m<br>Standard set at 6.5m                                       |
| Teaser (false proscenium)     | Black border on Line #6<br>6.5m high   |
| Tormentors (false proscenium) | On track, rigged to rear of Proscenium wall<br>2m of onstage travel possible |
| Stage                         | 8mm thick Masonite<br>32mm tongue-in groove oak laid Oregon joists           |
| Trap                          | Downstage Centre   |

## STAGE WIDTH

|   |       |
|---|-------|
| Centre Line to Prompt Side                      | 7.97m |
| Centre Line to Prompt side fly (galley)         | 7.97m |
| Centre line to Opposite Prompt side wall        | 12m   |
| Centre line to Opposite Prompt side fly gallery | 11.4m |

## STAGE HEIGHT

|  |       |
|--|-------|
| Floor at row BB (Stage edge to stalls floor)                   | 0.91m |
| Clearance from stage to underside of Prompt side fly (gallery) | 7.16m |
| Clearance from stage to underside of grid                      | 18.3m |
| Orchestra pit depth from stage to auditorium level             | 2.29m |
| Orchestra pit depth from stage to basement level               | 3.6m  |

## UPSTAGE

|  |        |
|--|--------|
| Setting line to back wall                            | 11.91m |
| Setting line to downstage edge of rear stage gallery | 11m    |
| Setting line to upstage edge of timber stage         | 9.45m  |
| Setting line to last fly line                        | 10.6m  |
| Setting line to House Curtain                        | 0.18m  |

N.B. There is no rake on this stage

## DOWNSTAGE

|   |       |
|---|-------|
| Setting line to down stage edge of permanent stage                | 0.12m |
| Setting line to down stage edge of thrust stage (on centre line)  | 2.74m |
| Setting line to down stage edge of orchestra pit (on centre line) | 3.96m |

N.B. There is no stage apron in this venue

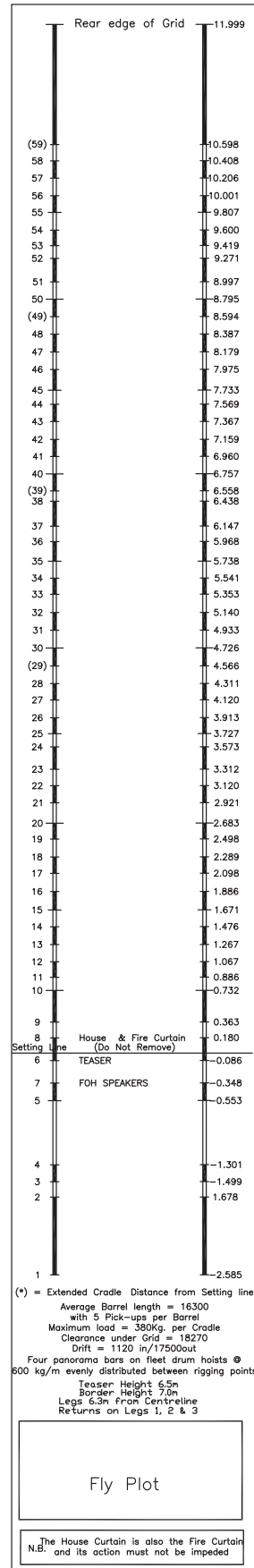
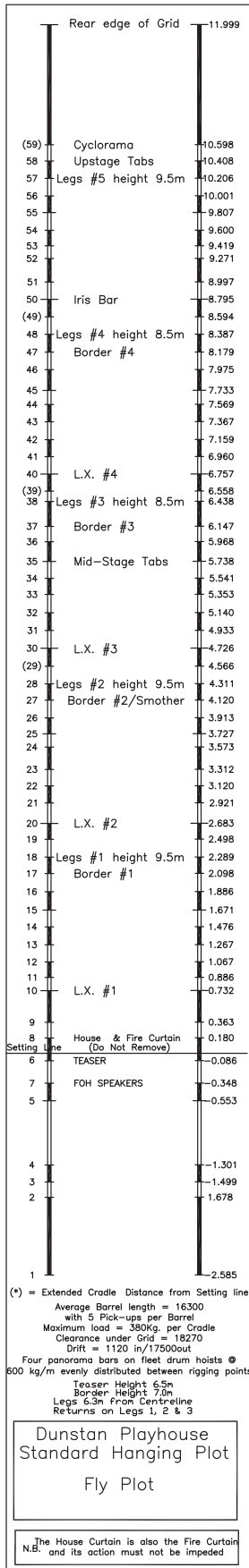
## WORKING LOAD LIMIT

|             |        |
|-------------|--------|
| Fly Lines   | 350kg  |
| Stage Floor | 450kPa |

DUNSTAN  
PLAYHOUSE  
TECHNICAL  
SPECIFICATIONS



# HANGING PLOT



Scale: 1:100 File: Dunstan Playhouse Plan.dwg  
 Drawn: AFC Production Date: 2021  
 Contact: TechInfo@adelaidefestivalcentre.com.au  
 Please verify all measurements on site.

Standard Hanging Plot.  
 Dunstan Playhouse Theatre  
 notes

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# STANDARD RIG

## STAGE

|  |   |
|--|---|
| Battens                                    | Aluminum Gate Beams,<br>50mm with 5 pickups at average 3.65m intervals  |
| Battens Upstage of Proscenium              | 52  |
| Battens Downstage of Proscenium            | 6   |
| Batten weight limit                        | 350kg per barrel  |
| Length of battens                          | Upstage - 17.5m<br>Downstage - 14.02m (Line #7) - 9.95m (Line #1)   |
| Maximum batten drift from stage            | 17.25m  |
| Minimum batten drift from stage            | 0.75m   |
| House Curtain                              | Set at Line #8 (0.18m Upstage of setting line)<br>Dark blue velvet with a centre split,<br>manually flown             |
| Masking standard rig                       | Wool  |
| Height of borders                          | 7m  |
| Width of legs                              | 12.3  |
| Depth of black mid stage tabs (dly only)   | 5.7m (Line #35)   |
| Depth of upstage black tabs (fly or drawn) | 10.4m (Line # 58)   |
| Depth of Cyclorama                         | 10.6m (Line #59)  |
| Depth of Legs                              | No. 1 (Line #18) - 2.2m<br>No. 2 (Line #38) - 4.3m<br>No. 3 (Line # 38) - 6.4m<br>No. 4 (Line #48) - 8.3m             |
| CLS Ali Rostra                             | Selection of rostra available for hire<br>2400x1200mm<br>300mm / 600mm / 750mm / 900mm<br>300mm with wheels available |
| Tarquett                                   | Available for hire  |
| Lectern                                    | 1 x 1.8m high, black  |
| Music Stands and Sconces                   | Supplied upon request   |
| Musicians Chairs                           | Supplied upon request   |
| Production Desk                            | Centre / Row G<br>Talk back as required   |
| Projection                                 | Able to be rigged from circle front, auditorium<br>stalls, backstage or projection booth                              |

N.B. There is no internal projection or AV hire available at AFC.

## PIANOS

| Piano                                       | Case Size       | Case Colour     |
|---|-----------------|-----------------|
| Yamaha Upright (1)                          | 1540mm x 675mm  | Polished Timber |
| Yamaha Upright (3)                          | 1540mm x 675mm  | Gloss Black     |
| Yamaha C7 mpe 227cm Piano (1)               | 1550mm x 2270mm | Gloss Black     |
| Yamaha C7 3/4 Grand (1)                     | 1550mm x 2270mm | Gloss Black     |
| Yamaha S7XPE Hand Crafted Concert Grand (1) | 1550mm x 2270mm | Polished Ebony  |
| Steinway Concert Grand (1)                  | 1580mm x 2740mm | Gloss Black     |
| Steinway Concert Grand (1)                  | 1580mm x 2740mm | Matt Black      |
| Roland Digital Grand (1)                    | 1445mm x 1500mm | Gloss Black     |

**N.B. Tuning will be arranged with notice**

## STAGE MASKING

|   |                            |
|---|----------------------------|
| Black Legs - No fullness                          | 12 x 9.5m high x 5m wide   |
| Black Borders - No fullness                       | 6 x 4m high x 19m wide     |
| Topping Border - No fullness                      | 1 x 6m high x 19m wide     |
| Sets of black Tabs (drawn curtains) - No fullness | 8 x 9.5m high x 8.5m wide  |
| Black Smother - No fullness                       | 1 x 8.5m high x 19m wide   |
| Cotton Cyclorama                                  | 1 x 9m high x 19m wide     |
| Plastic Cyclorama                                 | 1 x 9m high x 16.3m wide   |
| Black Gauze                                       | 1 x 8.5m high x 16.3m wide |
| White Gauze                                       | 1 x 8.5m high x 16.3m wide |

## LOADING DOCK

All deliveries are via a shared loading access area with the festival Theatre. Access is via arrangement only. Deliveries must be arranged and booked in advance.

|   |                                     |
|---|-------------------------------------|
| Dock Door opening                       | 3.15m high x 2.75m wide             |
| Height of access (ground level to dock) | 1.32m                               |
| Platform lift (ground level to dock)    | 1500kgg SWL hydraulic lift          |
| Lift Platform                           | 2.75m wide x 1.5m deep              |
| Max. height of platform lift            | 1.32m                               |
| Goods lift (dock to stage level)        | 7.3m depth x 2.4m wide x 2.75m high |
| Max. weight of goods lift               | 4355kg SWL                          |
| Theatre dock door / Workshop Dock door  | 3m wide x 5.5m high                 |

N.B. Vehicle restrictions are in place for the Drama Centre Dock. Access for trailers of 40Ft or more will require a cab-over prime mover only. Traffic management support is required.



## LIGHTING

|              |   |
|--------------|---|
| Control Room | 1 x ETC EOS Titanium Control Desk (4096 Channel) + ETC 2 x 20 Fader Wing<br>1 x ETC RPU Back up<br>1 x ETC RVI Production Desk displays<br>2 x Net3 CAN 4 Port Gateways |
| DMX          | DMX512 patching available   |

## STANDARD LIGHTING POWER

|  |               |
|--|---------------|
| 415V 50Hz 3phase and Neutral<br>240V 50Hz single phase                                       |               |
| 1 x 32A 5 pin 3 phase outlet   | Prompt Side   |
| 1 x 32A 5 pin 3 phase outlet. (up stage)<br>1 x Independent (Clean) feed, 100 amps per phase | Opposite Side |
| 1 x 3 phase, 65 amps per phase (5 pin Wilco outlet)  | Loading Dock  |

## PANORAMA BARS

|                            |   |
|----------------------------|---|
| 4 x bars total, 2 per side | 10m ShowTrek Gate Beam,<br>Hoisted by Jands VS2L zero fleet drum hoists |
|----------------------------|---|

## PATCHING

| Position          | Quantity                         |   |
|-------------------|----------------------------------|---|
| FOH               | 88                               | Circle Front (6 outlets)<br>Juliet Balconies (3 outlets per side)<br>Box Booms (8 outlets per side) |
| Stage (Fly Floor) | 164 outlets                      |   |
| Stage (Floor)     | 28 outlets                       |   |
| Spot Bars         | 4 x 30 outlets and 1 x Flood bar |   |

## DIMMERS

| Quantity | Capacity | Type               | Location  |
|----------|----------|--------------------|---|
| 132      | 2.4K     | Bytecraft Bytesize | Rack room & Patchable   |
| 108      | 5K       | Bytecraft IDS      | Rack room & Patchable   |
| 240      | 2.5K     | Bytecraft Solution | 12 x Racks distributed through Venue as<br>24 channels to circle rail<br>24 channels to PS void<br>24 channels to OP void<br>72 channels to PS gallery<br>60 channels to OP gallery |

## LIGHTING FIXTURES

| Lamp Type                                   | Beam Angle       | Quantity |
|---|------------------|----------|
| Selecon Arena HP 2kw Fresnel c/w barn doors | 9° to 56°        | 44       |
| Selecon Rama 1.2k Fresnel c/w barn doors    | 7° to 50°        | 44       |
| Selecon Acclaim Fresnel 650w c/w barn doors | 6° to 60°        | 10       |
| Pollux 5kw Fresnel c/w barn doors           | 12.5° to 56.5°   | 2        |
| ETC Source 4 Par 750w                       | VNSP/NSP/MFL/WFL | 48       |
| ETC Source 4 Profile                        | 14 degree        | 10       |
| ETC Source 4 Profile                        | 19 degree        | 20       |
| ETC Source 4 Profile                        | 26 degree        | 20       |
| ETC Source 4 Profile                        | 36 degree        | 40       |
| ETC Source 4 Profile                        | 50 degree        | 10       |
| ETC Source 4 LED Series 2 Lustr+            | 26 degree        | 8        |
| ETC Source 4 Zoom                           | 15/30 degree     | 30       |
| ETC Source 4 Zoom                           | 25/50 degree     | 20       |
| Iris 4 1k                                   | Cyc              | 8        |
| Orion 4 1k                                  | Ground Row       | 7        |
| ETC Source 4 Lens tube                      | 90 degree        | 1        |
| Robert Juliet Lucy Follow spots 1.2 HMI     | 13-24 degree     | 2        |

All lights FOH are permanently rigged and patched.

| Position       | Lamp Type                  | Beam Angle   | Purpose | Quantity |
|----------------|----------------------------|--------------|---------|----------|
| FOH Bridge # 1 | Selecon Pacific            | 12-28 degree |         | 10       |
| FOH Bridge #2  | Selecon Pacific            | 12-28 degree |         | 30       |
|                | ETC S4 LED Series 2 Lustr+ | 19 degree    |         | 8        |

N.B Colour media, dry ice, smoke fluid and other consumable stage materials are charged as used.

## SOUND

|                        |  |
|------------------------|--|
| Control Room           | 1 x Yamaha CL1 Digital Console with 32/24 Rio<br><b>Control room use only</b>  |
| Amplifiers             | 10 x Yamaha Monitors<br>2 x Yamaha 2002, 2x channel amplifier <b>Surround system only</b>  |
| Reproduction equipment | Qlab available for hire  |
| House PA System        | 1 x Meyer UPA speaker flown per side OP + PS<br>2 x Meyer UPA's speaker per side, Stalls<br>1 x Meyer USW Sub per side, Stalls<br>2 x Meyer UPA, flown, Centre Cluster<br>4 x Tannoy 12" Gold Speakers, set in auditorium walls, Stalls surround<br>8 x Tannoy 12" Gold Speakers, set in auditorium walls, Balcony surround<br>6 x Tannoy 5", flown, Balcony rear delays<br>4 x F200 EV, 12"wand horn floor wedges |
| Microphones            | A full range of microphones and stands available on request,<br>subject to availability  |
| Power                  | 1 x 32 amp outlet on OP side of stage, and C form points around the venue  |

N.B. sound consumables, including batteries, electrical tape, cable ties and gaffa tape will be charged as used.

## BACKSTAGE

### STAGE MANAGEMENT CONTROL SYSTEMS

|                                |   |
|--------------------------------|---|
| Stage Management Console       | Located in Prompt Corner<br>Fitted talkback, phone, stage sound speaker, FOH Stage monitor view, cast call and cue light system                         |
| Cue Light Master               | 16 channel Leon audio cue light system<br>QLM16 mk4, installed in the SM console  |
| Announcement Microphone        | Shure 58S on stand, installed in the SM console   |
| Riedel Intercom System – Venue | Control rooms, Technical Officers, OP and Ps corner,<br>Stage Management Console, Fly rail<br>10 x wireless comms – Acrobat WB2 belt packs and headsets |
| Stage Sound                    | Provided to all Drama Centre Dressing Rooms,<br>and common Drama Centre Green Room  |
| Cast Call                      | Provided to all Drama Centre Dressing Rooms,<br>and common Drama Centre Green Room  |
| Screens                        | Prompt Corner, Op and Ps wings  |
| Telephone System               | Direct communication to the House Manager, offices and box office<br>and Prompt Corner  |

## WARDROBE WORK ROOM

The Drama Centre's Laundry and Wardrobe Work Room is a shared facility between the Space and Playhouse. The Wardrobe Room has an approximate floor area of 25sq metres. It is equipped with:

- Worktable
- Ironing board and iron
- 2 x automatic washing machines
- 2 x tumble dryers and 1 upright dryer
- Washing tub
- 10 x mobile storage racks (dispersed through all dressing rooms)
- 1 x domestic sewing machine
- 1 x industrial sewing machine

## BACKSTAGE ACCOMMODATION

| Stage Level |           |            |   |
|-------------|-----------|------------|---|
| No. 1       |           |            | Service Space Theatre                             |
| No. 2       |           |            | Service Space Theatre                             |
| No. 3       |           |            | Service Space Theatre                             |
| No. 4       | 2 persons | 9 sq mtrs  | Power, ensuite - toilet, shower, basin, phone     |
| No. 5       | 2 persons | 9 sq mtrs  | Power, ensuite - toilet, shower, basin            |
| No. 6       | 2 persons | 9 sq mtrs  | Power, ensuite - toilet, shower, basin            |
| No. 7       | 2 persons | 9 sq mtrs  | Power, ensuite - toilet, shower, basin            |
| No. 8       | 2 persons | 9 sq mtrs  | Power, ensuite - toilet, shower, basin            |
| No. 9       | 2 persons | 9 sq mtrs  | Power, ensuite - toilet, shower, basin            |
| No. 10      | 9 persons | 20 sq mtrs | Power, ensuite - toilet, 2 x shower, basin, phone |
| No. 11      | 5 persons | 11 sq mtrs | Power, ensuite - toilet, shower, basin            |
| No. 12      | 5 persons | 11 sq mtrs | Power, ensuite - toilet, shower, basin            |