



# technical brief

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## THEATRE

STAGE	BACKSTAGE																																																								
<p><b>SEATING CAPACITY</b></p> <p>Total Capacity 1,948 seats (with Proscenium box seats held)</p> <p>Capacity reduced by use of the following:</p> <table> <tr><td>Small pit / Thrust stage</td><td>21 seats</td></tr> <tr><td>Medium pit / Thrust stage</td><td>74 seats</td></tr> <tr><td>Large pit / Thrust stage</td><td>131 seats</td></tr> <tr><td>Cockpit Sound console deployed in auditorium</td><td>19 seats</td></tr> </table> <p><b>FEATURES</b></p> <p>Floor Black painted tempered Weathertex stage floor Information regarding trapped sections is available upon request.</p> <table> <tr><td>Main Stage</td><td>38.8 (w) x 23.6m (d)</td></tr> <tr><td>Side Stage*</td><td>17.1m (opening), 19m (w) x 18.8m (d), 10.4m (clear h)</td></tr> <tr><td>Rear Stage*</td><td>19.9m (opening), 23.9m (w) x 19.6m (d), 9.5m (clear h)</td></tr> <tr><td>Resilient Floor (Ballet wagon)</td><td>19m (w) x 19m (d)</td></tr> </table> <p>*Available with prior arrangement as the Side and Rear Stages house stock equipment. Removal and restoration of equipment is at the expense of the user.</p> <p>Proscenium Opening Hard Proscenium 16.3m (w) x 14m (h at centre), 13.5m (h at sides) False Proscenium Adjustable opening 13.1m - 18.6m (width)</p> <p>Forestage Elevators Used as stage floor extension, auditorium seating area or orchestra pit.</p> <table> <tr><td>1 elevator (Small pit)</td><td>18m (w) x 3m (d)</td></tr> <tr><td>2 elevators (Medium pit)</td><td>18m (w) x 5m (d)</td></tr> <tr><td>3 elevators (Large pit)</td><td>18m (w) x 7m (d)</td></tr> </table> <p><b>MUSICAL INSTRUMENTS</b></p> <p>Piano Inventory:</p> <table> <tr><td>3 X Steinway D (9')</td><td>Concert Grand</td></tr> <tr><td>1 X Steinway B (7')</td><td>Grand</td></tr> <tr><td>1 X Steinway A (6')</td><td>Grand</td></tr> <tr><td>1 X Yamaha S6 (6')</td><td>Grand</td></tr> <tr><td>7 X Yamaha U5</td><td>Upright</td></tr> </table> <p>Use of pianos is subject to availability, therefore prior arrangement is essential. Esplanade's resident piano technician must tune all pianos before every public performance. Tuning Rates available upon request.</p>	Small pit / Thrust stage	21 seats	Medium pit / Thrust stage	74 seats	Large pit / Thrust stage	131 seats	Cockpit Sound console deployed in auditorium	19 seats	Main Stage	38.8 (w) x 23.6m (d)	Side Stage*	17.1m (opening), 19m (w) x 18.8m (d), 10.4m (clear h)	Rear Stage*	19.9m (opening), 23.9m (w) x 19.6m (d), 9.5m (clear h)	Resilient Floor (Ballet wagon)	19m (w) x 19m (d)	1 elevator (Small pit)	18m (w) x 3m (d)	2 elevators (Medium pit)	18m (w) x 5m (d)	3 elevators (Large pit)	18m (w) x 7m (d)	3 X Steinway D (9')	Concert Grand	1 X Steinway B (7')	Grand	1 X Steinway A (6')	Grand	1 X Yamaha S6 (6')	Grand	7 X Yamaha U5	Upright	<p><b>LOADING DOCK</b></p> <p>Accessed from Raffles Avenue. The Theatre's Rear and Side stages are directly accessed via two loading bays in the adjacent scenery store.</p> <table> <tr><td>Loading Dock Entrance Clear Height</td><td>4.2 m</td></tr> <tr><td>Dock Height from floor</td><td>1.13 m</td></tr> <tr><td>Loading Bay Openings (x2)</td><td>2.5m (w), 3.5m (h)</td></tr> <tr><td>Door from Scenery Store to Rear Stage</td><td>5.1m(w), 9.1m (h)</td></tr> <tr><td>Door from Scenery Store to Side Stage</td><td>5.1m (w), 9.1m (h)</td></tr> </table> <p><b>DRESSING ROOMS</b></p> <p>Each is equipped with make-up mirrors and tables, full length mirrors, telephones, sinks, toilets and showers with hot and cold running water, audio monitoring and paging systems.</p> <p>On Level 1 (Stage Level)</p> <table> <tr><td>6 nos. Dressing Room</td><td>Single occupant</td></tr> <tr><td>2 nos. Dressing Room</td><td>Can accommodate up to 18 persons, with 18 make-up stations</td></tr> </table> <p>On Level B1 (Under Stage Level)</p> <table> <tr><td>2 no. Musician's changing room</td><td>Can accommodate up to 15 persons, with 7 make-up stations</td></tr> </table> <p>Other dressing rooms, visiting company office spaces/production offices may be available upon request, subject to users' requirements in the other venues.</p> <p>(Note: The following facilities are shared with other performing venues.)</p> <p><b>GREEN ROOM</b></p> <table> <tr><td>Location</td><td>Basement One</td></tr> <tr><td>Facilities</td><td>Vending machines. Available to cast, crew &amp; Esplanade staff</td></tr> </table> <p><b>WARDROBE</b></p> <table> <tr><td>Location</td><td>Basement One</td></tr> <tr><td>Facilities</td><td>Wardrobe maintenance room, Wig maintenance room, Laundry room with 2 washers &amp; 2 dryers.</td></tr> </table> <p>All wardrobe equipment shall be operated by Esplanade staff.</p>	Loading Dock Entrance Clear Height	4.2 m	Dock Height from floor	1.13 m	Loading Bay Openings (x2)	2.5m (w), 3.5m (h)	Door from Scenery Store to Rear Stage	5.1m(w), 9.1m (h)	Door from Scenery Store to Side Stage	5.1m (w), 9.1m (h)	6 nos. Dressing Room	Single occupant	2 nos. Dressing Room	Can accommodate up to 18 persons, with 18 make-up stations	2 no. Musician's changing room	Can accommodate up to 15 persons, with 7 make-up stations	Location	Basement One	Facilities	Vending machines. 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FLY SYSTEM	SOUND
<p><b>HOUSE CURTAIN</b> Colour: Red velour (Operation: Flies or Travels)</p> <p><b>RIGGING SYSTEM OPERATION</b> Control: Waagner-Biro CAT System Location: Second Gallery Stage Left (PS)</p> <p><b>FLY LINESETS</b> Quantity: 103 overstage battens including House Curtain Distribution: 200mm centres (Refer to Hanging Plot for specifics) Description: Prolyte Protrack battens with 48mm dia. bottom pipe Length: 21m Maximum Capacity: WLL of 750kg (Uniformly Distributed Load) Max SWL of 500kg for battens programmed to move at full speed 300kg (Point load) Speed: Variable, 50-1700mm/sec Max. Fly Height: 28.5m</p> <p><b>OTHERS</b> (available on prior request): 250kg point hoists 1000kg Prolyft chain hoists Concert Truss Systems</p> <p><b>REAR STAGE FLY BARS</b> Quantity: 10 - Permanently mounted in Rear Stage ceiling Distribution: Fixed @ 2m centres Maximum Capacity: 500kg (Uniformly Distributed Load) Speed: Fixed @ 0.2m/sec. Max. Fly Height: 9.5m</p>	<p><b>LOCAL POWER SUPPLY</b> Situated Downstage Left (Prompt side) 230 Volt 50 Hz 125 Amp 3 phase C-form outlet with isolated earth. 63 Amp 1 phase</p> <p><b>MIXERS</b> Control Room: Stagetec Crescendo digital console Cockpit: Digico SD7</p> <p>Cockpit elevator wagon, located at Rear Center stalls. Front Width 3.6 m Rear Width 4.5 m Depth 2.2 m</p> <p><b>MICROPHONES &amp; MIC STANDS</b> An assortment of microphones and radio-microphones is available. List upon request as microphones are shared across all venues.</p> <p>Wireless miniature microphone capsules are available on request and rental charges apply.</p> <p>Any microphones that cannot be catered for are to be brought in by the hirer.</p> <p><b>DEFAULT FOH SPEAKERS</b> d&amp;b audiotechnik C7 installed systems comprising of Left, Centre, Right Main Clusters and Fill Systems.</p> <p><b>ACOUSTIC FEATURES</b> Auditorium has remotely deployable Acoustic Banners for Amplified applications.</p>
<b>LIGHTING</b>	<b>COMMUNICATIONS</b> Stage Manager's desk, Cuelights & Accessories, Intercom & Accessories, Video Cameras & Accessories, Video Monitors & Accessories, Assisted Listening system, & Supertitles System.
<p><b>LOCAL POWER SUPPLY</b> 230 Volt single phase, 50 Hz</p> <p><b>ADDITIONAL POWER</b> A 3-phase, 600-Amp distribution, is situated Mid-Stage Left (Prompt side). Connection is to bus bars, by 12mm bolt and the hirer should provide necessary, bare-end, lugs. Power connections, to isolators, are subject to inspection by a Licensed Electrical Worker (LEW) and the hirer must provide ELCB + overload protection.</p> <p><b>STANDARD RIG</b> A standard pre-focused lighting rig exists FOH-only. There is no standard light rig overstage - it is a bare rig. Onstage lighting must be set for each production and all expenses for the setup and subsequent strike are to be borne by the user.</p> <p><b>CONTROL &amp; CONSOLE</b> The Theatre Lighting System is controlled by a grandMA2 Full-Size Computerised Control System with a grandMA2 Network Processor Unit (NPU), grandMA2 Replay Unit (RPU) and a MA onPC tracking backup systems. All systems have 4096 parameters and use the MA-Net2 Protocol over Ethernet System for DMX-512 distribution</p> <p><b>DIMMERS</b> 400 x 2.4kW dimmers 100 x 5kW dimmers 100 x 2.4kW non-dimmed outlets</p>	
	<p><b>CONNECTOR TYPE</b> 16 Amp, CEE17</p> <p><b>EQUIPMENT</b> Onstage is a selection of 750W Source 4s and 600W SL profile luminaries, 2 and 5 kW fresnels, 2.5 kW PCs and 1kW Iris 4 Cyc Floods, some of the fixtures may be fitted with Rainbow colour scrollers.</p> <p>These are complemented with Martin Mac 2000 Washes, Profiles and Performances. Other effects can be arranged as required.</p> <p><b>FOLLOWSPOTS</b> 4x RJ Cyrano 2.5kW HMI 3/8°</p>