



Venue Specifications – Founders Theatre

Founders Theatre

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Introduction

We hope you find this document useful in outlining the venue and equipment details of Founders Theatre. Hamilton City Theatres is part of the Hamilton City Council and venue managers of Founders Theatre and Clarence St Theatre.

Theatre details- stage

Width proscenium opening	12.64m	41'6"
Height proscenium opening	6.76m	21'10"
Width stage wall to wall	19.74m	64'9"
Width between fly floors	14.94m	49'
Height below fly floors	6.10m	20'
Height from grid to stage	15.44m	50'6"
From front edge of apron to back wall	16.76m	55'
From setting line to back wall (setting line behind fire curtain)	11.58m	38'
From front of apron to setting line	5.18m	17'
From front of main stage to setting line	1.30m	4'4"
Loading dock	12.22m x 5m	
Workshop/scenery store (note some theatre equipment often stored here)	12.22m x 5.8m	
24 counter weight sets 250kg UDL (Max load in cradle)		
Large weights	13kg	
Small weights	4.5kg	
22 hemp hand lines 75 Kg UDL		
3 tab tracks (1 on fixed winch position)		
5 spot bars (fixed winch position)		

Doors

Door between dock and stage:	5.50m high	2.50m wide	
Wooden sliding door			
Loading dock door:	4.55m high	2.90m wide	1.05m above ground level
Electric roller door			



Apron

The stage apron lowers to form an orchestra pit approximately 12m x 5m. It cannot be extended.

The apron can be positioned at any level below stage. It travels 2350mm from top to bottom.

When used as a mosh pit or dance space in GA mode the apron is stopped at the auditorium floor level and requires the installation of additional support beams. Charges apply.

Auditorium

Seating capacity	1249
Stalls: (Front section)	554
Circle: (Back section)	695
Twelve "House" seats will be reserved	12
Saleable Seating therefore	1237

The apron stage can have an additional 60 linked chairs in three rows added for extended capacity if warranted. We generally don't remove seating blocks from the auditorium.

The auditorium has a dedicated wheelchair area that can be reserved through the normal seat booking options. Access to this area from the foyer level is via a lift which is also available to patrons who have difficulty using stairs

BOH

Dressing rooms

There are 11 numbered dressing rooms available, 1 and 2 located directly behind the stage, 3 and 4 off OP side of stage and the balance on the first floor on O.P.

Production office

Dressing room 1 and 2 are suitable as production/ promoter offices for two – three people.

Internet

Open wireless internet access is available in the production office and / or green room and is currently configured to allow access to 15-20 users.

A login and password will be issued by the venue technician. The activation fee is \$25 per day.

Production & performer phone

A dedicated, unrestricted phone line is available upon request.

Charges may apply based on outgoing calls made.



The Guest Room

This rehearsal or seminar room is also available within the theatre accessible from the stage door on the ground floor. This room may be hired separately for functions, rehearsals and workshops or hired in conjunction with theatre hire as an extra dressing/warm-up or catering room.

Max capacity 50 persons.

Pianos

The venue has two Steinway Model D 9' Grand Pianos (1972/ 2004) and a Bluthner upright piano.

Additional charges apply for the use of the Grand Pianos which include one tuning.

The following equipment is generally available, to ensure the appropriate equipment is available please forward the appropriate lighting, sound and rigging schedules well in advance of the booking.

A **Genie GS-1932** electric self propelled scissors hoist is usually available for focusing and rigging, maximum working height 7.6m, 227kg lift capacity.

Intercoms

There are 5 talk back/clearcom packs available for use by production staff in addition to the stage manager's master station. There is also a full dial up system available throughout the building.

Temporary power

Location: Prompt side/ stage left. All supplies are individually fused at their full rating.

Total supply from this switchboard is 600 amps per phase.

1x	400 amp 3 phase Powerlock
1 x	63 amp 3 phase Ceeform sockets
3x	32 amp 3 phase PDL56 sockets
12x	10 amp 1 phase power points

Standard lighting equipment available

12	Robert Juliet Zoomspot	2.5Kw narrow
6	Selecon 5-15 Pacific	1.0Kw
22	Selecon 23-50 Pacific	1.0Kw



12	Selecon 14-35 Pacific	1.0Kw
60	Selecon Rama HP Fresnel	1.2Kw
18	Selecon Arena HP Fresnel	2.0Kw
6	Selecon Linear Cyc Floods 4 compartment	1.25Kw / lamp
2	Selecon MSR 1400 Rua Follow Spot	

Dimmers and ancillary equipment

220 channels Strand EC21 3kW dimmers

GrandMA Lighting desk

Front of house- lighting positions

<p>FOH 1:</p> <p>3.4m in front of pit edge / apron stage</p> <p>9.9m stage level to bar</p> <p>Channels 31 to 72 are available at the FOH 1 patching panel</p> <p>Four non-dim remote switched power circuits are available on this bar</p>	<p>FOH 2:</p> <p>9.8m in front of pit edge / apron stage</p> <p>9.5m stage level to bar</p> <p>Channels 1 to 30 are available at the FOH 2 patching panel</p> <p>Two non-dim remote switched power circuits are available on this bar</p>
<p>FOH Perches:</p> <p>4.5m in front of pit edge / apron stage</p> <p>3.0m above stage to bottom of perch</p> <p>5.7m useable height in perch</p> <p>The perches are split into two levels; each level will hold four Selecon Pacifics and have patch points available. They patch at the FOH 1 patching panel</p>	<p>Apron Perches:</p> <p>0.9m in front of main stage edge</p> <p>2.7m behind pit edge (centre)</p> <p>3.0m above stage to bottom of perch</p> <p>5.0m useable height in perch</p> <p>The onstage perches each have eight patching points available. They patch at the Stage Platform patching panel.</p>



Onstage lighting positions

General notes

There are five spot bars on stage, all double hung. Spot bar five is the cyc lighting bar. See grid plan for positions.

Box booms

1.1m behind the proscenium arch

3.0m above the stage

2.9m useable height in the boom

Each box boom has six patching points and patch at the stage platform patching panel.

Patching

Onstage patching

There are nine cable dips on stage. The PS and OP side dips each contain six patching sockets and the upstage dips each have three patching sockets. There is a single cable dip in front of the proscenium arch on PS with six patching sockets; all sockets patch at the Box Boom platform patching panel.

- There are three patching lines available at stage level on each side of the proscenium arch. These patch at the stage platform patching panel.
- The stage platform patching panel has channels 73 to 120 with four remote switched power circuit points available.
- The non-dim remote switched power circuits are all rated at 10 amps and are switched from a panel in the stage managers corner, P.S.

Gel types and colours

We use Chris James gel in all our luminaries and keep a good stock of the Chris James range of gels.

Sound system

Console

Allen & Heath ML3000, 32 Ch, 8x VCA, LCR. There are 8 auxiliary sends.

Speaker system

The Speaker system is a Meyer system consisting of LCR flown line array. Left and Right consist of 8 x M1D and 2 x M1D-sub each. The Centre cluster consists of 10 x M1D. The speakers are fed via a BSS Soundweb DSP. The DSP settings are not adjustable by the user.



Two additional 400w amplifiers are available in the rack to drive foldback or auxiliary speakers. There are 4 x Turbosound 12" + horn wedges available with 4 x monitor sends prewired.

Playback equipment available (confirm requirements)

1x CD Player

1 x Ipod/CD Player

Microphones

Requirements to be specified

Waylines

There are a total of 98 waylines to the sound desk, 12 return waylines to the stage managers corner and 31 foldback speaker waylines from the amp rack.

Standard cloths available

6 x pairs of black wool serge legs

5 x black wool serge borders

3 x tabbed black wool serge curtains

1 x Black smother

1 x full white PVC cyclorama

Flying & rigging

In addition to the House PA points, two PA rigging positions are available downstage of the Proscenium arch next to the house PA on either side of the stage.

There are four additional LX rigging points available downstage of the proscenium arch.

All rigging points are limited to 750kg incl hoists and rigging.

Rigging plans including weights require approval of the Technical Services Manager prior to production pack in.

There are 48 sets of lines available:

24 of these are counter weighed, the remaining 24 being hand lines.

They are all controlled from the OP fly floor.

All spot bars and the upstage Tab track (Tab 3) are on hand winches on the PS fly floor. All winch lines rise a maximum of 8.6m above the stage floor. The head battens are 13.5m long.

The downstage tab track (Tab1) and midstage tab track, (Tab 2) are on counterweights 7 and 16 respectively.



Load capacity

Winches: 450kg UDL,

Counterweights: 250kg UDL

Point load 100kg SWL

Hand lines: 70kg UDL

Sound Shell wall (stained ply on timber frame) is flown by chain hoist– please advise if this is required for the performance or required to be removed.

Please see grid plan for details.

Founders Theatre grid plan

Last updated: March 2015

Note: All spot bars and upstage tab track are at permanently fixed winched positions.

("Standard" rig given)

(All measurements from House curtain, measurements are approximate and may move)

Distance from House Curtain in mm	Position	Hang Point type	Founders Standard Rig
-150	-1	Counter weight	Fire Curtain
0	0	Counter weight	House curtain
150	1	H/L	No 1 House border
250	2	H/L	No 1 House legs
400	3	450kg winch	Spot bar 1
800	4	Hand Line 1	
950	5	Counter weight 1	
1050	6	Counter weight 2	
1150	7	Counter weight 3	
1400	8	450kg winch	
1600	9	Counter weight 4	
1720	10	Counter weight 5	No 2 Border
1850	11	Counter weight 6	No 2 Legs



Distance from House Curtain in mm	Position	Hang Point type	Founders Standard Rig
2000	12	Counter weight 7	No 1 Tabs (downstage)
2400	13	450kg winch	Spot bar 2
2700	14	Counter weight 8	
2800	15	Counter weight 9	
2900	16	Counter weight 10	
3100	17	Counter weight 11	
3250	18	Counter weight 12	
3400	19	450kg winch	
3650	20	Counter weight 13	
3800	21	Counter weight 14	No 3 Border
3900	22	Counter weight 15	No 3 Legs
4100	23	Counter weight 16	No 2 Tabs (midstage)
4450	24	450kg winch	Spot bar 3
4700	25	Counter weight 17	
4850	26	Counter weight 18	
5000	27	Counter weight 19	
5200	28	Counter weight 20	
5300	29	Hand line 2	
5550	30	Hand line 3	
5700	31	Hand line 4	
5900	32	Hand line 5	
6000	33	Hand line 6	
6100	34	Hand line 7	No 4 Border
6250	35	Hand line 8	No 4 Legs
6500	36	450kg winch	Spot Bar 4
6800	37	Hand line 9	
6950	38	Hand line 10	
7100	39	Hand line 11	



Distance from House Curtain in mm	Position	Hang Point type	Founders Standard Rig
7300	40	Hand line 12	
7400	41	450kg winch	No 3 Tabs (Upstage)
7700	42	Hand line 13	
7800	43	Hand line 14	
7900	44	Hand line 15	
8000	45	Hand line 16	No 5 Border
8200	46	Hand line 17	No 5 Legs
8350	47	450kg winch	Spot Bar 5 Cyc lighting
8800	48	Counter weight 21	
8900	49	Hand line 18	
9200	50	Hand line 19	
9600	51	Hand line 20	No 6 Border
9800	52	Counter weight 22	
10100	53	Counter weight 23	Smother (black)
10250	54	Hand line 21	No 6 Legs
10400	55	Counter weight 24	Cyclorama
10600	56	Hand line 22	



Additional Equipment available

Please advise us of your equipment requirements as early as possible as stock and availability vary depending on event schedule and demand.

If the equipment you require is not listed or available in house then we are happy to source it for you from other supplier.

Additional charges apply for all equipment not included in the venue hire agreement.

Audio	
Meyer UPJ	Small portable speaker active
Meyer UPM	Small portable speaker active
Meyer UMS SUB	Double 10" sub active
Meyer HP 700	Active Sub Speaker
Meyer Gallileo 616 Processor	In combination with Meyer Subs
Turbo sound THS 12	Stage monitor
JBL X Series Speaker	Double 12" and 2" horn
JBL X Series Speaker	Double 18" sub
Crown 2400 amps +dbx PA2 processor	
Sennheiser LSP 500 Pro	Wireless intergrated portable speakers
Microphones	
Sennheiser HH EW 300	Wireless microphone
Sennheiser Pack EW 300	Wireless lapel
Sennheiser HH EW 100	Wireless microphone
Sennheiser Pack EW 100	Wireless lapel
Sennheiser HH EM 2050	Wireless microphone
Sennheiser Para Antenna	Parabolic transmitter antenna
DPA Headset	Headset microphone
DPA lapel	Lapel microphone
Countryman E6	Headset microphone
NHS 777	Headset microphone
Shure MX202	Overhead microphone
Shure EZG12	Gooseneck lectern mic

Shure Beta 56	Wired microphone
Shure Beta 57	Wired microphone
Shure SM 58	Wired microphone
Shure 819	Surface mount microphone
Shure Beta 91	Surface mount microphone
AKG C568 EB	Shotgun microphone
AKG C451B	Condenser microphone
AudioTechnica	Condenser microphone
CD player	Rack mounted unit, single disk
iPod/DC player	Rack mounted unit
Mini disk player	Rack mounted unit
DI- Box	passive DI box
PC-DI box	Laptop AV output to audio
Consoles	
Allen & Heath	ML 3000 32 ch, 8 x VCA, LCR, 8 Aux sends
Ramsa	Ramsa 24/4 desk
Yamaha PM5D	Digital console
Dante Network for PM5D	16 port network switch HPV-16g, HP SFP Fibre adaptors, 16x NL ethercon
Yamaha CL3	Digital console
Yamaha RIO 3324-D Stage Box	Digital 32 channel stage box
Lighting	
Selecon Fresnel 1 K	1000 W theatre light
Selecon Fresnel 2 K	2000 W theatre light
Selecon Pacific 23/50	1200 W theatre light
Selecon Pacific 14/35	1200 W theatre light
Selecon Pacific 05/13	1200 W theatre light
Selecon Zoomspot	1200 W theatre light
Selecon Cyc floods	1200 W/ lamp flood light, 4 lamps per unit
FineArt 250	Moving light
Litecraft LED Moving wash	LED Moving wash light RGBW DMX
Litecraft LED Multipar	LED Par RGBW DMX



Selecon MSR Follow spot	Follow spot
Selecon RUA	Follow spot
Robert Juliat 575 W HMI	Follow spot
LX FX	
UV Lights	UV fluorescent dual tube fitting 4ft.
Atomic Strobe	3000 W DMX capable
Hazer	Oil based atmospheric smoke machine
Smoke machine	Jem Magnum 2000
Mirrorball 12"	No motor
LED Fairylights	LED chain light 10 m
LX Control	
Grand MA	Lighting console
ETC Gio 4K	4096 outputs, 2 x 20 fader wings, 4 port gateway
ETC Element 60	Lighting console w 500 channels, 40 Submaster
Strand 520	Lighting console w Genius+Pro software
Strand 530	Lighting console w Genius+Pro software
ELC Sidekick	small 10 channel, faderwing or standalone desk
Theatreight Dimmer	12 channel dimmer unit
Theatreight Dimmer rack	36 channel digital dimmer, road case, patch bay
Draperies	
Back drop red	Crushed red velvet, stepped, approx 10 x 5.5 m
White drops	brushed, white fabric, 1.2m x 5.2 m
AV-	
Epson LCD EBX6	LCD data projector
Panasonic D6000S	Video projector 3.2 K colour brightness
Epson EB-Z8455WUNL	Video projector 7k colour brightness
TechFold 200" Rear/Front Pro screen	16:10 Aspect ratio, (widescreen), truss frame
Da Lite Rear Pro screen	6'x9' rear projection screen w leg kit
Da Lite Rear Pro screen	9'x12' rear projection screen w leg kit
Video switcher	Video switcher
Panasonic 42" LCD	Plasma screen w hanging brackets for truss



Truss & Base	Base & 2m Truss for LCD screen
Whiteboard BF 041S	White board with copy function
Communication	
Comms base station	Rack mounted unit
Belt packs w headset	additional units, hard wired
Motorola CP 476	Radios, 40 channel, programmable
Stage - misc	
Music stand	K+M Orchestra music stand, black
Music stand lights	Small, clip on LED lights, 2 settings
Lectern L20S	black, w XLR microphone input
Lectern wooden	basic wooden lectern
Showquip stage riser	1.2m x 2.4m x 0.3m
Showquip stage riser	1.2m x 2.4m x 0.6m
Prolyte Stage risers	1m x 2m- 200,300,400,600 mm legs
Prolyte Stage risers	1m x 1m- 200,300,400,600 mm legs
Prolyte Stage risers	1m x 0.5m- 200,300,400,600 mm legs
Trestle tables	2.4 m, solid wooden top, folding
Bistro table	Square, grey 1m x 1m
Instruments	
Steinway Grand Piano	2004 Grand Piano, 9'D type concert
Steinway Grand Piano	1972 Grand Piano, 9'D type concert
Bluthner Upright piano	
Yamaha upright piano	
Piano tuning	Piano tuning by certified Tuner
Cables	
Microphone cables	5m-15 m
DMX cable	5m-20m
AC leads	10 amp single phase 5m-30m
32 amp cable	32 A 3phase PDL56 30m
64 amp cable	64 A ceeform 3 phase leads
400 amp cable	400 A powerlock cable



400 amp distro	400 A to 64/32A 3 phase/ 15A single phase
32 amp distro	32 A 3phase PDL56 to single phase
Guard Dogs	Heavy duty cable tray- 5 cable
Truss	
F 32 Global Truss	Ladder truss 3m
F 32 Global Truss	Ladder truss 2.5m
F 34 Global Truss	Box truss 300 mm x 3m
F 34 Global Truss	Box truss 300 mm x 2.5m
F 34 Global Truss	Box truss 300 mm x 2m
F 34 Global Truss	Box truss 300 mm x 1.5m
F 34 Global Truss	Box truss 300 mm x 1m
F 34 Global Truss	Box truss 300 mm x 0.5m
F 34 Global Truss	2 way corner section
F 34 Global Truss	3 way corner section
F 34 Global Truss	T section
Slick folding truss	Tri truss 2.4m, folding
Truss bases & plates	
F34 base plate small	0.35m x 0.35m alum base plate for F34 truss
F34 base plate big	1m x 1m steel base plate for F34 truss
Boom pole & plate	.0.6m x 0.4m steel plate w 2m boom pole
Floor mount	Floor stand for LX fixtures
Rigging	
Lodestar hoist 1 ton	Rigging chain motor 1 ton 60ft
Lodestar hoist 1/2 ton	Rigging chain motor 1/2 ton 60ft
Motor cable	5m -30 m
Motor controller	12 channel motor controller
Rigging Miscellaneous	Ropes, slings, soft steel, shackles, sash etc
Expendables	
Gaffa tape black	2" black cloth tape
Gaffa tape white	2" white cloth tape
Gel cut	Chris James lighting filter

