



# Te Whare Tapere Whakamaumahara o Te Hāwera Āhuatanga Hangarau 2022

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## Hāwera Memorial Theatre Technical Specifications 2022



## Theatre Capacity

P section	78
C Section	175
OP Section	78
<b>Total</b>	<b>331</b>

Removable for Wheelchairs	A7 – A14
Covered by optional Sound Table	M7 – M10

## Stage Information

Stage Deck	18mm MDF over tongue and groove, painted black
Orchestra Pit Cover	18mm Plywood, painted black

## Stage Rake

None, Level

## Pro-Arch Stage Opening

Width 9.1m x Height 3.58m

## Stage Depth

Pro-Arch to back wall	12.25m to face of columns
Apron	1m
Orchestra Pit Cover	1.6m Curved to 2.1m at Centre
<b>Total Depth Pit Uncovered</b>	<b>13.25m</b>
<b>Total Depth Pit Covered</b>	<b>15.35m</b>
NB: Pro-Arch to Line 47 (Cyc)	11.1m

## Stage Width

Inside Pro-Arch	9.1m
P Side Wing	3.2m to Fly rail
OP Side Wing	3.9m to Wall, stepped to 2.25m for piano cover
Between Fly floors	12.7m

## Elevations from Stage

To underside of Fly floors	4.2m
To I-beams (no Grid)	11.14m Downstage, slopes to 10.58m Upstage



## Orchestra Pit

Width (openable)	8.15m
Additional 1m curved at each side of pit with fixed covers	
Depth	2.2m Curved to 2.6m at Centre
Height	1.08m to Ground level 2.15m to Stage

The Orchestra Pit cover is removable in 7 sections. Requiring at least 4 people and to be completed under supervision of the Theatre Manager or Venue Technician.

When not used the cover is usually stored on the floor of the pit raising the level 150mm, or may be stored in the band room. Each section has standard scaffold pipe leg sockets allowing the pit to be raised to any height.

A limited supply of pipe lengths is available.

## Loading Dock

Door Width	2.4m
Door Height	4.3m
Dock Width	4.3m
Dock Depth	3.8m
Height	1.2m to Ground, there is a concrete step in front of the dock, a standard truck box clears this and meets edge of the dock.
Dock to stage level	140mm step, we do <b>NOT</b> have a ramp. Everything will need to be lifted.

## Stage Access

Primary access to the stage is via a backstage staircase from the green room.

Secondary access is via a set of steep narrow stairs located either side of the orchestra pit.

No wheelchair access to the stage.

## Green Room

Under the stage, stair access from the foyer and from Stage Door at back of the building.

No wheelchair access to the green room.

Various chairs and tables, full length mirror, TV – stage monitor, heater

Men's and Women's bathrooms.

Kitchen area:

- Zip hot water
- Microwave
- Under counter bar fridge
- Double-draw dishwasher
- Various cabinets
- Limited coffee mugs

## Dressing Rooms

Off green room, Men's, Women's and Band/Children's (cap 25+ each)

Makeup mirrors with lights, ceiling hung clothes rail, chairs, heaters (men's and women's only)

## Flying

25-line 3 wire counterweight system (every second line of 47 currently installed)

Operated prompt side, at stage level.

Batten Length 12m

Batten Dimensions 50 x 75mm RHS

Maximum Batten Load 250kg distributed along length of batten

Maximum Point Load 100kg anywhere along battens length, 250kg under suspension wire

Trim Chain Length 650mm

NB: Roof slopes from DS to US resulting in lower dead's and less drift further US.

Lineset	Distance From Pro-Arch (m)	House Use	Batten in-dead (m) (Top of Batten)	Batten out-dead (m) (Top of Batten)	Maximum Drift (m)
House Curtain	0.25	House Curtain	N/A	N/A	N/A
Fixed Pipe	0.95	LX 0.5 & Legs # 0.5	N/A	4.60	N/A
1	1.10	NB: Interferes with lights on LX 0.5	1.41	9.91	8.50
3	1.52	LX 01			
5	1.94	Legs # 1			
7	2.36				
9	2.78				
11	3.20	Border # 1			
13	3.62	Legs # 2 w/ Returns			
15	3.94*	LX 02			
<b>- STRUCTURAL BEAM -</b>					
16	4.36		1.41	9.71	8.30
18	4.78	Border # 2			
20	5.20	Legs # 3 w/ Returns			
22	5.62				
24	6.04	Border # 3			
26	6.46	LX 03			
28	6.88	Draw Tabs			
30	7.30				
32	7.72				
34	8.14	Smother Curtain	2.06**	10.36**	
<b>- STRUCTURAL BEAM -</b>					
35	8.58*	Legs # 4 w/ Returns	1.41	9.51	8.10
37	9.00	LX 04			
39	9.42	Border # 5			
41	9.84	LX 05 (Cyc Lights)			
43	10.26				
45	10.68	Legs # 5			
47	11.10	Cyclorama			

\* Non-standard spacing due to structural beam

\*\* Trim chains removed to allow Smother higher dead



## FOH Lighting Positions

**FOH 1 (Gallery)** - accessible through roof space, also followspot location

Height 4.3m from stage level  
Distance 3.3m from US side of Pro-Arch  
Dimensions 48.3mm pipe, 12m long

### FOH 2 (Audience Hooks)

Lighting positions 4 single light hooks, 1200W PCs installed as house plot  
Height 3.93m from stage level  
Distance 6.7m from US side of Pro-Arch

### FOH 3 (Perch Ladders)

Lighting positions 6 across 3 levels  
Heights 2.53m, 3.23m, 3.93m from stage level  
Distance 6.7m from US side of Pro-Arch  
7.3m either side of stage centre line

## Power

### PDL Cat56 40 amp Sockets

5x Fly floor OP 2x FOH 1 (Gallery)

### PDL Cat56 32 amp Sockets

1x Fly floor USOP 1x Stage level P Proscenium  
1x Stage level OP Proscenium

### 400 amp Powerlock

1x Stage level CSOP, changeover switch from Fly floor PDLs

### 10 amp Double Socket

Various locations around theatre including:

- Stage level
- Dimmer bay (Fly floor)
- Followspot location (Gallery)
- Lighting box
- Orchestra Pit

## Comms

6x Corded belt packs and headsets are available and connect the following locations:

- Stage Manager position P
- Assistant Stage Manager OP
- 2x Followspot location (Gallery)
- 2x Lighting box

## Equipment

### Lights

27x	Selecon 1200W Fresnel	20x	ShowPro RGBAL w/ Zoom LED Fresnel
12x	Selecon 1200W PC	2x	Strand 1000W Harmony F
14x	Selecon Pacific 12/28	2x	CCT 1000W Silhouette Profile
3x	Selecon Pacific 45/75	6x	Theatreight Powerpack 12ch Dimmers (5 on Fly floor Dimmer bay, 1 in Gallery)
5x	Selecon 1000W 3 cell Lui Cyc	1x	Theatreight Cuemaster 120ch Desk
2x	Selecon 500W Cyc		
1x	GrandMa3 Command Wing XT - including 2x touchscreen monitors		
2x	Selecon 1200W 18/34 Zoomspot, setup as followspot with dimmer and iris (in Gallery)		
1x	Hardwired Theatreight 8way DMX Splitter, drops at 40A PDLs & Powerlock		

### Power

5x	20way Flex loom (LX Bars 1-5)	1x	13way Flex loom (Gallery)
-	Assorted 10A AC Leads	16x	3m powerCON/DMX combo cables

### Sound

8x	EM Acoustics HALO-C line array	2x	EM Acoustics HALO-CS flown subwoofer
4x	EM Acoustics EMS-51 – front fill	4x	EM Acoustics EMS-61 – onstage foldback
1x	EM Acoustics EMS-81X – centre	1x	EM Acoustics DQ10 Amp – Main PA
1x	Yamaha TF5 Console w/ Dante	1x	EM Acoustics DQ6 Amp – Fill & foldback
2x	Yamaha Tio racks	6x	Sennheiser EW100 G4 radio receivers
6x	Sennheiser antenna distribution	12x	Sennheiser EW100 G3 radio receivers
6x	Sennheiser handheld mics	12x	Sennheiser belt pack transmitters
12x	Generic Madonna/Headset mic	12x	Sennheiser Omni-directional lavalier mic
2x	Crown PCC160 surface mic	3x	Shure SM58 mic
4x	Shure SM57	2x	EV RE90H Cardioid pattern hanging mic
1x	32/8ch snake – FOH to OP stage	1x	7.6m 8ch snake
4x	Tall boom mic stands	1x	Ethercon cable – FOH to Tio racks (OP)
4x	Short boom mic stands	1x	CarvinXP 1000L 10ch mixer/amp
-	Assorted XLR cables	2x	RCF ART310 portable speakers

### Video

Epson EB-2265U 5,500 lumen projector, mounted under DS crossover focused onto Cyc.  
HDMI connections at Stage Manager position DSP and lighting box.

### Access Equipment

1x	Genie AWP-20S, 8.12m lift	1x	4.8m A-frame ladder
1x	3.95m A-frame ladder	1x	4.8m Pole ladder

### Miscellaneous

1x	Marshall and Rose upright piano	1x	Steinway and Sons grand piano
1x	Lectern	-	Tables and Chairs



## House Lights

Switched at Stage Managers position

Dimmable at Stage Manager and lighting box, highest takes priority

RGB LED lights installed in the ceiling steps and wall art are switched in the lighting box. These are normally DMX controlled through the lighting desk or can be set on a slow colour scroll by request to the Venue Tech.

## Drapery

Drape	No.	Fabric	Pleat	Width	Drop	Notes
Main Curtain	1	Red Velvet	Pleated	2x 5m	3.8m	Centre opening, hand winch
Legs	1 set	Black, heavy-weight wool serge	Flat	1.5m	4.5m	
	2 sets	Black, heavy-weight wool serge	Flat	2.25m	5.5m	
	4 sets	Black, heavy-weight wool serge	Flat	3m	5.6m	
Borders	4	Black, heavy-weight wool serge	Flat	12m	2m	
Tabs	1 set	Black, heavy-weight wool serge	Pleated	2x 6.5m	5.7m	Centre opening, hand pull
Smother	1	Black, heavy-weight wool serge	Flat	12m	5.5	
Cyc	1	PVC, milky white	Flat	12m	5.55m	

## Internet

Wi-Fi is available to Hirers, ask Theatre Manager or Venue Technician for password.

## Parking

Limited parking is available behind and beside the theatre for crew and cast, shared with the Tennis and Squash club next door. The Hawera Community Centre complex (including theatre) is next to a large carpark audience members can use, as well as a smaller carpark across the road behind the Cinema when spaces are available, and on-street parking.

## Additional Staff

Front of house staff and ushers can be arranged through the Hawera Memorial Theatre Trust.

Contact the trust for more details. [Haweratheatretrust@gmail.com](mailto:Haweratheatretrust@gmail.com)

## Contact Details

For further information or bookings contact STDC and Theatre Manager

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