

TECHNICAL SPECIFICATIONS

Updated 25th February, 2015

(Please ask for updated questionnaire if more than six months after this date)

CAIRNS CIVIC THEATRE

9 – 11 Florence St,
Cairns, 4870, Queensland, Australia.



- CNR FLORENCE & SHERIDAN STREET
- PO BOX 359, CAIRNS QLD 4870
- PHONE: +61 7 4050 7777
- FAX: +61 7 4050 7780



STAGE / MECHANICAL

STAGE FLOOR:

4.8mm Masonite sheeting on Johnson River hardwood

NOTE: Inform duty tech of any drilling or coach bolts requirements

Painted with low sheen black acrylic.

STAGE DIMENSIONS:	(mm)	
Proscenium width	13,110	
Proscenium height	6,070	
Stage height above auditorium floor	900	
Stage Apron	1,250	
House Curtain to Final Bar	7,310	
Final Bar to rear wall	850	NOTE: This is the only stage crossover available
Centre Stage to Flyrail PS	10,700	NOTE: Limited wing space
Centre Stage to wall OP	11,060	NOTE: Limited wing space
Stage edge to Pit / Thrust edge	2,560	
Thrust width	15,070	

LOADING DOCKS Situated Opposite Prompt Side

Dock 1 and 2 height from ground level	1,200mm
(Dock 1 serviced from ground the stage level with 1000KG SWL motorised lifter)	
Loading Dock 1 dimension	3495mm Wide x 2135mm High
Loading Dock 2 Dimension	3500mm Wide x 2075mm High
Loading Dock 1 and 2 distances to stage	15metre and 20metres
Internal door height	2,200mm
Internal door width	3,650mm
Internal walkway ceiling clearance height	2,350mm (above this height are Water Sprinkler heads)

PORTABLE STAGING	DIMENSIONS:(mm)	*additional charges apply
16 x StageDex (black coated)	2000 x 1000	SPL 210kg or UDL 750kg/m ²
2 x StageDex (black coated)	1000 x 1000	SPL 210kg or UDL 750kg/m ²
1 x carpet tiles	2000 x 1000	
Complete sets of legs at 150, 300, 600 or 900 high		
Complete sets of skirts at 150, 300, 600 or 900 high		
5 x set of stairs, 1000 wide, configurable to 900 high.		Handrails available on request



FLYLINES/ CURTAINING:

Method: Counterweight system

Operation: All lines operated manually from prompt side at stage level
[Except house tabs when electric French Action in use] Hand Line is 24mm Sisal Rope

Number: 21 [4 line pickup] (**NOTE** – all bars are 65mm x 38mm except LX Bars and Tab Tracks)

Curtain	Quantity	Dimensions	Style
BLACK TABS	1 Pair	7.4mw x 7.0mh each	700 grade black wool 25% gathered
BLACK TABS	1 Pair	7.4mw x 7.0mh each	700 grade black wool 50% gathered
BLACK BORDER	4 Pieces	14mw x 1.8mh	700 grade black wool 50% gathered
BLACK LEGS	6 Pair	2.4mw x 6.0mh	700 grade black wool 50% gathered (2.4m wide)
BLACK LEGS	1 Pair	2.4mw x 7.5mh	700 grade black wool 50% gathered (2.4m wide)
BLUE TABS	1 Pair	7.4mw x 6.5mh	Dark Navy Blue Dana Velvet
CYC	1 Piece	16.0mw x 7.0mh	Filled cloth
WHITE SCRIMS	1 Piece	16m.0w x 7.0mh	Sharks tooth
BLACK SCRIMS	1 Piece	16m.0w x 7.0mh	Sharks tooth
STAR NET	1 Piece	9.0mw x 5.0mh	Bud lights on dark green fishing net
Burgundy Tabs	2 Pair	7.4mw x 7.0mh each	700 grade Burgundy wool 50% gathered

Bar	Capacity (kg) [Inc. Barrel]	Drift (m)	Distance (mm) from Pros Arch	Standard Rig
Orch Bar 400		6.2	-1250 0	Orchestra Pit LX Bar – Motorised – Dead Hung. Setting Line Pros Arch
1	200	13.8	250	BLACK BORDER
2	300	13.8	490	RED TAB - HOUSE TAB TRACK -Elec. French [12seconds]
3	200	12.7	880	BLACK BORDER
A LEGS- Dead hung from grid				
4	300	13.8	1000	Black legs 6m from centre
5	200	13.8	1230	LX1
6	200	13.8	1650	SPARE
6	200	13.8	1930	SPARE
B LEGS- Dead hung from grid				
7	200	13.8	2300	Black legs 6m from centre
7	200	13.8	2360	1ST TRAVELLER Black tabs - manual French action
8	200	13.8	2890	SPARE
9	200	13.8	3120	BLACK BORDER
C LEGS- Dead hung from grid				
10	300	13.8	3300	Black legs 6m from centre
10	300	13.8	3450	LX2
11	200	13.8	4260	SPARE
12	200	13.8	4480	SPARE



Technical Specifications

D LEGS - Dead hung from grid				4700	Black legs 6m from centre
13	200	13.8	4940	BLACK BORDER	
14	300	13.8	5430	LX3	
E LEGS - Dead hung from grid				5800	Black legs 6m from centre
15	200	13.8	6090	LX4	
16	200	13.8	6420	2ND TRAVELLER	NAVY BLUE - Manual French Action
17	200	13.8	6760	LX5 CYC FLOODS	
18	200	13.8	7100	F LEGS	Black legs 7.5m 6m from centre
19	200	12.7	7340	SPARE	
20	200	12.7	7570	SPARE	
21	200	12.7	7790	CYCLORAMA	

LIGHTING SYSTEM

DESCRIPTION:

Control: 1 x ETC-ION2000 (upgraded 6 stream DMX via Net3) (will import ASCII, TXT and ESF file format)
 2 x (2 x 20) ETC-FADER WING
 2 x 19" ELO Touch Screens

Control (by request...) High End Hog 4 and Playback Wing 4.

DMX Stream 1: House dimmers and house lights

DMX Stream 2: Allocated for other DMX devices

DMX Stream 3: Spare

DMX Stream 4: Arkaos

Dimmers: All in-house patches outlet allocated to one 2.4K dimmer.

In-house dimmers - JANDS HPX/ AirGaps

4 x JANDS HP/FP Racks available if required

LIGHTING STOCK:

Profiles:			In Stock	
ETC	Source 4 zoom (stay in FOH 1)	750w	18	6 iris - 18 B size gobo holders
	Source 4 Junior 25/50	575w	12	6 iris - 12 M size gobo holders
Selecon	Pacific 14/32	1000w	4	} 10 Iris & mix of A, B size holders
	Pacific 12/28 (stay in FOH 2)	1000w	6	
	SPX 15/35	600w	8	
	SPX 25/50	600w	24	} 10 Iris & 12 B size gobo holders



Technical Specifications

Fresnels:

Selecon	SF1200	1200w	36	Barn Doors x 36
Selecon	Rama HP	1200w	24	Barn Doors x 24
Selecon	Acclaim	650w	12	Barn Doors x 12

Floods:

Selecon	Aurora 4 way (Cyc)	1000w	6
	Hui 3 way ground row	500w	6
	Philips PL1 RGBW	120w	8

Par Can:

Black MFL 240v	1000w	24	Rigged 4 per Par Bars
MR 16 Chrome	50w	12	

Follow Spots:

FAL	Sparkie MSR	575w	4	5 way colour magazine.
-----	-------------	------	---	------------------------

Moving Lights:

*PR	XLED 590 Wash	480W	6
*PR	XL700 Spot	700w	10

Colour/ Gobos:

A general selection of Lee and Rosco filters/Gobos in stock.

*Specific requirements are ordered in..

Smoke/ Hazer / Low:

*FQ100 (DMX controller, Manual control)	4
*Unique Hazer – DMX Controlled	2
*Rosco Cold Flow – DMX Controlled	2

Rigging:

All fixtures have hook clamp, safety chain and gel frame.

Boom Pole - 2 Metre	6
Boom Pole – 3 metre	8
Boom Arm	18
H Stands	10



Technical Specifications

Looms:

18m x 8 way loom

6 (8 x 240v circuits)

PATCHING:

Each house patch is allocated to own 2.4K dimmer

Location:	# of Outlets	DMX Address
FOH	26 on bar	1 - 26
PIT	24 on bar	73 - 96
LX1	24 on bar	97 - 120
LX2	24 on bar	121 - 144
LX3	24 on bar	145 - 168
LX4	24 on bar	169 - 192
CYC	12 on bar	193 - 204
PERCHES	10 per perch	206 – 216, 217 - 228
FLOOR TRAPS	9 per side	37 - 45, 49 - 57
CATWALK	10 above Prosc. Arch	27 - 36

AVAILABLE 3 PHASE POWER:

- 3 x 40-amp 3 phase outlet with RCD - Dimmer Room
- 2 x 40-amp 3 phase outlet with RCD - Fly floor back wall
- 2 x 40-amp 3 phase outlet with RCD - PS stage level next to SM console
- 2 x 40-amp 3 phase outlet with RCD - OP stage level on Prosc. wall
- 1 x 40-amp 3 phase outlet with RCD - FOH roof PS wall ceiling

Power Locks, (3 phase plus Earth and Neutral, **Max 160 Amps per phase**,) located in Dimmer room level one Prompt side of Stage. (Power Locks share same mains power source as all other 40amp outlets.)



Technical Specifications

SOUND SYSTEM

Main System:	Power distribution A/C – , 20 Amps stage/bio box, 6 x 20 Amp Distro at Amps
FOH Speakers:	L-ACOUSTICS Two arrays (Left-Right) hangs composed of 8 x KIVA & 2 x SB15m per side, Front Infill (under stage) of 6 x 5XT and 2 x 8XTi and (when requested) Floor Mount Subs 2 x SB18 per side. Amplifiers and Processing via 5 x L-ACOUSTIC LA4X PFC 4 x 1000W with PC- based LA Network Manager.
Foldback:	6 x Yamaha MSR 400 self powered monitors-additional available on request
Mixers:	1 x Yamaha PM5D (48 CH) or with DSP5D (96 CH)
EQ:	1 x Klark technik dn360 (FOH) 4 x DBX ieq31(monitors)
FX:	8 x Onboard Yamaha PM5D Effects 1 x TC electronics M1 stereo effects unit 1 x TC electronics D2 stereo tap delay
Comp. Lim. Gate	2 x DBX 166 comp/limiters 1 x DBX comp 266 L & R (FOH)
Playback:	2 x Tascam CD200-SB 1 x Denon DN 1800F (double) 1 x Stanton C 501 Dual CD Player
Mixing Position:	Note: House mixing desk and processors are hard wired in Control Area and cannot be removed.

RADIO MICROPHONES:

36 x AKG DMS 700 Receivers	
10 x AKG DHT 700 C5 Handheld microphones	
2 x AKG DHT 700 D7 Handheld microphones	
36 x AKG DPT 700 Beltpacks	
36 x Sennheiser MKE2 Gold - lapels	
10 x Sennheiser HSP2 - headsets	9 x beige, 1 x black
12 x Shure WL93T - lapels	

MICROPHONES / DIRECT BOXES:

Shure:	16 x SM58 4 x BETA 58A 2 x SM58S 8 x SM57
---------------	--



Technical Specifications

	1 x BETA 52A
	4 x BETA 57A
	5 x BETA 87
	4 x BETA 91
Sennheiser:	1 x SM99 (gooseneck)
	2 x MD421
	4 x E904
	2 x E912B
	2 x K3U / ME80 (condenser/shotgun)
	4 x E914 (condenser/Shotgun)
Mann:	4 x M11 (condenser)
Rhode:	6 x NT5 (3 x stereo pair)
Neumann:	2 x KMS105
AKG:	4 x C 3000
	1 x D112
	4 x HM1000
	4 x CK31
Crown:	4 x Crown CM31 (OH mics)
DIs:	2 x Radial PRO D8 (8 way Passive)
	4 x Radial J48 (48V Active)
	4 x Radial PRO D1 (Passive)
	1 x Radial JD1 (passive Single)
	3 x Radial PRO D2 (passive 2 channel)
	1 x Radial PRO AV2 (passive Stereo M/Media)
Mic Stands:	12 x K & M stands tall boom
	12 x K & M stands small boom
	10 x straight round base

PIANOS:	1 x YAMAHA Grand C7 ,with adjustable stool.
	1 x YAMAHA Upright U1, with stool.

MULTICORES:

House Patch:
56ch stage box located on the OP proscenium wall
Ch 1-40 connected to desk



Technical Specifications

Ch 1-24 also switchable (Control Area or stage)
Ch 41-56 Male XLR & Female XLR on both ends
3 x 20-way stage box to tails 25m
1 x 12-way female stage box to male tails 30m
2 x 12-way XLR loom with tails m/f 10m
5 x 8-way XLR loom with tails m/f 8m
1 x YAMAHA DSP5D Digital Stage Box 48in/24out (link to PM5D)

CINEMA:

Screen - Front Project surface 320"x179" 16:9 1:1 gain
Projectors – 2 x NEC PA500UG (located in Control room, long through lens only from)
(Stackable on request)
Switches – 1 x Roland VR-50HD
1 x Arkaos Media Master Express

TALKBACK:

Jands Ezicom E400 system with 10 x E100 substations using Beyer DT280 headsets
Clearcom Tempest 2400 with 6 substations using Beyer DT280 headsets.

(Both talkback are linked) Talkback points located at SM's console, flyrail, OP corner, upstage centre, Control Area, follow spot positions and production desk.

DRESSING ROOMS / STAGE MANAGERS / Rear of House Control Area

DRESSING ROOMS:

Quantity: 2

Description: Chorus style open room with smaller principal's room incorporated



Technical Specifications

Location:	At stage level, up stage, off stage, one each side
Dimensions:	Main rooms: 5,160mm x 4,050mm Small rooms: 3,000mm x 2,430mm
Facilities:	Full length mirrors, make up mirrors with lights Showers x 2, Toilets x 2, per main room Iron, ironing board Washing machine: Mytag Dryer: Fisher & Paykel domestic Chilled water fountain per main room Television per main room

STAGE DOORS:

Quantity:	2
Description:	Stage access is from outside the building via double door opening on to 9-metre corridor leading directly to dressing room entrances Stage doors are the stage area fire exits
Location:	At auditorium floor level, down stage, off stage, one each side
Dimensions:	Height: 2,100mm, Width: 1,850mm

STAGE MANAGER'S:

Console location:	Prompt corner
Facilities:	Paging to dressing rooms Talkback master station Clock and stopwatch Television
Show Relay:	Sony video camera mounted centrally on auditorium ceiling Video camera feeds televisions at SM console, dressing rooms and all production areas.

Rear of House Control Area:



Technical Specifications

- Important note:** Touring companies bringing own sound may set up a mixing position in the auditorium by removing seats S12 - S18 and T12 - T17 from sale
House sound system mixer, drive and Fx are hard wired in Control Area and cannot be removed. There is space to setup Medium size touring mixers in this Control Area.
- Location:** Rear of auditorium occupying V, W and X rows, central section [seats 9 - 21]
- Description:** This Rear of House Control is Centre of the room and is against the rear wall. The House Control Area is open to auditorium.
Lighting control is at OP side of box; Sound control is at Prompt side
- Dimensions:** Width 6,300 mm
Front of box to back wall 2,600 mm
Bench height 710 mm
Bench depth 800 mm
-