



Watersmeet –Technical Specification



VERSION 6.1

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Technical Manager

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ADVANCE INFORMATION FROM INCOMING PRODUCTION:

Watersmeet Theatre requires the following information in advance from any visiting production:

- Technical specifications, including plans for any set or other construction
- Details of the materials for any set or other constructions
- Method statements for construction activities
- Risk assessments for any special effects in the show (or your risk management procedures)
- Detailed production or technical schedules, with staffing levels required from us
- Lighting plan
- Line schedule or hanging plot
- Portable Appliance Testing Certificates
- Relevant Training Certificates E.g. IPAF, NRC, PASMA

SITE RULES DURING GET-INS AND FIT-UPS:

Whilst construction activities are taking place at Watersmeet Theatre the following site safety rules must be adhered to by all personnel working on site including freelance or visiting company staff, and external contractors:

- Suitable protective safety footwear must be worn at all times
- Hard hats must be worn when there is a risk of objects falling from height
- Correct PPE for any activities such as safety goggles, gloves and ear protection must be used
- All near misses, incidents and accidents **MUST** be reported
- Safe systems of work must be adhered to
- No unauthorised persons are allowed in the auditorium or backstage areas, access is restricted to personnel engaged in construction activities
- Only trained operatives are allowed to erect, alter or dismantle scaffolding or mobile towers, or operate mobile elevated work platforms (Genie GR20)
- Onstage safety briefing and set induction - Watersmeet Theatre staff will provide a full building safety briefing to visiting company staff prior to the start of the load-in.

Smoking Policy

Smoking, E-cigarettes and or/vaping is not permitted in or near the theatre buildings.

Electrical Equipment

In accordance with the Electricity at Work Regulations all mains powered equipment brought into the venue must be electrically safe. Evidence may be asked that relevant safety tests have been carried out (E.g. Portable Appliance Testing). Any member of Watersmeet staff may refuse the use of any equipment if they consider it to be unsafe, or in the absence of appropriate certification.

1: AUDITORIUM CAPACITY

- 515 Seated
- 600 Standing
- 300 Cabaret

The total seating capacity with all the seats in the auditorium is 515. Please note that there are designated positions in Row S allowing for 7 wheelchairs instead of 14 seats. An auditorium mixing position can also take out a possible 8 seats at the rear of the Auditorium.

2: STAGE MEASUREMENTS

- Height from stage to grid: 8390mm (27’ 5’’)
- Architectural proscenium height: 4980mm (16’ 3’’)
- Architectural proscenium width: 11070mm (36’ 3’’)
- Stage height from auditorium: 1030mm (3’ 3’’)
- Stage depth: 6900mm (22’ 6’’)
- Apron depth: 2900mm (9’ 5’’)
- Apron to edge of pit: 1420mm (4’ 6’’)
- Cyc to edge of pit: 9620mm (31’ 5’’)
- Prompt wing depth to wall: 7390mm (24’ 2’’)
- Prompt wing depth to fly rail: 6150mm (20’ 1’’)
- Distance from 125amp Supply to far edge of stage: 5850mm (19’ 1’’)
- Distance from 63amp supply to far edge of stage: 6380mm (20’ 9’’)

3: Stage Access

Roller shutter to rear of building.

This includes parking for up to 2X LWB, SWB Vans, or 1X articulated trailer lorry.*

Shutter Dimensions:

3.52m (H) X 1.75m (W)

Please Note: This is not ground level access. The roller shutter is 1.05m off ground level
Alternative Access (Ramped)

Fire Exit located at rear of building**

1.98m (H) X 1.49m (W)

**Please note advance warning must be given of any vehicles bigger than 1X LWB Van. This is to ensure that the skip belonging to the neighbouring building can be removed to allow access.*

***All of Watersmeet fire doors are alarmed, please inform your duty technician of you require access through one of these.*

4: FLYING SYSTEMS

- 12 x hemp fly bars: 11m long, SWL 200Kgs
- 3 x on stage lighting bars (Winched) SWL 400Kgs
- 2 x on stage tab track winches
- Hand tabs: 1 x mid stage, 1 x up stage (Both black)
- Motorised Red Velour House Tabs

All Hemp lines are rated at 250kg NOT to be exceeded
All Winch lines are rated at 400kg NOT to be exceeded

5: STAGE EQUIPMENT

- 1 x pair red velour main house tabs: Chain weighted (Permanently Rigged)
- 4 x pairs legs: Chain weighted
- 3 x boarders: Chain weighted
- 1 x Black LED Star Cloth

6: STAGE MANAGEMENT

Prompt Desk

- Located SL wing* Includes access to: Tab controls, house light controls, working lights, call system to dressing rooms and communication points to fly rail, operating positions, control room and follow spots.
- 8 x Tech Pro head sets
- 8 x Tech Pro belt packs

*Please note: The prompt desk can be moved also be moved to: The control room, and Stage Right. There is no access to the tab controls should the prompt desk be moved.

7: MUSICAL INSTRUMENTS

- 1 x electric piano
- 1 x baby grand piano
- 6 x lit RAT music stands
- 1 x lit conductors stand
- 16 x Tiger 35watt music stand lights

8: ACCESS EQUIPMENTS

- 2 x 12 rung Zarges Skymaster ladder
- 1 x 9 rung Zargees step ladder
- 1 x 9 rung Zargees step ladder
- 1 x Genie IWP*

*Please Note: A request must be put in to use the Genie IWP with a least 14 Days’ notice to the Technical Manager. Proof of formal training (IPAF) and an individual risk assessment with rescue plan must also be submitted with this request.

9: POWER

- 22 x 13amp outlets
- 2 x 32amp single phase outlets (Sound feed only)
- 1 x 63amp three phase outlet (Located US in SL wing)
- 1 x 125amp three phase outlet (Located US in SL wing)
- 1x 32amp single phase outlet (Located US in SL Wing)
- 6 x 16amp single phase outlets (Stage Right Dimmer Gantry)
- 6 x 13amp outlets (Stage Right Dimmer Gantry)
- 1 x 32amp single phase outlet (Stage Right Dimmer Gantry)

6 Ways of 10amp hot power is also available via a channel on the house light track. This is rated at 10amps and available on a 16amp single phase ceeform. This is a non-dim circuit.

10: LIGHTING

Lighting Desk

- Chamsys MagicQ 2010 pro with fader wing
- Or
- ETC ION XE with 20 Way motorised fader wing

Dimmers

- 72 x 2Kw Light factor Pardime DMX dimmers
- 6ch house light control (Can be controlled through panels located behind auditorium control position and prompt corner or controlled by the lighting desk)

Lighting Bars

- FOH - 3 bars each with 12 circuits (FOH gantry)
- Perches - 2 bars each with 6 circuits per side (Paired)
- On Stage - 3 bars each with 12 circuits. Plus an additional 3 circuits on LX 3 for cyc
- Stage Dips - 12 circuits, 6 downstage, 6 upstage (Paired across)

Follow spots

- 2 x LDR Canto 700 MSR with colour changer

Lanterns – Generics

- 10 x Par 64 Long Noses (CP62 MFL 1000watt Lamps)
- 4 x ETC Source 4 Zooms 15/30
- 6 x 1Kw Fresnel's
- 3 x 1 Cell 1000W Coda Floods
- 2 x 2Kw Strand Cadenza F Fresnel's

Lanterns – LEDS

- 12 x 36 Degree Elumen8 Virtuoso 1000 RGBAL Profiles
- 12 x 15 - 30 Degree Elumen8 Virtuoso 1000 RGBAL Profiles
- 16 x Chauvet Colorado 2 Quad Zoom Pars
- 12 x Elumen8 Virtuoso 2000 RGBA Fresnel's
- 10 x Chauvet Colour Dash Battens Quad 12*
- 4 x Martin MX 4 Scanners
- 6X ETC Colour Source Pars

*Please note: 6 x Chauvet Colour Dash Battens Quad 12s are available as part of the standard rig to for the cyclorama wash. Any additional battens will be recharged at the venues going rate.

We also stock a limited supply of 13amp, 15amp, 16amp TRS and Powercon and True 1 in 1m, 5m, 10m, 15m and 20m lengths.

Please note the following:

All lighting fixtures are supplied with a hook clamp, safety bond, and colour frames.

Profile Spots include shutters

Fresnel's include barn doors

Additional coloured gel can be supplied but will be recharged—*Please see recharge Section.*

Effect Machines and Equipment*

- 1 x Chauvet Amhaze Whisper
- 1 x Antari S500 Snow Machine
- 1x Le Maitre G300 Smoke Machine
- 1x Le Maitre 2 way pyro controller
- 4 x le Maitre single pod pyro holder

***Please see the technical recharge section for equipment hire rates**

11: SOUND

Sound Desk

- Yamaha LS9 32 Digital

Mixing Position

- Rear of auditorium

Speakers

- FOH - 4 x Nexo PS 15 full range cabinets (Left and right cluster)
- 2 x Nexo LS120 sub range cabinets (Set into front edges of pit)
- 5 x Nexo PS8 full range cabinets (3 x for delay and 2 x for image shift)
- Fold Back - 2 x Turbosound monitor wedges

Additional Monitors

- 2 x JBL wedges
- 3 x Monitor cabinets (Unbranded)

Amplifiers

- 5 x Lab Gruppen IPD1200 (Main L and R and sub)

System Processing

- 1 x DBX
- 1 x Nexo PS15 controller
- 1 x Nexo PS 8 controller

FOH Processing Equipment

- 1 x BSS Opal Constant Q (32Ch) equalizer
- 2 x Yamaha (15 Band 2Ch) equalizers
- 1 x Drawmer quad compressor
- 1 x Yamaha Rev 500

Play Back Equipment

- 1 x Sony CD Player
- 1 x Sony MD Player

Microphones

We stock a wide range of microphones from wireless handhelds to a full drum kit set. Please contact us for further details.

12. APPENDICES:

- Appendix A - Stage flying grid plot
- Appendix B - Full stage plot
- Appendix C - Lighting circuits
- Appendix D - Standard lighting rig
- Appendix E— DMX Addresses
- Appendix F— Blank Hanging Plot
- Appendix G – Sound Patch Locations

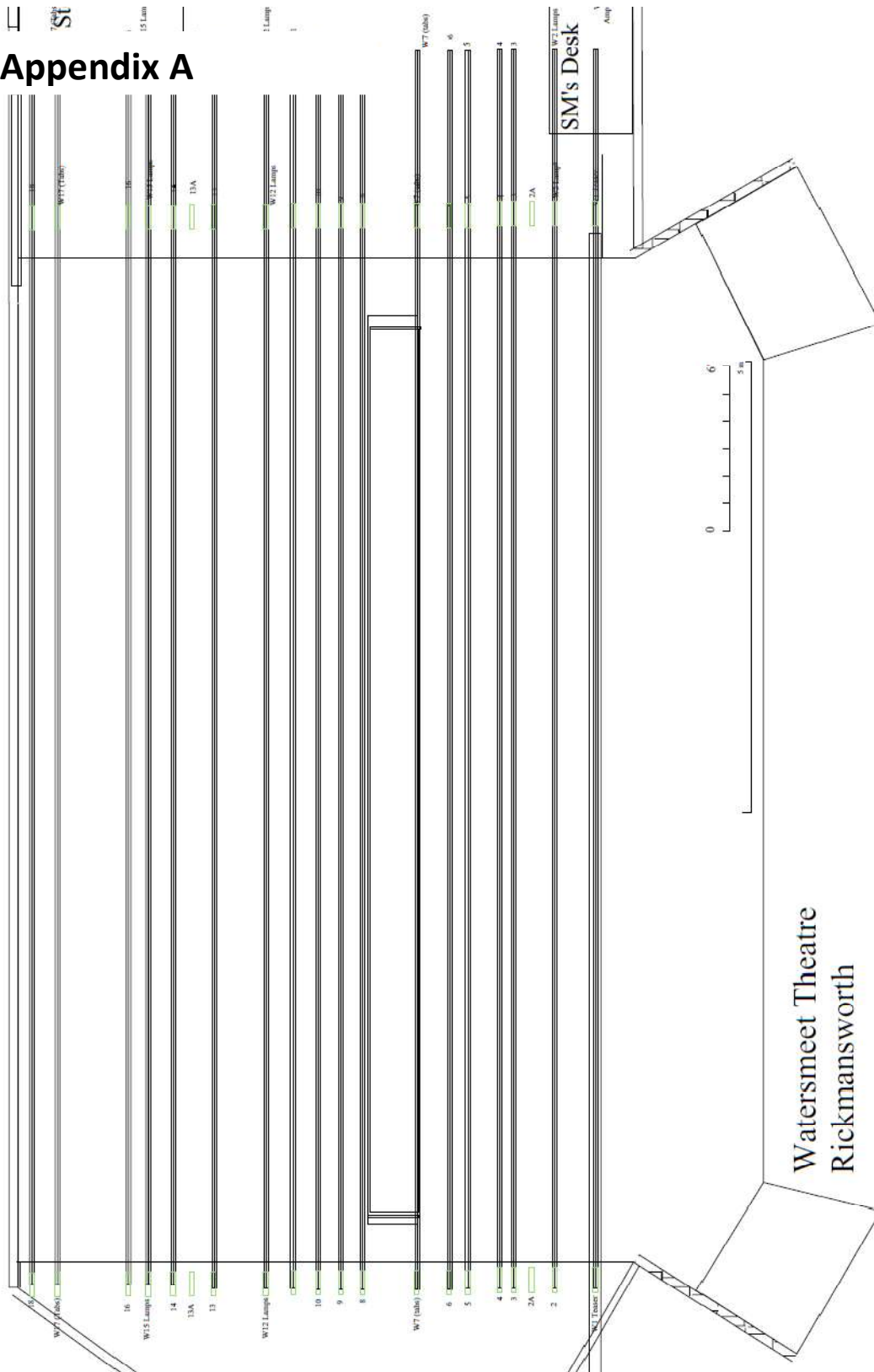
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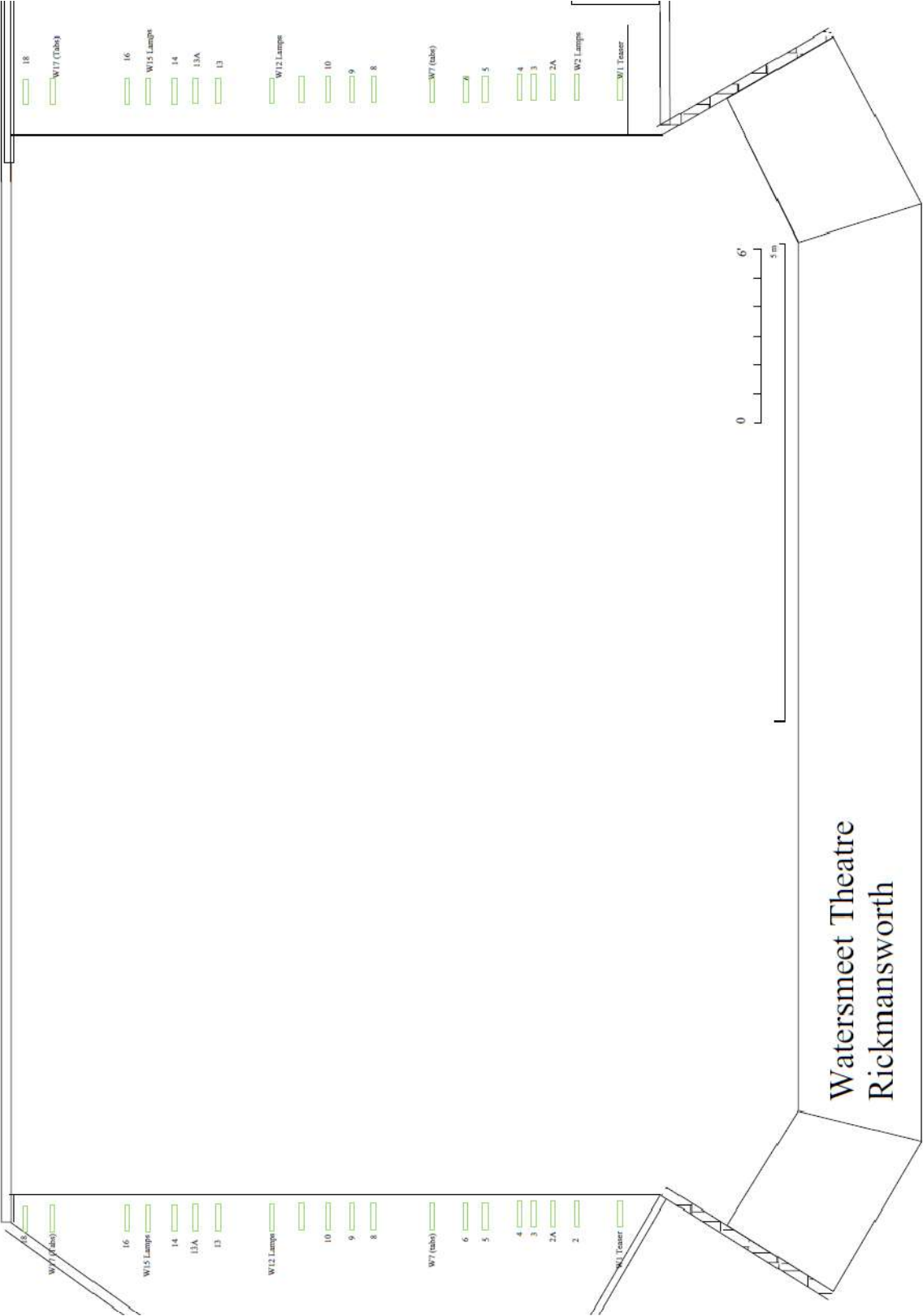
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Lam



Appendix B



Appendix C

100	104
102	105
103	106

US DIPS

100	104
102	105
103	106

US DIPS



94	97
95	98
96	99

DS DIPS

94	97
95	98
96	99

DS DIPS



106
107
108

Additional
Gantry

Watersmeet
Lighting Circuits

Appendix D

Appendix E

Appendix F

HANGING PLOT									
BAR	Distance to front of the stage		SWL (Kg)	STANDARD HOUSE RIG	SHOW RIG	NOTES	Type		
	mm	feet							
18	9120	29.92	250				FIXED		
17	9020	29.59	500				winch		
16	8230	27	250				hemp		
15	8030	26.35	500	LX Bar	LX3	IWB	winch		
14	7770	25.49	250				hemp		
13A	7480	24.54	250				hemp		
13	7320	24.02	250				hemp		
12	7120	23.36	500	LX Bar	LX2	IWB	winch		
11	6620	21.72	250				hemp		
10	6390	20.96	250				hemp		
9	6130	20.11	250	TABS			hemp		
8	5910	19.39	250				hemp		
7	5250	17.23	250				Winch		
6	4990	16.37	250				hemp		
5	4840	15.88	250				hemp		
4	4540	14.89	250				hemp		
3	4380	14.37	250				hemp		
2A	4200	13.78	250				hemp		
2	3970	13.05	500	LX Bar	LX1	IWB	winch		
1	3650	11.97	500	Teaser	Venue Header		Winch		