Shetland *arts*

Mareel Technical Specification

Contacts

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Access

Access to the building via the stage door is on Mitchell's Road, at the side of the building. The stage door has dimensions 2.9m (W) x 2.8m (H). There are treads from the loading bay to SR. The piano lift may be used for bulky items – its dimensions are of 2.3m x 1.6m. For productions loading in directly to the auditorium floor there is a standard 2.3m (W) x 1.7m (H) double doorway located on the SR side of the auditorium. We have our own parking in front of the building on Gutter's Gaet, as well as there being ample free parking attached to the council buildings nearby.

Auditorium

Mareel's auditorium has a retractable seating rake with a capacity of 240, plus 80 seated on the balcony. When the seating rake is fully retracted the auditorium has a standing capacity of 600 plus the balcony. The seating rake cannot be used partially deployed – it must either be fully retracted or set up normally. However, it is possible to partially retract it to make the floorspace smaller. We have 70 black armless tall-backed stage chairs, plus 200 folding chairs for use in the auditorium when the seating rake is retracted. There are 26 round tables of 1.2m diameter and 26 trestle tables of dimensions 0.69m x 1.83m.

The auditorium floor is 17.5m x 14.2m in size, with 8 wooden pillars spaced evenly down either side in line with the balcony face (see photos and diagram). The auditorium floor is a sprung dance floor and is load rated to 500kg/m^2.

The stage is steel deck of dimensions 12.2m (W) x 4.7m (D) x 0.9m (H) and is load rated to 750kg/m^2. The maximum point load is 450kg with a minimum contact area of 0.5m^2.

Auditorium floor to roof: 9.5m

Auditorium floor lighting bridges: 7.1m

Stage to roof: 8.6m

Stage to lighting bridges: 6.2m

Backstage Areas

There are two dressing rooms – dressing room 1 is located on the first floor next to the green room, and dressing room 2 is downstairs next to the auditorium. Both dressing rooms have toilet and shower facilities and Wi-Fi access. There is a separate laundry room containing a washing machine and dryer, plus iron and ironing board.

FOH Loudspeaker System

1 x d&b B2-SUB per side
2 x d&b Q-SUB per side
6 x d&b Q1 per side (flown)
1 x d&b Q10 per side (stage lip centre-fill)
All driven by d&b D12 amplifiers
Console – Midas PRO2
1 x Klark Teknik DN9650 Digital Audio Network Bridge

We have the ability to make multi-track recordings of performances in the auditorium directly to our recording studio if requested in advance.

Monitor System

12 x d&b MAX 15" wedges
1 x Logix SB180i drum sub
5 x MC2 T3500 amplifiers (10 mixes)
3 x XTA DP444 loudspeaker processors
Console – Midas PRO2

Small PA Equipment

Allen & Heath QU SB
Soundcraft Si Expression
Soundcraft EFX12
4 x Mackie SRM 450

Microphones

6 x Shure SM58
4 x Shure Beta58A
6 x Shure SM57
3 x Shure Beta57A
1 x Shure Beta87A
1 x Shure Beta52A
1 x Shure Beta91A
4 x Shure Beta98AMP/C
2 x AKG C414-XLS-ST
4 x AKG C451B
4 x Shure SM81
4 x DPA4099V
2 x Sennheiser e906
1 x Beyerdynamic M88-TG
1 x Beyerdynamic M69-TG
3 x Sennheiser EW335G3 handheld radio microphones
3 x Sennheiser EW112P lavaliers
3 x Sennheiser radio receivers
1 x AKG C417 wired lavalier
2 x Behringer TA5212 Lectern mics
12 x BSS AR133 active DI
2 x MTR DI-1P passive DI

Backline

Vox AC30 CC2
Fender Twin 65 Reverb
Marshall JCM900 head
Marshall MG412B 4 x12 cab
Ampeg Venture V7 head
2 x Ampeg 410HE
Trace Elliot GP 12 SMX
Roland KC-350
AER Compact 60

Allen and Heath XONE:62 mixer
2 x Technics SL-1210MK2
2 x Pioneer CDJ2000 CD decks

1 solid wood lectern

We have a Steinway Model B grand piano and a Yamaha Model U1 upright piano, which are available to hire at additional cost.

We have three drum kits available for hire. These are:

Premier Series Classic (Blue Sparkle)
Yamaha Stage Custom (Cherry)
Premier Artist Maple (Topaz)

Lighting Grid

The lighting grid is accessible from the lighting bridges (see photos/diagrams) or by using our Genie AWP-30S man lift.

The individual lighting bars on the lighting bridges are designed to carry 50kg/m, with a restriction of 150kg/m overall along any one meter section of bridge. The maximum number of 90kg rigging personnel on any one bridge is four.

There are also two lighting bars located on either side of the balcony. The lighting bars on the balcony faces are designed to carry 50kg/m.

There are 4 motorised bars in the auditorium; 3 are flown using two Loadguard motors with winch ratings of 500kg SWL. This SWL applies to the motors, shackles and clamps only.

The fourth bar (nearest the FOH position) is rigged using one 500kg Loadguard motor with pulleys distributing the load across the truss.
The twelve-meter truss lengths rigged between two Loadguard motors have a safe working load (SWL) of 200kg unilaterally spread between the two pick up points (7.25m) and a maximum of 100kg at centre point load. No other load can be added if 100kg is present at the middle of the truss.

Additionally there is a fourth hoist bar located in the auditorium nearest the FOH position. This self-contained hoist bar has a maximum distributed load of 30kg/m.

We also have 6 tank traps with 3m poles available for floor rigging; if more are required we can hire in more locally.

Lighting Control

1 x Avolites Tiger Touch II
152 ways of ETC Sensor+ dimming including 104 ways of dimming and 48 ways of hard power (12 of these ways of hard power are reserved for working lights)
4 x DMX universes available
8 x ETC Net3 Concert Nodes
1 x Showtec DB-I-8/3 8-channel DMX splitter
1 x LightProcessor QBuffer 4-way DMX splitter

DMX universe 1/1-192 and 400 – 450 are reserved for the auditorium dimmers and working lights. There is a DMX node on the US lighting bridge outputting universes 2 + 3 and a DMX node at the USR corner of the stage outputting universes 3 + 4. SACN patch is available from the auditorium stage and FOH control positions – our SACN network is in the 10.101.101.x range, subnet mask 255.255.0.0.

Lighting Fixtures

6 x ProLights Diamond 19
8 x ProLights Diamond 7
4 x Prolights Astra Profile 400
12 x Chroma-Q Color One 100X RGBA
5 x ProLights ECLIPSEFS RGBL
2 x ProLights ECLIPSEFRESNELVW
8 x Showtec Sunstrip Active DMX MK2
20 x Selecon SPX 15-35 zoomspot with 600W GKV lamp
16 x ETC Source Four Junior with HPL575 lamp
18 x ETC Source Four Fresnel with HPL750 lamp
36 x Thomas PAR64 1000W
12 x Thomas PAR56 short nose floor cans 500W
1 x Robert Juliat Manon 1200W MSD followspot
6 x Selecon Aurora 4 cell cyc lights with 1kW lamps (flown)
6 x Selecon Aurora 4 cell cyc lights with 1kW lamps (ground rows)
4 x Showtec DWE PAR36 8 cell blinders
4 x Showtec DWE PAR36 2 cell blinders
2 x Showtec LED 8 cell power blinders
8 x Showtec LED Powerbricks
4 x Chauvet LED pinspots
1 x Selecon PLCYC1 LED flood
2 x Atomix 3000 DMX strobe
1 x Spotlight Quadro W 400 UV cannon
1 x Equinox Apache 1200mW laser

Miscellaneous Lighting

2 x Look Solutions Unique 2.1 Haze Generator
Star cloth
White gauze/cyclorama

AV Equipment

1 x Panasonic PT-DX100 XGA projector (available on hire at additional cost)
1 x Epson EB535W short-throw projector (available on hire at additional cost)
1 x 48" Sharp television monitor with trolley stand
3 x Optoma MovieTime digital projectors
1 x 4.5m 16:9 screen