Technical Specifications:

Jim Marshall Auditorium



The Stables is an internationally renowned music organisation with a vision to engage the widest range of people with music in all its diversity. It delivers its vision through its concert and events programme at The Stables Theatre in Wavendon, Milton Keynes. It also runs an extensive learning and participation programme in the venue and across the local area and produces a range of work in other spaces including the biennial IF: Milton Keynes International Festival.

The world-renowned jazz musicians Sir John Dankworth and Dame Cleo Laine founded The Stables in 1970 in some outbuildings at their home as a venue for concerts and education activities.

In October 2000, the new Stables Theatre opened its doors, with a second phase of development opening in 2007. It is now home to The Jim Marshall Auditorium (capacity 398 seated plus 40 standing) and Stage 2 (capacity 80 seated or 120 standing) and presents around 400 concerts and 250 education sessions each year.

For further information please contact The Stables Technical Department on 01908 280822 or email technical@stables.org

Information for Visiting Companies

The Stables Theatre, Stockwell Lane, Wavendon, Milton Keynes, MK17 8LU

Directions

- **From M1 Junction 14**

  Head towards Milton Keynes; at the first roundabout turn left onto the A5130

  At the Kingston roundabout take the second exit signposted Wavendon/Woburn Sands, onto the A5130 (Newport Road)

  Take the second right by the traffic lights onto Dankworth Way

- **From M1 Junction 13**

  Head towards Milton Keynes on A421

  At the Kingston roundabout take the first exit signposted Wavendon/Woburn Sands, onto the A5130 (Newport Road)

  Take the second right by the traffic lights onto Dankworth Way

- **From Anywhere**

  Head towards Milton Keynes - aim for the junction of the A421 (H9 Groveway) and the A5130 at the Kingston roundabout - take the exit signposted Wavendon

  Take the second right by the traffic lights onto Dankworth Way

Get In

- The main stage has a load in door of 2.7m wide by 3.9m high at stage level (0.75m from road level) with direct access to stage left.
- It can be found as you enter The Stables' grounds and drive to the left. The green load in door can be seen on your right.

Parking

- Vehicles may be left in the loading bay or adjacent staff car park.

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Access

- The Stables is highly accessible to artists with limited mobility.
- Parking bays for blue badge holders are available directly outside the main entrance on a first come first served basis and there is one bay in the staff car park.
- There is level step-free access from the staff car park to the backstage area, green room, dressing rooms and auditorium.
- There is a stage lift for wheelchair users to access the stage area from stage left.
- There is a passenger lift from the auditorium to the foyer area.
- There is one gender neutral accessible toilet facility situated in the backstage area.
- The Jim Marshall Auditorium is fitted with an Ampetronic loop system.
  (The loop is installed at the rear of the auditorium in a position that is designed to be far enough from the stage to avoid any potential interference from wireless production equipment).
- Assistance dogs are welcome in the venue.

Food & Catering

- The Stables has an in-house restaurant open from 6pm to 8pm on show nights, offering a variety of hot and cold sharing plates, freshly made pizzas and specials and homemade desserts to purchase. Menus are available in the green room.
- The Stables is situated in a semi-rural setting and other food outlets are within a few minutes' drive away.
- There is a microwave, a fridge and a kettle for use in the green room.

Wardrobe

- Washing, drying and ironing facilities are available to use at no charge.

Smoking

- There is a strict no smoking policy in place in the whole venue.

Wi-Fi

- Free Wi-Fi is available backstage and front of house - contact the duty manager for the passwords.

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Fire Safety

- The fire alarm system incorporates smoke detection throughout the building.
- Upon arrival, companies should familiarise themselves with the venue's fire evacuation procedures.
- In the event of an emergency evacuation the backstage assembly point is in the staff car park.

First Aid

- There are First Aid stations located throughout the building, including the backstage areas.
- All Duty Managers are First Aid trained.

Dressing Rooms

Off Stage Left

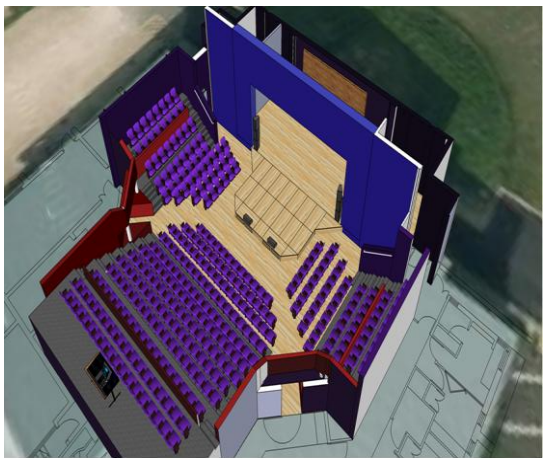
- 4 x Dressing Rooms. Rooms 1 and 4 have en-suite toilet and shower facilities.
- 1 x Green Room with fridge, kettle, microwave and comfortable seating. Can be used as a dressing room.
- Separate accessible toilet and shower facilities.

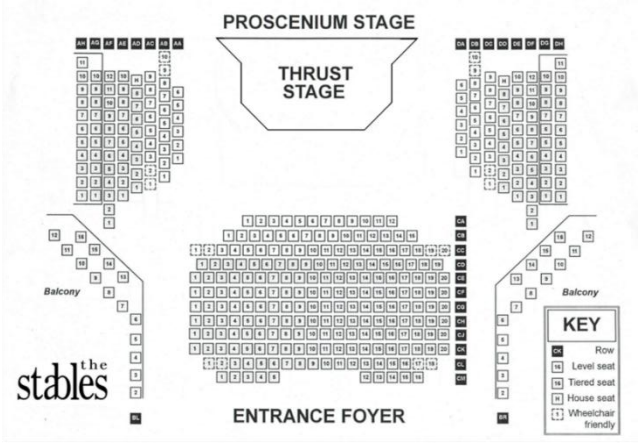
Off Stage Right

- 1 x Rehearsal Room – 7m/23ft x 5m/16.5ft. Can be used as an additional dressing room.

Auditorium Capacity

- 398 seats (including up to 8 disabled allocations).
- Seats are positioned 244 straight on, 144 on the two side blocks.





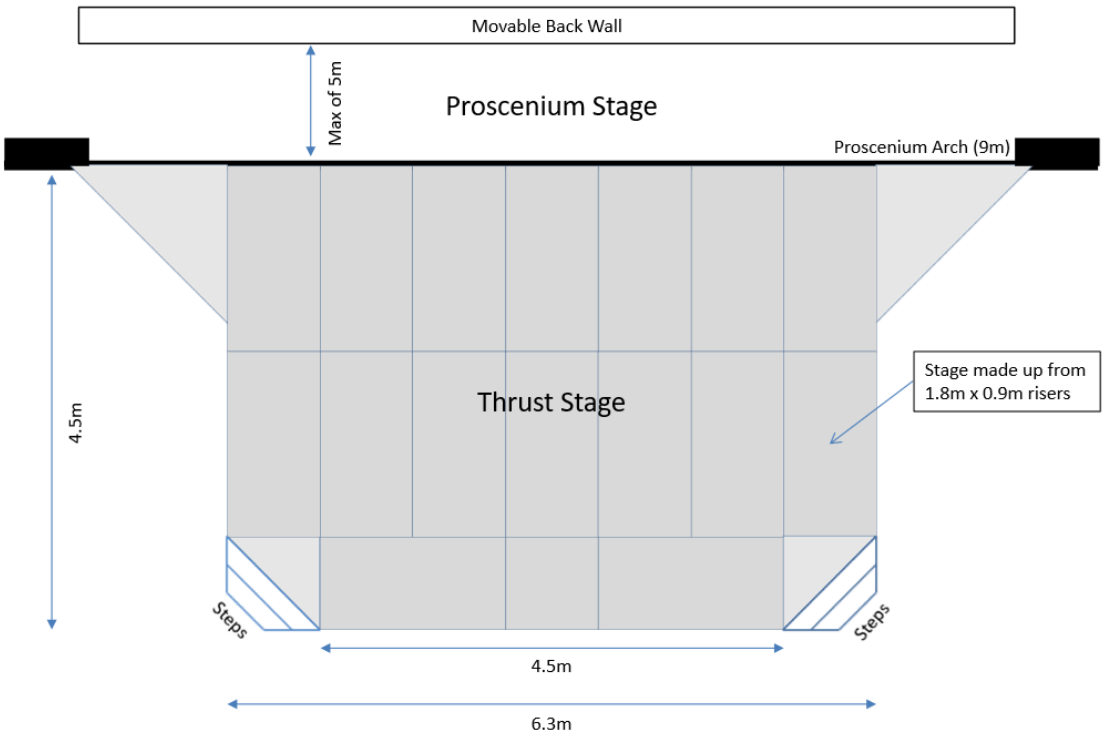
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Technical Information

Stage

- The stage is of a wooden construction, with original style laminate boards. The proscenium stage and the thrust stage are flat.
- The thrust stage is made up of sections of Alu Rapid rostra.
- A movable acoustic diffuser wall is positioned upstage, which can be moved further downstage as required.
- Proscenium Opening: width 9m/29ft, height 4.6m/15ft
- Height to Grid: 6.5m/21.3ft.
- Masking: U/S black drapes and 4 flats (each 2m/6ft x 5m/16.5ft)

JMA Thrust Stage Layout and Measurements



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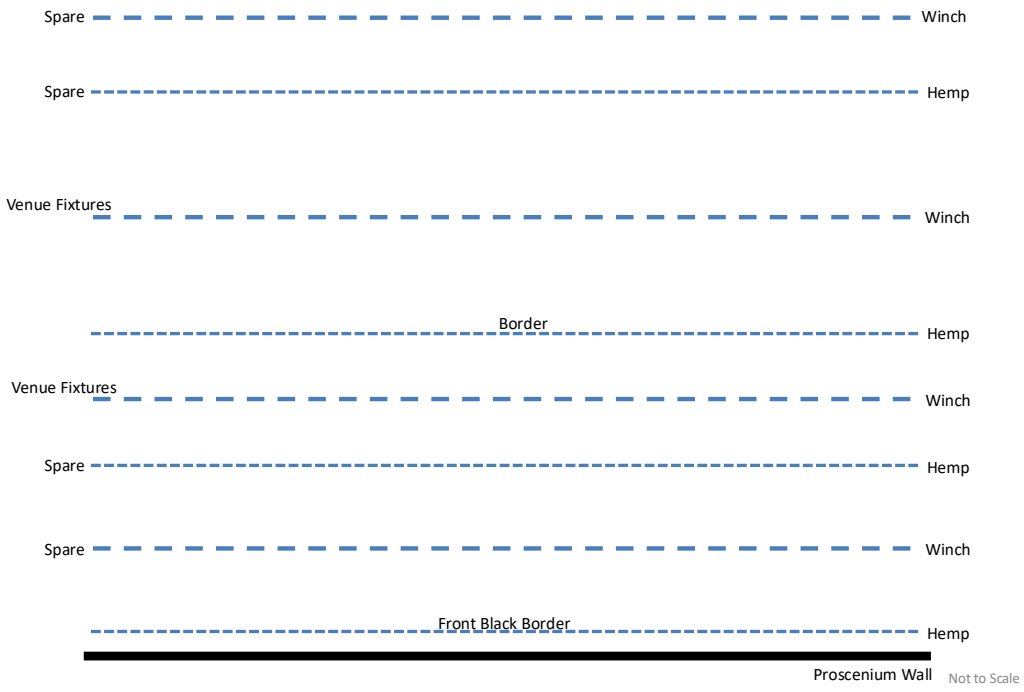
Flying

- Please contact the technical manager in advance with any details of equipment which is required to be flown. Maximum height of all bars is 5.5 metres.
  (Safe working loads for the 4 winch bars vary depending on the position of the load along the bar).
  (The 4 Hemp bars have a maximum SWL of 120Kg, subject to the physical lifting ability of operating crew).

- The distances below are measured from the front of the proscenium wall.

Hemp	1	0.7m	Front Black Border
Winch	1	0.95m	Empty Bar
Hemp	2	1.5m	Empty Bar
Winch	2	1.85m	Venue Fixtures
Hemp	3	2.3m	Black Border
Winch	3	2.8m	Venue Fixtures
Hemp	4	3.35m	Empty Bar
Winch	4	3.65m	Empty Bar

JMA Rig – Onstage



Audio

PA System

- **The L-Acoustics PA system has been professionally calibrated to provide consistent coverage in the space.**
  NB: Access to system control software is <u>not</u> available for visiting production use at FOH.

Left/Right flown line array: (per side)	1 x L-Acoustics ARC FOCUS 2 x L-Acoustics ARC WIDE
Left/Right flown side fills: (per side)	2 x L-Acoustics A10 WIDE
Sub Bass: (per side)	3 x L-Acoustic SB18 Subs (in Cardioid Configuration (mono output))

- FOH Console: Yamaha CL5
- Digital Stage Boxes: 2 x Yamaha RIO 3244-D (1 unit at S/L, 1 unit at S/R)
- Monitor Wedges: 8 x L-Acoustics X12 speakers on 8 separate amplifier channels
  1 x Martin Audio Backline S18 (Drum Fill Sub)

Please note that touring PA cannot be flown. We can only ground stack Left and Right on the stage.

CAT5 tie lines are available stage left and right for connecting visiting production consoles to FOH position.

There are three feeds (Left/Right and Sub Bass) for connecting visiting production consoles to the PA system.

Monitor System (hire charge applicable)

- Monitor Console: Yamaha CL5

The Monitor System needs to be requested specifically, and the cost agreed prior to arrival.

Microphones

- 23 x Shure SM 58, 5 x Shure SM 57, 15 x Shure Beta SM 58, 14 x Shure Beta SM 57, 3 x Shure Beta 98
- 6 x Shure Beta 87A, 2 x Shure Beta 91, 6 x Sennheiser 602, 10 x Sennheiser 604, 7 x Sennheiser 609
- 3 x Sennheiser 664, 8 x Sennheiser 421, 3 x Beyerdynamic M88, 1 x Hebden Sound CM1050
- 4 x Sennheiser K6-ME66, 2 x Audio-Technica 4040, 2 x Audio-Technica 4050, 3 x Audio-Technica 4041
- 2 x AKG C414B, 2 x AKG C414, 8 x SE7, 4 x Beyerdynamic 201TG, 2 x Audix D6
- 22 x BSS AR-133 Active DI Box

Wireless Microphone System (hire charge may be applicable):

Sennheiser ew300 G3 wireless system for use over 4 channels with a combination of:

- 4 x Sennheiser handheld microphone with MMD 945-1 capsule
- 4 x Sennheiser body pack
- 4 x lavalier microphone
- 4 x t.bone HeadmiKe - O EW headset

The Stables has an OFCOM PMSE Fixed Site License for use with the following frequencies:

630.50000 MHz / 632.92500 MHz / 634.67500 MHz / 635.47500 MHz

Lighting *(See Lighting Plot for details of the fixed lighting rig on Pages 11-12)*

- Console: ETC Congo Junior
- All flown venue generic and non-generic fixtures are on a single universe via 5 pin DMX connection. (House lights are also on this universe).
- A second DMX universe is available for visiting company LX packages via a 5 pin stage patch.
- Dimmers: 48 x 3kW, 6 x 5kW
- Movers: 8 x Martin Rush MH7 Hybrid and 3 x Martin Rush MH6 Wash
- LED Pars: 14 x Studio Due ParLed Pro, 4 x Lanta Aurora 12x12 HEX and 8 x Lanta RGB
- LED Profiles: 4 x Prolights ECLProfile FWVW
- LED Uplighters: 6 x Chauvet Colorado 1 Quad
- Generic: 8 x 1kW ADB Profiles, 6 x 1kW Teatro Profiles, 2 x Silhouette 30 Profiles
- Lanterns: 8 x 1kW ADB Fresnels, 2 x 1kW Par 64 Parcans, 4 x 1kW Floor cans
- Follow Spots: 2 x LDR Astro 250 PLUS LED
  (Positioned House Left and House Right)

Stage Power

- **Positioned USL (All Single Phase is on the Sound Phase)**
  1 x 63A 3ph Ceeform 1 x32A 3ph Ceeform 1 x 32A single Ceeform 2 x 16A single Ceeform

- **Various points around stage**
  13A ring mains
  Non-Dimmable 15A - controllable from LX desk position

Projection (hire charge may be applicable):

- 1 x Panasonic PT-MZ882 Laser 3LCD Projector (8,200 Lumens) (Permanently hung for front projection)
- 1 x Stumpfl Monoblox32 16:9 front projection screen (488cm x 274cm)
- White cyclorama cloth covering upstage wall
- Video source output requires HDMi port
- SDI cabling, BlackMagic ATEM Mini Extreme and SDI-HDMi converters for routing from stage and FOH control to projector.

Additional Equipment (hire charges may be applicable)

- Piano: Steinway Model B Baby Grand
- 5 x TecPro Beltpacks and Headsets for comms
- Le Maître MVS Hazer with DMX control
- Risers: Alu Rapid rostra: 8 platforms of 1.8m/6ft x 0.9m/3ft
  3 platforms of 0.6m/2ft x 1.8m/6ft
  (All platforms on 0.4m/1.25ft legs)
- 7 Section Drum Shield
- Lectern
- Music Stands
- Armless Chairs / Stools
- Mirror Ball

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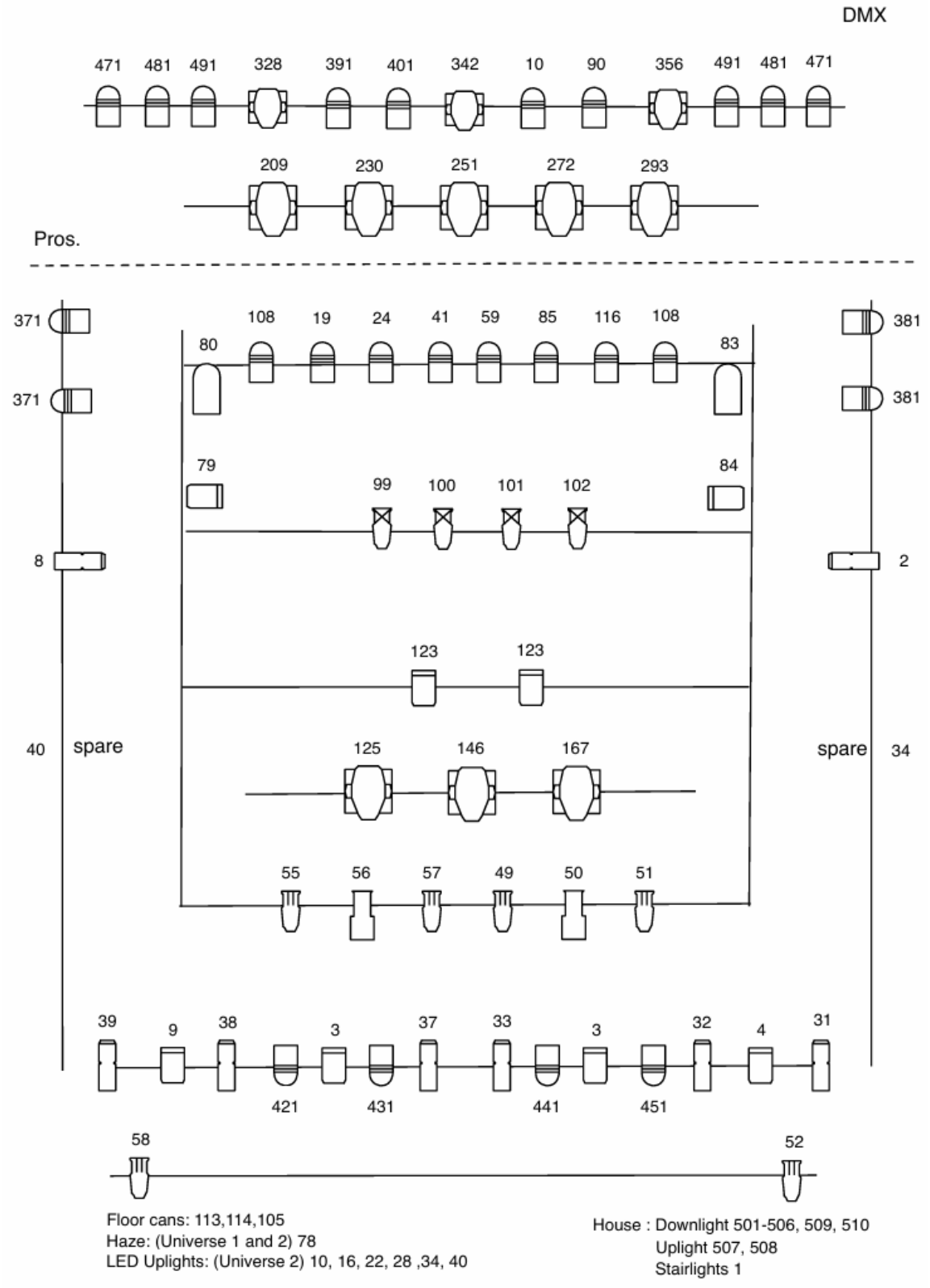
Health & Safety

- All electrical plant equipment must comply with the current Electricity at Work Regulations 1998 and smaller equipment must comply with BS. 7909:1998
- All flown technical equipment must have secondary safety fittings.
- Specific Risk Assessments, Work Associated Procedures, PAT test paperwork, stage and lighting plans must be submitted three weeks prior to the get in day.
- All fabrics used must conform to standard fire regulations BS. 5867 part 2, a fire-retardant certificate must be submitted for each material used.
- All rigging, flying and means of suspension must comply with the current LOLER Regulations 1998.
- For any regulation or areas you might be unsure about conforming to, please contact the Technical Department for clarification.

Special Effects

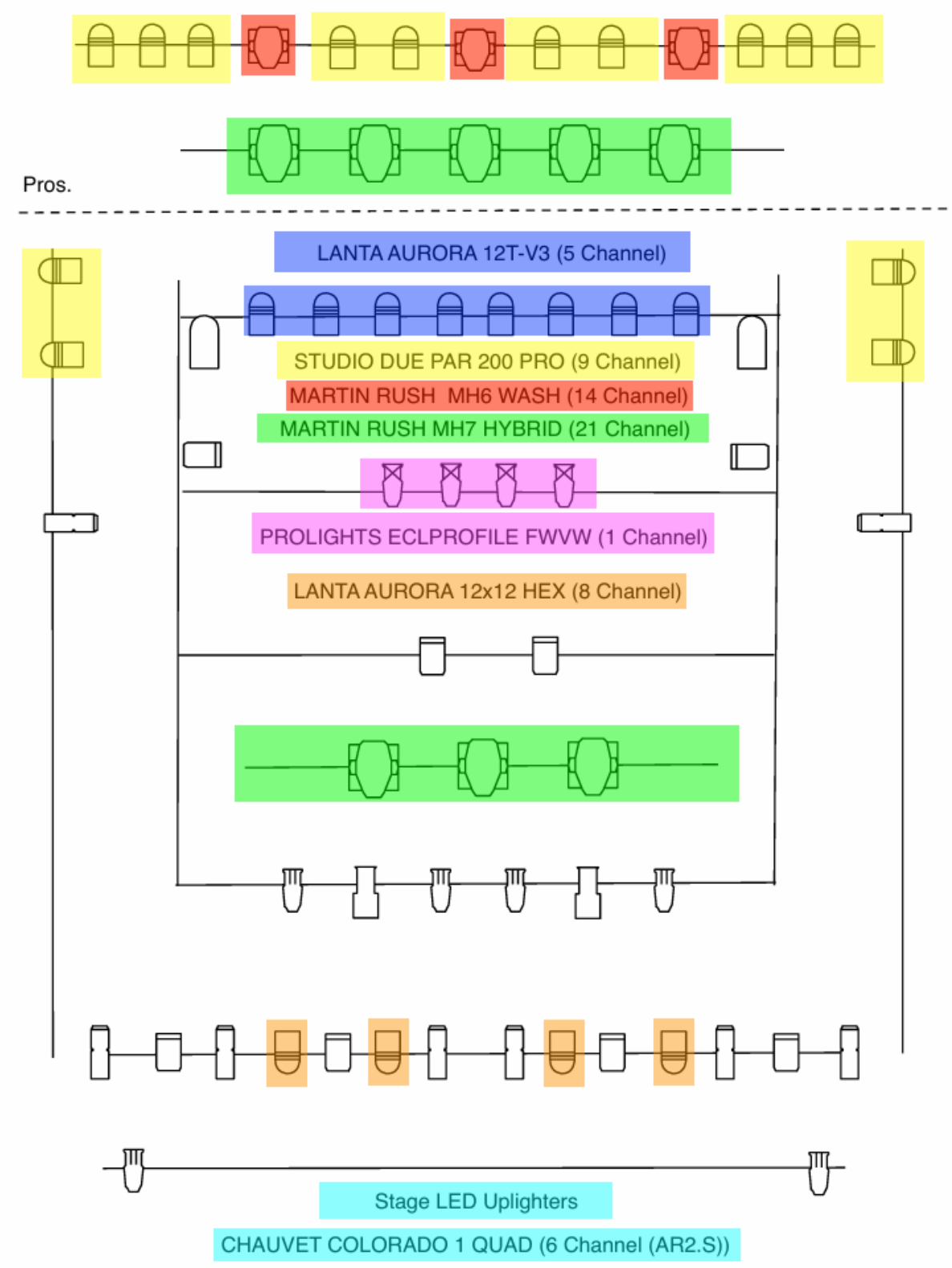
- Method statements and risk assessments must be sent through to the technical department (technical@stables.org) at least three weeks prior to the event. Documents cannot be accepted on the day of the event. The effect can only be used upon authorisation by the Technical Manager.

Jim Marshall Auditorium Lighting Plot



For further information please contact The Stables Technical Department on 01908 280822 or email technical@stables.org

Non-Generic Lighting Fixtures Plot



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