

South Mill Arts – Bishop’s Stortford Technical Specification

Technical Administrator

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Appendix 1 – SMA General LX Rig Plan

Appendix 2 – SMA stage plan

Appendix 3 – SMA Stage dimensions quick sheet

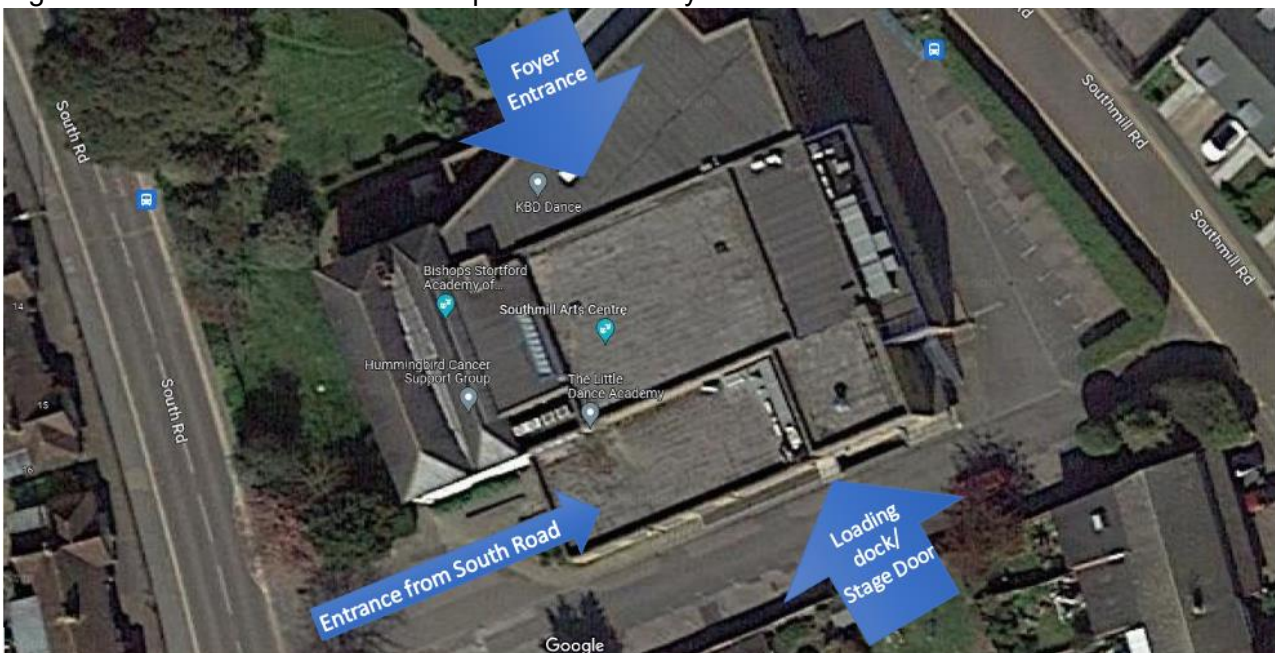
Load in

Load in is via a 1100mm wide concrete ramp to auditorium level.

Load in doors 1350x2040mm (WxH)

There is a gate at the top of the ramp where it is possible to load off the side of a luton tail lift.

We use Parkingeye at South Mill Arts, please advise how many vehicles you are bringing and the registration numbers for all vehicles prior to event day.



Stage

April 2026

Load in Ramp	1.1m width
Load in doors	1.35 x 2.04m (WxH)
Proscenium Opening	7.8m
Proscenium Height	3.75m
Stage depth, rear of pros to rear wall	6m
Apron depth, D/S edge to rear of proscenium	2m
Stage height	1.2m
Height to lowest border	3.66m

Stage surface is glossy black Rosco dance floor. No drilling into the floor is allowed. Rear wall is painted white to use as a cyclorama. There are no installed steps from auditorium to stage. By default, we allow for a temporary set which require the removal of seats A17-18. We can provide a second set if requested in advance which require removal of more seats.

Masking

Split starcloth on a track US and full set of black masking in place including midstage tab, adjustable legs x3 and pan track.

Dressing Rooms

All dressing rooms have audio show relay and calls. The green room also has a video show relay.

DR1 (Green Room) is at stage level and is suitable for wheelchair users with access via a Stannah stair lift. It has an accessible bathroom with toilet and shower. This room is our primary access to stage from the auditorium and to the SL wings from the dressing rooms under stage. There is a divider which can be used if privacy is required. Suitable for 4.

DR2 is below stage with 2 x shower, 2x toilet cubicle, 4 x sink. Suitable for 13.

DR3 is below stage with 2 x shower, 2 x toilet cubicle, 2 x urinal, 3 x sink. Suitable for 12.

DR4 (Laundry) is below stage with 2 x toilet cubicle, 1 x sink. Suitable for 4.

Company facilities

A washing machine and tumble dryer are in DR4. An iron and ironing board is available.

There is no separate company office. Free Wi-Fi is available throughout the building.

Free parking for cars & vans is available to the front of the building (No permit is required, just advise the Technical Administrator of vehicle details prior to event day)

Please contact us regarding larger vehicles.

We have a café & bar, which is open throughout the day serving hot & cold drinks and bar snacks. There are several food outlets nearby.

Rigging

BAR	FUNCTION	MAX LOAD (Kg)	MAX OUT DEAD (m)	BAR LENGTH (m)	DEPTH FROM SETTING LINE (m)	NOTES
STAGE						

Fixed track	House tabs	N/A			0.1-0.2	Blue house tabs operated from hand winch DSL
Hemp Bar 1		100	5.3	7.8	0.3	Only to be used for border for cinema unless otherwise arranged
Cinema screen		N/A			0.35-0.55	Brackets are located at either end of the screen to support the house roller
Drill Winch 1	LX 1	200	5.1	9.5	0.8	12 dimmer circuits, DMX and 13A hard power, 30kg per metre
Drill Winch 2	Border and legs	200	5.1	9.5	1.5	D/S masking legs on single T60 track, border tied to bar, clearance 3.9m
Second screen			4.1		1.55-1.75	Permanent install
Drill Winch 3	LX 2	200	5.1	9.5	2.1	12 dimmer circuits, DMX and 13A hard power, 30kg per metre
Hemp Bar 2		100	5.3	9.5	2.6	
Drill Winch 4	Border and legs	200	5.1	9.5	2.8	Full Split Blacks on single T60 track, border tied to bar, clearance 3.66m
Hemp Bar 3		100	5.3	9.5	3	
Drill Winch 5	LX 3	200	5.1	9.5	3.5	12 dimmer circuits, DMX and 13A hard power, 30kg per metre
Hemp Bar 4		100	5.3	8.3	3.9	
Fixed Bar 2	U/S wing masking	N/A	5.3	9.5	4.2	*Load must be subtracted from other bars
Drill Winch 6	LX 4	200	5.1	8	4.5	10 dimmer circuits, DMX and 13A hard power, 30kg per metre
Hemp Bar 5		100	5.3	9.5	5.2	
Unistrut	Split Star Cloth	N/A	N/A	9.5	5.5-5.7	Split Black Star Cloth on overlap track, Pulley USL
Hemp Bar 6		100	5.3	8.9	5.9	
FRONT OF HOUSE						
Fixed bar	FOH 1	200	4.6	14.3	3.9	40kg per metre
Fixed bar	FOH 2	200	4.3	14.3	5.8	40kg per metre
Fixed bar	FOH 3	200	4.6	14.3	13.1	40kg per metre
Fixed bar	FOH 4	150	4.5	7.3	5.8-13.1	Runs from FOH 2 to FOH 3, 6m from centre, 40kg per metre
Fixed bar	FOH 5	150	4.5	7.3	5.8-13.1	Runs from FOH 2 to FOH 3, 6m from centre, 40kg per metre
Vertical bar	Perch SR	60	2.7-4.3	3.6	3.9	Use boom arms to rig, 7m from centre
Vertical bar	Perch SL	60	2.7-4.3	3.6	3.9	Use boom arms to rig, 7m from centre

Lighting

South Mill Arts uses a standard lighting rig, any changes from this are done within the hours of the hire unless a pre-rig has been arranged. The rig must also be returned to this setup during the hours of the hire. Please email the Technical Administrator if you require a copy of the current rig. A total of 110 dimmable circuits & 12 non-dim circuits switchable from the dimmer room.

Lighting Control

Control can be via an Avolites Arena or an ETC Nomad – running off a MacMini

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2 universes of DMX are patchable, one feed per lighting bar and each corner of the stage.

House Lighting

House lights can be controlled via DMX or wall panel in the booth or side of stage.

Circuit No.	Location
1 – 12	FOH 1
13 – 24	FOH 2
25 – 28	FOH 4
29 – 32	FOH 5
33 – 38	FOH 3
39 – 43	Perch SR
44 – 48	Perch SL
49 – 60	LX 1
61 – 72	LX 2
73 – 84	LX 3
85 – 94	LX 4
95 – 98	DSL
99 – 102	DSR
103 – 106	USL
107 – 110	USR

Lighting Equipment

18	1.2kw Selecon Rama Fresnel
6	1.2kw Strand Cantata Fresnel
12	650w Selecon Acclaim Fresnel
18	750w ETC Source Four Par
12	1kw Par 64 long nose(CP62)
8	1kw Par 64 short nose floor can (CP62)
12	600w Selecon Acclaim Axial 18/34 (M size gobo)
4	600w Selecon Acclaim Axial 24/44 (M size gobo)
8	Chauvet R2 moving head wash
4	Chauvet R3 moving head spot
4	Stairville BSW 350W LED movers
8	ETC Colorsource deep blue Par
9	Chauvet Professional Ovation E-2 FC Profile Spot
2	ETC Colorsource Cyc
6	Eurolite IP PIX Strobe
10	BEAMZ LED Uplights
5	Showtec 10ch Sunstrips
5	Pulsar Chromaflood 200
1	40cm mirror ball and rotator + 2 pinspots
1	Look Solutions Unique 2.1 Hazer
8	Doughty tank traps with various lengths of scaffold tube
	Various boom arms available on request
2	ShowLED Chameleon RGB Starcloth on split curtain track 200mm from rear wall.

- 1 Robert Juliat Buxie MSR 575W followspot (Operator can be provided at an additional cost by prior arrangement)

Power

There are 13A sockets in each corner of the stage.

Touring supply located MSL

- 1 63A 3ph
- 3 63A 1ph
- 1 32A 1ph

Specials Effects

We have 2x DMX controlled Cold Sparks available (with additional fee)

Please contact the Technical Administrator regarding the use of any pyrotechnics, special effects or confetti at the venue. The Venue will require a risk assessment and method statement submitted 14 days in advance and may require a demonstration on the day of the event.

Sound

House Sound Mix Position is in the tech booth located centrally on the balcony, the house desk can be removed by prior arrangement.

FOH Touring Mix Position is located in the back 2 rows at the centre of the rake seating. Our default platform size is 2x1m (This requires the use of our stage risers). This is achieved by removing 10 seats. If a larger space is required, please advise at point of contract as it requires the removal of more seats. The multicore run is approx. 40m to SL wing.

Installed PA

- 3 L-Acoustics Kiva per side
- 2 L-Acoustics SB18
- 2 L-Acoustics 5XT (front-fill)
- 3 L-Acoustics X8 per side for cinema surround

Monitors/additional speakers

- 2 L-Acoustics X8 flown on LX 2
- 4 L-Acoustics X12 passive floor monitors
- 4 RCF 4Pro 480W active floor monitor
- 2 QSC K12 active loudspeaker/monitors

Sound Operation Equipment

Allen & Heath AVANTIS 240X 64 channel Digital Sound Console (Including Dante I/O Card)

Allen & Heath DX168 Audio Rack (16 in x 8 out) (located in tech booth)

Apple Mac Mini (Running Qlab 4 sound and video license)

Patching

Allen & Heath AR2412 Expander (24 in & 12 out) Located in the radio mic rack SR

Allen & Heath AR84 Expander (8 in x 4 out) Portable

There are 28 inputs and 20 returns available on stage patchable in the booth allowing an additional 16 inputs and 8 outputs to the desk.

Microphones

- 5 Shure SM58
- 1 Shure Beta 58A
- 4 Shure SM57
- 1 Shure Beta 57A
- 1 AKG D112
- 4 Sennheiser E604

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- 2 Sennheiser E906
- 3 AKG C414
- 4 AKG C1000s
- 4 Sennheiser ME64
- 2 AKG C547BL (Boundary Mics)
- 2 AKG C747 (Lectern Mics)

- 4 K&M Straight mic stands with weighted round base
- 8 K&M Tall boom mic stands
- 6 K&M Short boom mic stand
- 4 Radial Pro48 mono active DI
- 2 Radial ProD2 stereo passive DI
- 6 Behringer DI100

Wireless Microphones

- 10 Sennheiser EW300 G3 receivers
- 4 Sennheiser EW300 G4 receivers
- 10 Sennheiser G3 Beltpack transmitter complete with headset mics
- 4 Sennheiser G3 Handheld Radio Microphones
- 4 Sennheiser G4 Beltpack transmitter complete with headset mics
- 4 Sennheiser G4 Handheld Radio Microphones
- 4 Sennheiser G4 XLR transmitter

Audio-Visual

- Barco SP2K Laser Cinema projector
- Optoma EH320USTP 4000 lumen Ultra Short Throw 0.25:1 Projector (primarily for projecting onto the cyc)
- Roland V-1HD video switcher
- Denon DN-500BD Blu-ray player
- There is a 2-way SDI run from tech box to the SM Desk with HDMI inputs/ouputs at both ends

Stage Management

- Stage manager desk DSL equipped with, Comms, Call Station and monitor displaying the FOH Infrared Camera feed of the stage, as well as an IP fisheye camera facing downstage rigged on LX4. There is also DSM desk located in the SR nest with a stage video feed. Backstage calls can also be made from the tech booth. Both cameras are fixed and can not be removed from their rigged positions on FOH2 and LX4.
- 4 Canford wired single channel comms belt packs with single muff headsets.
- 4 Altair wireless comms
- 1 IR Camera positioned on FOH 2 feeds to SM desk, Green Room and Dressing Rooms.
- 1 IP Camera positioned on LX4 feeds to SM desk, Green Room and Dressing Rooms

Staging

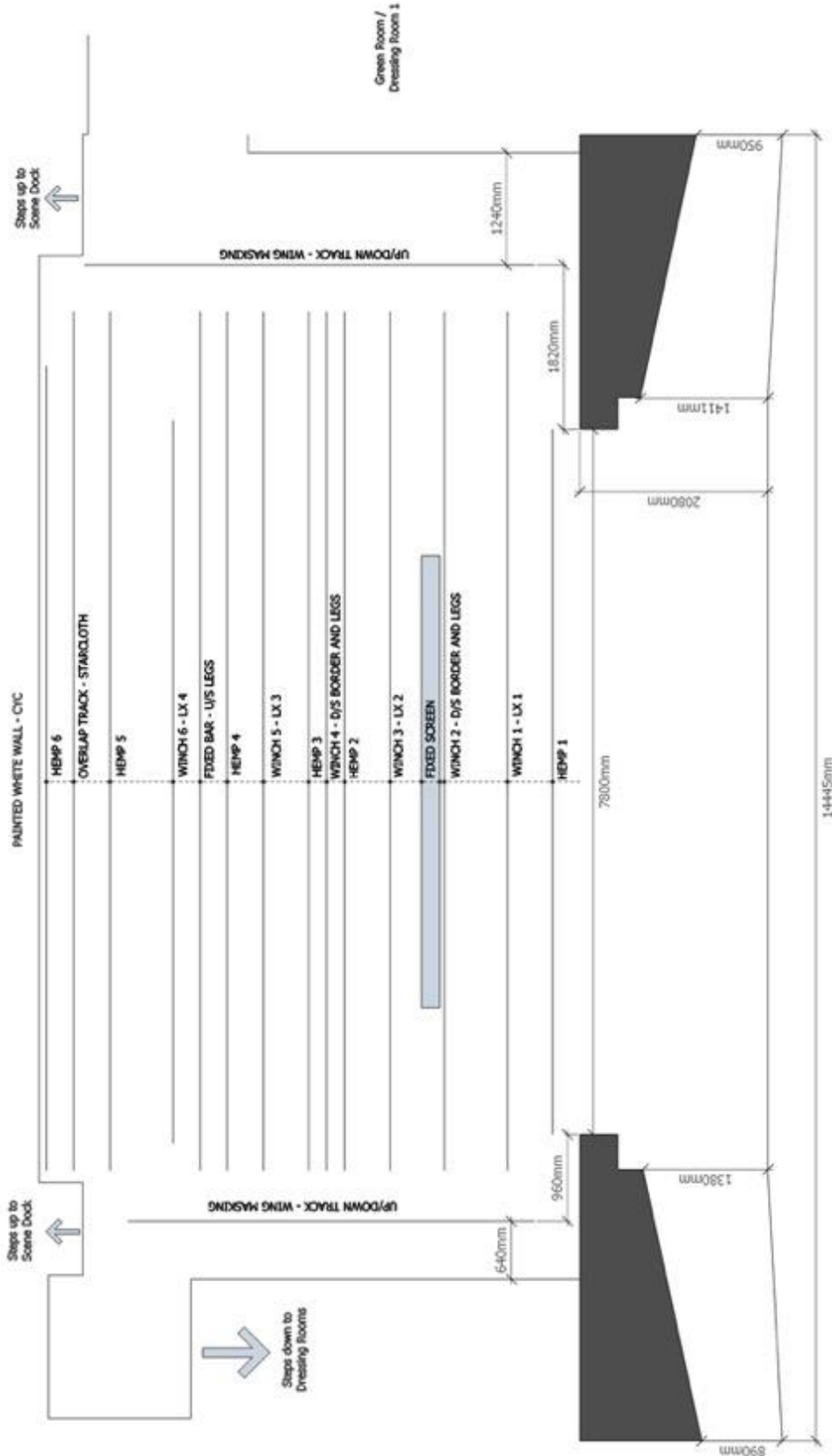
SMA has a small supply of stage risers with interchangeable legs, please check with the Technical Administrator for further information.

Appendix 1 – SMA General LX Plan

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Appendix 2 – SMA Stage Plan



Appendix 3 – SMA Stage dimensions quicksheet

Horizontal

From	To	Distance (mm)	Distance (feet)
Setting Line (SL)	US Cyc	6000	19.7
SL	DS Apron	2080	6.8
SL	Front of Pros	670	2.2
SL	MS Curtain	2800	9.2
Centre Line (CL)	Pros Opening (L or R)	3900	12.8
Pros Opening L	Pros Opening R	7800	25.6
CL	Pan Track SL	5720	18.7
CL	Pan Track SR	4860	15.9
CL	SL Wall	6960	22.8
CL	SR Wall (Drill Winches)	5500	18
CL	Front Apron Wall (SL/R)	7223	23.7
Front Apron Wall L	Front Apron Wall R	14445	47.4
SL Aud Wall	SR Aud Wall	14300 (Approx)	46.9
DS Apron	Front Edge of Rake (Away)	11600 (Approx)	38

Vertical

From	To	Distance (mm)	Distance (feet)
Stage Floor	Bottom of Pros	3750	12.3
Stage Floor	Hemp Bar Max Dead	5300	17.4
Stage Floor	Fly Floor	5400	17.7
Stage Floor	Lowest Border (Gen. Rig)	3660	12
Stage Floor	Auditorium Floor	1200	3.9
Stage Floor	FOH LX Bar (1)	4600	15.1
Stage Floor	Roof	4800	15.7
Auditorium Floor	FOH LX Bar (2)	5600	18.3
Auditorium Floor	Roof	5800	19.0