



New
Diorama
Theatre

New Diorama Theatre Technical Specification Revision 6, 2026

Revision No	Revision Date	Author	Revision
6	Jan 2026	Benji Huntrods	Interim update - Rigging and Power

CONTACTS

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GENERAL

Dimensions

The theatre can be configured to have different seating capacities by removing or adding the front two rows of seats. This will affect the playing space. Note at full capacity of 79*, there the front two rows are on the same level as the stage. While capacity of 68 or 57 is possible, this required discussion at a contractual level in advance, given the significant impact on box office revenue.

** 2 additional seats can be added in the side slips either side of the auditorium.*

Depth	57 Seats	6.2m
Depth	68 Seats	5.5m
Depth	79 Seats	4.8m
Depth	To Fire Corridor	4m (max depth for permanent scenery)
Width		8.15m (US Wall) / 7.3m (DS)

Overall Theatre dimensions (with seating bank retracted): 8.15m x 10.8m at widest point / 7.3m x 10.8m at narrowest point.

Height to bottom of truss as standard is 4.7m (adjustable height)

Masking

Soft Masking:

1 x Rear Black curtain

SER01	60"IFR STANDARD SERGE BLACK
Size	6 w x 4.68 m drop (6 w = 6 widths = approx 8.7m finished width after seams etc) Vertical Seams
Top	Single Web & Tapes @ 300mm
Side	25mm Hem (turn once)
Base	150gm Lead Tape Pocket

2 x Side Black Curtain

SER01	60"IFR STANDARD SERGE BLACK
Size	Each 3 w x 4.68 m drop (3 w = 3 widths = approx 4.35m finished width after seams etc) Vertical Seams
Top	Single Web & Tapes @ 300mm
Side	25mm Hem (turn once)
Base	150gm Lead Tape Pocket

Stage

The back wall of the theatre is not load bearing; nothing can be fixed into it.

For questions about painting the stage or walls please communicate with the Production Manager.

Double-sided tape cannot be used on the floor or walls due to the damage it causes when pulled up. Masking, LX, and dance floor tape may be used.

Tech Box

The tech box is on the first floor above the stage, on the stage right side. Lighting and Sound is can be controlled from the back of the auditorium (AL) Powering up/down is from the tech box. There is a video and sound relay in the control room and in the green room.

Power in Tech Box (can be reallocated as required)

4x 63A Single Phase

- Socket 1 - Beta Pack
- Socket 2 - Beta Pack
- Socket 3 - Beta Pack
- Socket 4 - Distro - Including 5x 16A power to grid. 2x 32a for beta packs

1x 32A Three Phase - Truss Motors

Power in Auditorium

- 6x IWB 15a Dimmers on FoH1 and FoH2
- 4x 6x 15a Fan out Dimmers across the Truss (see plan)
- 2x 16A on FoH 2 (*both for general rig*)
- 3x 16A on the Truss (*1x for general rig*)
- 4x 13a Power both SL and SR onstage
- 13a power in auditorium slips AL and AR

LIGHTING & ELECTRICS

Lighting Control

- ETC ION Xe with 20 fader wing
- 4-Way DMX splitter - each output has 3 and 5-pin DMX.
- Dimmers and Power
- 5x Zero88 Beta Pack's - 30 Dimming channels
- 4x 16a Sockets providing hot power to the grid.
- 2x Zero 88 alpha packs - limited to 13a mains.
- Separate House light dimmer.
- 13a Power available at stage level.

Lantern Stock

- 14x Selecon Acclaim Fresnel (650w)
- 8x Chauvet Ovation F-415FC Fresnel
- 8x Chauvet P-56FC Parcan
- 8x Stairville LED Flood panel 150 40° RGB
- 2x Equinox RGB Power Batten MKII
- 8x ETC Source Four JR 25-50 (575w)
- 8x Selecon SPX Zoom Profile 25-50 (600w)

- 6x Par64 (various lamps)
- Unique 2.1 Hazer (You must provide Unique Haze Fluid)

Sound

- Behringer X32 Compact
- 2x KV2 EX12 - Main L/R PA
- 1x Alto 15" 1200w subwoofer (under seating bank)
- 4x Yamaha VS4 - Surround Sound Speakers
- 3x Shure SM58 Microphone
- 1x Shure PG58, 1x Ultravoice XM8500, 1x Samson Q2U
- 30m 8-In/4-Out XLR Stagebox
- Behringer S16 Digital Rack
- We do not have any stage monitors in house

Video

- Epson EB-735U (7000 Lumen Laser Projector).
- Fibre HDMI cable to Mac in operating position

Playback

- Apple Mac Pro 2013, 3.5Ghz 6-Core, 32GB Ram, Running Qlab v5 Pro License. Full bundle: LX, Sound and AV.

Rigging

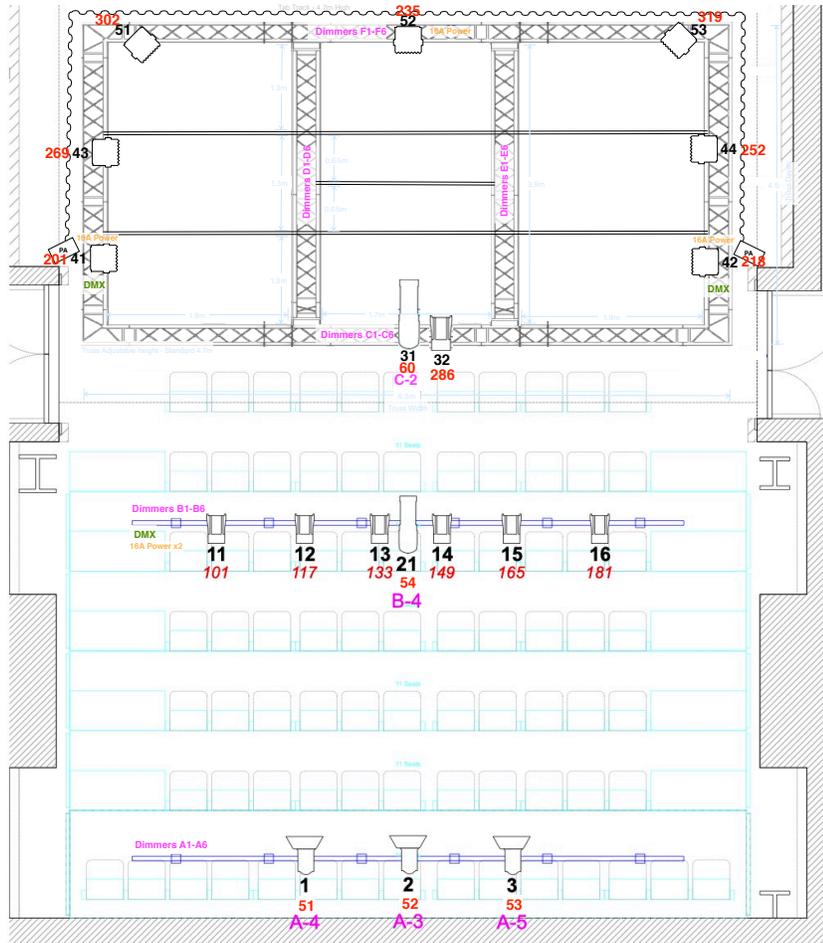
- Motor controlled Truss rig. Standard height set at 4.7m but this is adjustable to need. **The truss motorised system can only be controlled by the Production Manager or the General Manager.**
- 6x Doughty tank trap.
- 2x 1t Strops. 4x 1m Steels.
- Various lengths of scaffold, swivel and fixed scaffold clamps. Please note when attaching to the truss **only** half couplers can be used. Scaffold clamps can only be used to attach scaffold poles to each other.

Access Equipment

- 1x 12 Rung Zarges Ladder
- 1x 10 Rung Zarges Ladder
- 2x Medium Fibreglass Site Ladder

Standard LX Rig Plan

We have a standard rig in place. Adjustments and additions have to be agreed in advance and the standard rig re-instated. DWG plans and a Blank plan are available upon request.



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	Selecon SPX 25 50deg	2
	Selecon Acclaim Fresnel	3
	Chauvet Ovation P-56	7
	Chauvet Ovation F-415 VW	7

Loading / Deliveries

Loading of set and technical equipment is on the same level as the theatre. Please note that we do not have a designated load in/out bay. You will need to load in/out on a single yellow line on Longford Street - please contact the PM or GM prior to get-in.

Vehicles usually have to be moved after they are emptied.

Distance is approx. 20m - 40m from theatre depending on van size / access.

Access/Parking

Please note: There is no parking at the theatre. If you have access requirements please contact the team.

The specific access times will be outlined your contract, along with which spaces you have access to. You will not be able to access the space before the times outlined in your contract.

FACILITIES

Foyer/Cafe

Visiting companies have the use of the Foyer/Café during hire period, fresh coffee and pastries are available at the café with a 10% discount for visiting companies. Please be aware that the café is open to the public 08:30-17:30 Monday to Friday.

Toilets

We have toilet facilities available FoH and BoH for visiting companies and visitors to use during the day. We have 2x Accessible toilets available. All of our toilets are gender neutral.

Green Room

The green room space is available to all companies in our Theatre and the Garden Studio as well as NDT Staff, please be considerate of others in this space.

Please feel free to use the following:

- Washing machine and tumble dryer.
- Fridge/Freezer and sink.
- Kettle.
- Dishwasher
- Microwave ovens.

The green room must be kept clean by all those who use it. There are places, bowls, mugs and cutlery available; any NDT items that are used must be washed thoroughly in hot soapy water, or placed in the dishwasher after use.

The fridge is a shared space and is cleared out on a weekly basis, so please label all stored food with a personal and show name so we know who it belongs to.

Dressing Rooms

We have 2 dressing rooms available to companies in our building. Dressing room one is available through the wing in the theatre, dressing room two is available via the green room. Each dressing room is provided with tables, mirror and clothes rail.

Storage space is limited on site, so we encourage companies to store props and costume in the dressing rooms where necessary.

Licensing Requirements

All scenic elements should be constructed from non-combustible material and/or inherently flame-retardant fabrics. Timber scenery should meet Class 1 when tested in accordance with BS 476 pt. 7. Please contact the Production Manager or General Manager if you are unsure.

GM or PM must be informed at least 28 days prior to the get in of the use of any pyrotechnics, smoke effects, fire effects (including candles) as authorisation will be required. A test firing will be required of all pyrotechnic effects.

All visiting companies will be required to submit a show specific risk assessment prior to loading into the venue. Any hanging scenic items or performer flying must be sufficiently planned and communicated with the technical team or the PM/GM well in advance to ensure all safety mitigation measures are in place.

All accidents, incidents or near misses must be reported to the duty manager at the time it happened as it is our responsibility to ensure your safety and prevent injury to others.

Fire Alarm Isolation

The main house theatre has a manual isolation procedure in place for its fire detection system. Before using haze or similar smoke effects, please confirm with the office team or Duty manager that the correct areas are isolated prior to use to prevent an alarm activation. If unsure, please check.

Allocation of an NDT technician will be as per your contract and attached schedule, please refer to that for the specific timings of your agreement.

To make a general technical enquiry or to discuss something about our spaces please contact:

bhuntrods@gmail.com - Benji Huntrods, Production Manager

Ryan@newdiorama.com - Ryan Mellish, General Manager

New Diorama Theatre reserves the right to alter the technical specification of its venue without prior notice or consultation.