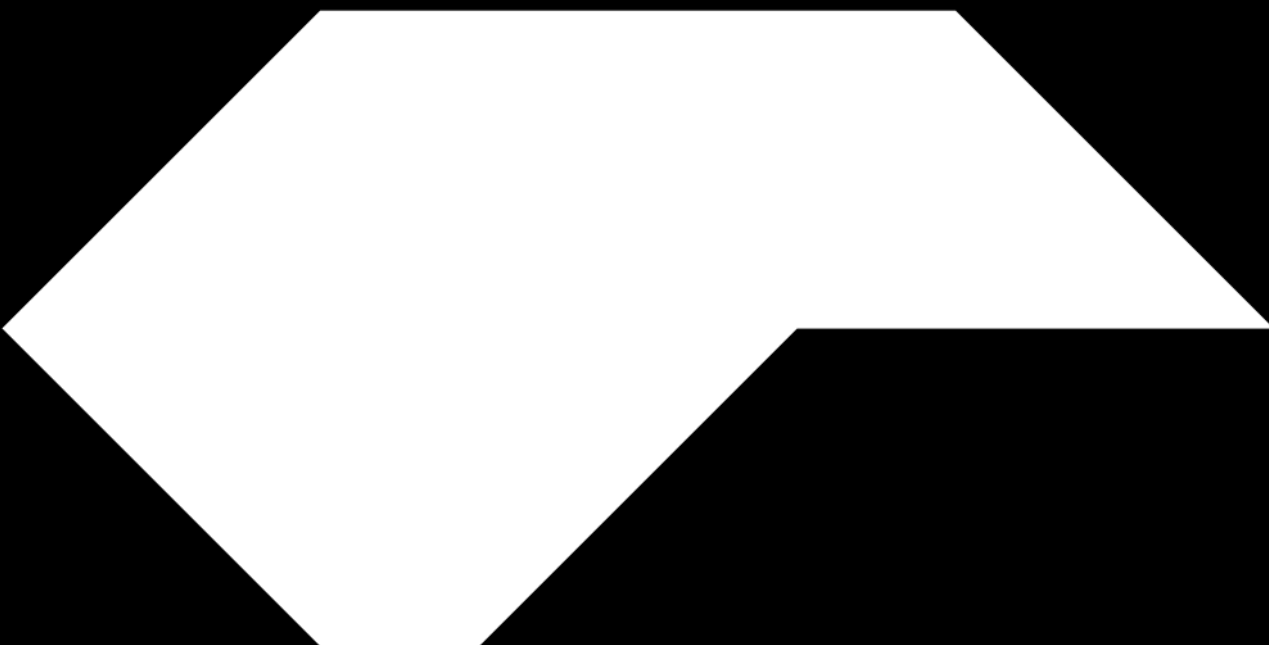


AVIVA STUDIOS

THE HALL

TECHNICAL SPECIFICATION - MUSIC

VERSION 1.4 2025



CONTENTS

THE HALL TECHNICAL SPECIFICATION - MUSIC	2
ADDRESS	2
CAPACITY	2
STAGE DIMENSIONS.....	2
AUDIO	3
LIGHTING	5
FOLLOWSPOTS	5
COMMS	5
MULTICORE RUN – LIGHTING AND AUDIO	6
FOH MIX POSITION	6
RIGGING.....	6
VIDEO	6
RADIO FREQUENCIES	7
CROWD BARRIER.....	7
DRAPES & MASKING	7
SPECIAL EFFECTS	7
VEHICLE ACCESS	8
PRODUCTION VEHICLE ACCESS.....	8
LOCAL CREW.....	8
DRESSING ROOMS	9
VENUE IMAGES	9
TRUSS PLAN.....	11
LIGHTING PLOT	12
VENUE PLAN: STANDING	13
VENUE PLAN: STANDING - SECTION.....	14
VENUE PLAN: SEATED.....	15
VENUE PLAN: SEATED - SECTION.....	16

THE HALL TECHNICAL SPECIFICATION - MUSIC

ADDRESS

POSTAL ADDRESS

Aviva Studios
Water Street
Manchester
M3 4JQ

WHAT THREE WORDS LOCATION

paper.kinds.covers

CONTACT

General email: technical@factoryinternational.org

Upon confirmation of event booking, an event manager and technical manager will be assigned for your event and all advancing can be done via them.



CAPACITY

BASED ON 8M STAGE DEPTH

SEATED

Stalls	560
Circle	640
Total	1,200

STANDING

Stalls	860
Circle (Seated)	640
Total	1,500

STAGE DIMENSIONS

	Meters	Feet
Width	19	62' 4"
Depth	8	26'
Height	0.9	3'
Upstage edge to truss bottom cord	9.5	31' 2"
Downstage edge to underside technical grid	13.3	43' 7"

AUDIO

FRONT OF HOUSE SYSTEM

Console:

- Digico Quantum 338 + SD-Rack 192kHz
- 56 x analogue inputs
- 40 x analogue outputs
- In certain circumstances, a comparable console may be provided.

PA System

PA Truss – Circle Coverage	Flown Downstage	3 x hangs of d&b Y Series 8 boxes per hang
PA Truss – Sub Coverage		4 x hangs of d&b V Subs 2 boxes per hang
Stalls Coverage	Flown Stage Left & Right	2 hangs of d&b Y Series 6 boxes per side
Subs	Ground Stack Stage Left & Right	3 x KSL Subs per side
Front Fills		7 x d&b Y7P
Under Balcony Fills		8 x d&b E6

MONITOR SYSTEM

Console:

- Digico Quantum 225 + SD-Rack 192kHz
- 56 x analogue inputs
- 40 x analogue outputs
- In certain circumstances, a comparable console may be provided.

Monitors:

- d&b amplification on all elements

d&b M4 monitors	9
d&b B4 Subwoofer	2

Mics & DIs:

- All items subject to availability

Item	Stock
Shure SM58	12
Shure SM57	10
Shure Beta 52	2
Shure Beta 91A	1
Sennheiser e904	8
Shure SM137	4
AKG C414 XLII Stereo Pair	1
Radial ProDI (passive)	8
Radial ProD2 (stereo passive)	4
K&M Tall Stands	20
K&M Short Stands	10

Wireless Mics/RF:

- Additional costs apply. Requirements and rates can be discussed during advance.

Item	Stock
Shure AD4Q Wireless Receiver	2 (8 ways of RF)
Shure AD2 handhelds w/B58A heads	4
DPA 6066 Headset mics w/Shure AD1 beltpacks	8

LIGHTING

CONTROL:

grandMA3 Light	1
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FIXTURES:

- Plot and patch available on request

Item	Number	Location
Source 4 LED Series 3 Lustr 5deg	6	FOH Bridge #2
Source 4 LED Series 3 Lustr 10deg	14	FOH Bridge #2
ETC Halcyon Titanium	5	LX 1
ETC Halcyon Titanium	4	LX 2
ETC SolaPix 7	9	LX 2
ETC Halcyon Titanium	6	LX 3
ETC SolaPix 7	6	LX 3
Look Solutions Unique 2.1	2	

FOLLOWSPOTS

- No followspots in-house
- Followspot location in an enclosed booth on Level 5 of the venue with a glass front

COMMS

- Requirements to be discussed in advance. Costs may be incurred for multi-channel programming time
- ClearCom Eclipse HX wireless comms system
- FreeSpeak II beltpacks
- CC 400-X4 headsets

MULTICORE RUN – LIGHTING AND AUDIO

- Multicores run on cable hooks along the edge of the stalls wall and across the circle balcony
- Runs available from SL and SR
- Allow 75m from stage to FOH, depending on final location on stage

FOH MIX POSITION

- Floor area: 5.5m x 3.3m (w x d)
- Risers can be provided

RIGGING

- Walkable technical grid, no MEWPs or access equipment required for standard rigging setups
- Cantilever box truss structure hung upstage.
- All house truss is OV 30cm box truss
- Supplementary hoists and truss available which will be recharged. Requirements will be discussed during advance
- Rigging plans to be submitted during advance for approval
- Riggers, when required, can be booked by the venue and recharged as appropriate or booked direct by promoter

VIDEO

- Additional charges for use of video equipment
- Requirements and costs can be discussed during advance

Item	Description
Projector	Panasonic PT-RQ25K 20,000 Lumen 4k output
Screen	Stumpfl fastfold front projection screen sizes: 16': 4.9m wide x 2.75m high 23': 7.3m wide x 4.1m high 32': 9.75m wide x 5.49m high All screens 16:9 Ratio Standard position is hung from upstage truss

QLab Rack	QLab rack for playback
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RADIO FREQUENCIES

- Licences will be in place for all venue radio mics and comms devices. Details of licenced house frequencies can be provided in advance
- It is the promoter's responsibility to ensure incoming radio equipment has valid licences

CROWD BARRIER

- Prolyte barrier will be used front of stage and around FOH control position for all standing shows

DRAPES & MASKING

- Upstage black drape as standard hung from US cord of box truss
- Various legs, borders, gauze, cyc and pipe & drape available with additional cost. Requirements and costs can be discussed during advance.

SPECIAL EFFECTS

- No pyro to be used in the venue.
- Haze can be used in the venue. Please check with house crew that venue detectors are isolated before activating hazers.
- Cracked oil hazers not allowed to be used in venue due to residue.
- Confetti cleanup fee will be charged. To be discussed during advance.
- Lasers, CO₂, dry ice, etc, can only be used by prior arrangement. Full risk assessments and method statements will be required a **minimum of 4 weeks** from your performance date. Where appropriate we will consult Manchester City Council in advance for clearance.

VEHICLE ACCESS

- No parking on site for any vehicles
- Vehicle access to site controlled by automatic bollards. Vehicle details to be sent in advance to your event manager to ensure access to Factory International site:
 - Vendor Name
 - Vehicle Description (Type and size eg. 45' artic, luton, splitter, car, etc)
 - Number Plate
 - Arrival date & time
- Process for tour bus + trailer access for drop offs will be discussed during the advance if required.

PRODUCTION VEHICLE ACCESS

- Please check all vehicle dimensions and weights against the table below. Any oversize or overweight vehicles cannot be accommodated on the lifts.
- Venue located on first floor of building
- 2 x truck lifts available that can lift vehicles to venue level for load in/load out
- Truck lifts are not linked, can move independently
- Rear of trailers can be levelled to loading bay floor to allow flat push off trailer
- Route to stage from truck lift is 20m

Truck Lift Details	
Max vehicle length	17.9m
Max vehicle width	3.8m
Max vehicle height	4.2m
Max weight load per lift	40 tonnes
Travel time ground floor to first floor	89 seconds

LOCAL CREW

- Local crew, including runners and catering assistants, can be booked by venue and recharged or booked direct by promoter.
- All direct bookings must be made with licensed and insured crew providers. We recommend [Manchester Stage Crew](#).

DRESSING ROOMS

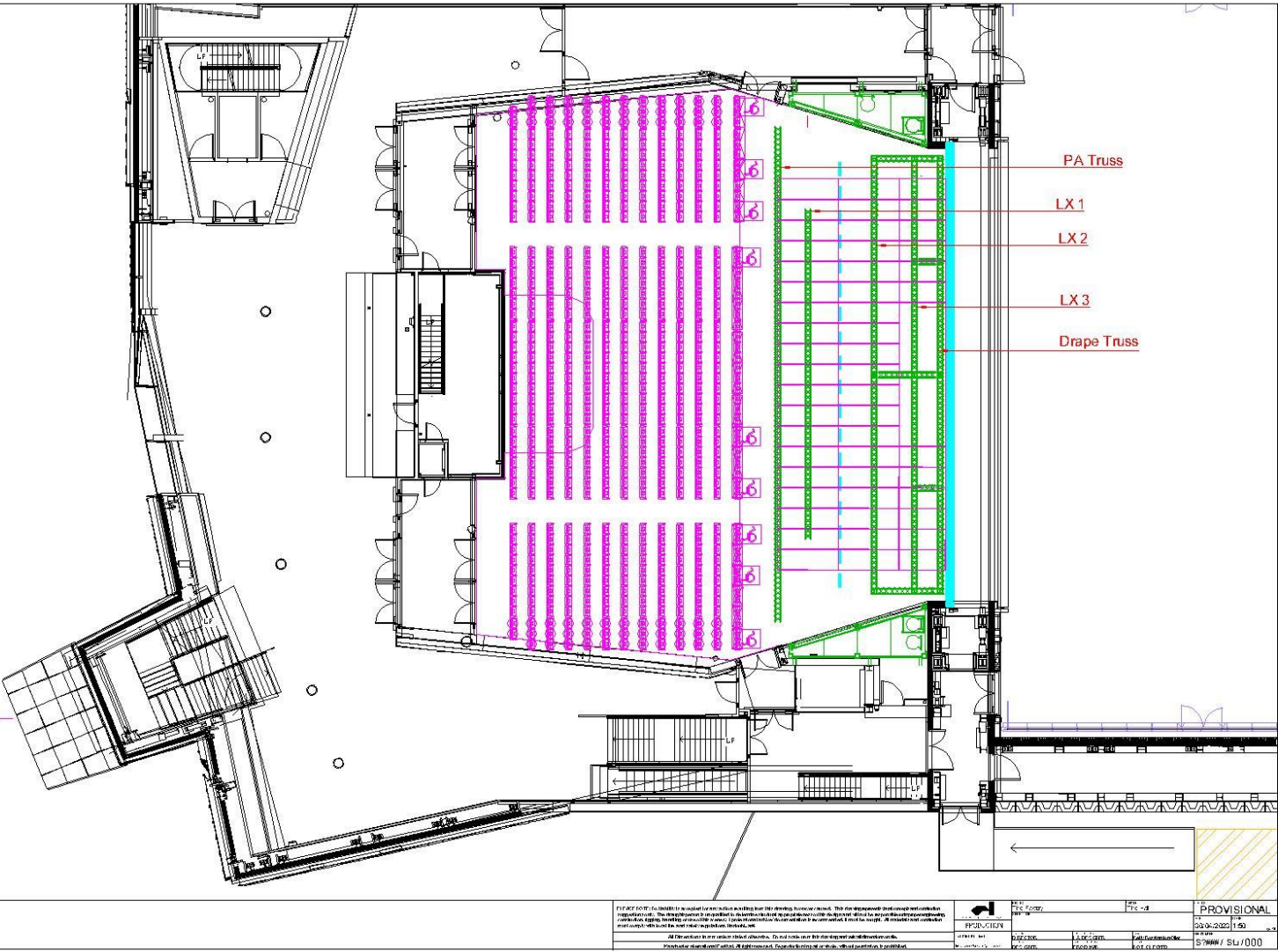
- Dressing rooms are shared across all venues in the building. Dressing room requirements will be discussed and booked as part of the advance with your Event Manager.

VENUE IMAGES



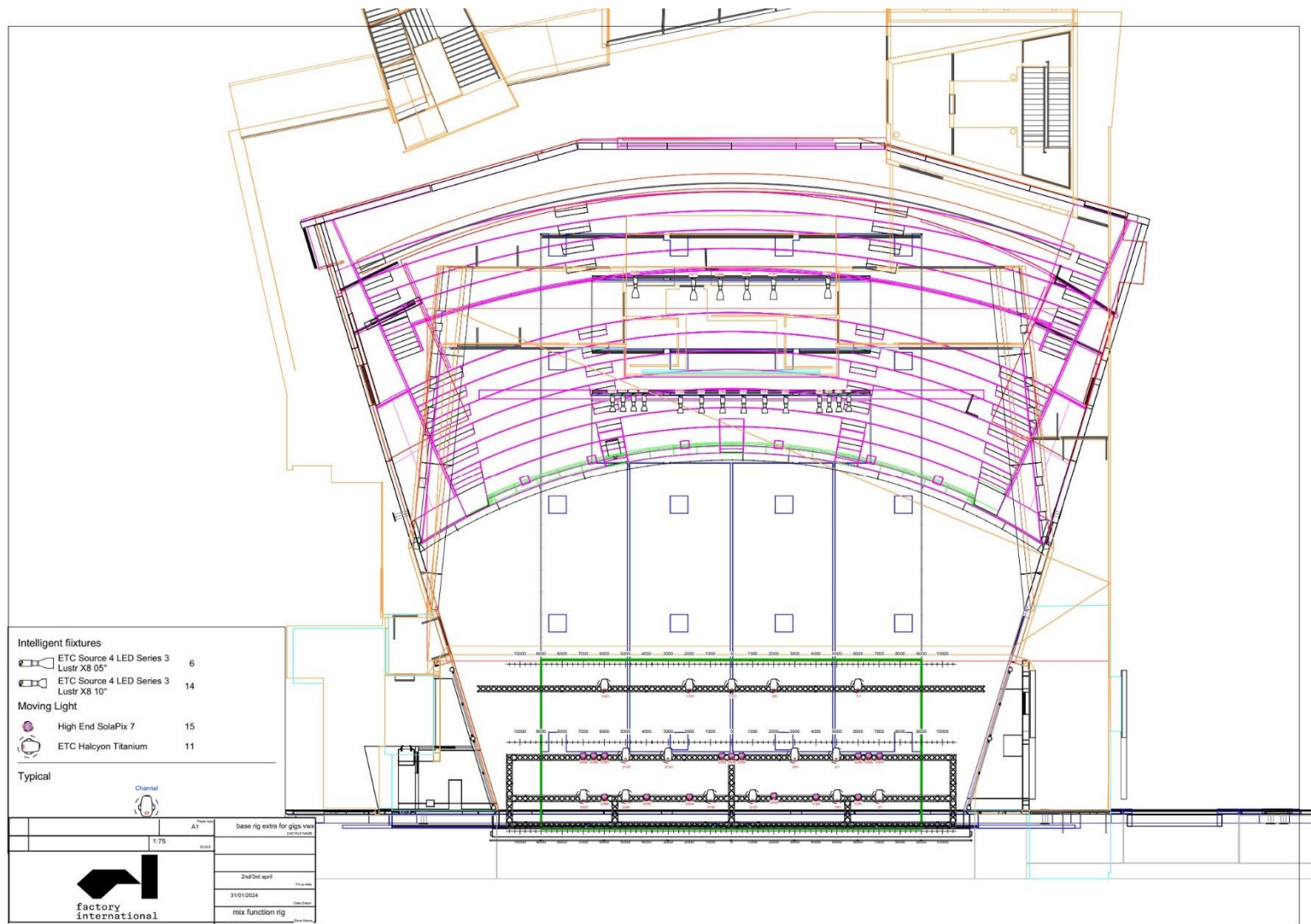


TRUSS PLAN

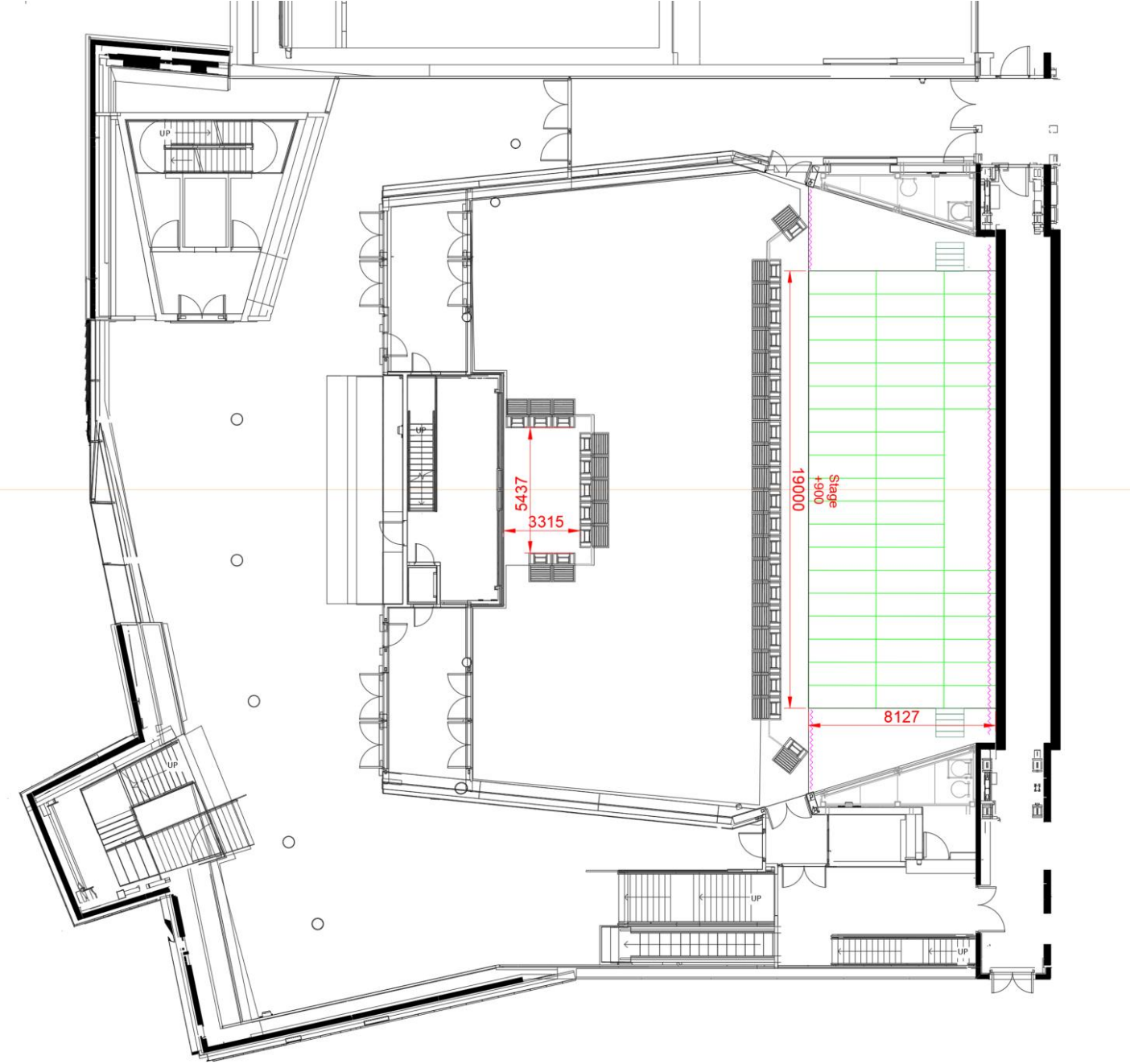


DISCLAIMER: This drawing is a preliminary design and is not intended for construction. It is subject to change without notice. The design is based on the information provided by the client and is not a guarantee of performance. The design is not a final design and is not intended for construction. The design is not a final design and is not intended for construction. The design is not a final design and is not intended for construction.			
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CLIENT: [Name]	LOCATION: [Name]	SCALE: 1/8" = 1'-0"	2013-2021
ARCHITECT: [Name]	ENGINEER: [Name]	DATE: 2013-2021	579966 / SU / 000

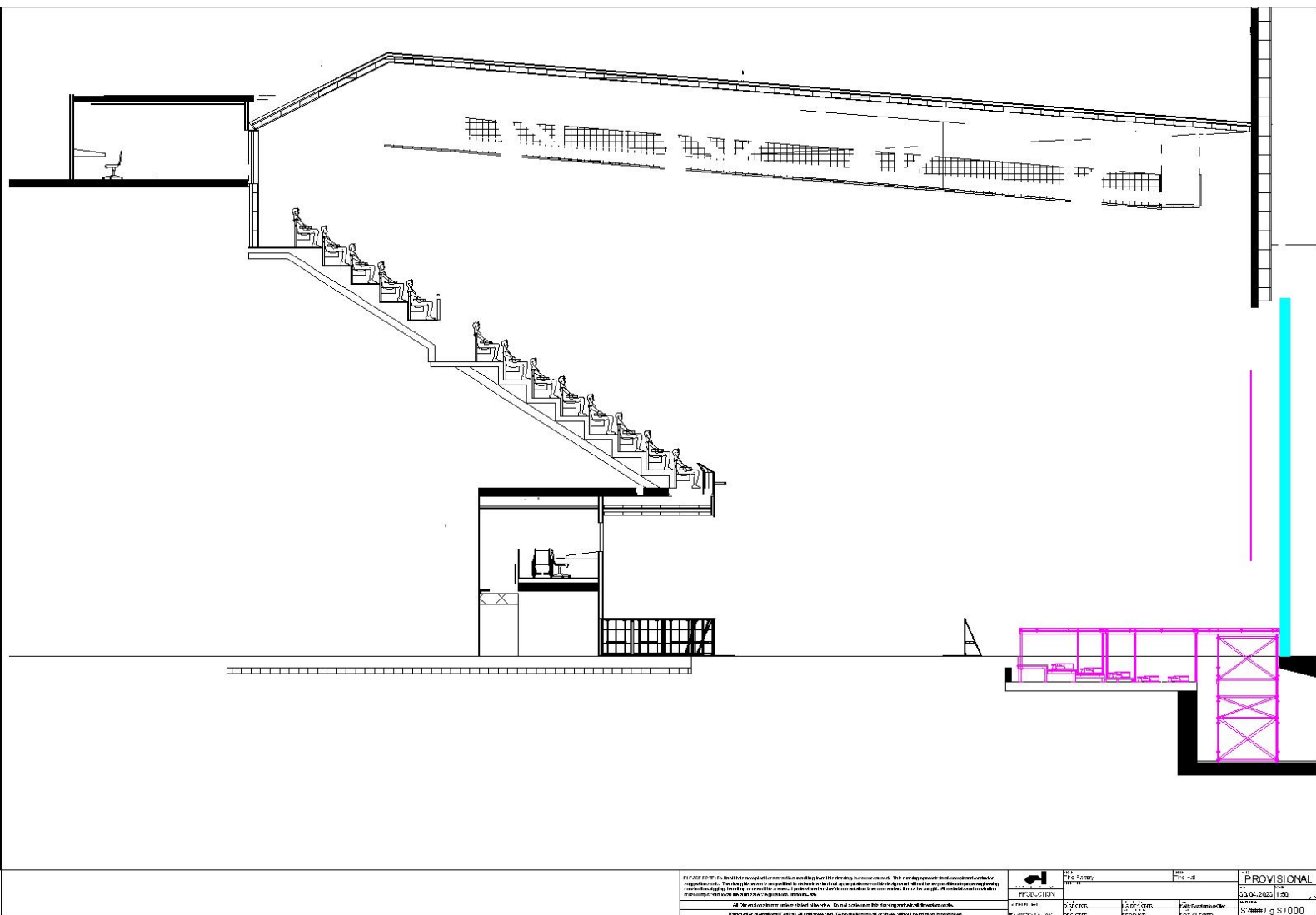
LIGHTING PLOT



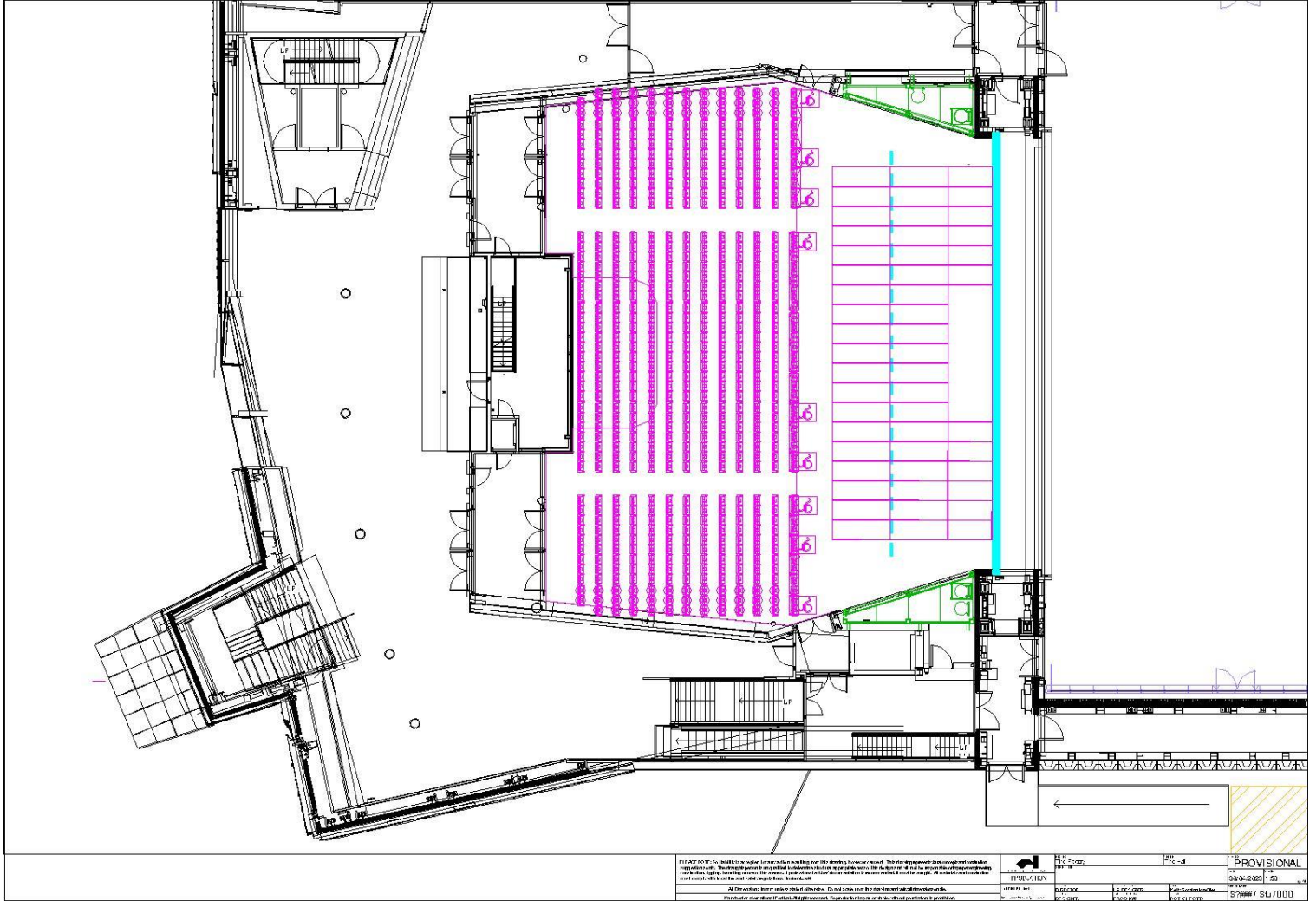
VENUE PLAN: STANDING



VENUE PLAN: STANDING - SECTION



VENUE PLAN: SEATED



VENUE PLAN: SEATED - SECTION

