



*Bradford Arts Centre (St Peter's House) prior to redevelopment*

# kalasangam

**Invitation to Tender for the technical fit-out of  
Bradford Arts Centre's new Studio Theatre.**

Supported using public funding by



**ARTS COUNCIL  
ENGLAND**





*Early visualisation of the new studio theatre at Bradford Arts Centre*

## Contents

The Opportunity.....	3
Kala Sangam / Bradford Arts Centre .....	3
St Peter’s House .....	4
The Capital Project.....	4
Programme & Main Contractor .....	5
Design Team / Consultants .....	5
Site .....	5
Design.....	6
Desired Experience .....	6
Specification of Services Required - Preface.....	7
Responsibility Matrix .....	8
Overview & Scope of Works .....	9
Containment systems .....	9
Fire Alarm.....	9
Cable .....	9
Power Systems.....	10
Facilities Panels .....	11
Lighting.....	13
Lighting Bars.....	15
Audio .....	16
AV Rack .....	16
How to Apply.....	18
Assessment Process .....	19
Shortlisting and Appointment.....	20
Appointment Timeline .....	20
Questions and Comments.....	20
Further Information .....	20
APPENDICES .....	21

## The Opportunity

Kala Sangam / Bradford Arts Centre (‘The Client’) is seeking a Specialist Sub-Contractor experienced in the design, supply and installation of theatre truss and rigging, sound, lighting and audio-visual systems, to deliver a fit-out of the company’s new studio theatre space. This fit-out forms part of a major redevelopment of the organisation’s Grade II arts centre, St Peter’s House.

Work began on site in April 2024, with [Simpson \(York\) Ltd](#) appointed as Main Contractor following the culmination of a Two Stage tender.

This technical fit-out tender sits outside of the Main Contract, and will be appointed directly by The Client. The successful operator will be expected to work with Simpson to agree access to the site at a suitable time/s and to deliver the fit out within their Project Timetable. We anticipate the fit out will need to be delivered between June and August 2025.

<b>Fee</b>	See further details within this tender, but proposals are sought to a <b>maximum budget of £155,000</b> (excl. VAT, incl. all staffing costs, travel and expenses).
<b>Deadline</b>	See the <b>How to Apply</b> section. Proposals should be submitted to Kala Sangam’s Creative Director, Alex Croft, via <a href="mailto:alex@kalsangam.org">alex@kalsangam.org</a> by <b>5pm on Friday 28 March 2025</b> .

## Kala Sangam / Bradford Arts Centre

Kala Sangam / Bradford Arts Centre is an intercultural Arts Centre based in Bradford (UK City of Culture 2025) which reflects the diversity of contemporary Britain through the theatre, dance and music performances the company presents, the artists it supports and the communities it engages. Situated in one of the most deprived wards in the city, 80% of the population local to the Arts Centre are least engaged with arts and culture.

Audiences and participants at Kala Sangam / Bradford Arts Centre are some of the most diverse in the country – in 2022/23, 37% of the audience were non-white British (compared to an average of 15% nationally) with 22% of South Asian heritage. In 2022/23 over 80% of the performances presented by the company featured South Asian artists or artforms. Every year the organisation enriches the lives of more than 25,000 people as audience members for performances, visitors and through schools and outreach delivery.

Each season, the company presents a programme of diverse performances that reflect Bradford’s multicultural communities. To ensure relevance, all work must reflect at least one of the company’s [Programming Strands](#). Regular performances include heritage South Asian artforms such as Bharatanatyam and Qawwali; poetry readings in non-English languages; LGBTQ+ focussed work; and family theatre with specific relevance to Muslim audiences.

The organisation was founded in 1993 by Drs Shripati and Geetha Upadhyaya. Having first set up in Leeds, before moving to the Carlisle Business Centre in Bradford, with the support of Arts Council England, Kala Sangam purchased, and relocated to, the Grade II listed St Peter’s House in 2007.

In November 2017, Kala Sangam implemented a new strategic direction which, whilst retaining strong support for Indian classical performance, embraced wider South Asian artforms and placed Bradford district and its diverse communities front and centre – a plan to become a truly intercultural hub for arts in the city. Following a comprehensive public consultation, in July 2025 the company will change its name to Bradford Arts Centre.

## St Peter's House

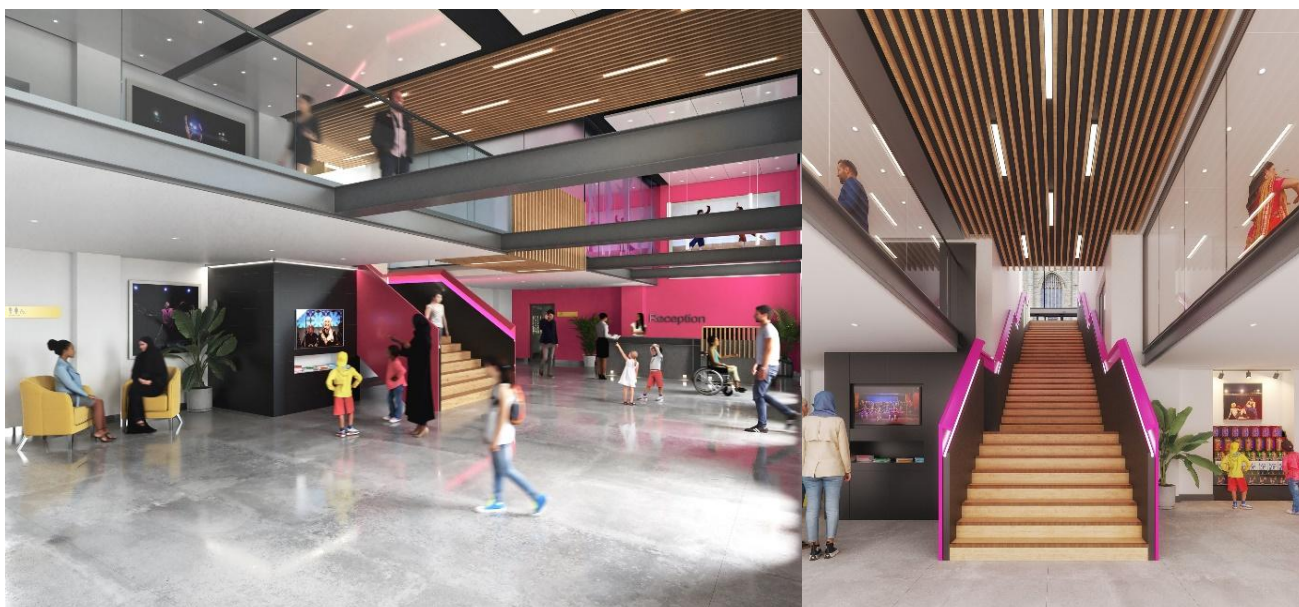
Built in 1886, for over 70 years St Peter's House served the district as Bradford's General Post Office. The building was designed by Sir Henry Tanner and built by J and W Beanland of Bradford, known for constructing a range of notable Victorian buildings, including Salts Mill and Bradford Wool Exchange.

In the second half of the 20<sup>th</sup> Century, this landmark building slowly fell out of public use. For a time, it acted as the Bradford Headquarters of General Accident and Emergency, before being purchased by Bradford Cathedral in the 1990s to create the short-lived Life Force faith museum.

Kala Sangam began operating the upper floors of the building as an arts centre from 2008. However, by 2018 – thanks to increased usage and audience numbers – the company had outgrown the space it occupied within the building.

Aligned with the company's organisational development and coinciding with Bradford's year as UK City of Culture, in 2023 Kala Sangam secured over £7 million pounds to deliver a major redevelopment of the building (see next section for details).

## The Capital Project



As Bradford welcomes the world to the district as UK City of Culture in 2025, Kala Sangam is delivering a transformational project to become Bradford Arts Centre.

The company has raised over £7million to support the large-scale redevelopment of St Peter's House, removing significant physical barriers and opening access throughout the building for the first time in its history. Funding has been secured from the DCMS Arts Council-administered Cultural Development Fund, the National Lottery Heritage Fund, Garfield Weston Foundation and Bradford Metropolitan District Council.

### Works comprise remodelling and refurbishment as follows:

- Repatriating the entire ground floor of the building within the redeveloped arts centre.
- Formation of a new, circa 200-seat theatre space on the ground floor.
- Creation of a welcoming and spacious entrance foyer on the ground floor, with direct access from the street through a new entrance, to a modern reception / box office area.
- Internal structural alterations, including formation of a new grand central stair from the new entrance foyer to the first floor.

- Provision of new multi-use spaces with potential for hosting meetings etc.
- Provision of new rehearsal / dance studio spaces, including new layout for the existing studio theatre.
- Lift replacements x2 (passenger and goods).
- Partial roof replacement.
- Creation of a new tenant area to accommodate BCB Community Radio on the ground floor, with separate and controlled out of hours access.

## Programme & Main Contractor

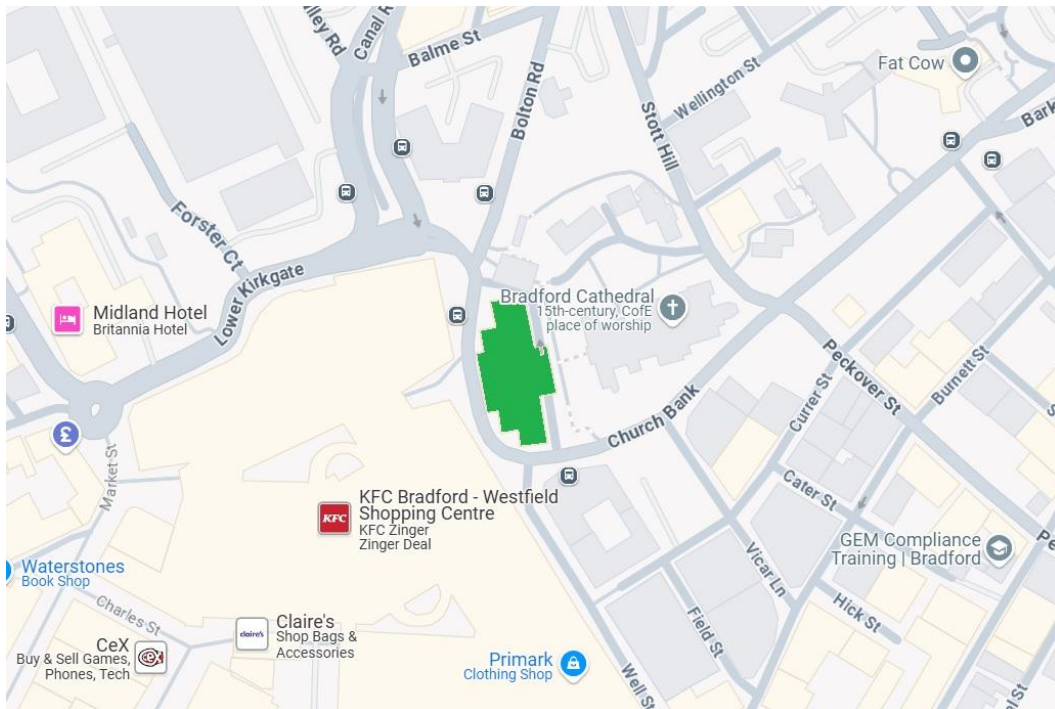
Works began on site in April 2024 and are expected to last until August 2025. We anticipate the theatre space will be ready for fit out from June 2025 (exact installation dates to be agreed in advance with the Main Contractor) with completion of the fit out no later than 27<sup>th</sup> August 2025. After completion of a traditional Two Stage tender process, [Simpson \(York\) Ltd](#) was appointed as Main Contractor in March 2024.

## Design Team / Consultants

Kala Sangam has appointed the following external consultants which the successful operator will be expected to work with to agree and confirm final design and specifications.

External Consultant	Role
<a href="#">Halliday Clark</a> , Ilkley	Architects, Principal Designer and Contract Administrator
BWB Consulting, Leeds	Mechanical and Electrical Engineers
SGM, Leeds	Civil and Structural Engineers
DKP Consulting, Harrogate	Quantity Surveyors

## Site



The site is St Peter's House, 1 Forster Square, Bradford, BD1 4TY. Kala Sangam, along with all tenants, vacated the building at the start of works. The entire building was handed over to the Main Contractor in April 2024 and will remain in their possession until the completion of the project in August 2025, including all external access routes and external boundaries.

The city centre location of the building requires careful consideration of the coordination of site logistics and sequencing of the construction works, so the chosen fit-out contractor will be expected to work closely with the Main Contractor to:

- Deliver the fit-out to align with the main programme of works.
- Understand how materials can arrive and be unloaded on site
- Agree ways to move materials around the site, including the use of cranes, hoists and other mechanical equipment if required
- Understand and signpost to staff the location of welfare facilities
- Comply with site Security and Health and Safety management
- Implement measures to minimise issues with neighbours

## Design

The Specialist Sub-Contractor (SSC) will be provided with drawings of the theatre space - these include plans, sections, reflected ceiling plans and theatre AV and lighting drawings. The latest versions of these documents have been included in the appendix of this Tender. Following appointment, the SSC will be expected to bring any queries that are not resolved through these drawings to the architect for resolution.

The ceiling of the proposed theatre space is unsuitable for mounting any goods. Designs for the exclusive utilisation of the walls for all goods have been produced; these will be shared with the SSC.

The layout and arrangement of the items specified within the 'Kala Sangam New Theatre Technical Specification' is the design responsibility of the SSC, as well as any ancillary and accessory items not included here. All items included in the fit-out of the theatre should be black where possible.

Once appointed, any recommended quality/VE changes from the SSC are encouraged.

Kala Sangam has secured Planning Permission and Listed Building Consent for the overall designs.

## Desired Experience

The theatre fit-out Specialist Sub-Contractor (SSC) will be an organisation (or an individual with evident support structures in place to be able to deliver a project of this scale) with significant experience in fitting out theatres and other arts and cultural spaces with both technical equipment and the structural frameworks to support this equipment. Experience of working within a heritage/listed building context would also be advantageous.

The successful SSC will have up-to-date knowledge of theatrical equipment and will present options for equipment that ensure both best value for money for The Client and the least environmental impact. They should have established supply chains to be confident that the recommended equipment can be purchased and installed within the designated timeframe.

The SSC should have previous experience of working with wider design teams and collaborating with others to achieve successful outcomes.

# SPECIFICATION of SERVICES REQUIRED

## Specification of Services Required - Preface

The following terms have been used within this specification:

<b>SSC</b>	Specialist Sub-Contractor – appointed company carrying out the specified works
<b>SE</b>	Structural Engineer
<b>M&amp;EC</b>	Mechanical & Electrical Contractor
<b>Consultant</b>	Technical Stage Services
<b>Main Contractor</b>	Simpson York Ltd
<b>Client</b>	Kala Sangam / Bradford Arts Centre
<b>Site</b>	1 Forster Square, Bradford, BD1 4TY

Throughout the specification, where possible and appropriate, exact equipment model and manufacturer is specified. These are provided as an indicator of the functionality and quality required. It is the SSC’s responsibility to comply with those manufacturers and models that meet the requirements of the specification as a minimum. Applicants may suggest alternate models and manufacturers on an equal or approved basis.

The SSC will be responsible for selection of equipment, and ancillary items (e.g. interconnects and interfaces) that result in a fully functional, specification-compliant set of systems that correctly interface with each other.

The client retains the right to refuse any items of proposed equipment on grounds such as non-compliance, non-compatibility with existing systems, quality or cost.

Where known at the time of writing, builders work requirements are outlined in this document; it is the responsibility of the SSC to confirm these requirements within 14 days of appointment.

Power supplies to all equipment shall be provided by the M&EC terminated by M&EC where sockets, and by the SSC where terminated inside equipment, such as internally-wired lighting bars. It is the responsibility of the SSC to ensure all power supplies are adequate for their needs. Confirmation of this information is to be within 14 days of appointment.

The SSC shall allow for liaison with the M&EC to ensure that containment systems of the correct type and capacity are installed.

The SSC shall allow for liaison with the Main Contractor in respect of their programmes and use of facilities.

The SSC shall be responsible for checking all layouts, schematics, cable types, site dimensions and dimensions of all equipment to be manufactured.

The SSC shall produce drawings of all connection boxes, facility panels, equipment, and rack layouts for approval of layout and labelling by the Consultant prior to manufacture. Any equipment supplied not approved by the Consultant may be required to be changed at the cost of the SSC.

The SSC shall include for all items necessary to provide complete working systems, irrespective of whether they are specifically detailed in this document. Additional costs shall not be considered at a later date once the successful tenderer has been appointed due to a lack of information. This specifically includes items such as equipment interconnect cables, software, interfaces, patch cables and other ‘soft’ items required to provide a full, complete and working system.

It shall be assumed that unless otherwise clearly stated, Tenderers have fully complied with the Specification. Any items that do not comply with the Specification must be identified in a separate Compliance Matrix to be submitted as part of the Tender.

The Contractor shall make provision in their Tender for all site attendances required for the completion of the Works on site. Any site attendances which are not included for by the SSC shall be clearly identified and submitted as part of the Tender.

All equipment and materials supplied shall be new and approved by the Consultant unless otherwise stated and agreed with the Consultant. All material items specified by the SSC must be clearly identified in the bid.

The Consultant shall have the right to reject any equipment or materials they deem to be unfit and to have any works taken down, removed or undone shall they be considered that they are not executed in a workmanlike manner or using improper materials.

All equipment and materials shall be suitably protected prior to delivery to site. Any items damaged in transit shall be replaced without charge.

The SSC shall include for all costs of shipping equipment and materials to site and shall make appropriate arrangements for their acceptance, handling, protection and storage. The SSC will provide a full waste management plan to ensure that waste is removed and disposed of with minimal environmental impact. This SSC agrees to provide this information to Sustainable Arts in Leeds (SAIL) to feed into overall environmental impact reporting for the capital redevelopment.

It is the responsibility of the SSC to make a complete check of all systems prior to commissioning; this shall include continuity and polarity tests for all audio visual, sound, data and communication outlets. All testing to be completed by the M&EC and must be completed by a suitably qualified technician and all results recorded on an electrical installation certificate. The final results of all tests shall be recorded on test sheets, copies of which shall be submitted to the Client and included in O&M Manuals.

Upon completion of the testing by the SSC, witness testing by the Consultant shall take place, any faults arising shall then be rectified within an agreed time scale and then subjected to re-testing.

## Responsibility Matrix

Item	SSC	M&EC	MC
Final Detailed System Design	√		
Definition of Electrical Containment requirements for specialist installation	√		
Supply and Installation of Electrical Containment		√	
Supply of Facilities Panel Backboxes	√		
Fixing of Facilities Panel Backboxes and connection to containment systems		√	
Supply and Installation Mains Cabling (i.e. to/from lighting bars and socket boxes)		√	
Power Supplies		√	
13A small power sockets		√	
Supply of all Video, Audio and Data cables associated with this package of works	√		
Installation into containment of all AV and Data cables associated with this package	√		
Fixing to walls/structure of equipment racks etc.	√		
Termination of all cables included with this package	√		
Supply and Termination of stage lighting Power Distribution Boards and accessories		√	
Termination of Audio, Video and Data connectors at Facilities Panels	√		
Termination of Patch Panels and rack-mounted equipment	√		
Distribution, installation and fitting of all equipment outlined in this specification	√		
System Programming and Commissioning	√		
Production of O&M manual specific to the works within this specification	√		
Testing and Commissioning	√		
End-User Training	√		



## Overview & Scope of Works

---

### Containment systems

Primary containment routes may be shared with other services of a similar type. Secondary containment links to the individual equipment locations should be dedicated to the systems described in this document.

Containment is to be supplied and installed by the M&EC however it is the responsibility of the SSC to agree the correct containment route and sizing and to liaise with the M&EC to ensure all requirements are met.

All cable and containment systems must fully meet the requirements of the IEE 18th edition electrical installation regulations (BS7671). There must be adequate separation between containment containing band 1 and band 2 circuits to avoid cross-interference. Where possible, containment of different types should not run parallel, and should cross at right-angles. Care must be taken to ensure co-ordination compatibility with other M&E services.

As a guide, containment will be required for the following:

- Power and data to each lighting bar on each truss.
- Power and data to each vertical lighting bar.
- Data to each facilities panel. (From here referred to as FP)
- Power to 13A sockets adjacent to FP's.
- Data between control desk position and equipment rack in the control room.
- Data and isolatable power to control room monitor speakers.
- Data and isolatable power to show relay camera position.
- Isolatable power to stage blues in control room, dressing rooms, and crossover. (3 circuits)
- Power and data to camera perch.
- Power to stage blue lights.
- Power to equipment rack in control room.

---

### Fire Alarm

An interface to mute the audio system within the studio will be required. The interface is to be supplied and fitted by the SSC with connection to the fire alarm system provided by the M&EC in the form of a contact opening/closing in the event of alarm activation. This interface will be a Formula Sound Guardian CX4, and the fire alarm cable will be presented in the equipment rack in the control room.

---

### Cable

The SSC will allow for all cable required to complete the AV system. All ELV and LV cabling will be installed in the respective dedicated containment systems and cable types must be suitable for the application.

Consideration for the use of LSZH cables should be made by the SSC.

All cables shall carry a permanent cable marker at each end with a unique cable ID and/or reference number.

A cable schedule detailing the proposed numbering system should be submitted for approval to the Consultant prior to termination on site.

The SSC shall ensure that sufficient length is left at each end of each cable for termination and future re-termination.

All cables are to be terminated in accordance with industry and electrical standards. The Client shall have the right to inspect terminations prior to them being sealed.

On completion all circuits shall be tested for continuity, polarity and function and any inconsistencies resolved on site immediately.

Detailed itemised test results shall be presented upon completion and included in the O&M Manual.

All cables should be adequately rated for their intended use and cable run length. The SSC in conjunction with the M&EC will be responsible for final cable selection to ensure this.

DMX cables should be specifically designed for DMX512 use and comply with the appropriate USITT standards.

All equipment installed in the control room rack which has a network port should be brought into the RJ45 patch panel supplied by the SSC. Ethernet cables should comply with Cat6A specifications and be shielded i.e. S/FTP or F/FTP. Ethernet patch should be rated for Cat6A.

---

## Power Systems

The M&EC will provide and install power supplies for the following:

- 5x lighting bars on trusses – RCD protected 20A each.
- 6x vertical lighting bars – RCD protected 10A each.
  - Power circuits for ALL lighting circuits should be able to be isolated from grid switches in the control room.
- 2x control room monitor speakers at high level – 1x single 13A socket each. This circuit should be able to be isolated from the same grid switch unit as the lighting circuits.
- Stage blues in the crossover, dressing rooms, and control room. (Requirements to be confirmed by the SSC) These should be dimmable and locally isolated with one circuit per area- 3 circuits total.
- 1x 32A1PNE socket at each side of stage at low level.

M&EC to provide all outgoing protection appropriate to the application as required, particularly type C breakers due to the in-rush current of LED lighting fixtures.

A quantity of regular 13A power outlets are to be provided by the M&EC for general power around the perimeter of the theatre stage area, and 6off double sockets to be provided above desk level in the control room, evenly spaced in 3 compartment dado trunking, 3off 16A single phase supply commando sockets with local isolators for the technical rack located in the control room, and 1off double 13A socket next to each FP. The SSC is responsible for all power distribution from these points.

---

## Facilities Panels

The SSC should make allowance and provision for the supply of the facility panels required as described throughout this Specification and create a suitable Facility Panel Schedule to be agreed by the Client. As site conditions develop the SSC should allow sufficient time to visit site and determine the feasibility of mounting type of each panel. Where facility panels are flush-fitted, oversized faceplates shall be used. Trim-plates will be deemed unacceptable.

Facility panels shall provide connection points throughout the theatre as final terminations for the installed production lighting, sound and AV infrastructure, with the opposing ends being terminated in the control room rack via patch panels.

Each facility panel is to carry a unique ID/reference number that when used in conjunction with plan drawings provides information on the location of the panel.

All outlets shall be correctly segregated from the mains services.

All custom-sized facility panel back boxes shall have all sharp edges removed and shall be manufactured from 1.6mm thick mild steel and shall be 125mm deep. Standard (single-gang and double-gang) plates shall be manufactured from black-plate stock to match the hardware supplied by the M&EC and shall be fitted in 50mm deep back-boxes. It is the responsibility of the SSC to co-ordinate this item.

Any surface-mounted back boxes shall be finished in a colour to match the finish of the faceplate.

Facility panels shall be installed to the specific locations indicated on the general arrangement drawings. Facility panels 1, 2, and 3 should be mounted with the bottom at 450mm above finished floor level.

The facility panels shall be complete with internal segregation to separate power (LV) from data (ELV) cabling wherever required.

Each facility panel faceplate shall be fabricated from 2mm thick mild steel plate.

Labelling is to be achieved using black Traffolite engraved labels with highly contrasting paint-filled text in a clear font, minimum 14-point text size, bold font, fixed to the facility panel using plastic rivets or screws and nuts.

Faceplates shall be fabricated and provide a professional finished appearance. All faceplate outlet connectors shall be grouped by facility type and shall be clearly labelled. Facilities shall be clearly labelled using a Traffolite label with the facility ID as indicated.

All faceplates shall be clearly labelled with a Traffolite label at the top with the outlet box number. Facility panel faceplates shall be fixed to the panel back box by means of M4 black countersunk screws.

Mounting holes shall be countersunk to accommodate CSK screws. Screw colours shall be black for black panels or natural finish for other coloured panels.

All flush mounted connectors shall be securely fitted with black screws, nuts, and locking washers or nyloc nuts.

Termination shall be by solder bucket or approved crimp tool only and where crimped termination is used, the crimp, die and insert shall be suitable for use together.

Where XLR connectors are used, these shall conform to the "universal" or "D" shell type and mounting holes and mounted from the rear.

Soldering of solid core cables directly to XLR type connectors is deemed unacceptable, e.g. Cat5e.

Where Ethernet or Data outlets are specified, these shall be of an "Ethercon" type connector comprising an RJ45 connection within a rugged XLR "D" shell style housing.

All "D" Shell style housing should be Neutrik branded where possible.

**The facilities panels shall be as follows:**

Name	Connections	Location
FP1	<ul style="list-style-type: none"> <li>• 2 No. CAT6A socket outlets terminated to data patch in control room rack</li> <li>• 2 No. XLR-3-M terminated to patch panel in control room rack</li> <li>• 2 No. XLR-3-F terminated to patch panel in control room rack</li> <li>• 1 No. XLR-M-5 DMX input terminated to patch panel in control room rack</li> <li>• 1 No. XLR-F-5 DMX output terminated to patch panel in control room rack</li> <li>• (Nearby 1x double 13A socket installed separately by M&amp;EC)</li> </ul>	Stage left
FP2	<ul style="list-style-type: none"> <li>• 2 No. CAT6A socket outlets terminated to data patch in control room rack</li> <li>• 2 No. XLR-3-M terminated to patch panel in control room rack</li> <li>• 2 No. XLR-3-F terminated to patch panel in control room rack</li> <li>• 1 No. XLR-M-5 DMX input terminated to patch panel in control room rack</li> <li>• 1 No. XLR-F-5 DMX output terminated to patch panel in control room rack</li> <li>• (Nearby 1x double 13A socket installed separately by M&amp;EC)</li> </ul>	Stage right
FP3	<ul style="list-style-type: none"> <li>• 2 No. CAT6A socket outlets terminated to data patch in control room rack</li> <li>• 2 No. XLR-3-M terminated to patch panel in control room rack</li> <li>• (Nearby 1x double 13A socket installed separately by M&amp;EC)</li> </ul>	Camera perch position
FP4	<ul style="list-style-type: none"> <li>• 4 No. CAT6A socket outlets terminated to data patch in control room rack</li> <li>• 2 No. XLR-5-M terminated to DMX patch in control room rack</li> </ul>	Above desk level behind control desks
FP5	<ul style="list-style-type: none"> <li>• 1 No. XLR-3-M terminated to patch panel in control room rack</li> <li>• (Nearby 1x single 13A socket installed separately by M&amp;EC)</li> </ul>	Control room monitor speaker - Left
FP6	<ul style="list-style-type: none"> <li>• 1 No. XLR-3-M terminated to patch panel in control room rack</li> <li>• (Nearby 1x single 13A socket installed separately by M&amp;EC)</li> </ul>	Control room monitor speaker - Right

## Lighting

### House lighting

- The SSC should allow for a DMX to DALI converter for house light takeover control with the theatre lighting desk. Assume the control cable will be presented in the control room equipment rack.

### Stage Lighting Fixtures

- The SSC should supply and fit the following lighting fixtures:
  - 6x Chauvet Ovation E-910FC
  - 6x Chauvet Ovation OHDZOOM2550 lens
  - 8x Chauvet Ovation Cyc-1FC
  - 12x Chauvet Ovation F-415FC (with barn doors)
  - 8x Chauvet Colordash par H7X
  - 4x Chauvet Rogue R1X moving head wash
  - 4x Chauvet Rogue R1E moving head spot

Fixtures to be supplied with:

- Self-locking easy clamps
- Safety Bond with appropriate WLL
- Barndoors/Shutters as appropriate
- Fitted with Neutrik powercon True1 plug.
- DMX cable

### Lighting Control

- 1x ETC Ion Xe 20 with 2x multitouch PC monitors – min. 23"
- 2x Chauvet RDMX splitter 8

### Trusses

The SSC will supply and install 5x trusses. Approximate locations shown in AV Layout drawing.

- 5x 11.5m Milos M290 HD Quattro.
- 2 of the trusses will have a 3m span of truss between them for mounting speakers, connected with box corners or 3-way 'T' sections.
- These will be suspended from walls using Milos M290 wall brackets.
- All truss elements and wall brackets to be powder coated black, excluding connector elements.
- Wall brackets will be fixed using all available mounting holes, grade 8.8 M10 threaded rod, and chemical anchor- exact specification to be from structural consultant.
- The SSC should confirm their own measurements.
- Each bracket has been rated for 250kg WLL by the structural consultant, due to construction of the walls.

## Drapes and Track

### *House Tabs*

- Triple E ERail overlap track operated by floor mounted hand winch. Overall size 11.7mtr long. Including all necessary joint bolt sets, ends stops, ball raced carriers etc. Mounted to truss.
- 2X Black Wool Serge DFR Durable Flame Retardancy – approx. 6m wide X 4 m high - Tab hooks - Chains 50% Fullness
- Border drape: 1x Black Wool Serge DFR Durable Flame Retardancy – approx.11.7m wide X 0.5 m high - Ties - Pockets 50% Fullness

### *Border Drapes*

- 4x Black Wool Serge DFR Durable Flame Retardancy – approx. 11.7m wide X 0.6 m high - Ties - Pockets 30% Fullness
- The SSC should allow for a hanging method where the border drapes do not interfere with house tabs or cyclorama.

### *Cyclorama*

- Triple E 2way wipe track with walkalong operation. Overall size 10mtr long. Including all necessary joint bolt sets, ends stops, ball raced carriers etc. Mounted to lower-rear chord of the upstage truss.
- 1x Black Wool Serge DFR Durable Flame Retardancy – approx. 10m wide X 4 m high - Tab hooks – Chain pockets. 30% Fullness.

### *Leg Drapes*

- These are designed to be positioned as desired along a track.
- 2x Triple E unibeam wipe track. 7m long. Including all necessary joint bolt sets, and end stops. These should be mounted to Unistrut P1000T slotted channel attached to the top of the truss using u-brackets or half couplers, with the top of the track being flush with the underside of the trusses.
- 6x Triple E scenery carrier - Braked
- 6x Triple E swivel arms (including 2m x 25mm tube.)
- 6x Black Wool Serge DFR Durable Flame Retardancy – approx. 2m wide X 4 m high - Ties - Chains 30% Fullness

---

## Lighting Bars

### Internally wired lighting bars (IWB's)

All connectors should be housed in a black smart socket assembly. All tube and end boxes should be powder coated black.

### IWB's on trusses

- 5x IWB's constructed from 48mm alu. scaffold tube and to be suspended from trusses with 6 full couplers. Each IWB to be 10m long and to include:
  - 10x Neutrik powercon true1 sockets, spaced evenly
  - 1x XLR-5 DMX output connector
  - 1x Neutrik ethercon connector
  - 1x end box with din rail termination

### Vertical IWB's on-stage

- 6x IWB's constructed from 48mm alu. scaffold tube to be wall mounted vertically using 300mm standoff brackets, three on each side of the stage, spaced as evenly as possible. Each to be 3m long and to include:
  - 3x Neutrik powercon true1 sockets, spaced evenly.
  - 1x XLR-5 DMX output connector.
  - 1x end box with din rail termination.
  - Each IWB to be fixed using 3x Doughty T33300 brackets, powder coated in black. M&E contractor will install 18mm plywood pattresses for these, due to hollow wall construction.

DMX sockets to be brought back to DMX patch in the control room rack and connected to Chauvet DMX splitter/opto-isolator. The opto-isolator must have sufficient available ways for all DMX outlets to be permanently connected.

A provision for patch leads must be made for by the SSC to allow the system to be fully operational with a minimum of 2 spare patch leads per type available.

Each IWB will be labelled with the appropriate warnings and identification including loading both mechanically and electrically.

---

## Audio

### Main PA System

- 2x KV2 Audio ESR212 full range 3-way loudspeaker
  - These to be flown using KV2 flying frames from the truss.
- 2x KV2 Audio ESR212 vertical bracket
- 1x KV2 Audio ESR2800D three-way, active control and amplification system specially designed for the KV2 Audio ESR full range series loudspeaker systems.
- 4x KV2 Cable MH120- 6 wire speaker cable - AP6 connectors - 12m (40ft) length – SSC to confirm exact cable length once containment route agreed.

### Control

- 1x Allen & Heath SQ5 16+1 Fader, 48 channel / 36 bus 96kHz digital mixer
- 2x Allen & Heath AB168 16 in / 8 out, remote portable expander, 48kHz. One to be installed in the control room rack for connection to patch bays, one to be left available for use on the stage.
- The expander port and S Link port from the AB168 installed in the rack should be brought into the RJ45 patch bay in the rack.

### Control Room Monitor Speakers

- 2x KV2 EX6 2-way speakers on wall brackets

### Stage Monitor speakers

- 3x FBT X-Pro 112MA active stage monitor speaker
- 3x 10m XLR cable
- 3x 13A 10m extension cables

---

## AV Rack

Any single item of installed equipment that exceeds 5kg in weight should have a mechanical support rail fitted within the equipment rack to allow the item to be installed and removed easily.

Where un-used spaces are allocated in equipment racks either blank panels, venting panels, brush panels, or drawers/shelves should be used, as appropriate.

1x wheeled 19" Equipment Rack located in the control room and supplied with the following:

- 1 No. Rack light installed
- 1 No. power distribution for housed equipment as appropriate
- Lockable door
- 3x 16A commando sockets will be provided.

The rack will need to be sized to house the above equipment in addition to the various patch panels, DMX distribution and audio amplifiers. Provision should also be made for future expansion by leaving minimum 8U blanked off.



**Assistive Listening**

- 1x Listen Technologies ListenWIFI 2 channel Wi-Fi audio server without dante.
- This should be fed from the audio desk via the AB168 in the equipment rack.
- Ethernet cable to venue network and Wi-Fi will be provided in the rack. SSC to terminate into patch.
- Allow for 1x min. 12-way rack-mount gigabit network switch with PoE for connecting additional devices to the network.

**Crew Comms.**

- 1x Eartec UltraLITE HD Single Master Headset
- 3x Eartec UltraLITE HD Single Remote Headset
- 4x Eartec Lithium 3.7 Volt 3.0Wh Re-Chargable Battery
- 1x Eartec Multi Battery 10-port Charging Base
- 1x Eartec Small Soft Padded Case
- 1x Eartec 12V 1.5A UK Charger Adapter

**Additional notes**

- Allow for locally switched and dimmed 'stage blues' in control room, dressing rooms, and crossover. Power supply and switches by M&EC. Designed by SSC. Assume SSC to supply and fit 8 dimmable fixtures.
- Allow for setting to work of all items, including connecting cables.
- Allow for 1 full day training on all systems installed by the SSC.
- Minimum warranty on all items, including installation, of 12 months. Any extended warranties requiring registration should be identified to the end user by the SSC.
- Production of O&M manual, which should be issued within 14 days of completion. This should include, but not limited to: basic operation, DMX addresses of lighting fixtures, IP addresses of equipment where applicable, cable schedule, as-built drawings, system schematics (block diagrams) equipment manuals, servicing schedule, and Troubleshooting guide.
- Information: The M&E contractor will be installing several slotted channel spans (powder coated black) on top of the lighting trusses to allow suspension of house lights.

## How to Apply

Kala Sangam is committed to electronic recruitment and tendering processes. Therefore, you should only send the information specifically requested and only by electronic submission (hard copy and additional information will not be considered).

Applications are invited from suitably qualified individuals or companies.

Applicants should provide an electronic document not exceeding 5 pages (minimum font size 11pt).

### The document should address the following:

- A summary of your experience and credentials. For organisations considering a team approach to delivery, applicants should provide specific information for all staff who will be assigned to handling the account and the key contact(s) who will work with The Client.
- How your experience meets the specification and the brief, including details of specific, relevant experience of comparative projects undertaken in the last five years (for example, specific details of technical fit-outs of similar scale, complexity and in similar venues and/or Listed heritage buildings).
- Demonstrate a clear understanding of the brief and the wider context within which the project sits in Bradford; including the reason you are interested in working with Kala Sangam / Bradford Arts Centre and your fit to this project. Please provide bullet points outlining the key risks you have identified associated with this project and what actions you will take to mitigate and manage the risks presented.
- Fee proposal up to the value of £155,000 including all related costs but excluding VAT – this should include a detailed breakdown of all items listed in the Specification of Services Required, including staff costs to successfully manage and deliver the work.
- Details of two referees from other clients for whom you have delivered comparable work.
- Readiness and availability to commence, maintain and complete work on the project to the anticipated schedule. Please provide an outline programme setting out how you will deliver this project on time.

### In addition:

- The Application should confirm that all applicant staff are not bankrupt, the subject of an administration order, are not being wound up, are not the subject of a petition presented for the sequestration of their estate, have not had a receiver, manager, or administrator appointed and are not otherwise apparently insolvent.
- The Application should confirm that no person engaged will have been convicted of conspiracy, corruption, bribery, or money laundering; that they have not been convicted of a criminal offence, committed an act of grave misconduct related to the conduct of their business or profession, and that they have fulfilled obligations relating to the payment of taxes.
- The Application should confirm that appropriate insurances are held.

---

Proposals should be submitted to: **Alex Croft, Creative Director, [alex@kalasangam.org](mailto:alex@kalasangam.org)**

Proposals should be submitted by: **5pm on Friday 28 March 2025**

---

## Assessment Process

Kala Sangam is a Registered Charity and an equal opportunities employer. We aim to treat all job applicants and workers equally, irrespective of race, colour, gender orientation, nationality, religion, ethnic or national origin, age, gender, gender reassignment, marital status, sexual orientation or disability.

This policy covers all aspects of employment including advertising, recruitment, induction, training, conditions of service, disciplinary and grievance procedures and termination of employment. The only basis for promotion or selection is the considered opinion of an applicant’s suitability for the job.

Assessment of Applications will be based on the specific evidence and information provided.

Applications will be assessed on the following basis (criteria and weighting):

- |   |            |
|---|------------|
| 1. <b>Quality of proposal</b> – all instructions followed; clear and well-presented | <b>10%</b> |
| 2. Evident <b>understanding</b> of the specific needs of the project                | <b>20%</b> |
| 3. Proven <b>knowledge, experience and track record</b> of previous relevant work   | <b>30%</b> |
| 4. <b>Value for money</b>   | <b>40%</b> |
| (The lowest priced tender will score 40% with others weighted against this)         |            |

Score	Assessment of Criteria listed above
10	<b>Outstanding:</b> Response covers all elements of the criterion and associated specified contract requirements and standards; and with a high level of relevant and detailed information, backed up with clear evidence; and demonstrates a robust and coherent understanding of the Employer’s requirements; and with no issues, weaknesses or omissions.
9	<b>Excellent:</b> Response covers all elements of the criterion and associated specified contract requirements and standards; and with relevant and detailed information, backed up with clear evidence; but with limited minor issues, weaknesses or omissions in the information/evidence.
8	<b>Very good:</b> Response covers all key elements and almost all the other elements of the criterion and associated specified contract requirements and standards; and with relevant and detailed information, backed up with clear evidence; with a few minor issues, weaknesses, or omissions in the information/evidence.
7	<b>Good:</b> Response covers all key elements and most of the other elements of the criterion and associated specified contract requirements and standards; and with relevant information, backed up with evidence, but lacks detail in some areas; some minor issues, weaknesses, or omissions in some areas of information/evidence.
6	<b>Better than satisfactory:</b> Response addresses all key elements of the criterion and associated specified contract requirements and standards; but is not fully detailed or fully backed up with clear evidence in some areas; several minor and/or one or two more significant issues, weaknesses, or omissions in some areas.
5	<b>Satisfactory:</b> Response addresses all key elements of the criterion and associated specified contract requirements and standards; but is not fully detailed or fully backed up with clear evidence in some areas; with many minor and/or a number of significant weaknesses, issues or omissions in the detail/evidence.
4	<b>Less than satisfactory:</b> Response has some weaknesses, issues or omissions, lacking detail, clarity and/or evidence regarding at least one key element of the criterion and associated specified contract requirements and standards with respect to this criterion.
3	<b>Weak:</b> Response has some weaknesses, issues or omissions, lacking detail, clarity and/or evidence regarding several key elements of the criterion and associated specified contract requirements and standards.
2	<b>Poor:</b> Response has material weaknesses, issues or omissions, lacking detail, clarity and/or evidence regarding many key elements of the criterion and associated specified contract requirements and standards.
1	<b>Very poor:</b> Response does not meet the criterion – or does not include sufficient information or clarity or evidence or information in support – to determine whether the solution meets the Employer’s requirements or standards.
0	<b>Unacceptable:</b> Failed to provide a response, or the response provided is wholly inconsistent with the Employer’s specified contract requirements and standards with respect to this criterion.

## Shortlisting and Appointment

Dependent on the number and quality of applications, The Client reserves the right to appoint the highest scoring applicant without interview. In this case, all Applicants will be notified of the outcome of their application by midday on **Wednesday 2 April 2025**.

Should an interview stage for shortlisted applicants be required, The Client will contact all Applicants to confirm if they have been shortlisted on or before **Friday 4 April 2025**.

Selected candidates will be invited to attend an **in-person interview and site visit to St Peter's House at a date and time agreed between Mon 14 and Wed 16 April 2025**. Due to the interview process including a site visit, it won't be possible to provide the option of an interview on Zoom or Teams.

The successful Applicant must be available to start work on the project immediately following appointment, with install dates to be agreed with the Main Contractor but anticipated to fall between June and August 2025.

## Appointment Timeline

- **28 March 2025** Closing date for tender submissions (5pm)
- **02 or 04 April 25** Notification of outcome of application (see above)
- **14–16 April 2025** Interview period (if required)
- **17 April 2025** Notification of outcome of interview process (if required)
- **30 April 2025** Contract awarded by this date
- **w/c 05 May 2025** Project start meeting

## Questions and Comments

Any questions or comments should be made directly to Alex Croft, Creative Director of Kala Sangam, via email to [alex@kalasangam.org](mailto:alex@kalasangam.org). Your query may be shared anonymously with others. You should not contact any other representative of Kala Sangam or this project – doing so might disqualify your application.

## Further Information

Applicants may wish to familiarise themselves with the following:

- Kala Sangam: <https://www.kalasangam.org>
- Simpson (York) Ltd: <https://www.simpsonyork.co.uk>

---

**We look forward to receiving your application and thank you for your interest in Kala Sangam.**

## **APPENDICES**

Please refer to the following plans:

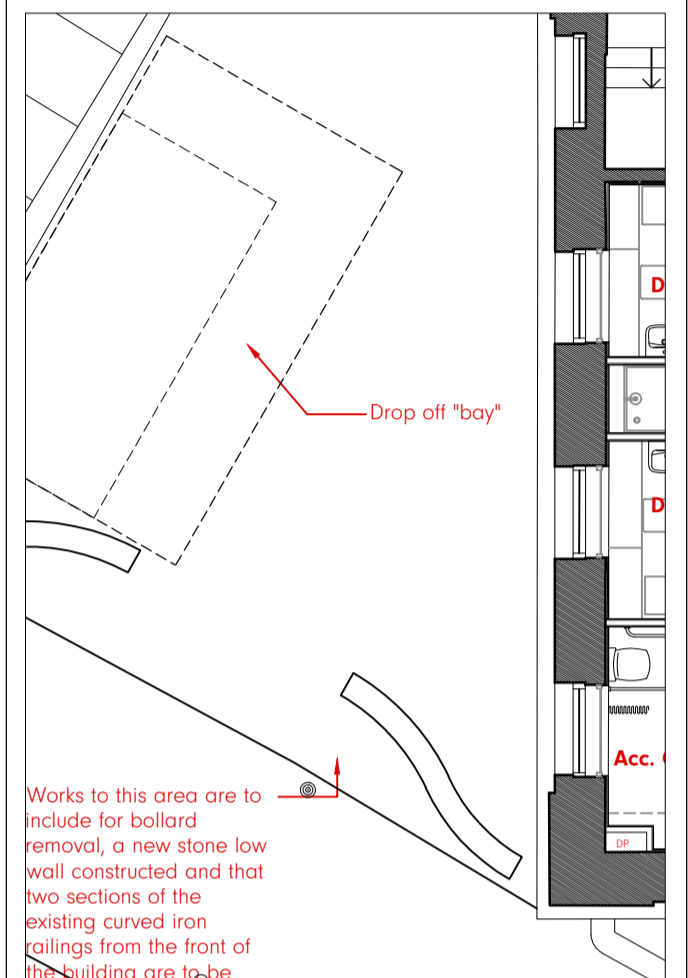
- **Proposed GA Level 0**                      Halliday Clark Architects
- **Proposed GA Level 1**                      Halliday Clark Architects
- **Theatre Sections**                              Halliday Clark Architects
- **AV Layout**                                      Technical Stage Services

The details shown on this drawing are confidential and the drawing is the exclusive property of Halliday Clark Limited. No use, copy or disclosure of the drawing may be made without our permission and it is to be returned to Halliday Clark Limited when required. Halliday Clark Limited take no responsibility for the use of this drawing for any purpose other than that for which it was intended. All dimensions are in millimeters unless stated otherwise. All dimensions should be verified on site prior to commencement of works.  
Do not scale from this drawing. All works must be in accordance with British Standards, EC Standards, Health & Safety at work act & all other relevant regulations & By Laws. Any discrepancies should be brought to the attention of Halliday Clark Limited.

**NOTES**

Drawing based on survey information provided by third party measured surveys. Any discrepancies to be reported to the architect.

Scale 1:100  
0 1000 2000 4000 8000mm



**Extract of North gable 1:100**

O - 06.11.2023	EC	RJW
Notational revisions.		
N - 29.08.2023	EC	RJW
CDM Information added.		
M - 03.07.2023	EC	RJW
BCB tenant area layout amended		
L - 22.06.2023	EC	RJW
BCB tenant area layout revised		
K - 12.06.2023	MH	RJW
GA plans revised & updated with services co-ordination.		
J - 10.05.2023	MH	RJW
Tender issue.		
I - 14.03.2023	MH	RJW
Layouts revised in line with meeting discussions.		
H - 01.02.2023	MH	RJW
Layouts revised in line with client discussions.		
G - 09.01.2023	RJW	
Pergola / illuminated light box omitted. External door to Stair 7 replaced to improve disabled access		
F - 02.11.2022	AW	RJW
Update to ceiling height and bulkhead		
E - 12.10.2021	RJW	
Door swing revisions to AWC's		
D - 30.09.2021	RJW	
Pergola / illuminated light box omitted		
C - 30.09.2021	RJW	
Disabled drop off denoted to the west gable end. Widened boundary wall entry. Fixed seating reduced		
B - 10.09.2021	RJW	
Design development following client feedback and design team meeting		
A - 03.09.2021	RJW	
Design development in accordance with design team meetings		
- 11.08.2021	RJW	
<b>INITIAL ISSUE</b>		
REVISION - DATE	DRWN	CHKD

**FOR CONSTRUCTION**

**Redevelopment of St Peter's House  
1 Forster Ct  
Bradford BD1 4TY**

**FOR  
Kala Sangam**

**Proposed GA Level 0**

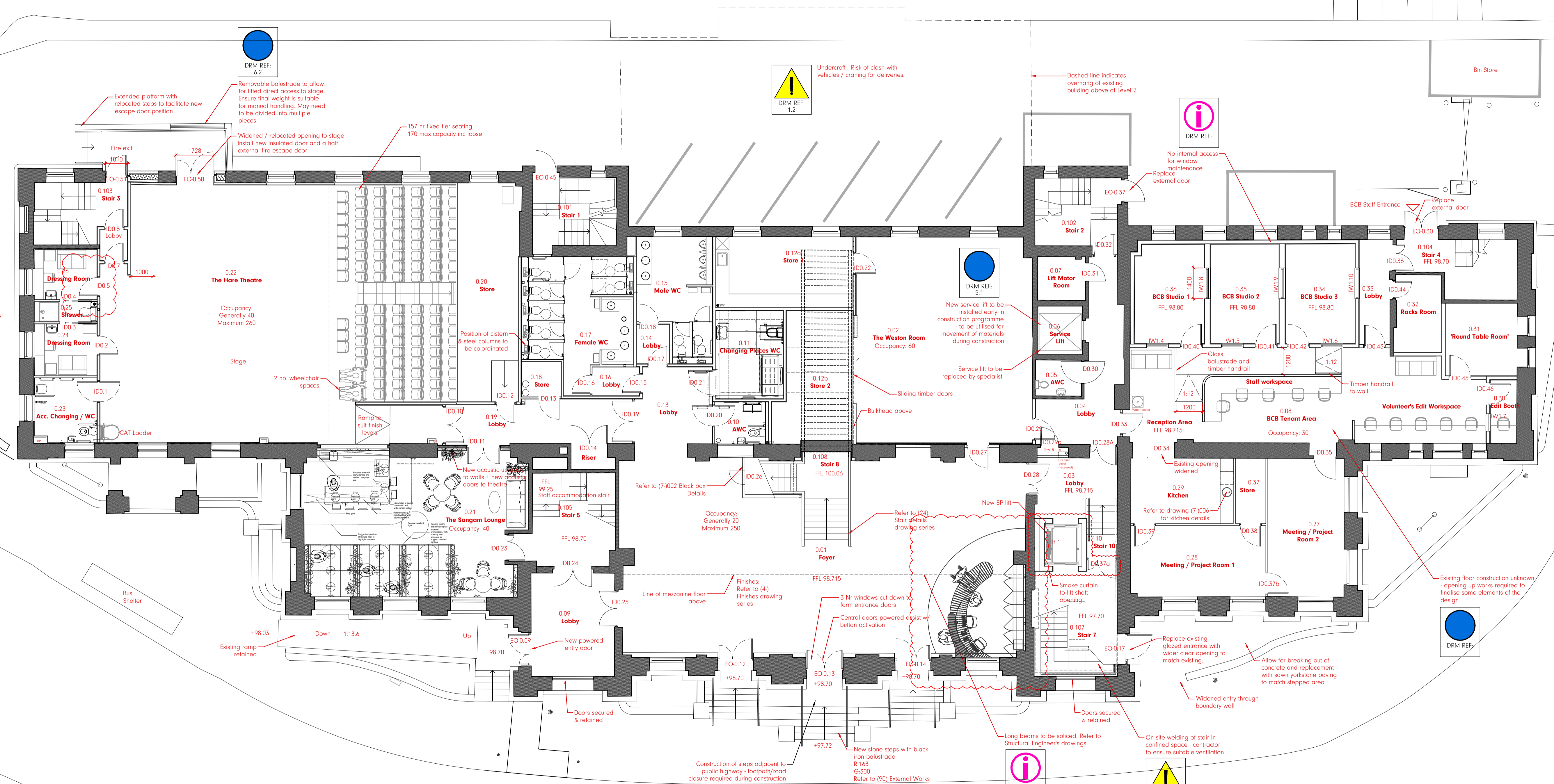
Scale **1:100 @ A1**

**HALLIDAY CLARK  
ARCHITECTS**

Halliday Clark Limited T 01943 604 123  
1 Lower Railway Road E info@hallidayclark.co.uk  
Ilkley LS27 8PL W hallidayclark.co.uk

Dwg. No. **878.01.(-)002**

Rev. **V**



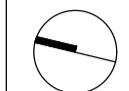
**Proposed GA Level 0  
1:100**

V - 17.12.2024	TD	RJW
Door flipped to enable fire escape. Addition of reception desk area.		
U - 20.11.2024	TD	RJW
Pocket doors in changing rooms flipped. Boxing of pipes in theatre space corrected.		
T - 18.10.2024	TD	RJW
Door 0.37a amended to fit with changes to lift shaft.		
S - 16.07.2024	RJW	
Wall between 0.20 & 0.17 changed to stud wall. Lift shaft setting out 7 dimensions amended in line with Builders Work Details provided by Sheridan Lifts. Names to some rooms amended as per client instruction. Vertical recessed dry riser outlet cabinet added. Existing cast iron column in Female WCs retained & wash basin removed. IDDY omitted. Store layout adj. to Weston room reconfigured		
R - 24.04.2024	EC	RJW
BCB layout amended.		
Q - 25.01.2024	EC	RJW
Minor amendments.		
P - 29.11.2023	EC	RJW
SHS post removed in 0.01 Reception Foyer		

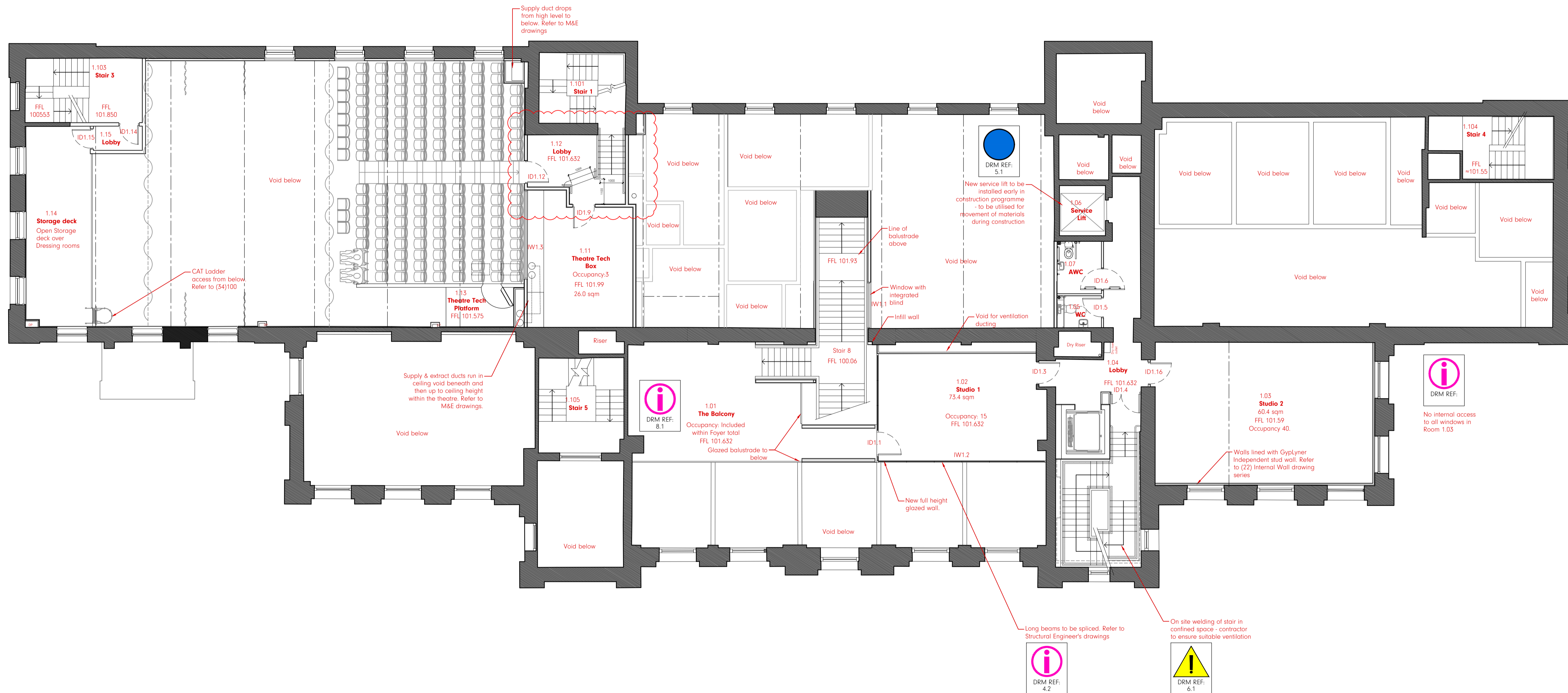
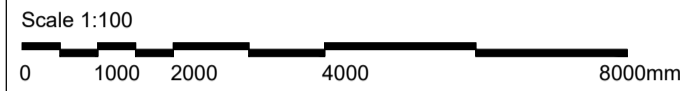
CHURCH BANK

The details shown on this drawing are confidential and the drawing is the exclusive property of Halliday Clark Limited. No use, copy or disclosure of the drawing may be made without our permission and it is to be returned to Halliday Clark Limited when required. Halliday Clark Limited take no responsibility for the use of this drawing for any purpose other than for that which it was intended. All dimensions are in millimeters unless stated otherwise. All dimensions should be verified on site prior to commencement of works. Do not scale from this drawing. All works must be in accordance with British Standards, EC Standards, Health & Safety at work act & all other relevant regulations & Bye Laws. Any discrepancies should be brought to the attention of Halliday Clark Limited.

**NOTES**



Drawing based on survey information provided by third party measured surveys. Any discrepancies to be reported to the architect.



S - 28.01.2025	TD	RJW
Alterations to Stair 1 Fire escape after discovered clash.		
R - 17.12.2024	TD	RJW
Alterations to wall positioning after site visit revealed incorrect survey of stair landing.		
Q - 26.11.2024	TD	RJW
Door, circulation and store removed as part of VE action.		
P - 20.11.2024	TD	RJW
Amendments to layout of circulation space following structural report (in abeyance currently). Inclusion of access gate to platform above vomitorium.		
O - 15.10.2024	TD	RJW
Amended Layout of Tech Room and Relocating of Faith Room		
N - 04.10.2024	TD	RJW
Narrowing of flight adjacent to stair 7 lift. Door 1.4 narrowed accordingly.		
M - 15.07.2024	EC	RJW
Lift shaft setting out / dimensions amended in line with Builders Work Details provided by Sheridan Lites. Names to some rooms amended as per client instruction. Vertical surface mounted dry riser outlet cabinet added.		
L - 24.04.2024	EC	
Construction Issue.		
K - 16.01.2024	EC	RJW
Store added to Faith Room, steps added up to Stair 1 & door omitted to Stair 1 from lobby.		
J - 06.11.2023	EC	RJW
Notational revisions.		
I - 29.08.2023	EC	RJW
CDM information added.		
H - 12.06.2023	MH	RJW
GA plans revised & updated with services co-ordination.		
G - 10.05.2023	MH	RJW
Tender issue.		
F - 14.03.2023	MH	RJW
Layouts revised in line with meeting discussions.		
E - 01.02.2023	MH	RJW
Layouts revised in line with client discussions.		
D - 12.10.2021	RJW	
Door swing revisions to AWC's		
C - 30.09.2021	RJW	
Fixed seating reduced		
B - 10.09.2021	RJW	
Design development following client feedback and design team meeting		
A - 03.09.2021	RJW	
Design development in accordance with design team meetings		
- 11.08.2021	RJW	
<b>INITIAL ISSUE</b>		
REVISION - DATE	DRWN	CHKD

**FOR CONSTRUCTION**

**Redevelopment of St Peter's House  
1 Forster Ct  
Bradford BD1 4TY**

**FOR  
Kala Sangam**

**Proposed GA Level 1  
Mezzanine**  
Scale **1:100 @ A1**

**HALLIDAY CLARK  
ARCHITECTS**

Halliday Clark Limited T 01943 604 123  
1 Lower Railway Road E info@hallidayclark.co.uk  
Ilkley LS29 8FL W hallidayclark.co.uk

**Proposed GA Level 1 (Mezzanine)**

1:100

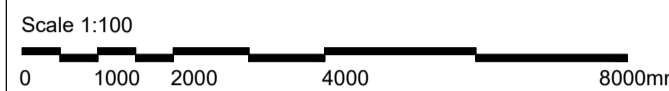




The details shown on this drawing are confidential and the drawing is the exclusive property of Halliday Clark Limited. No use, copy or disclosure of the drawing may be made without our permission and it is to be returned to Halliday Clark Limited when required. Halliday Clark Limited take no responsibility for the use of this drawing for any purpose other than that for which it was intended. All dimensions are in millimeters unless stated otherwise. All dimensions should be verified on site prior to commencement of works. Do not scale from this drawing. All works must be in accordance with British Standards, EC Standards, Health & Safety at work act & all other relevant regulations & By-Laws. Any discrepancies should be brought to the attention of Halliday Clark Limited.

**NOTES**

Drawing based on survey information provided by third party measured surveys. Any discrepancies to be reported to the architect.



- Key to layout**
- New plastered finish
  - Exposed soffit and services, painted black
  - Timber ceiling
- Ceiling Type**
- Installation height
  - Bulkhead

- ① **CT1**  
1 no. layer 12.5mm SoundBloc plasterboard
- ② **CT2**  
2no. layers of 15mm SoundBloc plasterboard fixed to resilient bars
- ③ **CT3**  
2no. layers of 15mm SoundBloc plasterboard fixed to suspended MF ceiling
- ④ **CT4**  
1 no. layer of 15mm SoundBloc plasterboard fixed to suspended MF ceiling
- ⑤ **CT5**  
Vtec Maxibeam 100x40, 100mm centres
- ⑥ **CT6**  
Vtec Supastat 3 panel
- ⑦ **CT7**  
Exposed soffit, painted with Knauf Eleganza seamless acoustic ceiling rafts
- ⑧ **CT8**  
Knauf Thermoatex Feinstratos Micro ceiling grid
- ⑨ **CT9**  
Exposed soffit & services, painted
- ⑩ **CT10**  
2 no. layer of Gyproc FireLine 15mm on isolation clips with 100mm acoustic insulation slab (min density 45kg/m3)
- ⑪ **CT11**  
Ecophon Acoustic Plasterboard 15mm fixed to proposed Ceiling Type beneath
- ⑫ **CT12**  
2no. layers of 15mm SoundBloc plasterboard fixed to Gyproc GL1 Lining Channel, fixed to Gyframe GL2 bracket
- ⑬ **CT13**  
1no. layer of 15mm SoundBloc plasterboard fixed to Gyproc GL1 Lining Channel, fixed to Gyframe GL2 bracket
- ⑭ **CT14**  
Knauf AMF Thermoatex Alpha HD 600x600 ceiling grid

D - 24.04.2024	EC	RJW
Ceiling Type in Level 1 Dance Studio B amended. Note added to theatre ceiling.		
C - 20.03.2024	EC	RJW
Theatre ceiling amended.		
B - 29.08.2023	EC	RJW
Ceiling types amended.		
A - 12.06.2023	EC	RJW
Tender issue.		
- April 2023	EC	RJW
<b>INITIAL ISSUE</b>		
REVISION - DATE	DRWN	CHKD

**FOR CONSTRUCTION**

Redevelopment of St Peter's House  
St Peter's House  
1 Forster Ct  
Bradford BD1 4TY

FOR  
Kala Sangam

Reflected Ceiling Plan - Level 1  
Mezzanine  
Scale 1:100 @ A1

**HALLIDAY CLARK**  
ARCHITECTS

Halliday Clark Limited T 01943 604 123  
1 Lower Railway Road E info@hallidayclark.co.uk  
Ilkley LS29 8PL W hallidayclark.co.uk

**Lighting Key**

- A** Suspended linear light, black
- A9** Recessed linear light, black
- B** Micro suspended linear light, black
- C** Circular recessed downlight
- D** LED tube light, vertically hung
- Da** LED tube light, surface fixed
- F1** Circular pendant feature light, 1690mm
- J** Circular ceiling mounted, black
- K** Circular surface mounted luminaire
- N** Spotlight track
- O** Recessed downlight with 45 degree beam angle to wash adjacent wall
- R** Glass pendant light, suspended at different heights
- XD** Integrated grid ceiling light

**Key**

- Air supply vent
- Extract vent
- Ceiling mounted cassette unit
- Plasterboard access panel with beaded frame
- Access panel below HRU (if required)

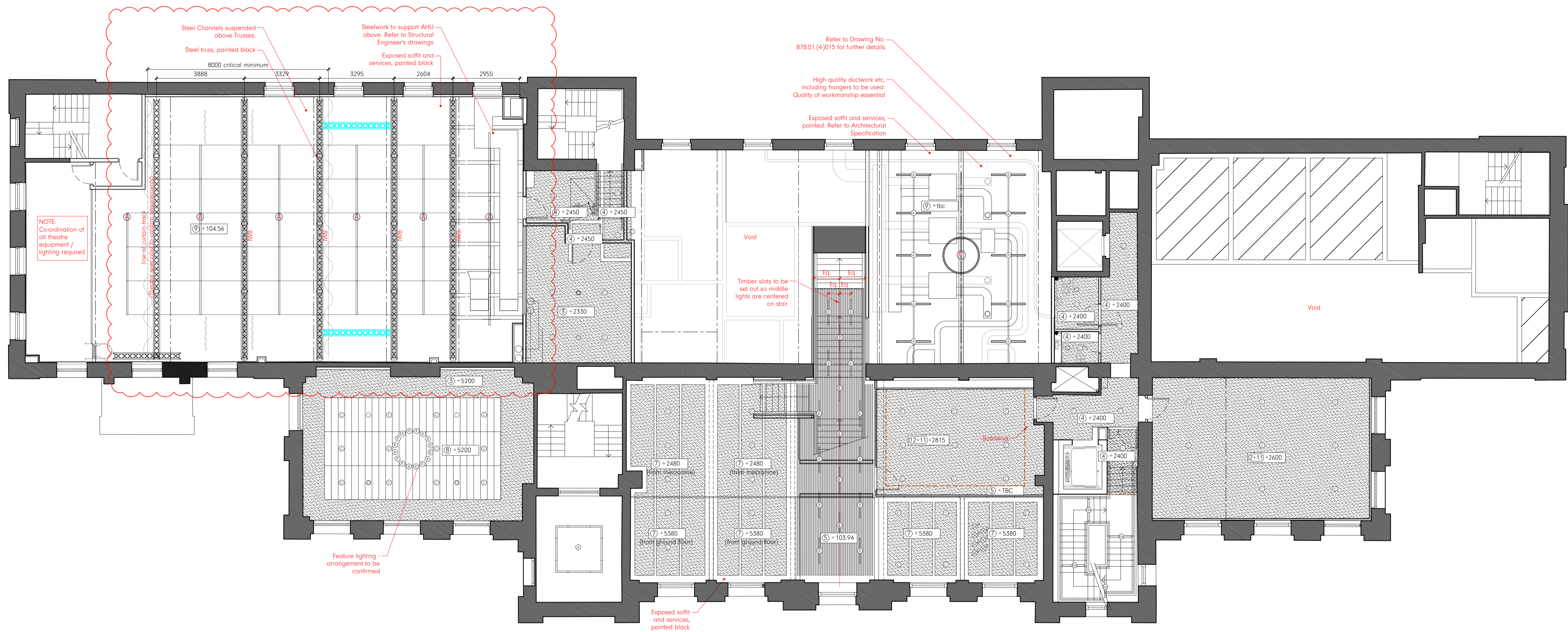
**NOTE:** Refer to Electrical Engineer's lighting drawings for specification. This drawing to be used for detailed layout & setting out.

DRM REF

**Notes:**

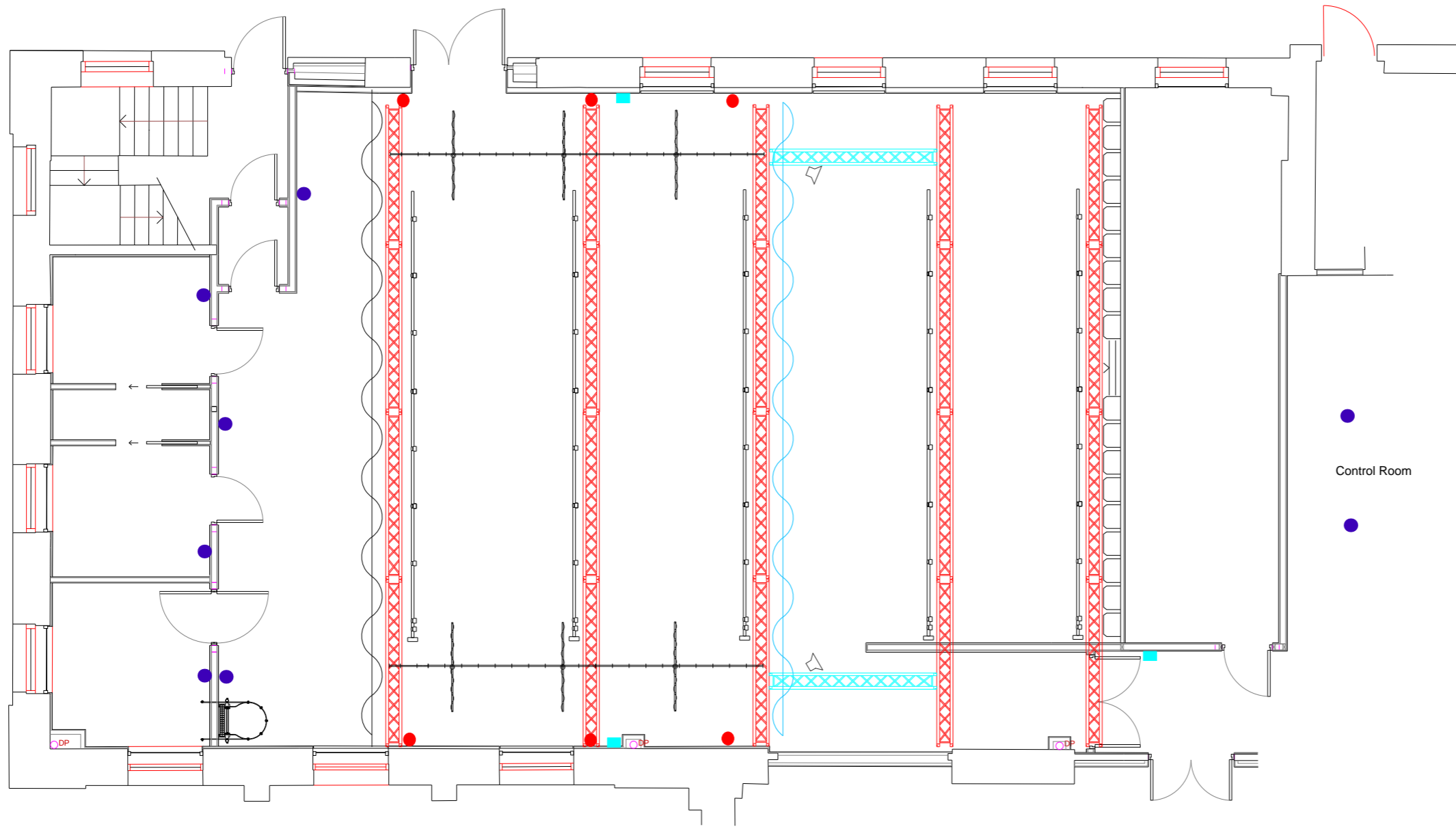
Lighting design to be reviewed and final design agreed with client.

Access for smoke detection in voids to be coordinated / finalised.



**Reflected Ceiling Plan Level 1 (Mezzanine)**  
1:100

K - 05.02.2025	TD	RJW
Amended Theatre Lighting		
J - 14.01.2025	TD	RJW
Amended Theatre Lighting		
I - 18.12.2024	TD	RJW
Amended Theatre Lighting		
H - 13.12.2024	TD	RJW
Updated Theatre Truss Layout		
G - 27.11.2024	TD	RJW
Amendments per updated GA's around tech box area.		
F - 25.11.2024	TD	RJW
Amendments per updated GA's. Theatre Ceiling in abeyance while under review with theatre designer.		
E - 21.10.2024	TD	RJW
Amendments per updated GA's.		



Rev	Date	Notes

**Symbols Used**

- KV2 ESR212 Truss Mounted
- Low level 6 way vertical IWB mounted on standoff brackets
- Facilities pannels 1, 2 and 3
- Leg drape at 1.5m wide
- IWB
- Drape track - 6.8m
- Stage blue fixture

**Client**

**Title**  
**AV Layout**

**Technical Stage Services**  
Unit 9 Lancaster Close  
Sherburn In Elmet  
Leeds  
LS25 6NS

Drawn By: <b>DD</b>	Scale: <b>NTS</b>	Date: <b>26/04/2023</b>
Issued For:		
Drawing No: <b>001</b>	Rev: <b>001</b>	