



AO Arena, Manchester

This Design and Access Statement has been prepared by AHR Architects Ltd on behalf of ASM Global Ltd in connection with the detailed planning application for the installation of new roof top chiller units at the Manchester Arena on Hunts Bank in Manchester.

Version	Issue Status	Version date	Dr By	App By	Comment
01	Final	13 April 2023	DM	DM	

Project team

Developer	ASM Global Ltd
Main Contractor	Galliford Try Construction
Architect	AHR Architects Ltd
Structural Engineer	Ridge Consulting
Services Engineer	RPS
Fire Consultant	Design Fire Consultants
Noise	Azymuth Acoustics UK

Contents

1.0	Existing Site	04
2.0	Design Proposals	08

Existing
Site

Section 1



1.0 Site Location

As the Arena celebrates 30 years, ASM are giving the world's largest indoor arena a well-deserved £50 million transformation, revitalising and future proofing the iconic, award winning Manchester venue.

Manchester Arena is located in the city centre of Manchester, adjoining Victoria Station, the venue benefits from the adjacent public transportation link with a direct link via the City Rooms entrance. It is also in close proximity to the Medieval District of the city centre.

The proposed site of this planning application is a relatively small section of the AO Arena complex in Manchester.

The application covers the introduction of two new roof mounted chillers to service the main arena bowl replacing equipment which has reached the end of its working life.

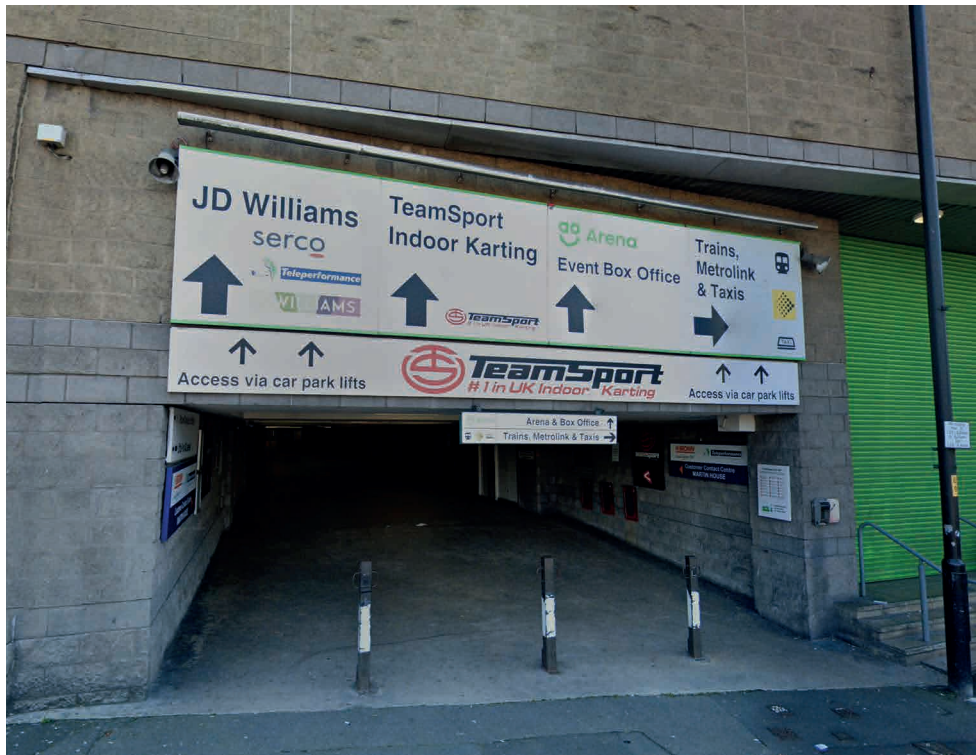
The application site sits between the arena roof and the multi storey car park to the north east of the site.



Existing view from Trinity Way looking East



Existing view from Trinity Way looking towards the Trinity Tunnel



Existing view looking along the Trinity Tunnel



Existing view from Trinity Way looking towards the Trinity Tunnel

1.1 Site Photographs

The existing site photographs across indicate the section of the AO Arena that the proposed application is associated with at roof level on the Trinity Way frontage.

The proposed new chillers will sit on the edge of the existing flat roof between the main roof of the arena bowl and the top deck of the adjacent multi storey car park.

The new chillers are positioned to allow the existing chillers to continue running until the new installation has been completed and commissioned which will then allow the original chillers to be decommissioned and removed.



Existing view from Trinity Way looking towards the Trinity Tunnel



Existing view from Dutton Street looking towards the Trinity Tunnel

1.2 Site Photographs

The site photographs across indicate the zones highlighted red which are affected by this planning application.

The main position that the new chillers will be visible from is Dutton Street to the north of the site but this should be considered in the context of the significant amount of existing plant and ductwork on top of the arena roof and between the arena and the multi storey car park.



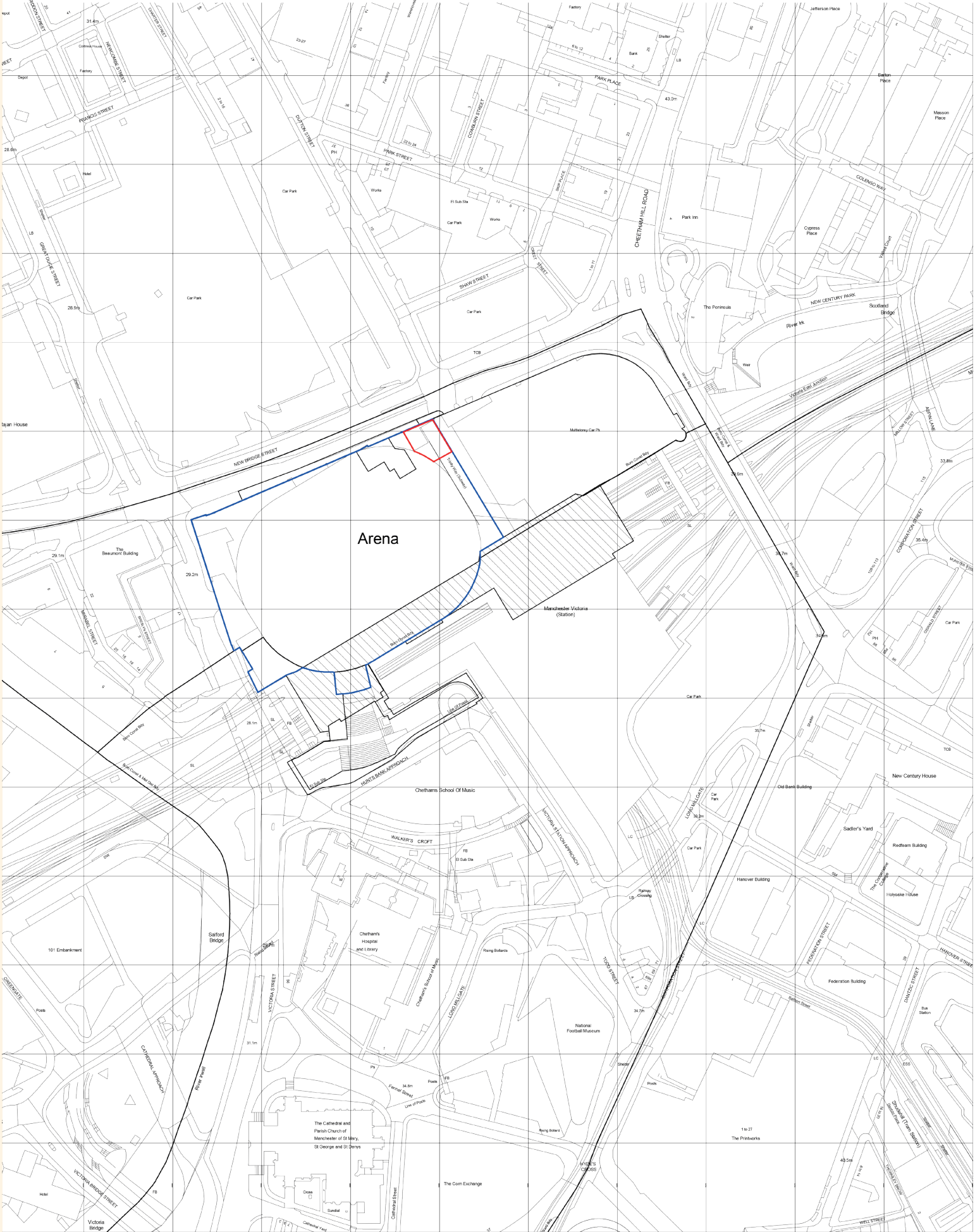
Existing view from Trinity Way looking West



Existing view from Trinity Way looking West

Design Proposals

Section 2



2.0 Use, Scale and Amount

Use

The proposed use of the application is to support the ongoing operation of the AO Arena in Manchester.

The application covers the replacement of the existing roof mounted chiller units with two new roof mounted chillers which serve the main arena bowl.

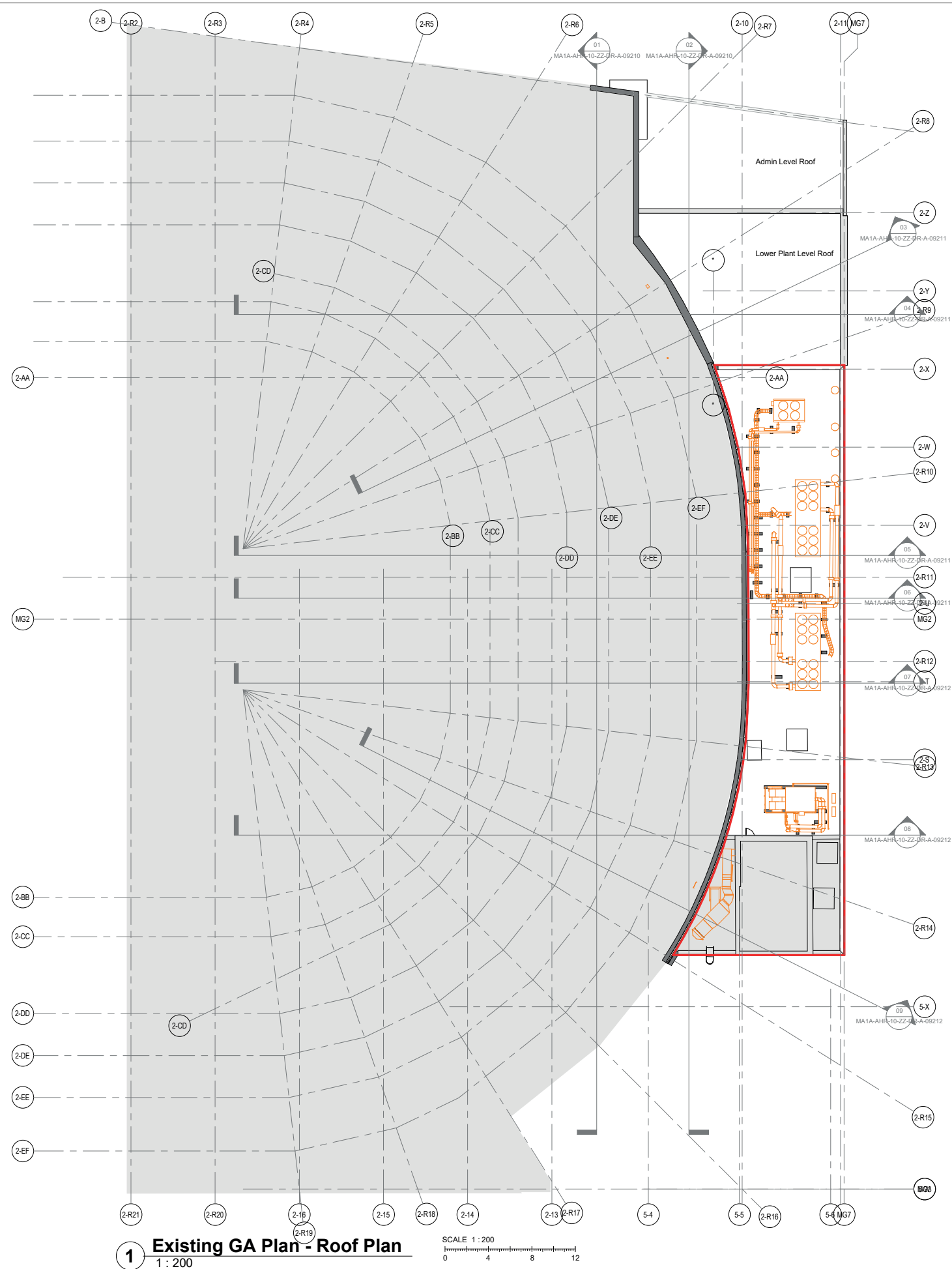
Scale

The new chiller units are located on the flat roof area between the main arena bowl roof and the roof of the multi storey car park which already houses the existing chillers and various plant and ductwork.

Amount

The proposal is to locate two new chiller units at roof level to replace the existing chillers.

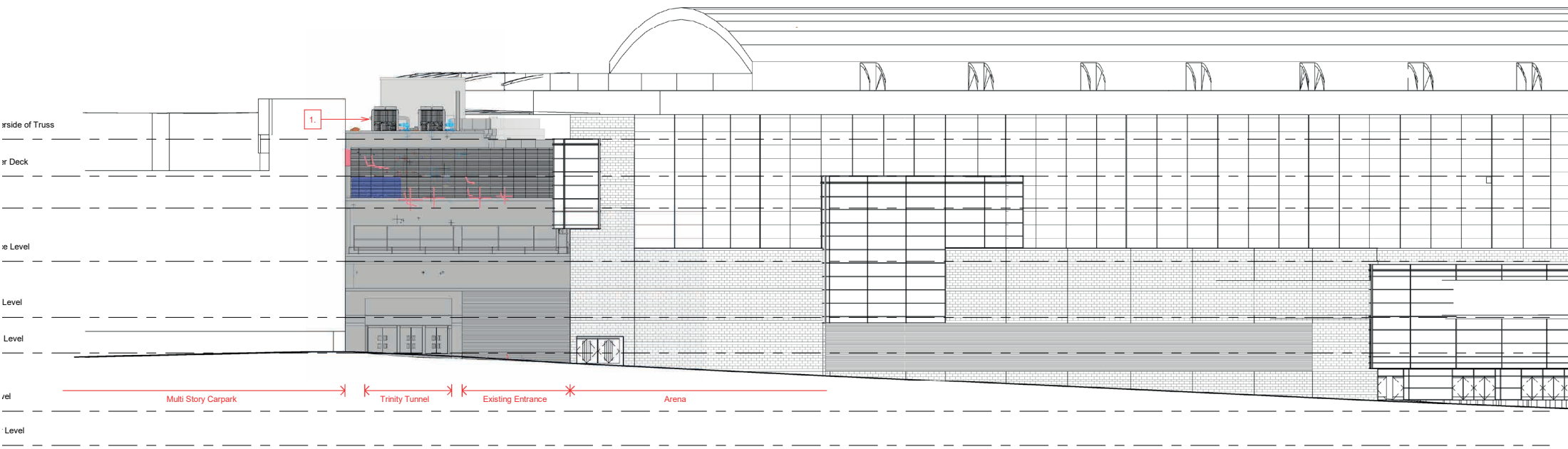
The new chillers are positioned to allow the existing chillers to continue running until the new installation has been completed and commissioned which will then allow the original chillers to be decommissioned and removed.



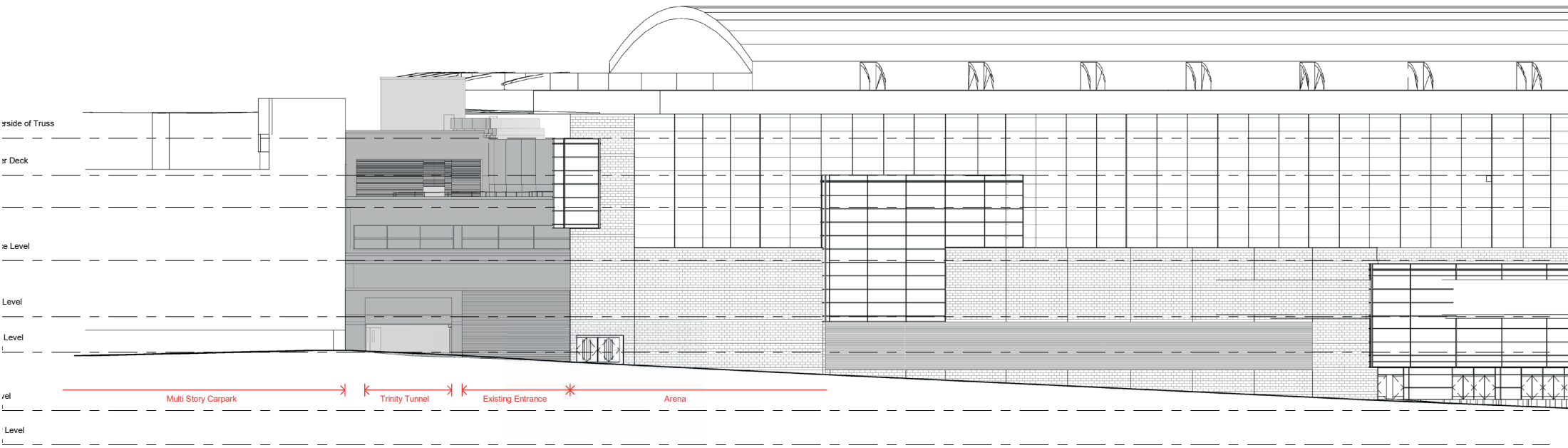
2.1 Existing Roof Plan

The proposed roof plan across shows the two new chiller units located to the north of the existing chillers which allows for the installation of the new units before the existing units are decommissioned and removed.





Planning Elevations - Proposed Trinity Way Elevation
: 200



Planning Elevations - Existing Trinity Way Elevation
: 200

2.3 Appearance

The elevations across show the existing and proposed arrangement.

The new chillers are positioned on the flat roof between the main arena bowl and the top of the multi storey car park which is set back from the Trinity Way elevation.

The setting of these new units should be viewed in the context of the existing exposed plant and ductwork which runs across the existing roof level.



ARCHITECTURE
MASTERPLANNING
URBAN DESIGN
INTERIOR DESIGN
LANDSCAPE DESIGN
VISUALISATION
BIM CONSULTANCY
PRINCIPAL DESIGNER
BUILDING CONSULTANCY