



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 a plant screen, handrail and external doors at the Manchester Arena on Hunts Bank in Manchester.

Version	Issue Status	Version date	Dr By	App By	Comment
01	Final	24 February 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

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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 site abuts Trinity Way in the immediate vicinity of the Trinity Way tunnel which provides pedestrian access to the Arena and Victoria Railway Station.

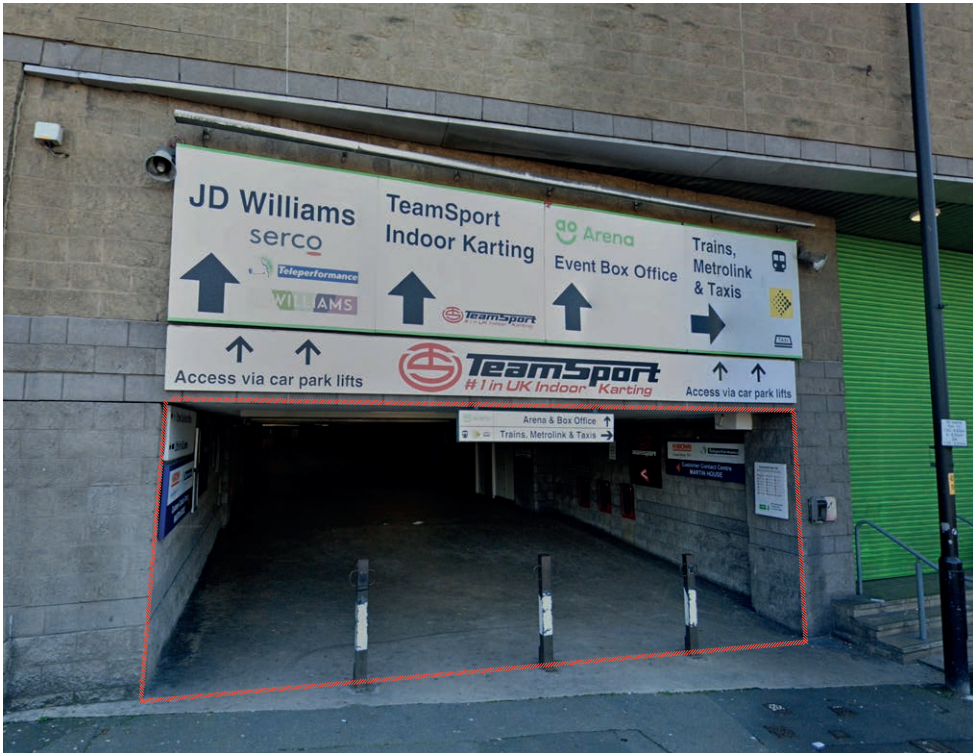
The application covers the introduction of new doors to the Trinity Way tunnel, a new pedestrian guardrail at the admin office level and a new louvre plant screen at roof level to conceal new external plant equipment.



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 on the Trinity Way frontage.

The proposed new tunnel entrance doors, pedestrian guardrail and external louvred plant screen sit in the vicinity of the existing Trinity tunnel entrance.

The new pedestrian guardrail sits immediately above the tunnel entrance and the new plant louvre screen sits at the level above the admin level at plant room level.

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



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.



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 three principal elements as follows,

New doors to the Trinity Way Tunnel - The proposal is to introduce new blast security doors within the Trinity Way tunnel which is an important element of the wider security strategy for the Arena.

New pedestrian guardrail at Admin Offices Level - The proposal is to erect a freestanding galvanised roof edge protection guardrail inside the existing parapet along with a new access door from the circulation corridor.

New plant louvre screen and external plant equipment at Plant Room Level - The proposal is to erect a freestanding louvred plant screen at the edge of the existing roof parapet behind which a new riser enclosure will be will be constructed along with external plant equipment.

Scale

The new doors are located within the existing opening which forms the Trinity Way tunnel.

The new pedestrian handrail at admin office level sits behind the existing parapet and rises up slightly above the line of the existing parapet.

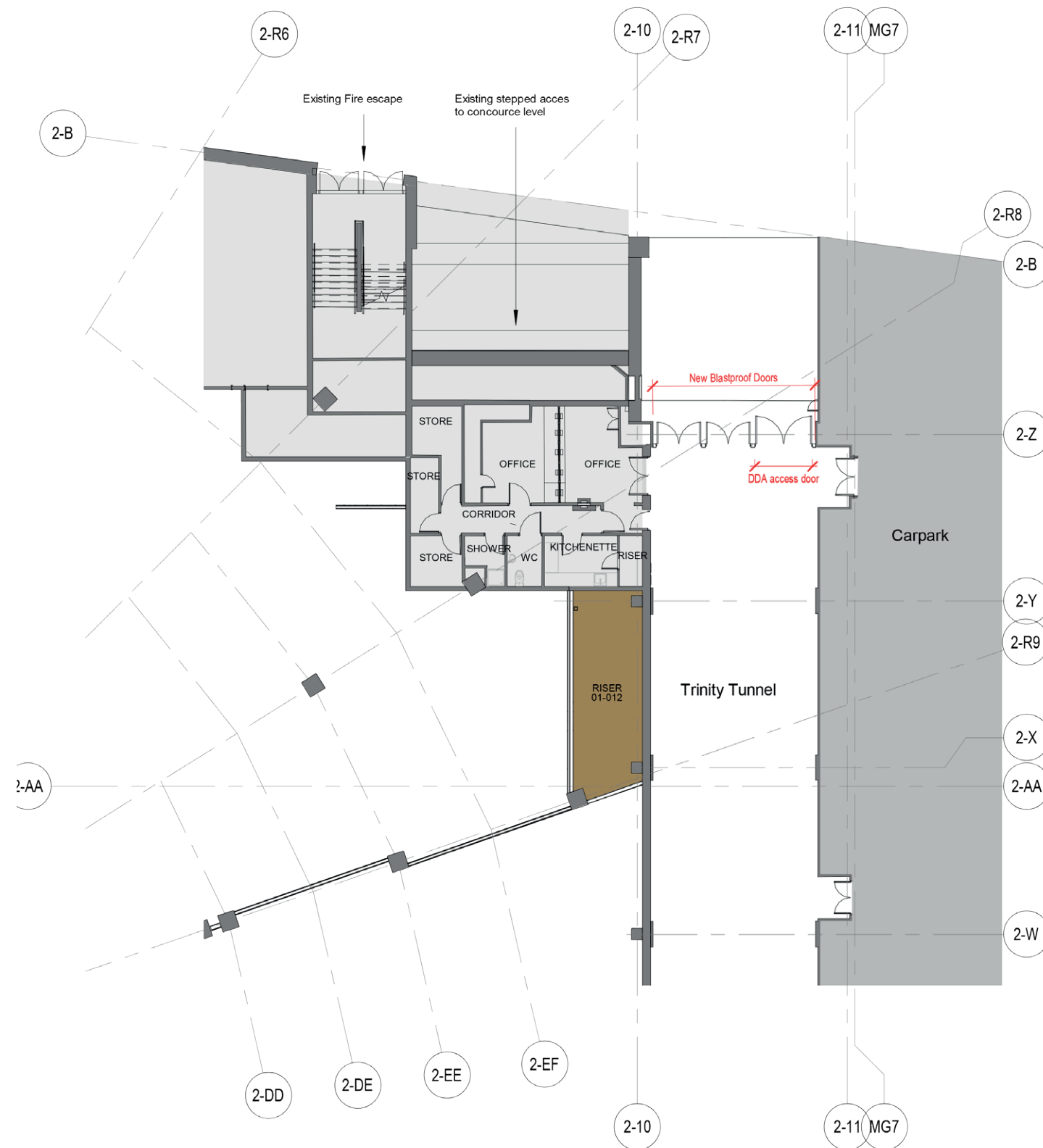
The new plant screen at plant room level is 5m high from the height of the existing parapet level.

Amount

The new doors to the Trinity Way tunnel are three sets of double doors.

The new pedestrian guardrail is an 1100mm high guarding above the existing roof level.

The new plant screen at plant room level is 5m high from the existing parapet height.



2.1 Proposed Ground Floor Plan

An upgraded Trinity Way Tunnel includes a new set of doors. These form part of the acoustic barrier between the venue and the exterior, help control crowds within the tunnel and act as the first line of security on the way into the arena.

These doors will form a very important part of the wider security strategy for the Arena, the detail of which is a restricted document.

Ticket holders will move through the tunnel and be guided through a new set of doors into a lobby, before moving down the escalators and stairs into the spaces below.

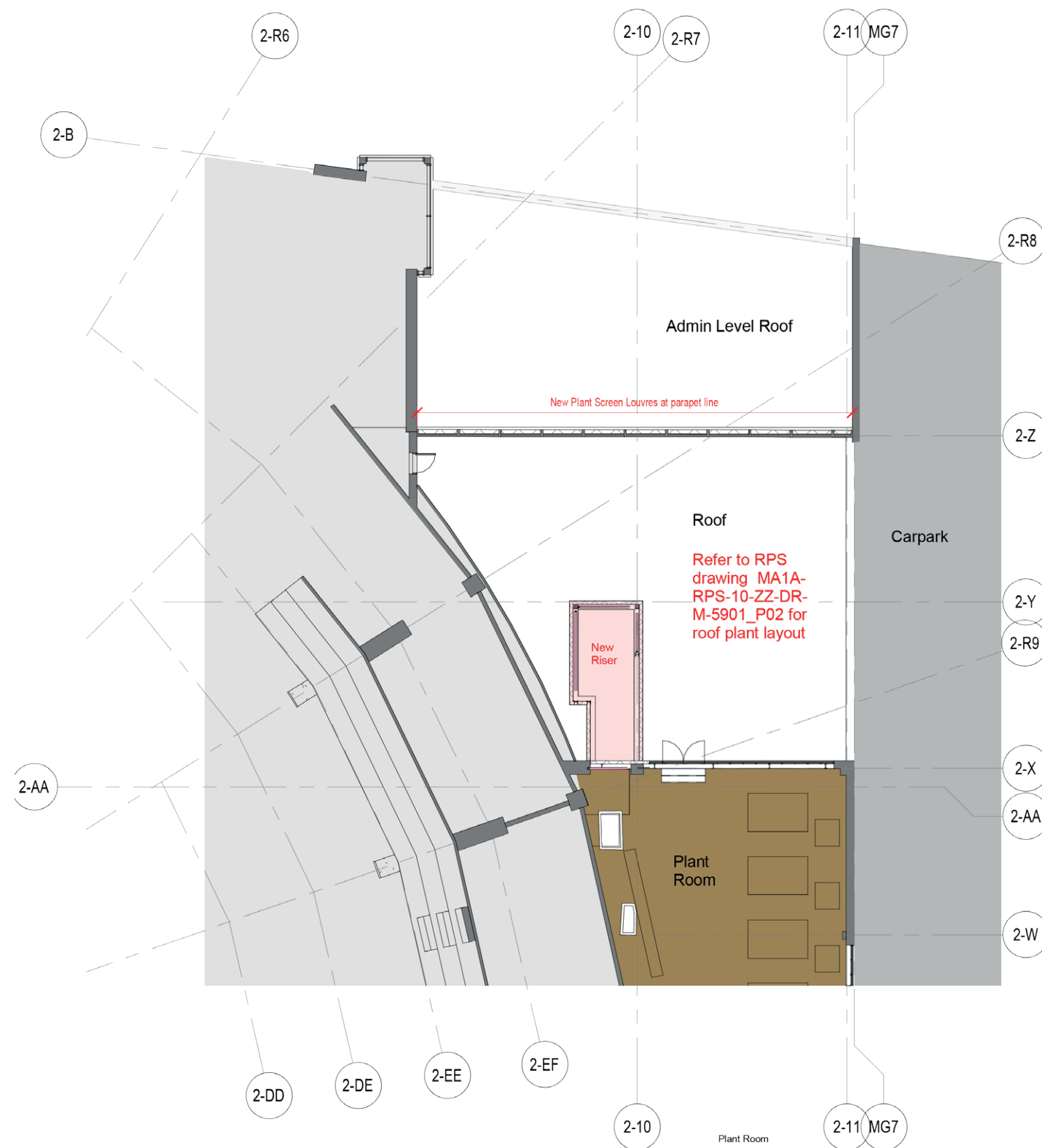
The core will be upgraded to provide VIP and accessible ticket holders fast routes down to their respective seats or lounges.



2.2 Proposed Admin Floor Plan

New pedestrian guardrail at Admin Offices Level - The proposal is to erect a freestanding galvanised roof edge protection guardrail inside the existing parapet along with a new access door from the circulation corridor.

The new guarding is required as a consequence of the proposed louvre screen at plant room level which will remove the current ladder access to the admin floor roof terrace from the plant room level terrace. The proposed arrangement under this application will provide much safer access to the admin level flat roof for maintenance.



2.3 Proposed Plant Room Plan

New plant louvre screen and external plant equipment at Plant Room Level - The proposal is to erect a freestanding louvred plant screen at the edge of the existing roof parapet behind which a new riser enclosure will be constructed along with external plant equipment.

The new plant screen at plant room level is 5m high from the height of the existing parapet level.

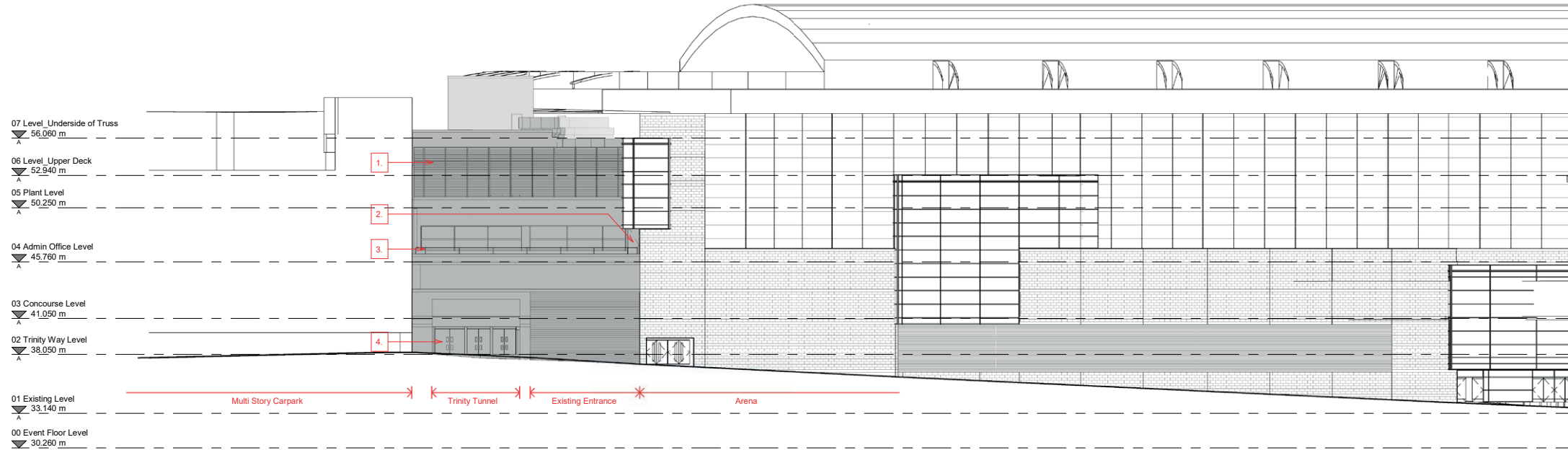
2.4 Appearance

The elevations across show the existing and proposed arrangement.

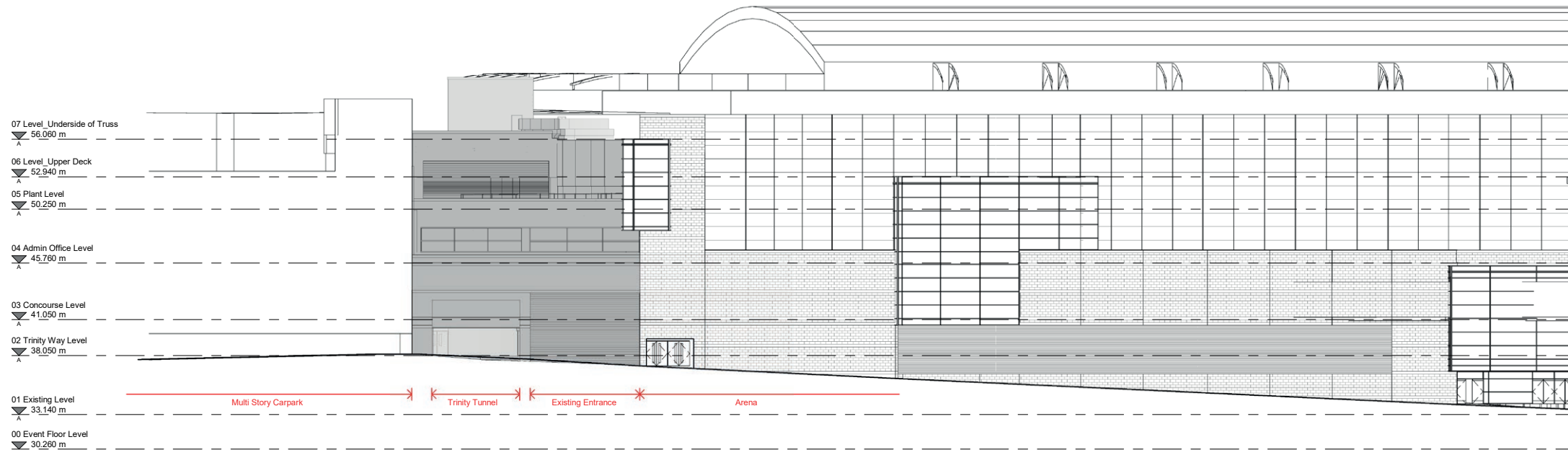
The new doors to the Trinity Tunnel are located within the existing tunnel at Trinity Way level. The proposal is to create three sets of double doors, which are designed to be blast resistant.

The new pedestrian guardrail at office admin level is proposed as a galvanised guardrail which is positioned behind the existing roof parapet at that level. it is proposed to be 1100mm from the existing roof level and rises up slightly above the line of the existing parapet.

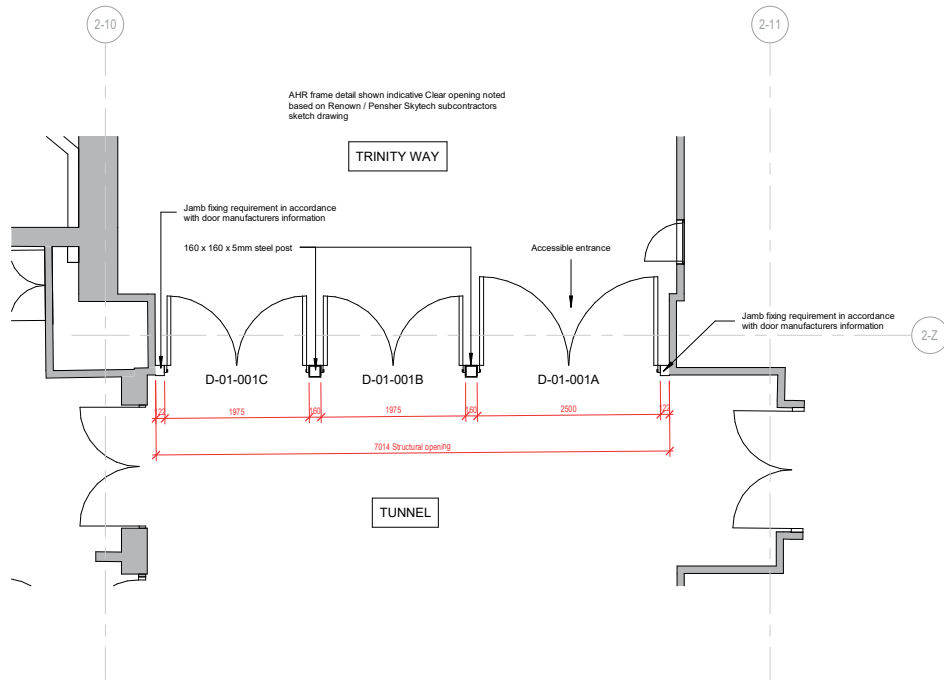
The new louvre screen at the plant room level is proposed to be 5m in height and will be finished to match the adjacent wall cladding.



2 Planning Elevation - Proposed Trinity Way Elevation
1 : 200



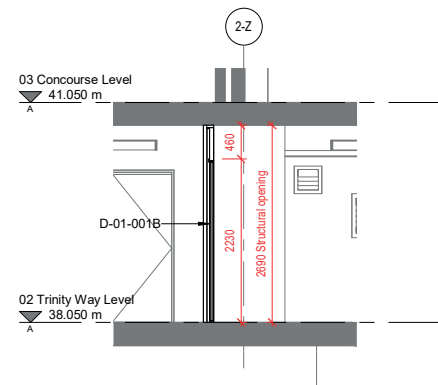
1 Planning Elevation - Existing Trinity Way Elevation
1 : 200



1 02 Level_Trinity Way Tunnel - Entrance Plan
1 : 50



2 Tunnel Entrance Elevation From Trinity Way
1 : 50



3 Section Through Door
1 : 50

2.5 Proposed Doors to Trinity Tunnel

The proposed new doors to the Trinity Tunnel are recessed into the existing opening in the facade. The detail design of the doors will be developed during the detail design stage of the project to be blast resistant to comply with the requirements of the AO Arena detailed security strategy for the entire complex.

The drawing across illustrates the design intent for the doors.



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