



Manchester University NHS Foundation Trust Manchester Royal Infirmary

ADP Manchester | July 2022



Design and Access Statement

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01 — Introduction

01 Introduction

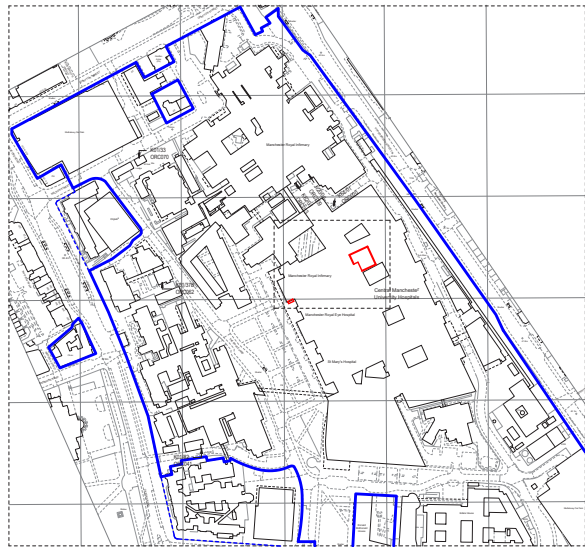
This Design and Access Statement was prepared in support of planning application for the provision of the new HTMo3-complaint roof plant enclosure and front services enclosure associated with the proposed refurbishment and conversion works of the existing clinical office department at Level 02 of the Manchester Royal Infirmary to create a 16-bed acute general adult inpatient Ward.

Healthier Together 16 Bed Ward

The project is funded by the NHS Healthier Together initiative which supports the improvement of healthcare within the region.

The project seeks to increase the acute inpatient service at the Manchester Royal Infirmary to meet the current demand whilst ensuring minimum disruption of the day-to-day operation at the hospital.

A separate project is underway within Cobbett North building to create a new office complex replacing the provision on the second floor of MRI.



Images

Fig 1. Site Location Plan (A-0900 Rev. P1)

Fig 2. Aerial View of Manchester Royal Infirmary (by others).

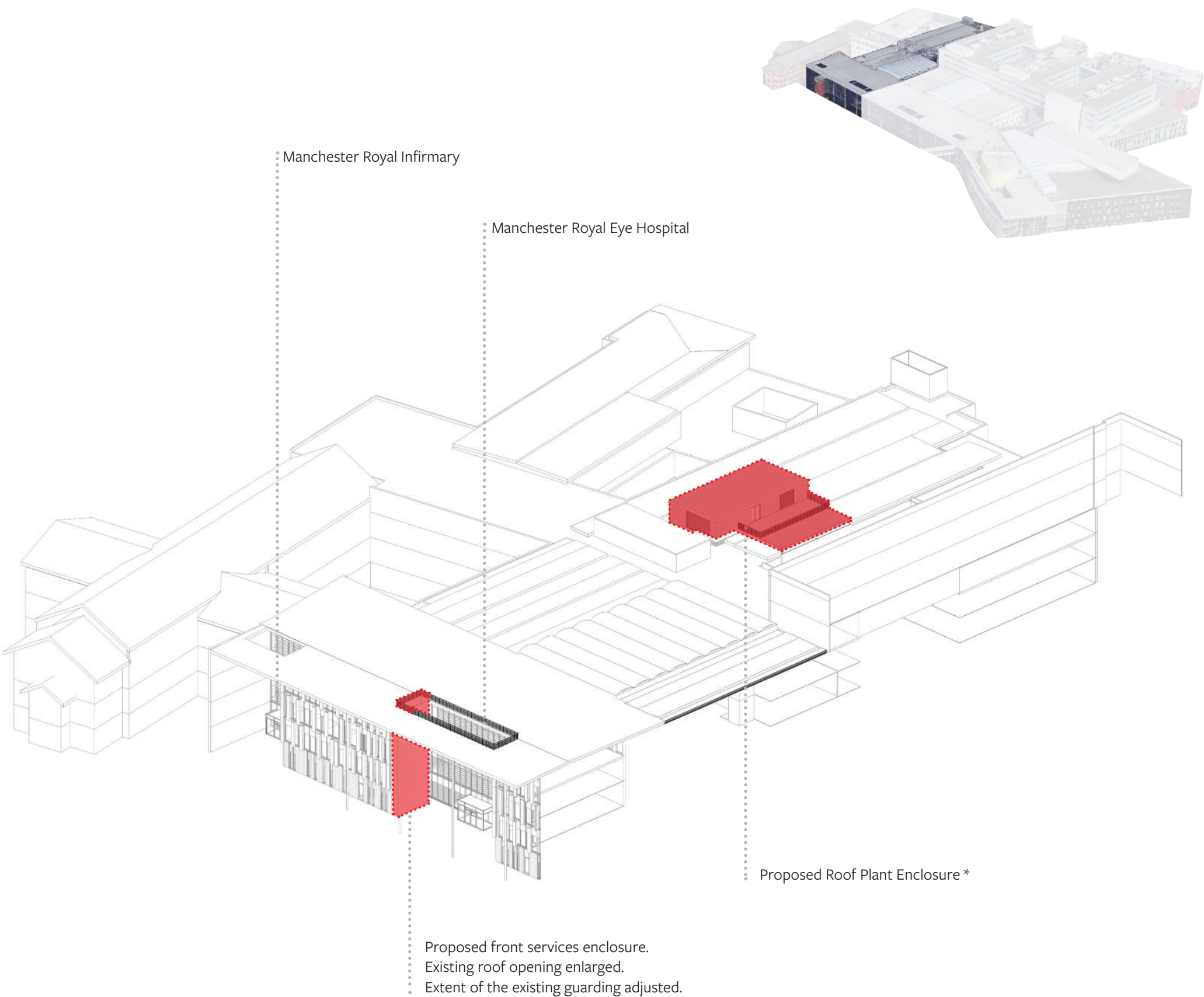


01 Introduction

The application is complimentary to the approved works to convert the existing office department at Level 2 into a well-functioning acute inpatient ward which require remodelling of the existing mechanical and electrical services, the provision of a new HTMO3-o1 complaint roof plant enclosure and further enclosed services drop to the left of the entrance to the Manchester Royal Eye Hospital.

Development Control - Planning

The rooftop plant room enclosure and the installation of enclosure to the proposed front services with associated works to enlarge the existing roof opening and adjust the extent of the existing guarding require consent from Local Authority.



KEY

- Application Area
 - Roof Plant Enclosure
 - Front Services Enclosure

Images

Fig 3. Aerial View of Manchester Royal Infirmary (by others) - Approximate location of works.
Fig 4. Aerial View of Manchester Royal Infirmary - Application Boundary

* Location subject to detail technical design.

02 — Existing Building

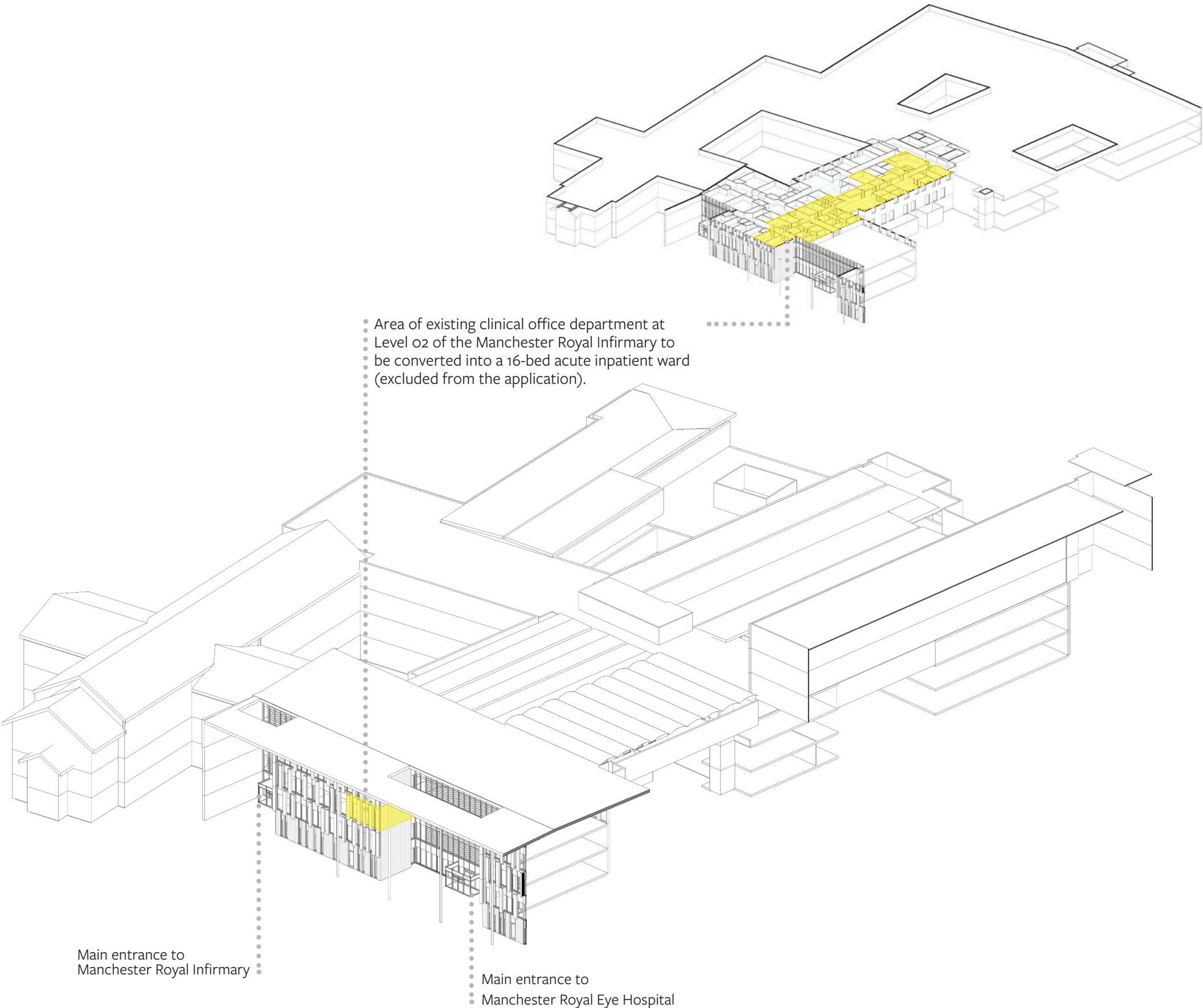
02 Existing Building

An application from the Trust for NHS development grant funding as part of ‘Healthier Together initiative’ was recently approved and provides finance for the 16-bed scheme.

The 16-bed acute general care ward facility will be created within the second floor of the PFI new build MRI in a nucleus template, adjacent to other relevant adult acute clinical services. The accommodation is currently utilised for clinical management offices. The creation of this ward enables the Trust to most easily deliver the elective care workstream of the Healthier Together programme.



Images
Fig 5. Existing clinical office department at Level 2- View from the entrance to the Royal Eye Hospital.
Fig 6. Existing clinical office department at Level 2- Aerial view.



03 — Proposed Front Services Enclosure

03 Proposed Front Services Enclosure

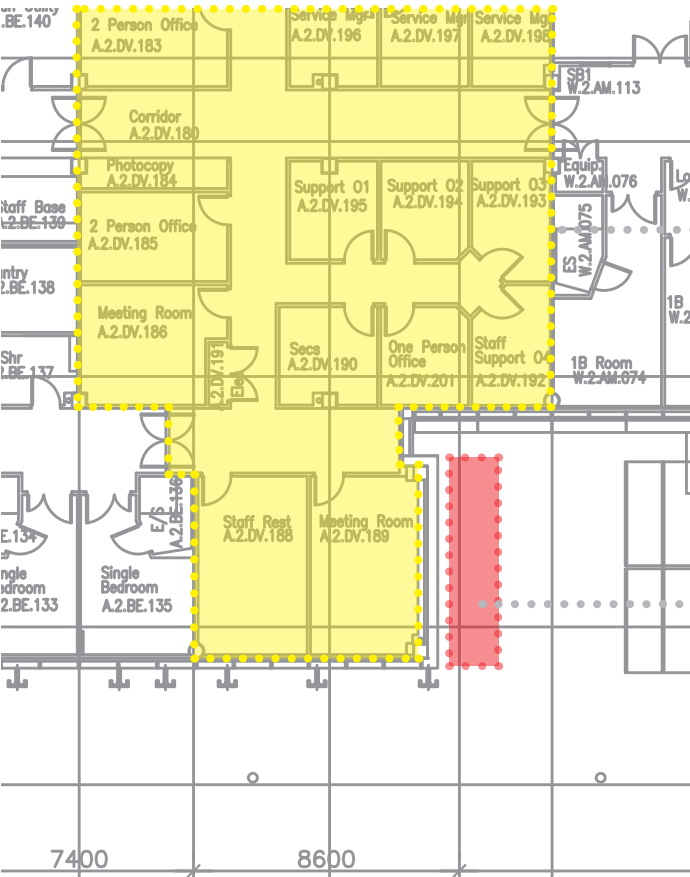
The new 16-bed elective care ward will be set within an existing nucleus template and as a consequence, the disruption of the surrounding wards is of significant consideration, in particular where remodelling of the existing mechanical and electrical services is required.

To minimise any disruption where possible and practical, the proposal seeks permission to introduce a service drop externally from the roof canopy above the entrance to the Royal Eye Hospital, to enter the building via the ceiling void on the second floor.

KEY

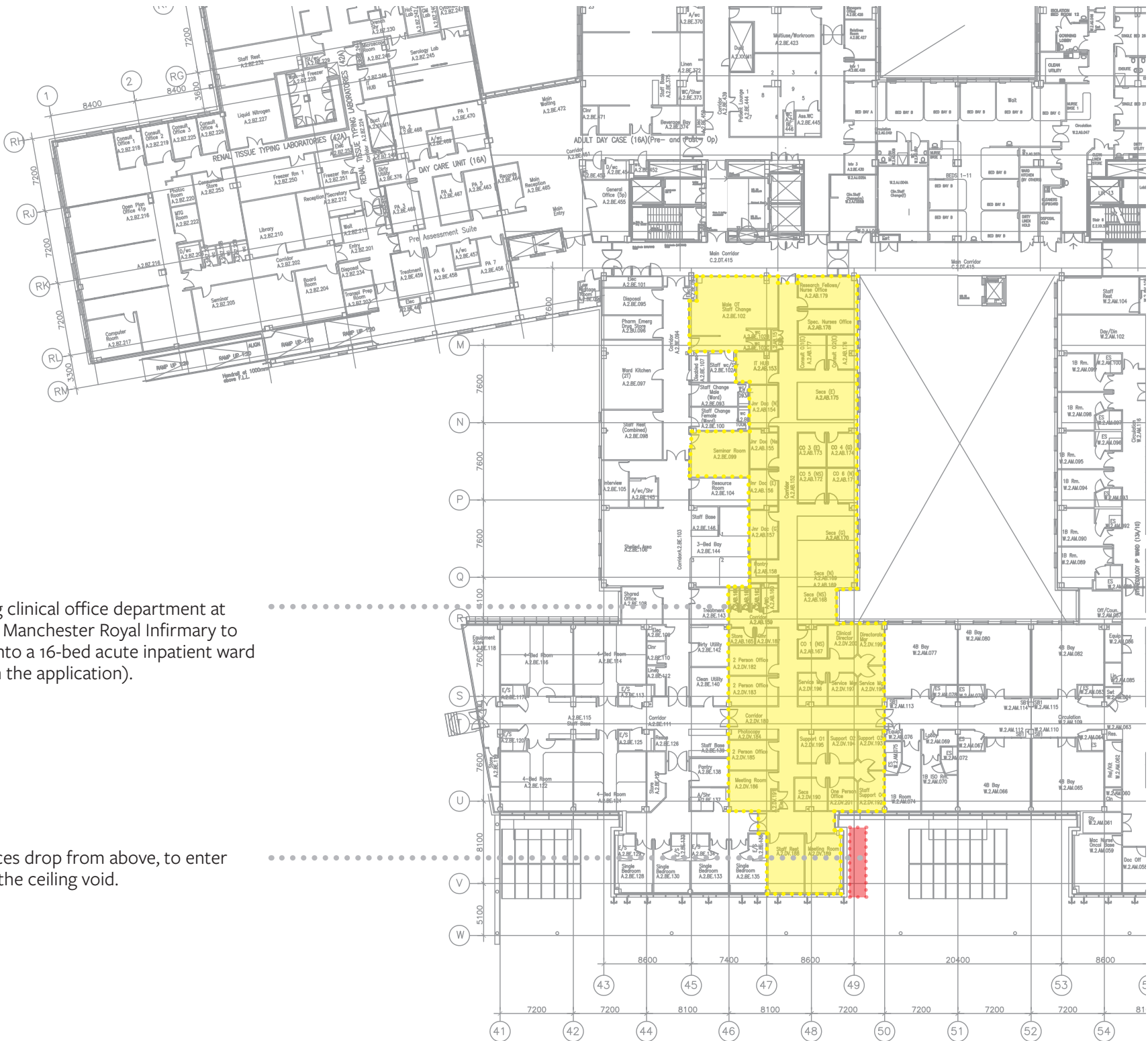
Application Area

- Roof Plant Enclosure
- Front Services Enclosure



Area of existing clinical office department at Level 02 of the Manchester Royal Infirmary to be converted into a 16-bed acute inpatient ward (excluded from the application).

Enclosed services drop from above, to enter the building in the ceiling void.



Images
Fig 7, 8. Manchester Royal Infirmary - Existing Level 2 plan with area of proposed services enclosure.

03 Proposed Front Services Enclosure

The services requiring routing via the existing ceiling void on the second floor are anticipated to be as follows:

- Dirty Extract Duct
- Constant Temperature Low Pressure Hot Water Flow and Return
- Chilled Water Flow and Return
- Supply Duct

All services are to be enclosed using a clad enclosure that matches the existing clay facade cladding.

To enable the services to run straight along the facade, the existing opening in the roof canopy is proposed to be extended.

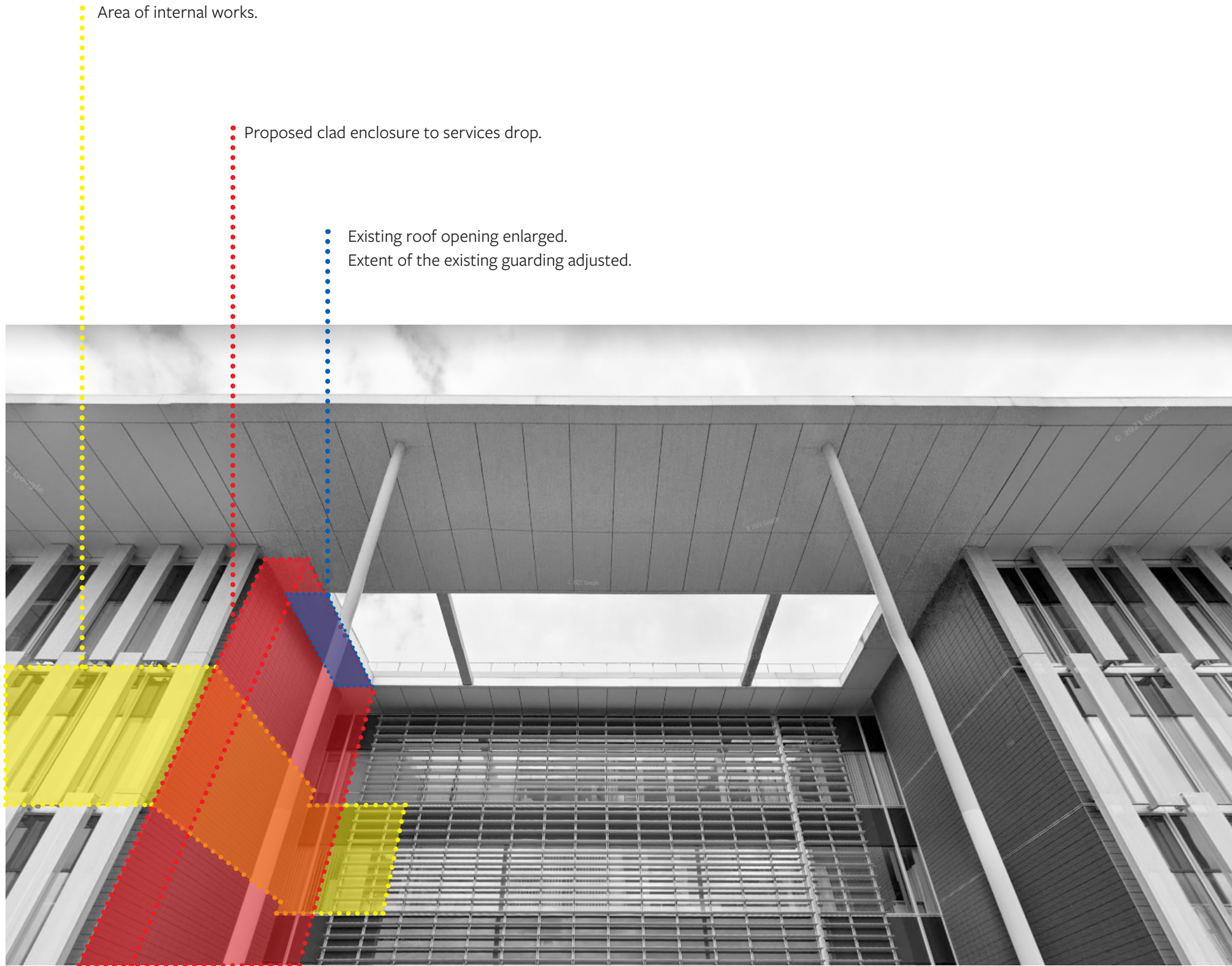
The type of services within the enclosure is subject to detailed design development.

Key:

-  Existing clinical office at Level 2.
-  Proposed clad enclosure to services drop.
-  Existing roof opening enlarged.

Images

Fig 9. Manchester Royal Infirmary - Extent of proposed works at front entrance to the Royal Eye Hospital.



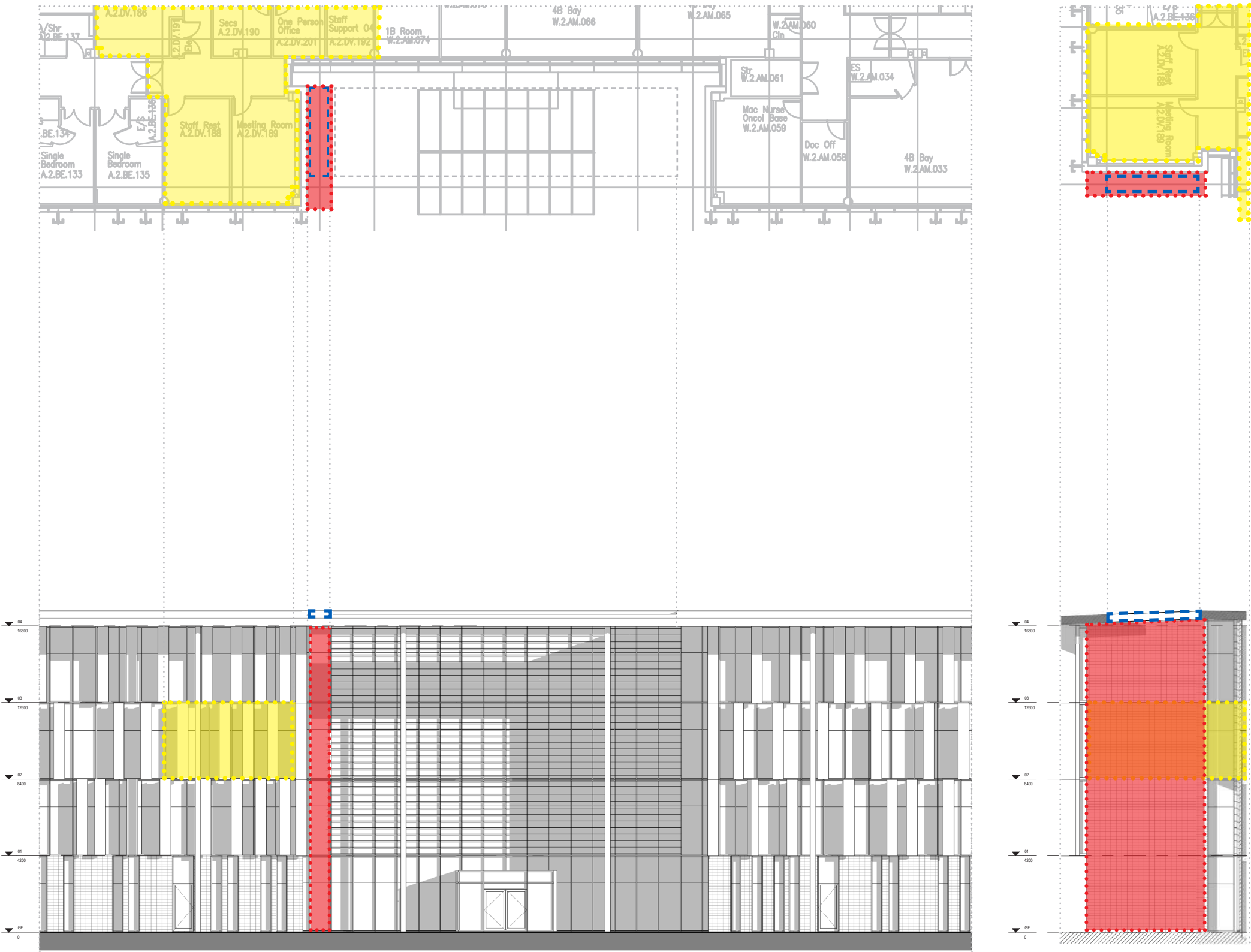


03 Proposed Services Enclosure

The proposed services enclosure will stretch from the roof level down to ground floor, and will be aligned to existing walls, to allow for a coherent visual integration of the enclosure at the entrance point to the Royal Eye Hospital.

- Key:
-  Existing clinical office at Level 2.
 -  Proposed clad enclosure to services drop.
 -  Existing roof opening enlarged.

Images
Fig 10, 11. Front Services Enclosure - Proposed plan and elevations showing extent of required works.



03 Proposed Front Services Enclosure

The front services are to be enclosed with dark blue clay cladding matching the existing to ensure consistent building aesthetic at main entrance points.

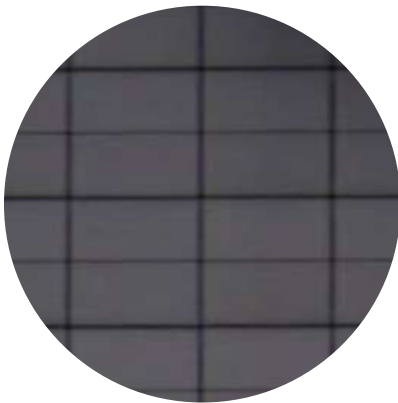
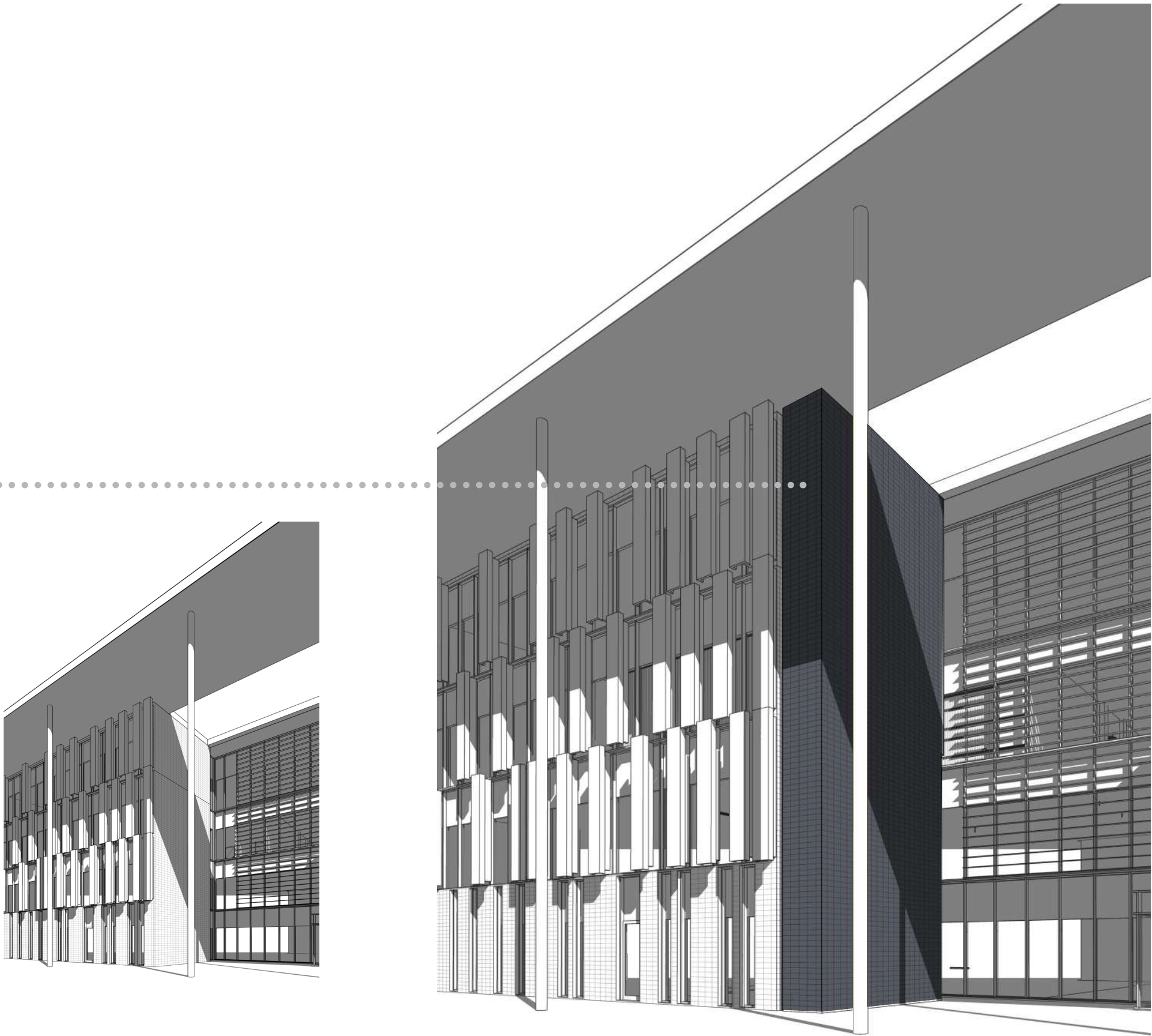


Fig 12. Proposed cladding to front services enclosure to match existing.



Images

Fig 13. View of the existing cladding at entrance to the Royal Eye Hospital (by others).
Fig 14, 15. Entrance to the Royal Eye Hospital: Existing and proposed perspective views.



04 — Proposed Roof Plant

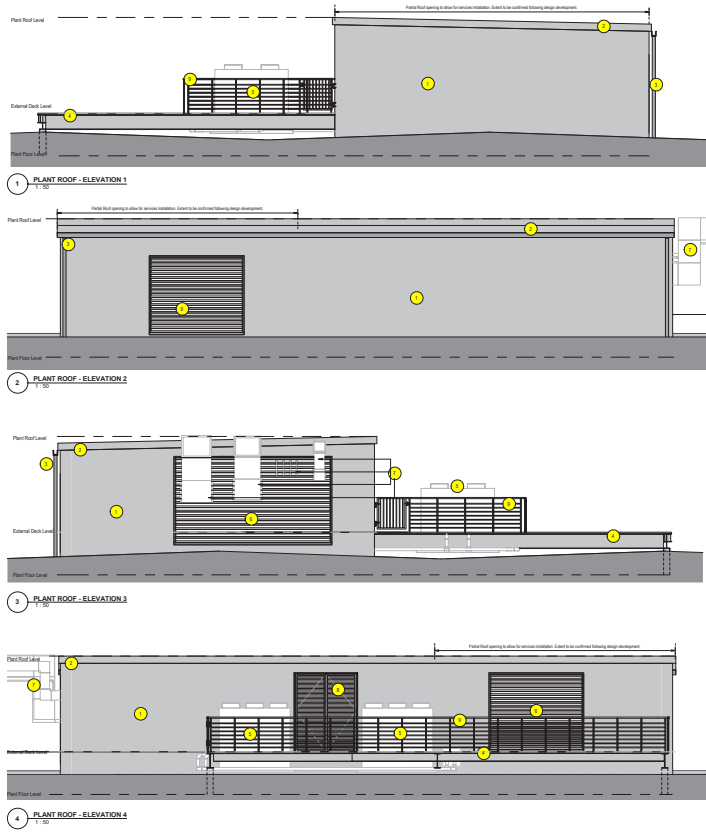
04 Proposed Roof Plant

The proposed roof plant enclosure will house ventilation equipment to the new Level 2 acute inpatient ward and is to be located in the close proximity of the existing access stairs and lift.

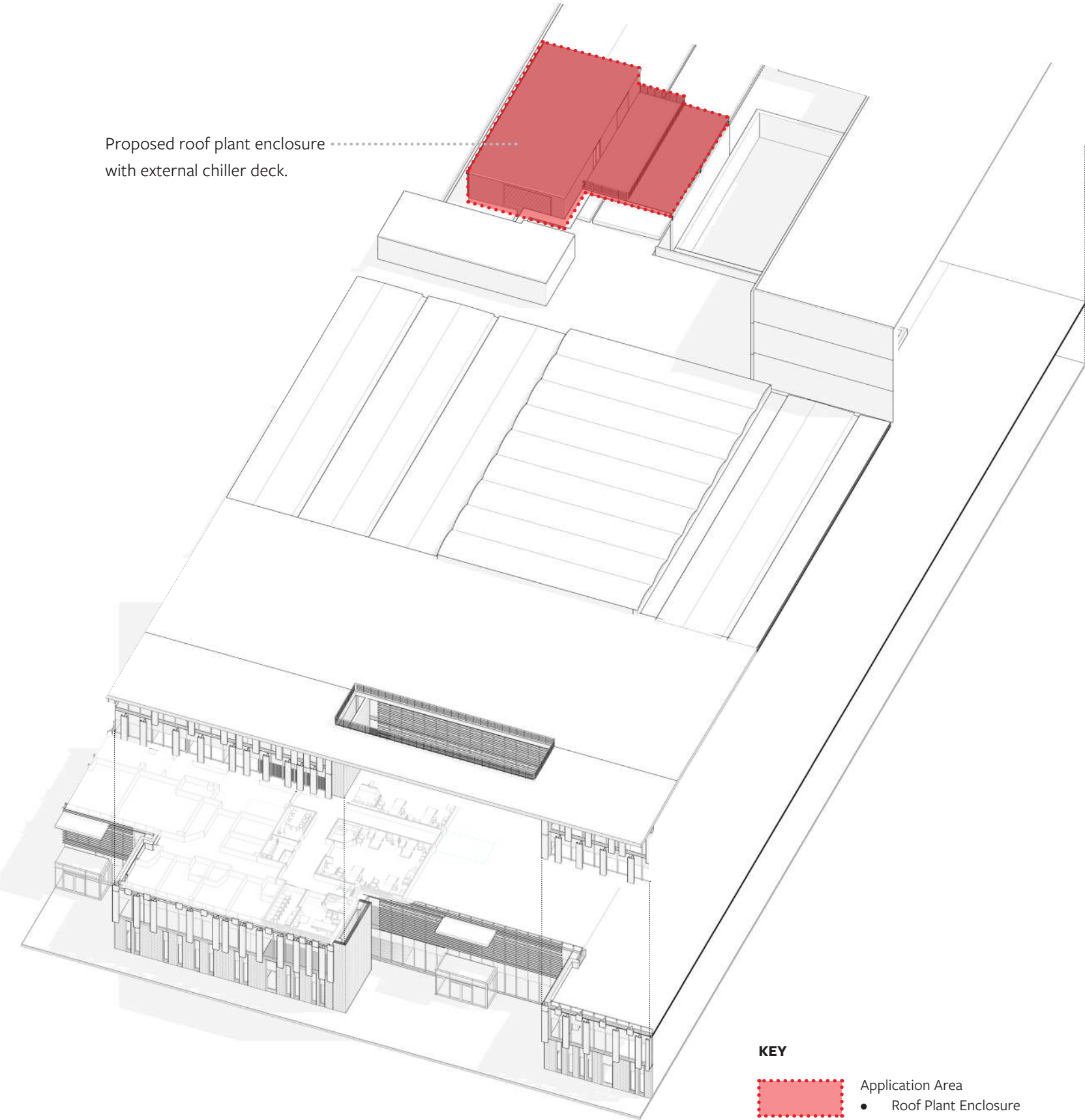
The plant is enclosed with a metal cladding on steel-frame, with a mono-pitch roof and 3no metal louvred openings.

Part of the roof is proposed as demountable to allow for equipment installation.

The plant room will be accessed from the proposed external deck where external chiller units will also be located.



Images
Fig 16. Proposed plant room elevations.
Fig 17. Aerial view of the proposed plant room.



KEY

- Application Area
- Roof Plant Enclosure



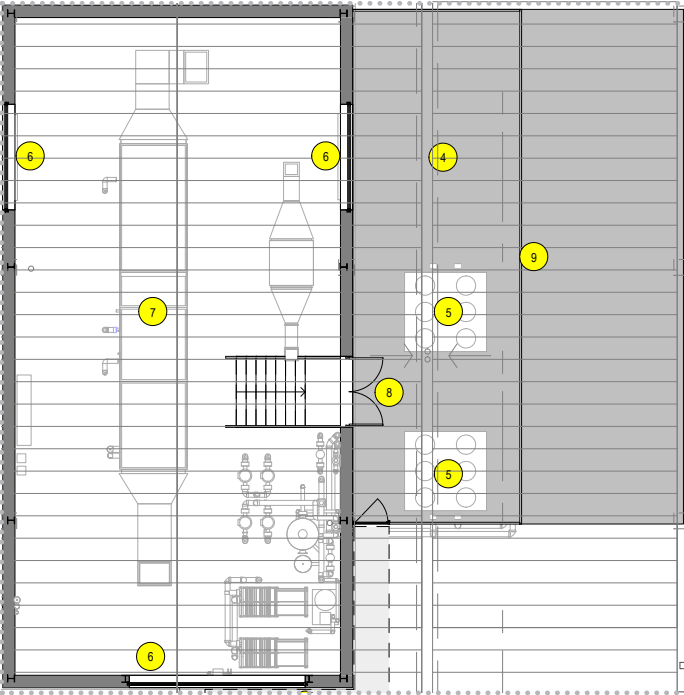
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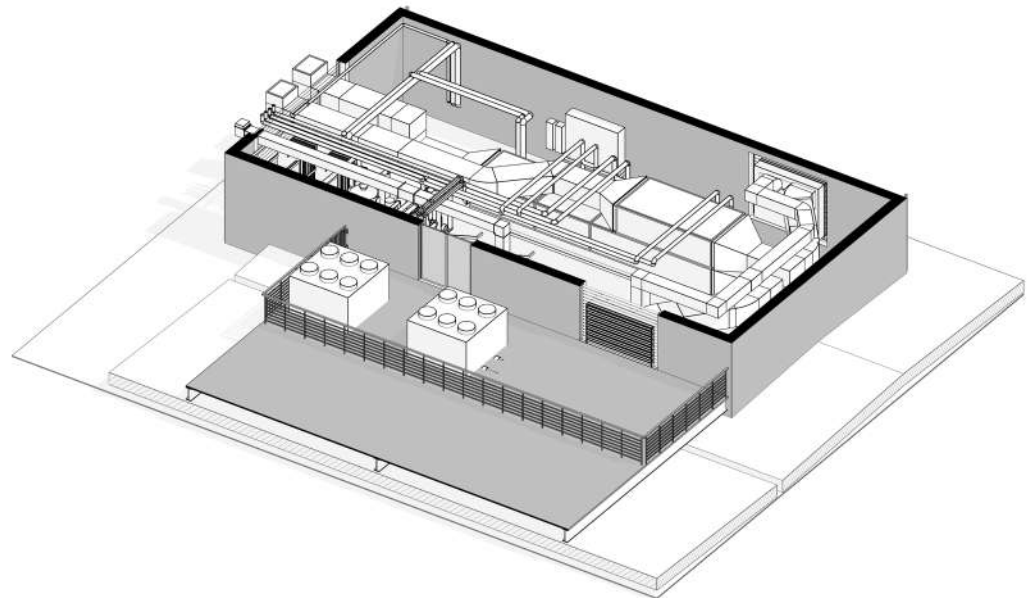
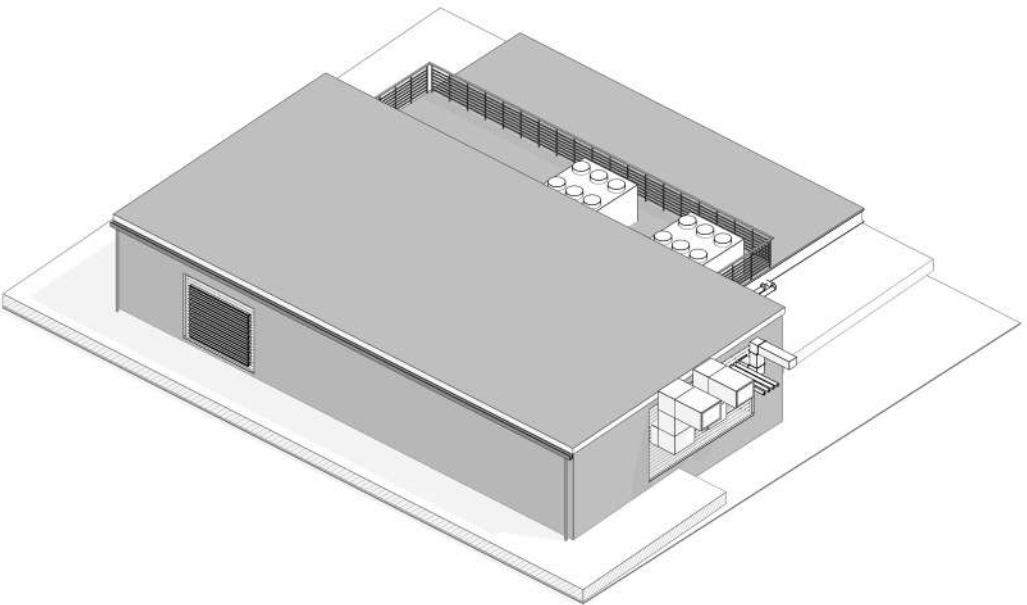
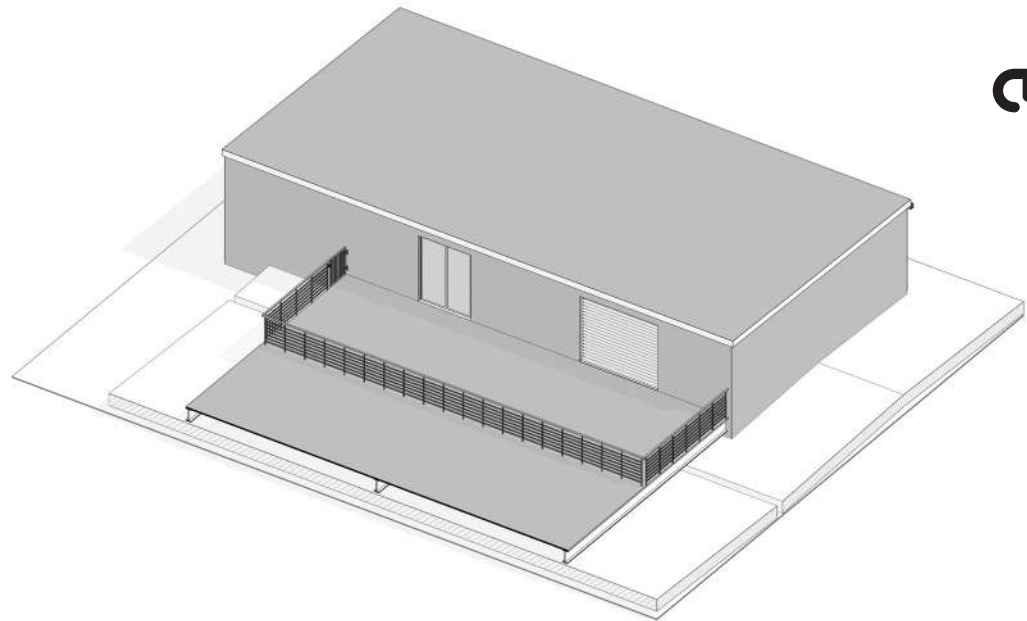
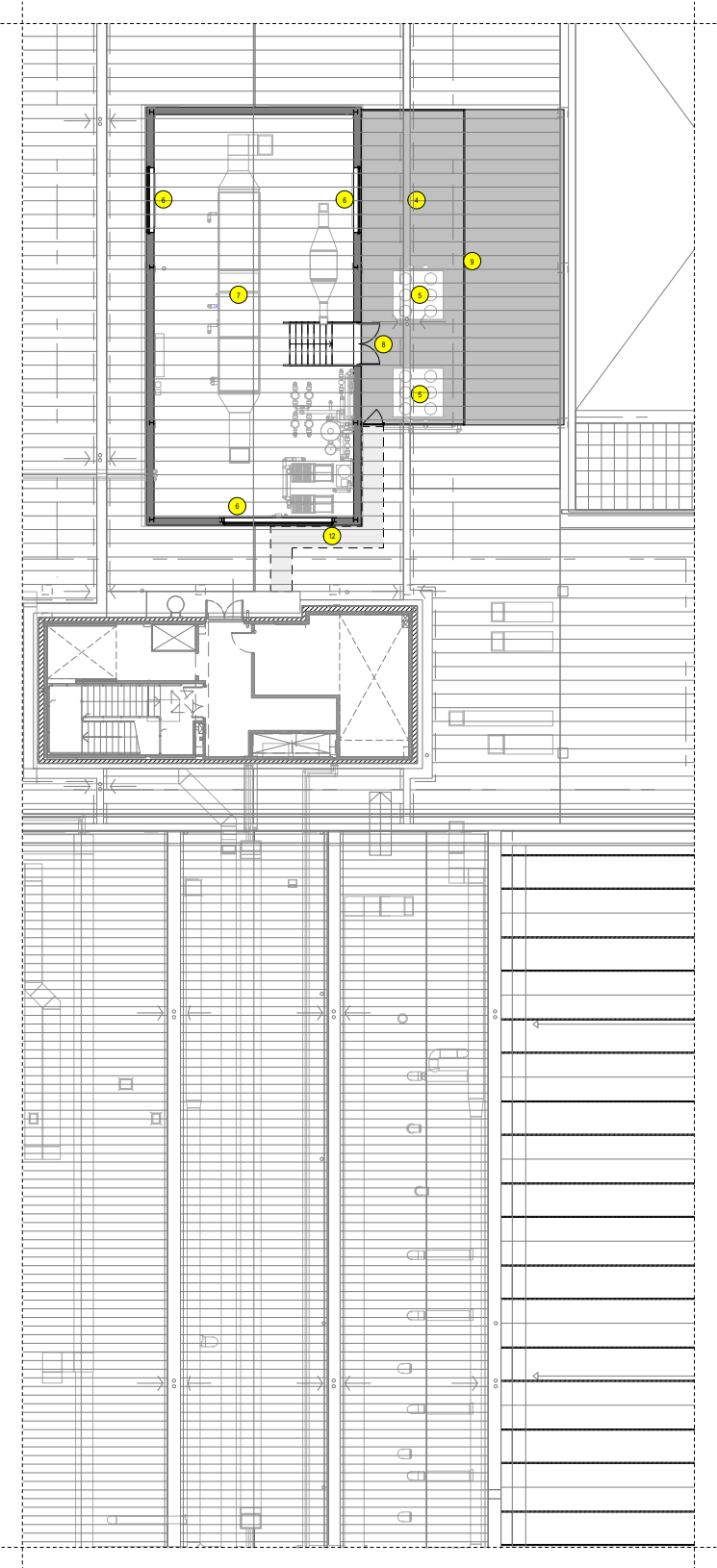


- 1 Grey metal enclosure to plant.
- 2 Grey metal sheet roofing with perimeter eaves metal capping, with removable access panel.
- 3 Grey UPVC gutter and rainwater pipes.
- 4 Open galvanised steel deck with slip-resistant finish to accommodate chiller units and crane, with access panels for maintenance of existing roof below.
- 5 Chiller units to Mechanical Engineer's recommendations.
- 6 Removable grey metal louvred openings with min 50% of free area, with internal insect/vermin mesh.
- 7 External services to Mechanical Engineer's recommendations.
- 8 Grey metal fully louvred double doors.
- 9 Metal guarding to perimeter of deck with matching gate.
- 10 Fresh Air Intake Exhaust
- 11 Exhaust Air Discharge
- 12 Access to Plant Room shown indicatively.

Images

Fig 18, 19. Plant room plan as proposed

Fig 20, 21, 22. Aerial view of the proposed plant room.



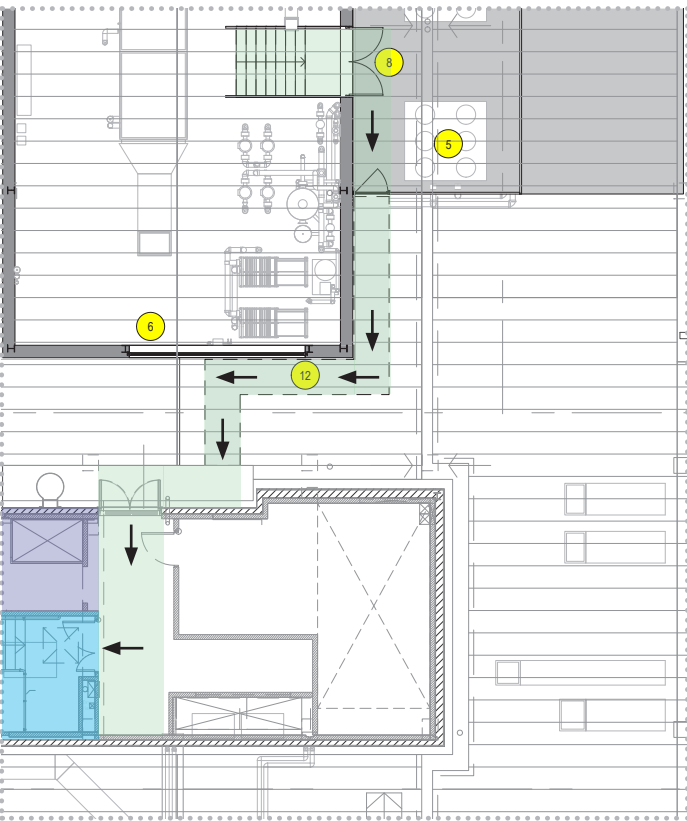
05 — Proposed Access Strategy



05 Proposed Access Strategy

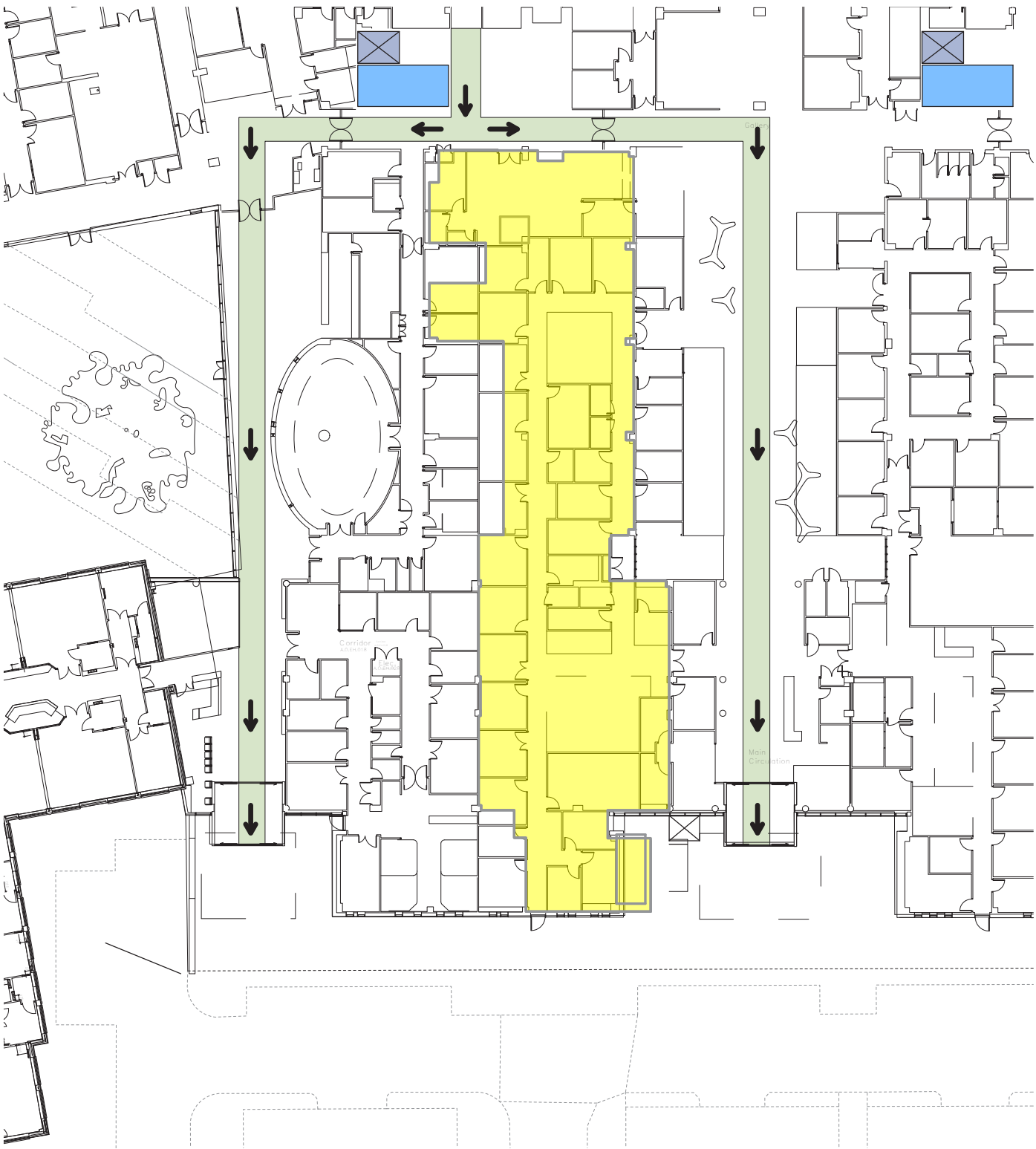
The proposed roof plant is to be accessed via the main stair core which provides access from ground floor to roof.

A provision of a raised access platform will be required at roof level as means of accessing the roof plant.



- Key:
- Existing lift core.
 - Existing stair core.
 - Proposed access / emergency exit route to roof plant room.
 - Area of Level 2 works to existing clinical office department.

Images
Fig 23, 24. Ground floor and roof plans. Proposed access strategy to roof plant room.

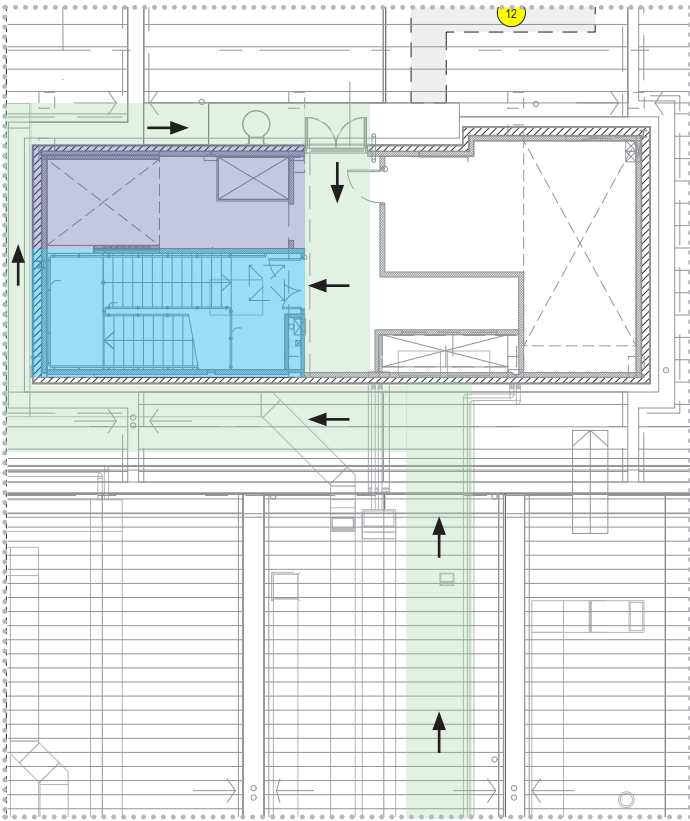




05 Proposed Access Strategy

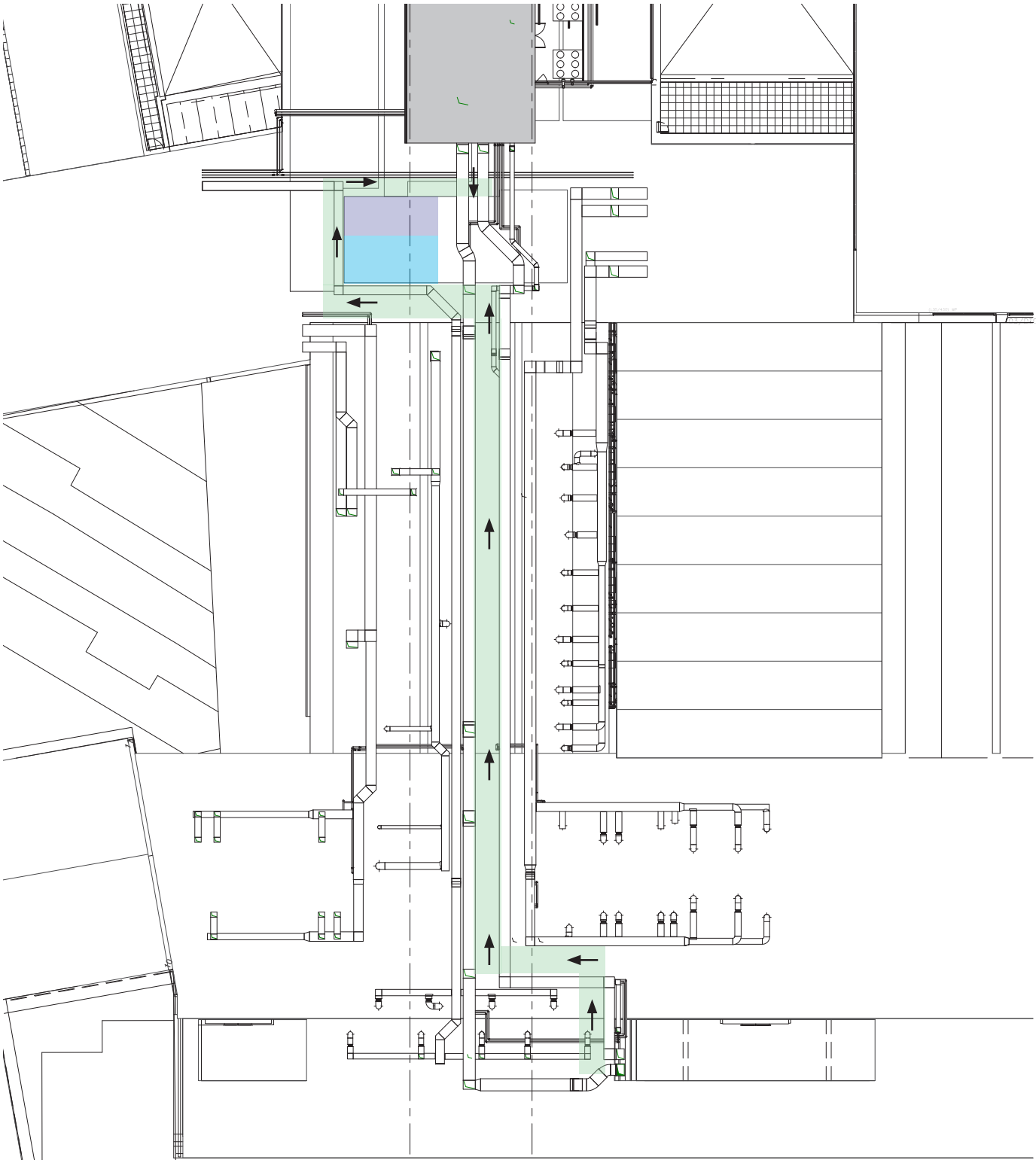
The proposed front services are to be accessed via the main stair core and existing access platforms leading to the front portion of the roof.

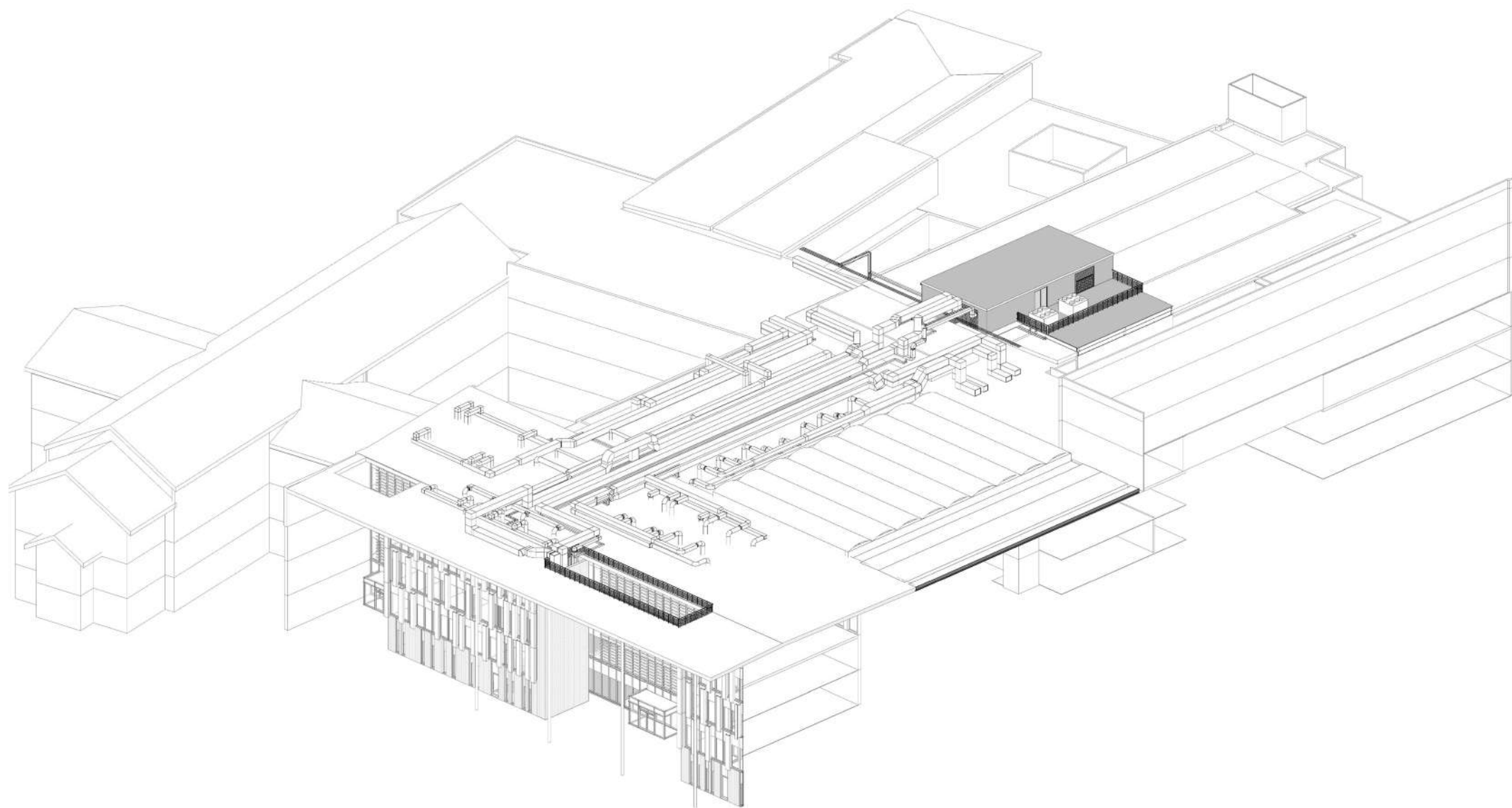
A provision of a raised access platform will be required subject to detailed technical design.



- Key:
- Existing lift core.
 - Existing stair core.
 - Proposed access / emergency exit route to roof plant room.

Images
Fig 25, 26. Roof plans. Proposed access / emergency exit route to front services enclosure.



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