

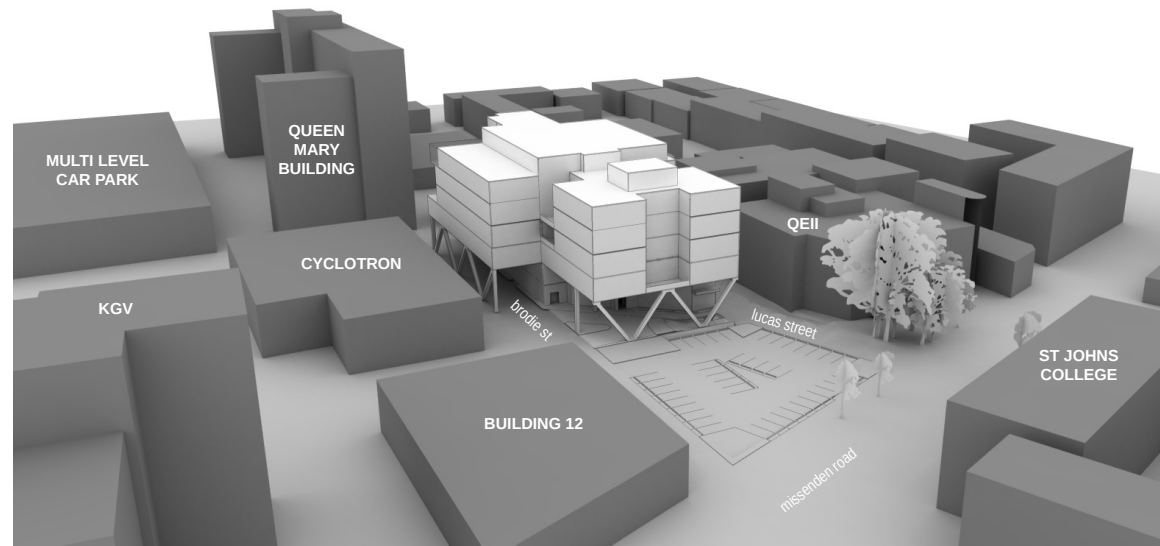


Fig. 3.1 3D Massing View 01

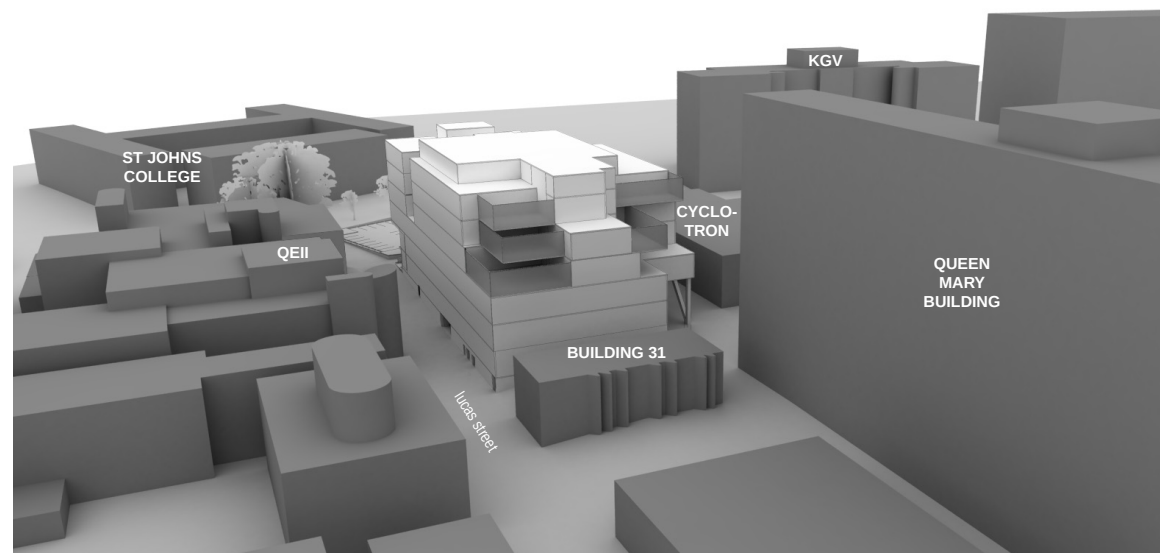


Fig. 3.2 3D Massing View 02

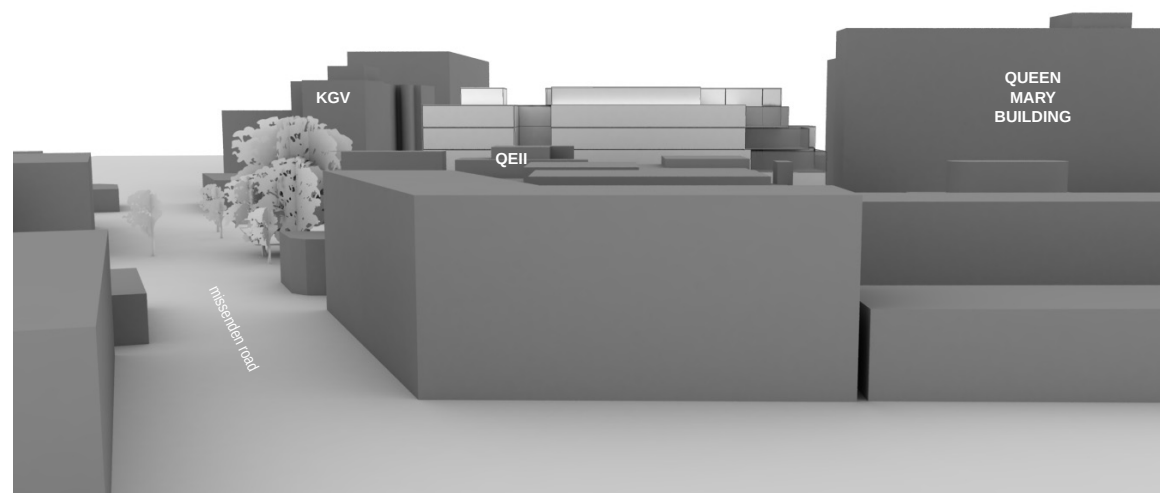


Fig. 3.3 3D Massing View 03

3.0 ARCHITECTURAL DESIGN STATEMENT

3.1 DESIGN PRINCIPLES

The design principles underpinning the proposed development are:

- Ensuring flexibility and adaptability in planning and future proofing of each floor level;
- Providing a building that is distinctive and a contribution to the North West Precinct of RPAH;
- Ensuring a positive urban design outcome that physically and visually connects Lucas Street, Missenden Road and Brodie Street;
- Adopting a rational design approach that allows the internal configuration and functional requirements of the accommodation to inform the building façade design (form follows function);
- To create a visual and material expression of the range of Units that comprise the building with variation in colour, texture and surface;
- Responding to the address of the building to Missenden Road to ensure an interesting and articulated expression;
- Supporting the break-up of the bulk and scale of the building together with facilitating light penetration into habitable and patient areas through incorporating voids and openings.

3.2 BLOCKING & STACKING - BUILDING FUNCTIONALITY

The table on the following page outlines the location of the accommodation per floor level.

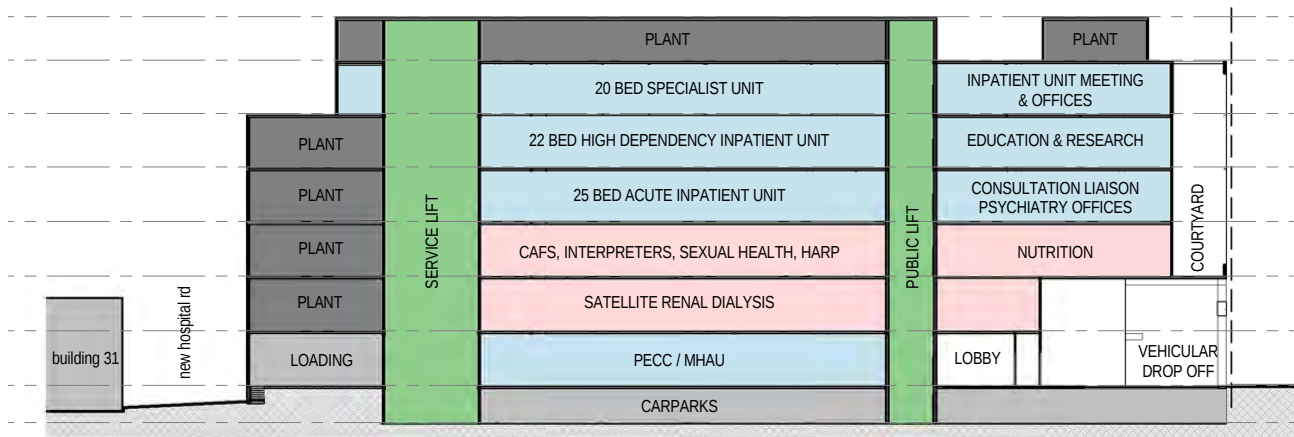


Fig. 3.3 Building Section

Level	Use	Unit
Lower Ground	CARPARK	Carparks
Level		Bicycle parking
		Male and Female Amenities/Showers
		Plant
		Storage
Ground Level	MENTAL HEALTH (AMBULATORY CARE)	Building Entry and Forecourt Mental Health Ambulatory Care (including Consultant Liaison) Mental Health Assessment Unit (MHAU) MHAU Secure Arrival Psychiatric Emergency Care Centre (PECC) – 6 beds Eating Disorders Day Program Physical Therapies Plant Loading Dock
Level 1	AMBULATORY CARE	Satellite Renal Dialysis Service: 36 Haemodialysis Chairs; 12 Home Haemodialysis Chairs; 6 Ambulatory Peritoneal Dialysis and Continuous Ambulatory Peritoneal Dialysis
Level 2	AMBULATORY CARE	Sexual Health Service: - Sexual Health Clinic; - Sexual Health Promotion; Multicultural HIV and Hepatitis C Services (MHAHS) HIV/AIDS & Related Programs (HARP) Administration Child and Family Health Services Interpreters & Language Services Community Nutrition Nutrition and Dietetics
Level 3	MENTAL HEALTH	Adult Acute Mental Health In-patient Unit – 25 beds Consultant Liaison Psychiatry Offices
Level 4	MENTAL HEALTH	Adult High Dependency In-patient Unit (HDU) – 22 beds Mental Health Education and Research
Level 5	MENTAL HEALTH	Specialist Mental Health Unit – 20 beds
Level 6	PLANT	Plant

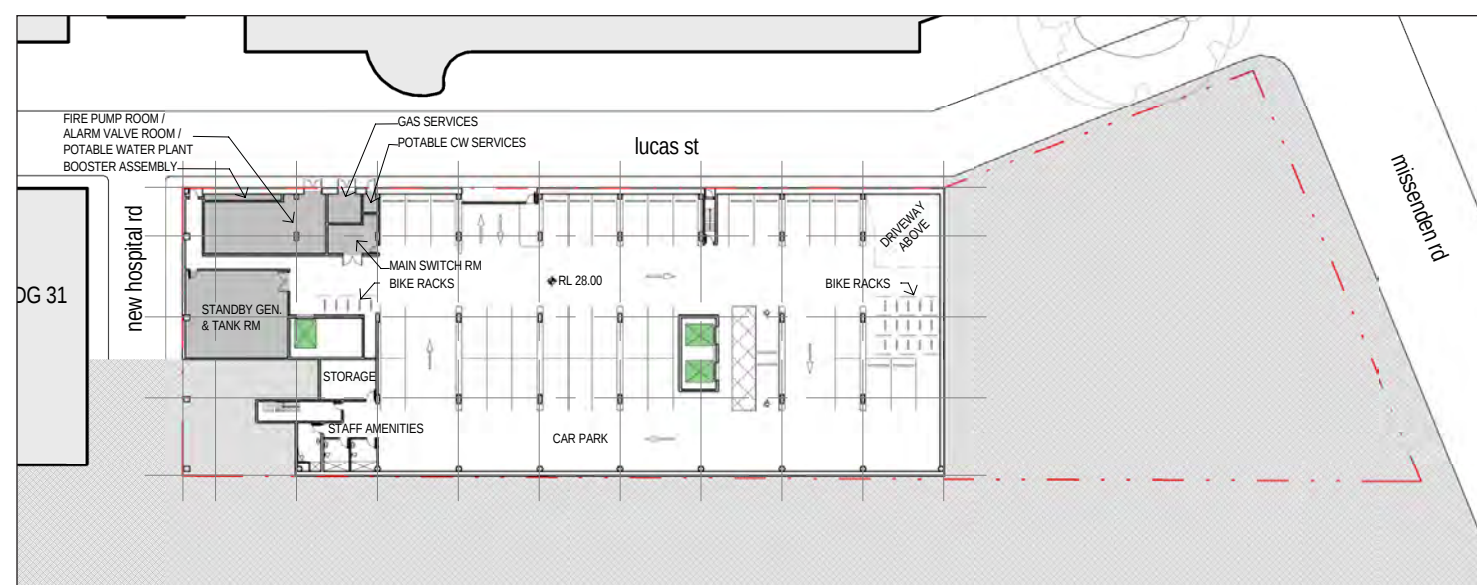


Fig. 3.4 Lower Ground Level Plan

Lower Ground Level

A carpark is provided at the lower ground level with an at grade access from Lucas Street. This carpark provides approximately 36 car spaces and 2 disabled car spaces predominantly for staff and service vehicles with some patient parking. Police, ambulance and service vehicles access the facility at ground level from Lucas Street or Brodie Street.

The lower ground level provides a 3 metre slab to slab height which places the ground level at RL31.00 and that enables access to the ground level of the building at natural grade from the south east corner of the site.

Two independent lift cores service the lower ground level; the east core provides patient access to all levels of the building and the west core provides independent access for staff.

Fire, electrical and hydraulic plant/services are located to Lucas Street and achieve access and operational requirements.

A storage enclosure is also provided within the basement carpark for equipment, literature and other bulky items that need to be frequently transported by the range of Ambulatory Care Units. This is located with close proximity to a loading zone to allow efficient drop-off and manoeuvring of these items.

Change areas, shower facilities and bicycle racks are provided for building occupants at lower ground level.

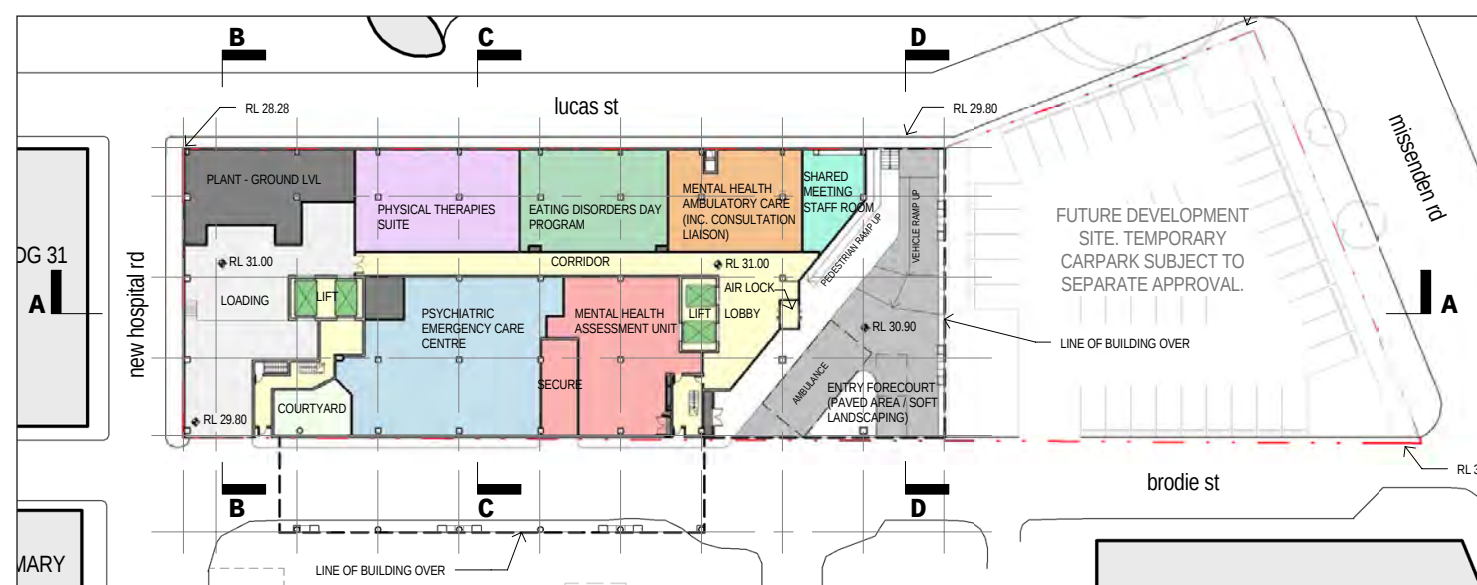


Fig. 3.5 Ground Level Plan

Ground Level

An entry forecourt links Lucas Street to Brodie Street and provides a physical and visible address to Missenden Road. Dedicated vehicular and pedestrian ramps are provided at Lucas Street, which is approximately 1.2 metres lower than the natural grade to Brodie Street. An ambulance bay is provided that allows direct access into the building lobby, as well as two patient short term vehicle drop-off bays.

The entry forecourt is contained within the footprint of the building above and provides a void space of approximate 9 metres, where the ground and first floor levels are setback within this zone. Hard and soft landscaping is incorporated into the design of the forecourt.

Large openings are provided to the ground and first floor level within the building entry and forecourt. This maximises light and views within the public spaces of the building and ensures an appropriate building address and presence.

A secured vehicle arrival point is provided for the Mental Health Assessment Unit. Police vehicles will access the secure arrival by reversing into the secured area from Brodie Street. The secured vehicle arrival point incorporates a screen/shutter device that will remain closed at all times.

A loading dock is located to the west portion of this level, with access provided from Brodie Street at RL29.80 the natural ground level at Brodie Street.

The ground level accommodates the Ambulatory Care component of the Mental Health Unit as well as the Mental Health Assessment Unit. The Mental Health Assessment Unit is the principal point of entry into the Missenden Mental Health Unit. The location at ground level ensures a safe transfer of patients, facilitates secured and walk-in areas, and allows public visibility to ensure the patient experience is welcoming and non-threatening.

Two independent lift cores service the ground level; the east core provides patient access to all levels of the building and the west core provides independent access for staff and to service the building. Within the east lift core, one lift allows prioritised access to the Mental Health Assessment Unit.

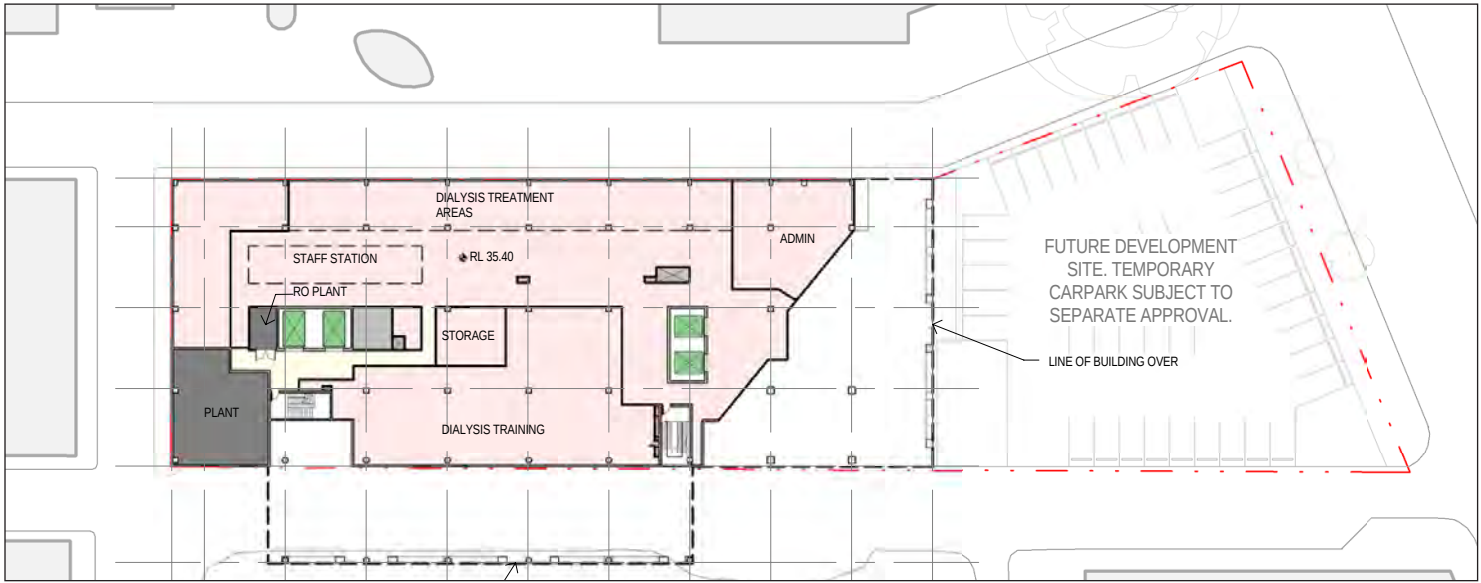


Fig. 3.6

Level 1

Satellite Renal Dialysis Unit

The floor provides accommodation for the Satellite Renal Dialysis Unit. Treatment spaces, training areas and office accommodation are located on the perimeter of the floor plate to allow access to natural light and views, whilst ancillary storage and plant areas are located within the centre of the building footprint to ensure secured, independent access.



Fig. 3.7 Level 2 Plan

Level 2

Ambulatory Care Units

Units are located to the building perimeter and with access to shared meeting and commons spaces.

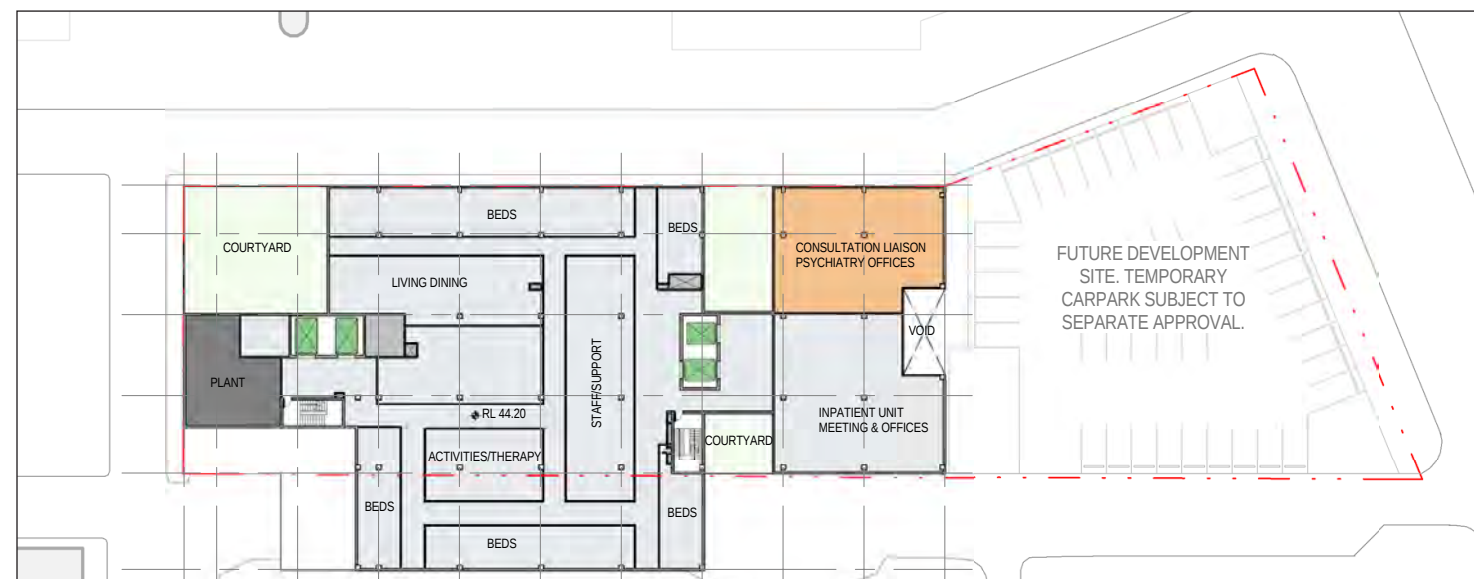


Fig. 3.8 Level 3 Plan

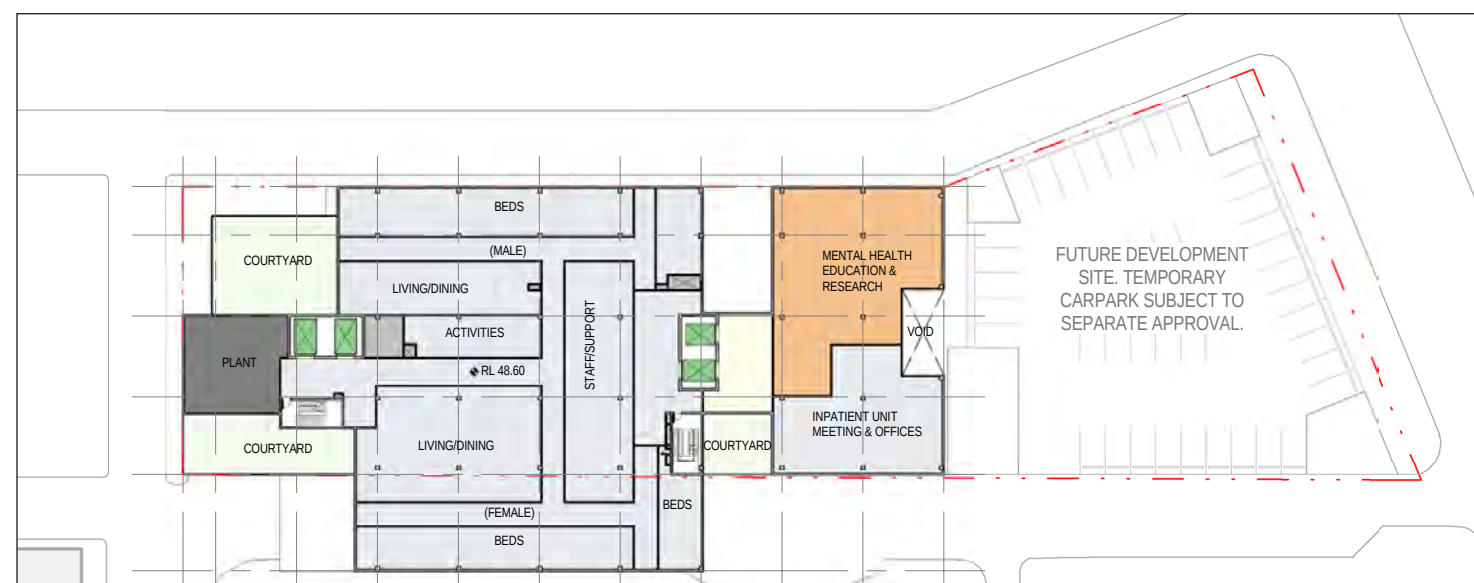


Fig. 3.9 Level 4 Plan



Fig. 3.10 Level 5 Plan

Level 3

Acute Mental Health Inpatient Unit

Level 4

High Dependency Mental Health Inpatient Unit

Level 5

Specialist Mental Health Inpatient Unit

The Mental Health Inpatient Units and Specialist Unit are located on the highest levels of the building to maximise access to daylight; to ensure amenity and a degree of separation from the other Units contained within the building. Levels 4 and 5 are likely to afford views over neighbouring QE2 Building to the North, and all Mental Health Units should afford views to the south west aspect. Patient bed rooms are located to the north and south perimeter to maximise these views and aspects.

The floorplate for each of the Mental Health levels are considered in three zones; patient accommodation, “public” meeting and interview zones, and office accommodation.

Courtyards are provided to the west within each of the Units with direct access to patient lounge and dining areas and ensure an inside/outside transitional zone.

3.3 BUILDING AND SYSTEM DESIGN

3.3.1 Structural grid

The design incorporates an 8.4 metre square structural column grid to ensure that a variety of clinical and health uses may be accommodated within the building. This ensures flexibility and adaptability in planning and futureproofing of each floor level.

3.3.2 Floor to floor heights

The building achieves floor to floor heights of 4.3 to 4.4 metres to allow flexibility should any alternate unit accommodation be required.

3.3.3 Façade, building envelope and materials

The design approach to the facade and building envelope considers the inherent expression of the building’s use and a legibility of the blocking and stacking configuration.

Large openings are provided to the entry forecourt to ensure a physical and visual connection to Lucas Street, Missenden Road and Brodie Street. The accommodation provided over the forecourt is typically of a public nature, and therefore the facade expresses full height glazing over two levels. Variety to the facade is introduced by staggering mullion widths and a variety of glazing panel types.

The Ambulatory Care accommodation, predominantly on Ground Level to Level 2, is expressed by infill wall spandrels with long horizontal windows to the finished ceiling height. This facade approach has been adopted as patient areas generally require a spandrel to the window sills to reticulate building services and to ensure flexibility for the necessary location of furniture and equipment. Window mullions are arranged on a modular grid that can anticipate future wall alignments. Light weight aluminium cladding is incorporated as the facade material to ensure high thermal and acoustic performance and low maintenance.

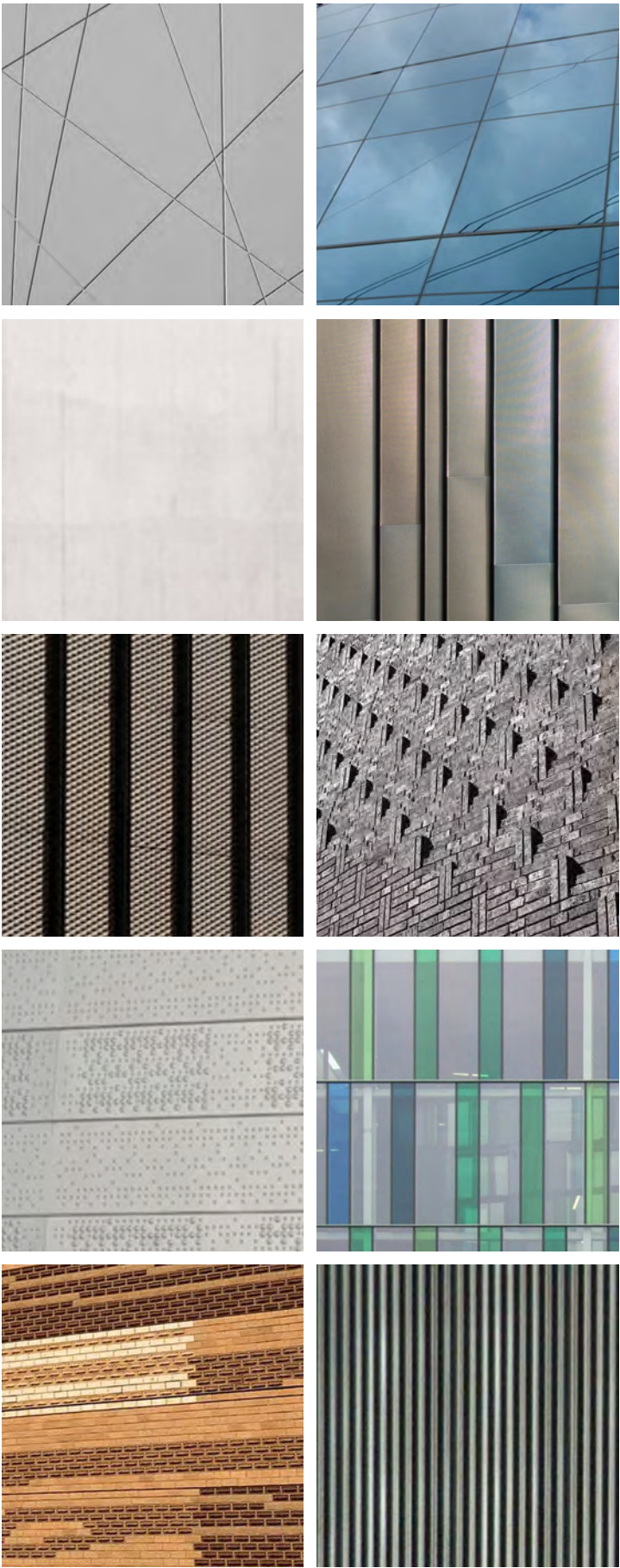


Fig. 3.11 Materials Palette



Fig. 3.12 View from Brodie Street

The Mental Health unit accommodation is expressed by cladding in horizontal striations that vary in colour, texture and pattern. This expression achieves a contrast to the aluminium cladding at lower levels and assists a “homely” and “warm” appearance; part of the briefed requirement of the Missenden Mental Health Unit. The openings are expressed by deep recesses which vary in size and articulation, but are based on a modular arrangement for each of the patient rooms.

The office accommodation contained within the east portion of the building on Levels 2-5 incorporates a glass curtain facade and patterned precast concrete. Voids are expressed to achieve light within the building floorplate and to assist in breaking the bulk and scale of the building at higher levels. The overall architectural concept is a box that has been “wrapped” then elevated, merging the unit accommodation to the west extent, and allowing a turning down of the “wrap” to transition to an exposed structural expression to denote the building entry.

The design of the proposed facility is a carefully crafted architectural response to a complex and diverse functional brief. The design of the building internally has had to accommodate specific areas for a variety of functional needs; from secure and private treatment spaces to open and welcoming areas for the public. The external expression of the building expresses the ‘build up’ of functions in the building and is mindful of the existing surrounding buildings and the potential for future development in the adjoining area.

The building’s architectural form is polite to its current neighbours and mindful of the need to relate to future developments whilst expressing an openness and an honesty in the expression of its purpose and built form.