

Royal Prince Alfred Hospital North West Precinct Redevelopment

PREFERRED PROJECT REPORT

Architectural Design Statement

Submitted to Department of Planning and Infrastructure
On Behalf of Health Infrastructure



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1.0 INTRODUCTION

This statement provides an overview of the key architectural elements that have been developed since the Project Application was submitted to the Department of Planning on 11 July 2012. These developments have occurred with consideration to detailed design; achieving functional accommodation requirements and with respect to the comments provided by City of Sydney.

This statement forms two components:

- An outline of the developed design and/or amendments with consideration to each floor level; and
- An architectural design approach statement to the building façade and material amendments, with consideration of each of the building elevations.

2.0 DEVELOPED DESIGN BY FLOOR LEVEL

2.1 Lower Ground Level

Accommodation: Carpark/Plant/Services/Amenities

Developed design / amendments as follows:

- General configurations and extent of building services;
- Configuration of the vehicle entry into the car park to incorporate boom gates and roller shutter; and
- Egress doors, access stairs and ramps have been setout to ensure that these elements do not encroach on the public domain.

2.2 Ground Level

Accommodation:

Building entry/lobby

Mental Health Assessment Unit and Secure Area

Short Stay Unit

Physical Therapies Unit

Eating Disorders Day Program

Mental Health Ambulatory Care

Shared Meeting/Staff Room

Vehicle Drop-off

Loading Dock

Developed design / amendments as follows:

- Positioning of new secondary building entry off Lucas Street which provides a setback to ensure visual prominence;
- Focusing the pedestrian entry towards Brodie Street which provides the most direct link to the main car park and main campus on Missenden Road;
- Providing a dedicated vehicular drop off area that is independent and separate to the pedestrian entry;

- Improved activation and transparency within the cantilevered section over Brodie Street;
- Psychiatric Emergency Care Centre is now called Short Stay Unit;
- The secure parking area that is associated with the Mental Health Assessment Unit has been relocated in order to accommodate the functional requirements of the Mental Health Assessment Unit; and
- Ramp access is provided to the Mental Health Assessment to achieve statutory compliance and negotiate the change in site levels.

2.3 Level 1

Accommodation: Satellite Renal Dialysis Unit

Developed design / amendments as follows:

- The east glazing extent is amended to align with the ground level accommodation and the incorporation of the dedicated Lucas Street entry;
- The extent of specific department accommodation within the Unit has varied in developing the design; and
- The location and extents of plant and storage has varied in developing the design.

2.4 Level 2

Accommodation: Ambulatory Care Units

Developed design / amendments as follows:

- The north perimeter incorporates indents to assist breaking down the visual bulk of the building and provide relief in the floor plate configuration; and
- The extent of each Unit within this floor level has varied to achieve the functional accommodation requirements.

2.5 Level 3, 4 and 5

Accommodation:

Acute Mental Health Inpatient Unit

High Dependency Mental Health Inpatient Unit

Specialist Mental Health Unit

Developed design / amendments as follows:

- The extents of specific areas within each Unit has varied to achieve the functional accommodation requirements; and
- The large indent provided to the north of the public lift lobby is no longer accommodated, due to the functional requirements of each of the inpatient Units. This has been alleviated in incorporating two indents to the north perimeter to provide light and amenity to the accommodation contained within the depth of the floor plate and to assist breaking down the building bulk. Similarly, open areas/living areas have been located on the building perimeter, central to the bedrooms and ensure relief within the planning of the floor plate and to assist in providing light and amenity.

2.6 Level 6 – Plant/Roof Plan

Level 7 – Roof Plan

Developed design / amendments as follows:

- The extent and configuration of the plant and equipment has been further developed; and
- Pitched roof design to both Level 5 roof and Plant roof.

3.0 ARCHITECTURAL DESIGN APPROACH TO FAÇADE AND MATERIALS

Outlined below is the architectural facade and material considerations with respect to each of the buildings elevations and address.

3.1 East Elevation (Missenden Road)



Figure 3.1.1 Visualisation looking from Missenden Road along Lucas Street

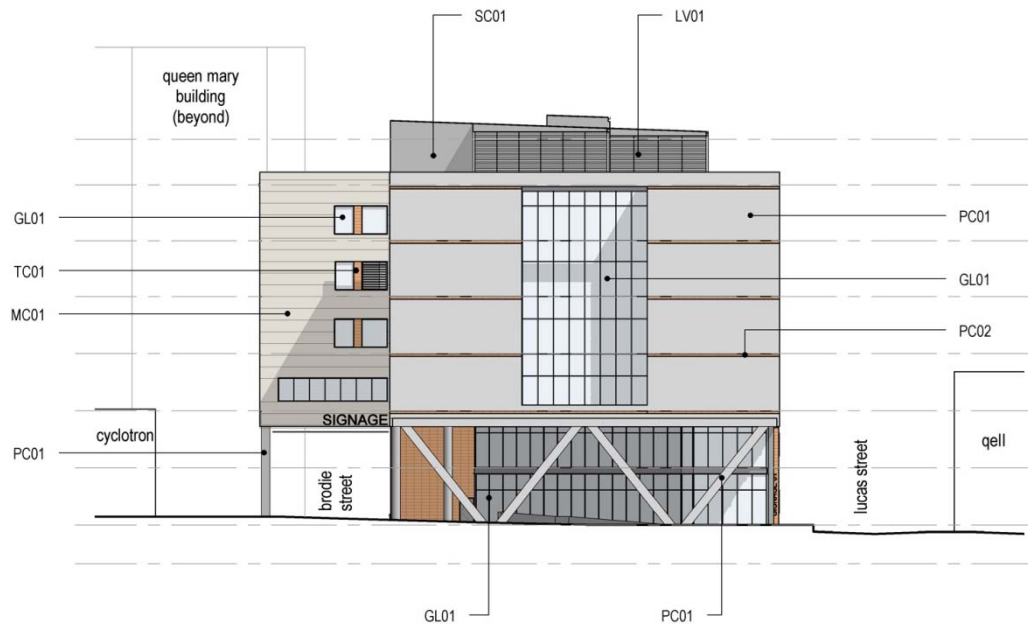


Figure 3.1.2 East Elevation

The predominant gesture is a large opening at higher levels where the office accommodation has been setback and incorporates extensive glazing. This setback has been provided with consideration to the future development site and the likeliness of the future building abutting the east extent of the building. The glazing is setback to achieve fire engineering requirements, as well as the potential for a light well from higher levels. In this respect, the elevation has been considered with a “temporary address” to Missenden Road, whereby any future development will conceal this extent of the building. Concrete is incorporated as the party wall material with an expressed natural pattern and texture.

At lower levels, the building extent is setback to accommodate the ambulance, police, patient transfer and patient vehicular drop-off. A concrete “V” structure has been adopted at lower levels to ensure a street address and visually elevate the office accommodation at higher levels. Large openings are provided to the vehicular drop off to ensure a physical and visual connection to Lucas Street, Missenden Road and Brodie Street. Full height glazing is provided to the accommodation adjacent the vehicle drop off to maximise access to natural light.

The portion of building that extends over Brodie Street predominantly accommodates the Mental Health Unit requirements and is expressed by aluminium composite panel cladding. The panels incorporate terracotta infill panel cladding to ensure a visual interest and a cohesiveness of the entire building composition.

3.2 North Elevation (Lucas Street)



Figure 3.2.1 North Elevation (Lucas Street)

The Ambulatory Care accommodation, predominantly on Ground Level to Level 2, is expressed by terracotta cladding tiles with long horizontal windows to the finished ceiling height. This facade incorporates infill spandrels to 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. The openings on first floor level are expressed by vertical fins that assist in modularity and generating depth to the overall elevation.

The Mental Health unit accommodation is provided at Levels 3 to 5 and is expressed by light weight composite panel cladding as the facade material. The cladding is expressed horizontally and openings are located with consideration to the perimeter accommodation, predominantly the mental health inpatient bedrooms. Whilst the opening sizes are relatively consistent, variety is added to this portion of the elevation in providing infill terracotta cladding of various striations within those openings. The west extent incorporates perforated sheet metal cladding to the mental health courtyards that allows filtered sun to penetrate the courtyard spaces.

The light weight composite panel cladding provides high thermal and acoustic performance; achieves a contrast to the terracotta cladding at lower levels and assists to break down the building bulk by changing the material expression.

The office accommodation contained within the east portion of the building on Levels 2-5 incorporates a glass curtain facade and terracotta cladding.

3.3 West Elevation (New Hospital Road)



Figure 3.3.1 West Elevation (New Hospital Road)

This elevation merges three functional arrangements of the building:

1. The courtyard spaces to the mental health inpatient accommodation;
2. The ambulatory care units; and
3. Plant areas

All plant and services have been carefully and deliberately positioned in a clear stacking to provide efficiency and reduction of service distribution runs within the building. The roof level plant has been setback from main facades to reduce visual bulk from courtyard areas.

The terracotta cladding tile system of the north elevation wraps around and terminates on the west elevation. The long horizontal windows are also continued into this elevation and window mullions are arranged on a modular grid that can anticipate future wall alignments.

The Mental Health unit accommodation on Levels 3-5 are setback from west elevation frontage and largely concealed by full height sheet metal screens of courtyard setbacks. Courtyards at the Lucas Street frontage are arranged to provide good views from this aspect of the building.

The lower ground visual treatment for the building comprises perforated sheet metal cladding and brickwork panels which will incorporate surface relief and interest.

3.4 South Elevation (Brodie Street)



Figure 3.4.1 South Elevation (Brodie Street)



Figure 3.4.2 Visualisation looking from Missenden Road looking along Brodie Street

This elevation mainly comprises the Mental Health Unit extension over Brodie Street, expressed by composite panel cladding. This is supported by the same concrete “V” structure adopted on main East Elevation, thus continuing the architectural language to this aspect of the building.

The lower level setback at Ground and Level 1 facilitates pedestrian and vehicular circulation along Brodie Street. A shared zone skirts the building perimeter to the edge of the concrete structure, adjacent to the existing Cyclotron Building.

The Ground Level Mental Health Unit located alongside the shared zone will be fitted with opaque glazing panels to provide privacy to this area. The adjacent Transfer area will be protected by Security grade roller shutter doors and controlled access.

The main public entry and circulation zone at Brodie Street is expressed as a half bay vertical glazed element with extensive natural lighting and careful detailing to articulate and highlight this important area of the building. This circulation zone runs through the building to the north elevation and articulates the transition between front office accommodation and rear hospital facilities. It adjoins and connects directly to the vehicle drop off area. This public area incorporates a palette of warm cladding and detail elements to provide a welcoming arrival area and to assist in allaying potential patient and public anxiety.