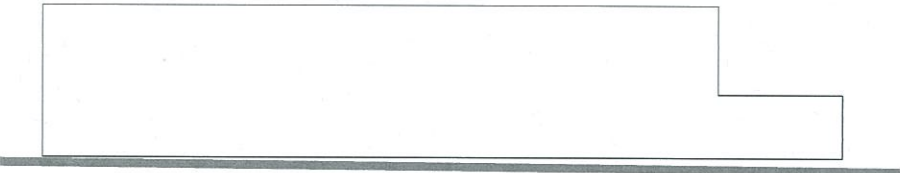


FACADE DESIGN

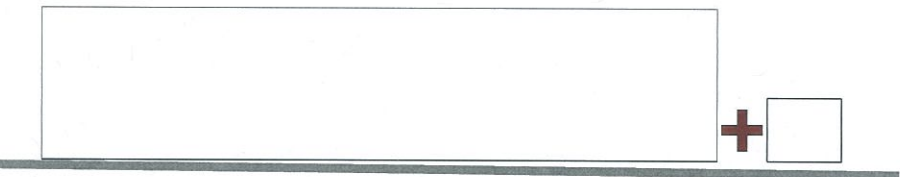
IDENTIFYING FORM

Taking cues from planning and setbacks, the building form is identified in two distinct forms. The two forms are treated different in material choice and design concept.

The dominate form is additionally articulated with a distinctive base and defined at each end with solid concrete stair cores



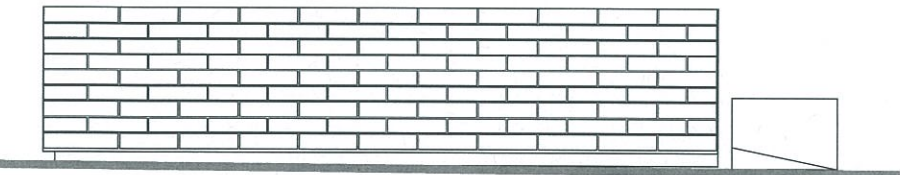
basic form



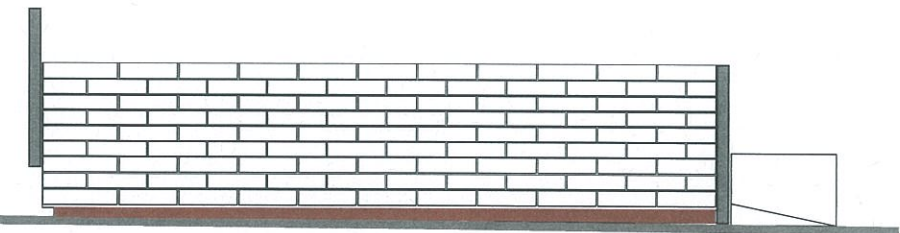
identifying two separate forms



treating two separate forms uniquely



modulating form



defining form

DESIGN EXCELLENCE

Fitzpatrick + Partners architects have collaborated with Cardno Engineers in the design of the RPA staff car park. Fitzpatrick + Partners are an award winning architectural practice who have demonstrated design excellence in their architectural designs since their establishment in 2002. Two recent examples include the Macquarie Bank building at King St Wharf and 33 Bligh office tower in the Sydney CBD. Both of these projects were won by Fitzpatrick + Partners in design excellence design competitions. Fitzpatrick + Partners have over recent years successfully delivered several car parks for Health Infrastructure including the Nepean Hospital car park at Penrith and the Wollongong Hospital carpark.

Fitzpatrick + Partners design for the RPA Staff car park facade has been designed to address the design excellence provisions as described in Clause 6.21 of the SLEP2012 with particular reference to design, materials, detailing, bulk, scale, modulation, amenity to the public domain, heritage and landscaping.

RESPONSE TO SITE

The building façade solution has drawn reference from the surrounding contextual material of brick, a dominate material of the area. The main portion of the façade is modulated into horizontal bands of 'bricks', staggered to create a running-bond effect, sitting on a defined base. Each "brick" is approximately 12.5m wide and curved to add additional depth of field. The overall effect reads as a visually interesting façade, adding rhythm and play along the long lengths of Lucas and Brodie Street façades. This strong banding is well suited to its surrounding context, relating to both QMB behind as well as the George V Memorial Hospital for Mother and Babies on Missenden Road. The curved ramps and external railings are homage to the Mother and Babies RPA building on Missenden Road.

Further visual interest in the façade is added through graduating the brick bands by colour; dark at the bottom fading to whiter shades at the upper levels. The graduation of colour also helps the reduction of bulk as the eye is drawn to the darker colours at the bottom of the development.



PROPOSED NORTH ELEVATION

LUCAS STREET ELEVATION



QUEEN MARY BUILDING NORTH ELEVATION

FACADE DESIGN

COLOUR SELECTION

The colours selected are sympathetic to the existing site context, giving immediate correlation to the existing streetscape. The strong base is a direct response to Marie Bashir; the main facade drawing from QMB.



MARIE BASHIR & QMB VIEWED FROM LUCAS ST



QMB CORNER

MATERIAL CHOICE

PERFORATED METAL The material choice has been selected for practicality, safety and security issues. It is a robust material requiring minimal continued maintenance. The façade is fabricated from perforated metal panels, specifically chosen to help facilitate reducing bulk. The perforations within the panels both reduce the scale of a single solid panel by introducing a visual depth of field to the façade.

Being a sheet metal product, the panels are also easily curved. This curve plays with the overall massing of the vessels through creating a 3 dimensional depth to what is in essence a flat façade. This three dimensional play with the form is further assisted with the adoption of a graduated colour palette on the perforated cladding.

The use of perforated metal achieves an open façade rate required for natural ventilation and natural surveillance while still achieving a safe enclosure that a person cannot throw objects, or themselves, from. Removing the need to mechanically ventilate the car park provides a more pleasant environment for the end user, minimising energy use and significantly reducing the associated acoustic pollution to adjacent residents of QMB, Chinese Consulate and permanent local residents.

CONCRETE The stair cores and curved vehicular entry ramps are used as highlights to add contrast and visual interest. The concrete relates to the QMB while providing an easily maintained facade for the client.

BRICK is used selectively along the building's base in order to help solidify the proposal's connection to the existing site without affecting open area rates.

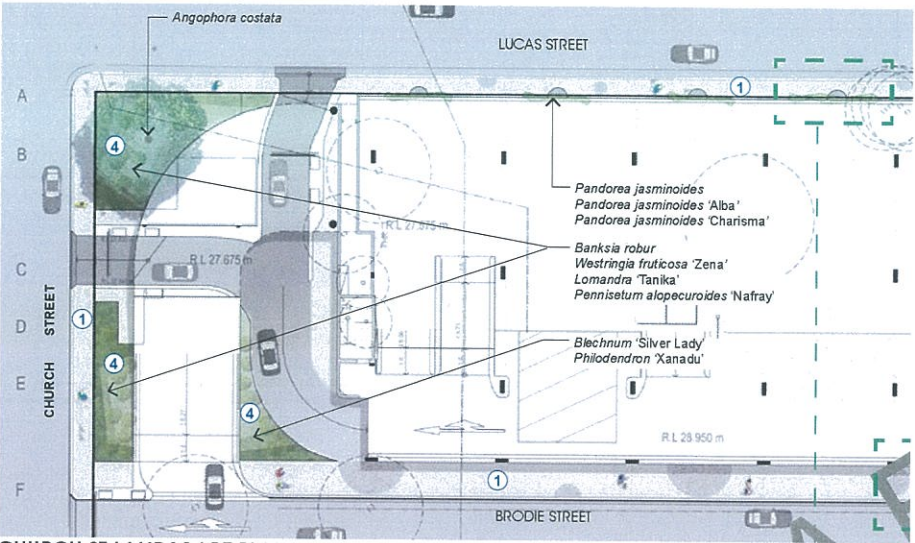
LIGHT SPILL

Light spill mitigation measures have been incorporated into the car park facade design to minimise the impact of car headlights on the adjacent Queen Mary building to the south.

These include the inclusion of solid aluminium panels behind the external skin at the critical points of potential light intrusion, being the top and bottom of the car park ramps on the typical floors

STREET AMENITY

The existing conditions provide limited amenity to the surrounding neighbourhood. Building 51 sits tight to the corner boundaries. By removing this building and softening the corner of Lucas and Church Streets, it provides greater openness and enhances the area. This corner zone is simply mounded, heavily planted with robust attractive grasses accented with a key tree feature. Ground level landscaping on the Lucas Street frontage has been designed to activate the street edge and enhance the visual impact of the staff car park.



CHURCH ST LANDSCAPE PLAN



PROPOSED FEATURE TREE

PERSONAL SAFETY

The personal safety of the staff using the car park is of paramount concern. Solutions have been adopted which attempt to minimise this issue, address the issues of potential vandalism to the structure and in turn address the four principles of Crime Prevention through Environmental Design. Such measures include:

- Natural Surveillance;
- The provision of an open internal layout with minimal obstructions where possible to provide simple over-viewing or casual surveillance of all spaces
 - A façade system that provides a high level of transparency
 - Façade system sealed from floor to floor, minimising potential fall points
 - Roof top high level parapet to minimise potential fall points.

Access control

- Minimal access points with a single vehicular access point on Brodie Street with boom gates and exit only on Church and Lucas Streets.
- A singular pedestrian entry point on New Hospital Road with a dedicated pathway from the entry to the lift core.
- Security cameras throughout

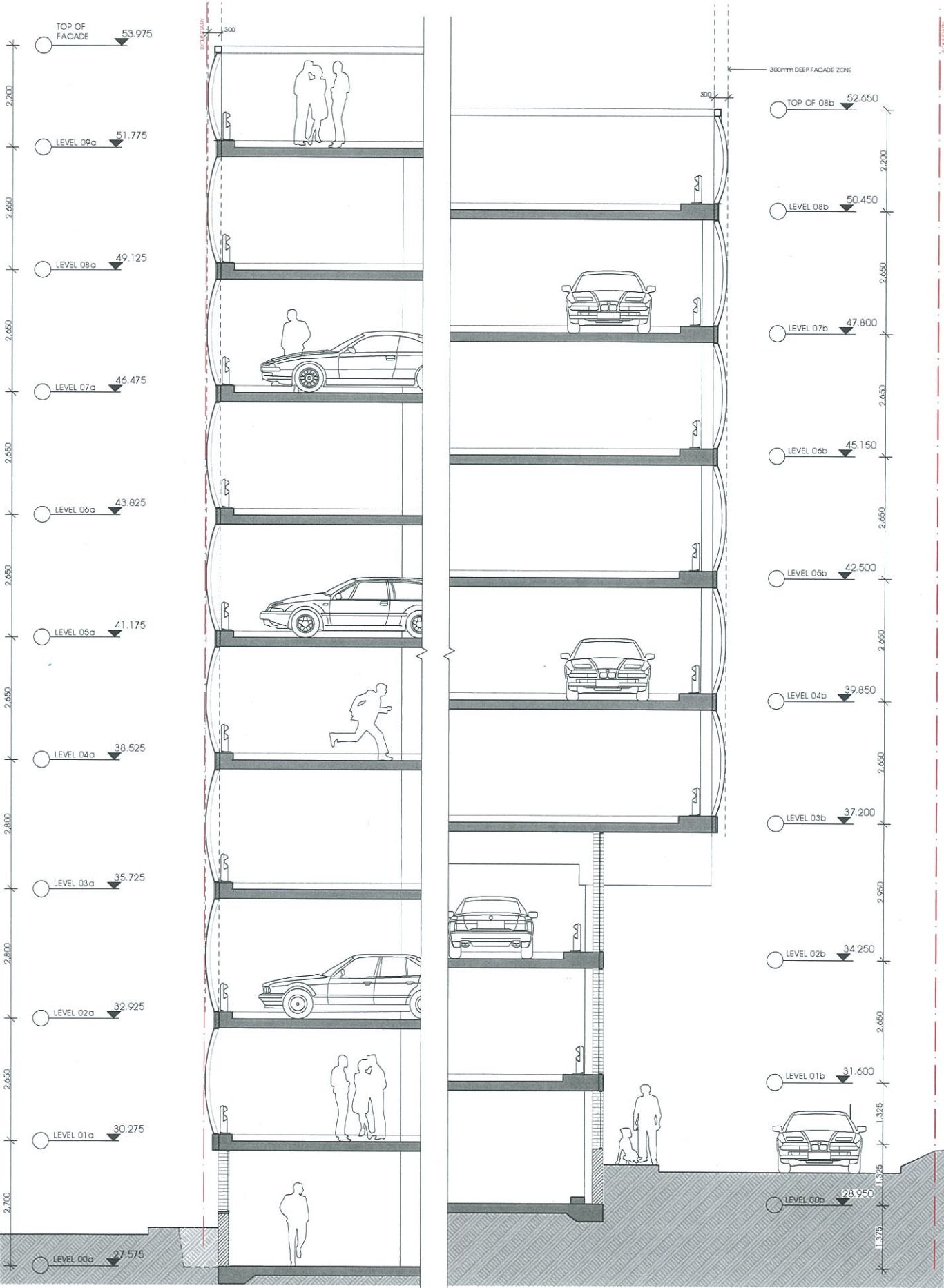
Space and Activity Management:

- Floor levels and parking bays clearly numbered and colour-coded.

Maintenance and general up-keep of the facility:

- The specification of durable and robust materials such as powder-coated aluminium, brick and concrete to minimise accidental and deliberate damage.
- Whilst the built form is of a significant scale, the careful articulation of the wrapping façade solution with a considered overlay of colour, perforation and curve successfully manages to visually reduce the impact of this bulk, producing a successful and function addition to the hospital precinct.

THE SOLUTION



16 SECTION THROUGH FACADE



LUCAS STREET

THE SOLUTION





FITZPATRICK + PARTNERS