

#### **PREPARED FOR**

#### Ranelagh Apartment Owners Corportation



#### **PREPARED BY**

#### **Edward Salib**

Senior Assocciate Scott Carver D +61 2 9957 3988 M +61 416 260 982

#### **Scott Carver Pty Ltd**

Level One, One Chifley Square, Sydney NSW 2000 +61 2 9957 3988

www.scottcarver.com.au

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#### **Scott Carver Pty Ltd**

Level One, One Chifley Square Sydney NSW 2000 Australia

#### **Edward Salib**

edwards@scottcarver.com.au +61 416 260 982

22 Feb 2021

# PROJECT 20190074 = RANELAGH APARTMENTS UPGRADE WORKS SEPP65 DESIGN STATEMENT

On behalf of Scott Carver Pty Ltd, I Edward Salib confirm that I have directed the design team for the project known as:

Name: Ranalegh Apartments redevelopment

Located at: 3-17 Darling Point Rd, Darling Point, NSW, 2027

The team is familiar with, and has worked to achieve the quality principles set out in Part 2 of State Environmental Planning Policy No 65- Design for Quality of Residential Flat Development.

Regards,

**Edward Salib** 

Principal | Registered Architect edwards@scottcarver.com.au

[Nominated Architects NSW] Rodney Paesler 5938, Doug Southwell 7362, John Ferres 4955, Nicholas Bandounas 8499, Edward Salib 9469, Thomas Hansen 9527, Carole Mahe 11092

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01

INTRODUCTION

# **INTRODUCTION**

# CONNECTION TO HISTORY / CONTEXT





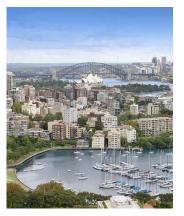




# CONNECTION TO E X I S T I N G









Ranelagh Apartments is an unique, 30 storey, luxury apartment complex set in 1.5 acres of beautifully maintained gardens at the southern end of Darling Point. Ranelagh offers residents an enviable lifestyle with spectacular views from every apartment, encompassing panoramic views of Sydney Harbour, the Opera House, the Harbour Bridge, the Heads and the entire Eastern Suburbs district.

The original Ranelagh building was built by Andrew Lenehan in the early 1850s at the southern end of Darling Point Road. The original house was built of stone and comprised three stories, the upper two featuring broad cast iron balconies on three sides. In order to break up the square uniform appearance that these balconies created, a false porch was built into the front facade of the main entrance. Andrew Lenehan remained at Ranelagh, which he named after a Dublin suburb, until 1864 when the house was occupied by company director and Parliamentarian, John Frazer During the early 1880s Ranelagh was occupied by another successful businessman, the financier and company director, James Ewan.

Politics and politicians played an important part in the life of Ranelagh. In 1885 Ranelagh became the home of Julian Emanuel Salomons, one of Sydney's most distinguished barristers.

The departure of Salomons from the house in the late 1880s brought to a close Ranelagh's golden age. By the turn of the century it had been converted into a boarding house under the ownership of a Mrs Barnett.

Ranelagh remained a guest house until at least the end of the 1950s but its age and the every-increasing need for land for home unit development meant that it had finally run out of time and was demolished to make way for the tower.

In 1967 a block of apartments designed by Mr Peter Rommel and was completed in 1969. It set a benchmark for apartment buildings in Australia and was the highest at the time. It was unique in its construction and appearance, and is reminiscent of the style of Australia's most famous architect, Harry Seidler.

The last 50 years however have rendered the building facade tired, and in need of renewal. The existing building is in a state of disrepair. The initial intention of the owner's corporation was to complete remedial works only to the facade, however following a thorough investigation it revealed this wouldn't suffice. Following this investigation, they concluded a more comprehensive vision was required. The proposed development outlines this vision including a new building façade, amenity upgrade and additional penthouse floor. The proposal aims to bring together the cultural history and significance of the site with a nod to the existing building aesthetic.

The following report outlines how the proposed development achieves this specifically in response to the 9 guiding principals of the SEPP 65.



02

SEPP 65
DESIGN
QUALITY
PRINCIPLES

# **Context & Neighbourhood Character**

## **SEPP Principle**

Good design responds and contributes to its context. Context is the key natural and built features of an area, their relationship and the character they create when combined. It also includes social, economic, health and environmental conditions.

Responding to context involves identifying the desirable elements of an area's existing or future character. Well designed buildings respond to and enhance the qualities and identity of the area including the adjacent sites, streetscape and neighbourhood. Consideration of local context is important for all sites, including sites in established areas, those undergoing change or identified for change.

### **Architectural Response**

Ranelagh is located at 3-17 Darling Point Road Darling Point NSW 2027; sitting on 1.5 hectares with thress existing structures.

- Ranelagh tower comprising of 30 stories of 127 strata subdivided residential apartments, with a single basement level, housing storage and plant areas.
- A 3-storey car park structure, with roof top parking deck.
- Trossachs Cottage Private residence that sits on its own strata title.

Surrounding the building is lush green gardens including an outdoor pool, and services and driveways associated with the carpark and entry. Materiality existing on the site is predominantly rendered concrete and exposed brick construction to the residential tower and carpark structure, with sandstone and shingle cladding to the cottage. The site has varying topography with a significant level change at the street boundary where a sandstone retaining wall fronts the street. A key asset to the site is the unobstructed views across all angels of Sydney Harbour that the apartments take advantage of.

The site is surrounded by predominately residential apartment buildings, and single dwelling cottage style homes to the East and West and further North. Directly North East of the site is the Ascham School and directly to the South are mixed used developments fronting New South Head Road.

There are also several heritage buildings within the locality, including The Glenrock and Dower house, at Ascham school, St Marks church rectory at 53 Darling point Rd, Former post office and interiors on the corner of New South Head Rd, a post modern building and interiors at 136 New South Head Rd and a concrete balustrade at the corner new South Head Rd and Darling point Rd.

All with varying distinguishing styles and materiality what ties these items together is the use of masonry construction with warm tones and finishes.

Another distiguishing factor that the tower plays into the conxt is that due to its existing height it is visible from several vistas as you approach the site. This was also considered in the design response and studied to understand how the tower is viewed.



1. RANELAGH TOWER

2. THE TROSSACS COTTAGE

3. RESIDENT CAR PARK

4. OUTDOOR SWIMMING POOL

**5. LANDSCAPED GARDENS** 

MIXED USE

RESIDENTIAL

SCHOOL

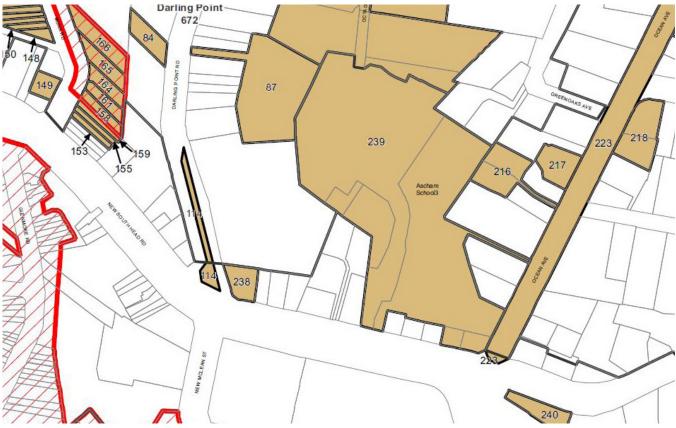
RETAIL / COMMERCIAL











HERITAGE MAP - LEP



114. CONCRETE BALUSTRADE, CORNER NEW SOUTH HEAD RD AND DARLING POINT RD



238. BUILDING AND INTERIORS, 136 NEW SOUTH HEAD RD



91. ST MARKS CHRUCH RECTORY, 53 DARLING POINT RD



239 . THE DOWER HOUSE, ASCHAM SCHOOL



239. THE GLENROCK, ASCHAM SCHOOL



240. FORMER POST OFFICE AND INTERIORS, CORNER OF NEW SOUTH HEAD RD



**VIEW STUDY OF RANELAGH TOWER IN ITS CONTEXT** 



1. NEW MCLEAN ST - LOOKING NORTH



3. DARLING POINT RD - LOOKING SOUTH



2. DARLING POINT RD - LOOKING NORTH



4. NEW SOUTH HEAD RD - TOWARDS CITY

## **Built Form & Scale**

## **SEPP Principle**

Good design achieves a scale, bulk and height appropriate to the existing or desired future character of the street and surrounding buildings.

Good design also achieves an appropriate built form for a site and the building's purpose in terms of building alignments, proportions, building type, articulation and the manipulation of building elements. Appropriate built form defines the public domain, contributes to the character of streetscapes and parks, including their views and vistas, and provides internal amenity and outlook.

## **Architectural Response**

The proposal does not alter the primary existing form and scale of buildings on the site.

Additional form is added to level 31 with the inclusion of a penthouse level. This additional form sits marginally outside the existing building envelope and has neglagible impact on surrounding developments and context.

Shadow studies are included in teh proposal to demonstrate the minor increase in shadow depth to the tower form. The adjacent diagram demonstrated the additional height proposed to accommodate the additional level while looking to provide good internal amentiy to the unit.

The additional form is setback off the existing parapet as reasonably possible to ensure that view of the existing structure and form remains the same.



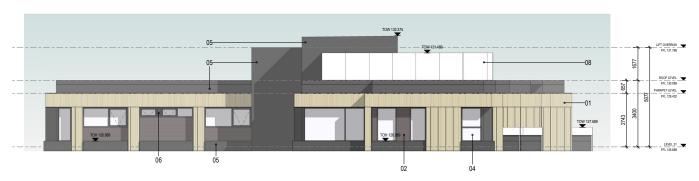
**PENTHOUSE LEVEL - NORTH WEST ELEVATION** 



**PENTHOUSE LEVEL - NORTH EAST ELEVATION** 



**PENTHOUSE LEVEL - SOUTH WEST ELEVATION** 



PENTHOUSE LEVEL - SOUTH EAST ELEVATION

TEAM

# **Density**

## **SEPP Principle**

Good design achieves a high level of amenity for residents and each apartment, resulting in a density appropriate to the site and its context.

Appropriate densities are consistent with the area's existing or projected population. Appropriate densities can be sustained by existing or proposed infrastructure, public transport, access to jobs, community facilities and the environment.

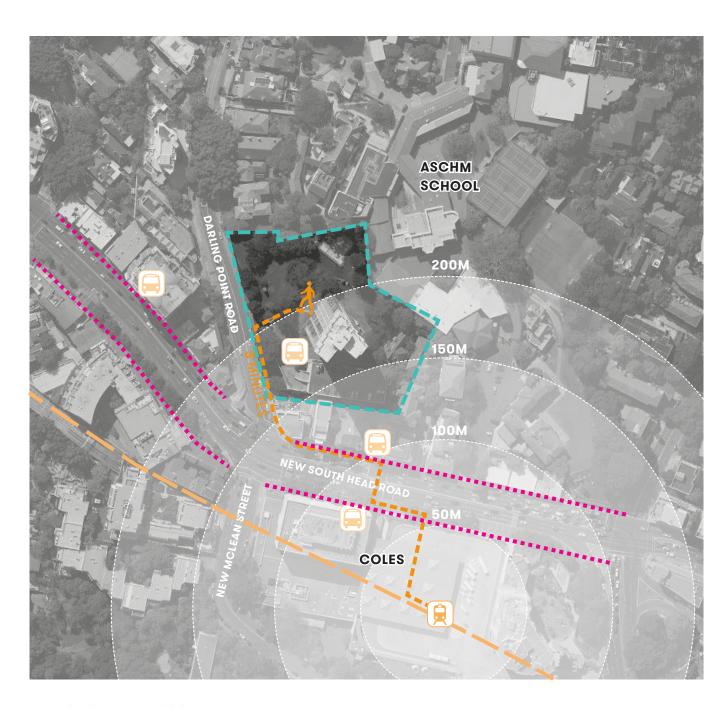
### **Architectural Response**

The proposal increases the existing density of the site marginally through the proposed penthouse level. Considering the local context and uses surrounding the site, including being in close proximity to shops / transport / schools, the additional dwelling is consitent with land uses and existing conditions.

The site itself includes various areas of amenity including an indoor pool / gym and sauna, and and outdoor pool and landscaped gardens.

The proposed penthouse level consideres internal amenity in its design, through the use of large living spaces and access to a private roof top terrrace.

Improvement to the existing amenity is also proposed in order to improve accessibility and the arrival experience of residence. This includes a new awning over the drop off area providing additional weather protection but also improving the awning height.



#### TRANSPORT AND LOCOAL AMENITY



TRAIN LINE



BUS STOPS



# Sustainability

## **SEPP Principle**

Good design combines positive environmental, social and economic outcomes. Good sustainable design includes use of natural cross ventilation and sunlight for the amenity and liveability of residents and passive thermal design for ventilation, heating and cooling reducing reliance on technology and operation costs. Other elements include recycling and reuse of materials and waste, use of sustainable materials, and deep soil zones for groundwater recharge and vegetation.

#### **Architectural Response**

Multi residential developments in high to medium density areas require intelligent design solutions to enable them to align with the guiding principles of the Apartment Design Guide.

While the development is existing, the proposed changes to the development adopt several environmental initiatives, and are designed to encourage sustainable practices.

#### Facade upgrade.

The new facade provides an optimal solution for residents and the building with considerations to longevity and improved performance. Recladding the building was measured against a base option of remedial works only. It was concluded that a facade upgrade was the best result for the building and site. The new facade option will provide improved thermal performance to units, measured against BASIX requirements. The dominant material for the cladding is proposed to be an extruded ceramic in vitrified porcelain. This was chosen based on low maintenance and long life cycle due to its hard wearing properties. The material also does not contain volatile organic compounds.

#### **Additional penthouse Level**

The penthouse is located and oriented to maximize liveability and opportunities for passive thermal design. With living areas facing North and to the dominant views of Sydney Harbour. Taking up a whole floor there is ample opportunity for cross ventilation and daylight amenity. The external envelope has been developed in line with BASIX compliance to minimize energy use and maximize efficient use of resources, appliances are to be provided and installed to ensure appropriateness and efficiency and specfied fixtures are to comply with water-saving requirements. Low-energy use and a durability of design and construction give each project a sustainable basis. Construction will use a lightweight structural frame, with non-loadbearing internal walls providing opportunities for insulation. This also allows for a degree of adjustability during the life cycle of the building.

#### **Accessibility upgrade**

Improving accessibility to residents through enhanced accessibility between the main tower and carpark levels, improving the liveability of residents and catering to a wider demographic.

#### **Porte Cochere**

The new drop of entry looks to enhance the landscape through the additional of planers and improved landscaping to the existing roundabout.

SUCCESSFUL

NON-SUCCESSFUL

PARTIAL SUCCESS 0





CRITERIA	
WARRANTY	
INDICATIVE SERVICE LIFE	
DESIGN LIFE	
NAMEDIANOS	

MAINTENANCE MODERNISING 0 CONSTRUCTABILITY Χ DURABILITY 0 OPERATIONAL IMPACT 0 **PROGRAM** Χ 5 YEARS

**OPTION 1A - BASE** 5 YEARS UNKNOWN UNKNOWN

**10-15 YEARS 25 YEARS 50 YEARS 3 YEARS** 

**PREFERRED OPTION** 

# Landscape

### **SEPP Principle**

Good design recognises that together landscape and buildings operate as an integrated and sustainable system resulting in attractive developments with good amenity. A positive image and contextual fit of well designed developments is achieved by contributing to the landscape character of the streetscape and neighbourhood.

Good landscape design enhances the development's environmental performance by retaining positive natural features which contribute to the local context, coordinating water and soil management, solar access, microclimate, tree canopy, habituate values, and preserving green networks. Good landscape design optimizes usability, privacy and opportunities for social interaction, equitable access, respect for neighbours' amenity, provides for practical establishment and long-term management.

#### **Architectural Response**

The existing site includes large landscaped garderns that form part of the residential amenity. these gardens have a continuing maintenance reigeme and are a key feature of the site.

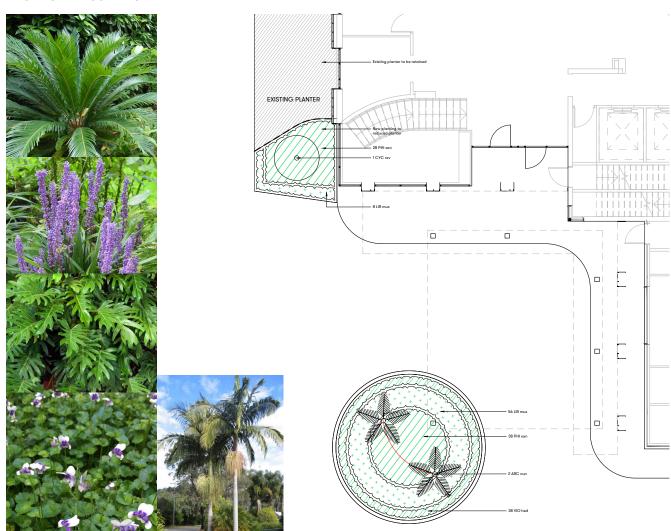
Additional landscaping is proposed around the entry porte corchere area. Species and type are selected to be complimentary to the existing.







**EXISTING LANDSCAPING** 



PROPOSED LANDSCAPE TO PORTE CORCHERE AREA

# **Amenity**

#### **SEPP Principle**

Good design positively influences internal and external amenity for residents and neighbours. Achieving good amenity contributes to positive living environments and resident wellbeing.

Good amenity combines appropriate room dimensions and shapes, access to sunlight, natural ventilation, outlook, visual and acoustic privacy, storage, indoor and outdoor space, efficient layouts and service areas, and ease of access for all age groups and degrees of mobility.

### **Architectural Response**

The site contains several existing shared amenity zones including an indoor pool / gym and spa, and an outdoor pool and landscaped gardens.

As poart of the facade works it is intended to improve the existing amenity by improving the outlook and views where possible by removing the existing spandrel panel.

The proposed additional penthouse floor includes oversized living areas and bedrooms that are in keeping with a high end offering that capatalises on the breathtaking views of Sydney harbour. Occupying an entire floor the unit is able to maximise access to sunlight, daylight and natural ventilation. A rooftop terrace is proposed to provide ample outdoor space that again is able to capatalise of outlook and views.

Part of the proposal is to improve accessibility for residences with a new lift proposed that links all car park levels. A part of this works is an accessible ramp that provides a pathway to a traversable portion of the existing driveway that would lead you to the main entry. Signage and line marking will also form a part of these works and will be developed further in the design development phase of the project.

A new porte cochere is also proposed. An increase in height from the existing awning will allow for larger vehicles including a mini bus to be able to park at the building entry with the additional covered area providing enhanced weather protection and the opportunity for multiple vehicles to park at the same time.



INDICATIVE INTERNAL VIEW WITH SPANDREL PANEL REMOVED



PROPOSED WINDOWS TO REMOVE SPANDREL IN ORANGE



PROPOSED PORTE COCHURE UPGRADE



PROPOSED LIFT / AWNING AND ACCESS RAMP TO EXISTING CARPARK

# Safety

## **SEPP Principle**

Good design optimizes safety and security, within the development and the public domain. It provides for quality public and private spaces that are clearly defined and fit for the intended purpose. Opportunities to maximise passive surveillance of public and communal areas promote safety.

A positive relationship between public and private spaces is achieved through clearly defined secure access points and well-lit and visible areas that are easily maintained and appropriate to the location and purpose.

## **Architectural Response**

No change to existing security solution and surveillance.

# **Housing Diversity & Social Interaction**

# **SEPP Principle**

Good design achieves a mix of apartment sizes, providing housing choice for different demographics, living needs and household budgets.

Well designed apartment developments respond to social context by providing housing and facilities to suit the existing and future social mix. Good design involves practical and flexible features, including different types of communal spaces for a broad range of people, providing opportunities for social interaction amongst residents.

### **Architectural Response**

Na - only 1 additional apartment proposed.

Generally the existing units offer a diverse range of 1 / 2 and 3 bedroom apartments.

## **Aesthetics**

## **SEPP Principle**

Good design achieves a built form that has good proportions and a balanced composition of elements, reflecting the internal layout and structure. Good design uses a variety of materials, colours and textures.

The visual appearance of well-designed apartment development responds to the existing or future local context, particularly desirable elements and repetitions of the streetscape.

### **Architectural Response**

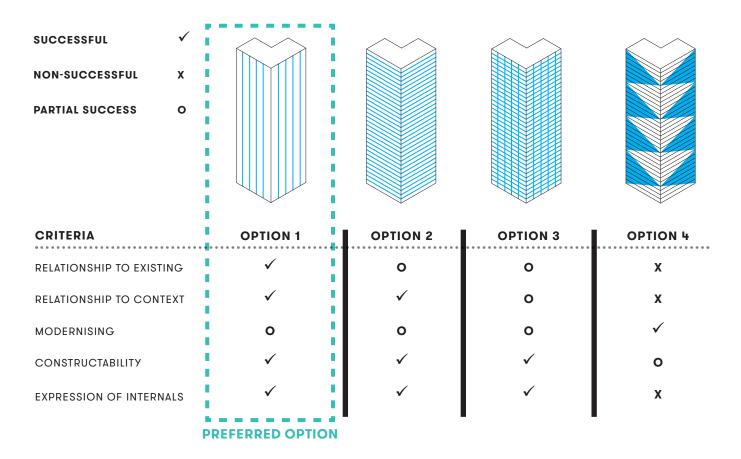
A concept was developed where the Ranelagh building can be divided into two distinct sides. The northern side, that celebrated the spectacular views to the harbour and the southern side that communicates more to the context.

Thus, there were three main conepts that were accentuated in the desingn:

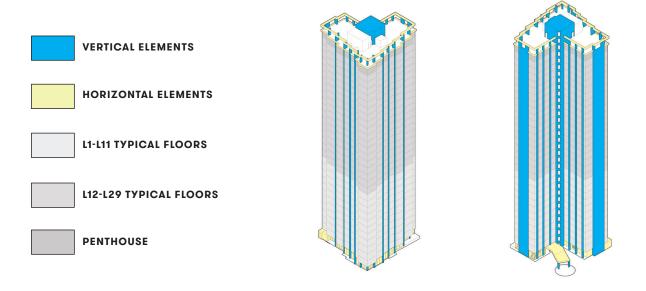
- Views: increase and frame the northern views to the harbour
- · Context: strengthen relationship with the context by increasing the solidity of the southern façade
- Heritage: pick up on materiality cues from the surrounding heritage buildings



Once the direction of a new facade was confirmed several studies where undertaken with regards to facade expression. Option 1 was chosen as it best related to the context and the existing Ranelagh aesthetic.



The concept and verticality was applied to the facade. Existing building elements where identified to translate this expression across the existing building.



The proposed materials to the facade followed on from the previous concepts with an identified palette that responded to the context and existing features of the site. These were:





MASONRY, SOLIDITY
AND HEAVINESS





**EXISTING FORM** 





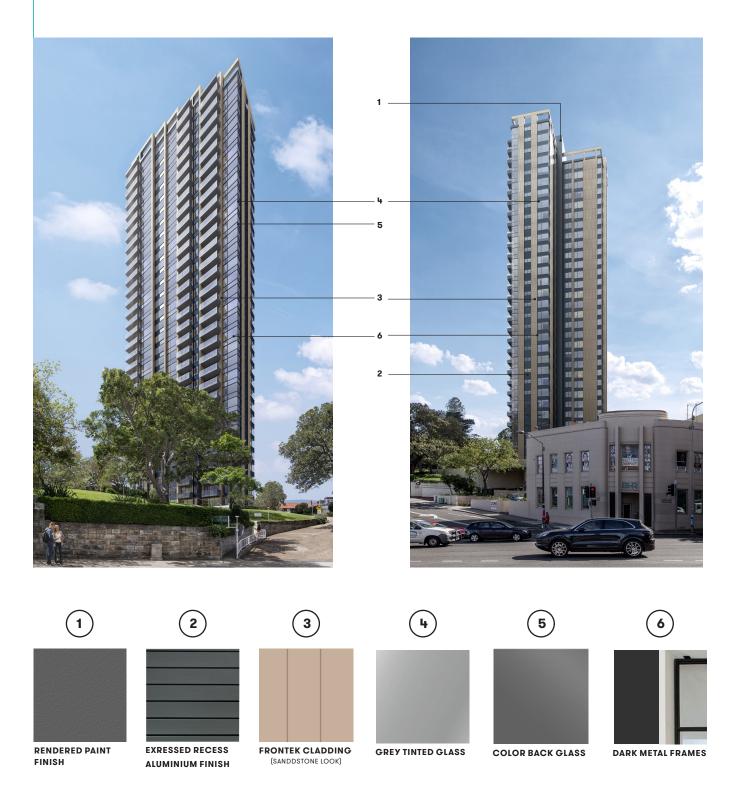
**TEXTURED** 





**NATURAL FEATURES** 

Materials folliwing these concepts were then selected based on these concepts and applied to desired form and expression of the proposed facade. The changinging materials highlighted the vertical expression of the building with the more dominant material of the frontek cladding and allowed recessed materials to be simpler in aesthetic and selection.





03

SEPP 65
ADG RESPONSE TABLE

access of neighbours, building separation should be increased beyond minimums

contained in section 3F Visual privacy.

P - 34

N/A

Overshadowing should be minimised to the south or downhill by increased upper level setbacks.	Overshadowing minimised, through the setback of penthouse glazing and walls from behind the existing level 31 hob and roof parapet line.	YES
It is optimal to orientate buildings at 90 degrees to the boundary with neighbouring properties to minimise overshadowing and privacy impacts, particularly where minimum setbacks are used and where buildings are higher than the adjoining development.	N/A	N/A
A minimum of 4 hours of solar access should be retained to solar collectors on neighbouring buildings.	No solar collectors visible on neighbouring buildings.	N/A

#### **3C Public Domain Interface** 3C-1 **Objective:** Transition between private and public domain is achieved without compromising safety and security. Comments Consistency **Design Guidance:** N/A - existing condition, additional apartment Terraces, balconies and courtyard apartments should have direct street entry, where proposed in tower. N/A appropriate. N/A Changes in level between private terraces, front gardens and dwelling entries above the street level provide surveillance and improve visual N/A privacy for ground level dwellings. All existing balconies are retained. The introduction Upper level balconies and windows should overlook the public domain. of new glazing is setback, aligning to existing glazing positions. These existing balconies and new glazing line overlooks the public domain. New penthouse YES balconies in most caeses have been positioned to align with balacony placment at lower levels. These balonies face the street and overlook the public domain. N/A Front fences and walls along street frontages should use visually permeable materials and treatments. The height of solid fences or walls N/A should be limited to 1m. Length of solid walls should be limited along street N/A frontages. N/A N/A Opportunities should be provided for casual interaction between residents and the public domain. Design solutions may include seating at N/A building entries, near letter boxes and in private courtyards adjacent to streets. In developments with multiple buildings and/ N/A or entries, pedestrian entries and spaces associated with individual buildings/entries should be differentiated to improve legibility for residents, using a number of the following design solutions: N/A architectural detailing; changes in materials; plant species; colours.

	Opportunities for people to be concealed should be minimised.	The penthouse proposes balconies & windows that overlook the surrounding site, building entry and street, providing passive surveillance. The position and type of window glazing to the penthose will allow for the appropriate concealment of residents.	YES
3C-2	<u><b>Objective</b></u> : Amenity of the public domain is retained an	d enhanced.	
		Comments	Consistency
<u>Desig</u>	n Guidance:		
	Planting softens the edges of any raised terraces to the street, for example above subbasement car parking.	N/A	N/A
	Mail boxes should be located in lobbies, perpendicular to the street alignment or integrated into front fences where individual street entries are provided.	N/A	N/A
	The visual prominence of underground car park vents should be minimised and located at a low level where possible.	N/A	N/A
	Substations, pump rooms, garbage storage areas and other service requirements should be located in basement car parks or out of view.	N/A	N/A
	Ramping for accessibility should be minimised by building entry location and setting ground floor levels in relation to footpath levels.	Accessibile ramps and lift core to carpark is introduced as minimalistic as possible as existing carpark is void of any accessibility routes.	YES
	Durable, graffiti resistant and easily cleanable materials should be used.	Appropriate materials have been submitted with the development application and are considered satisfactory.	YES
	Where development adjoins public parks, open space or bushland, the design positively addresses this interface and uses a number of the following design solutions:  street access, pedestrian paths and building entries which are clearly defined;  paths, low fences and planting that clearly delineate between communal/private open space and the adjoining public open space;  minimal use of blank walls, fences and ground level parking.	The existing building sits on a site that is predominatley private open space for residents. All existing on-site pathways are retained, clearly defined and unobstructed.  Please refer to landscape design (LD-DA100) near new porte-cochere and building entry for new planting scheme.	YES
	On sloping sites protrusion of car parking above ground level should be minimised by using split levels to step underground car parking.	On-site parking is retained. A proposed modest lift core and ramping for accssibility purposes is introuced. These items sit with the current context in a unobstructivle manner and offer minimal projections on site.	YES

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## 3D Communal and Public Open Space

3D-1

<u>**Objective**</u>: An adequate area of communal open space is provided to enhance residential amenity and to provide opportunities for landscaping.

	Comments	Consisten
and an Outherston	- Comments	
esign Criteria:		
Communal open space has a minimum area equal to 25% of the site.	N/A	N/A
2. Developments achieve a minimum of 50% direct sunlight to the principal usable part of the communal open space for a minimum of 2 hours between 9 am and 3 pm on 21 June (mid winter).	N/A	N/A
esign Guidance:		
Communal open space should be consolidated into a well-designed, easily identified and usable area.	N/A	N/A
Communal open space should have a minimum dimension of 3m, and larger developments should consider greater dimensions.	N/A	N/A
Communal open space should be co-located with deep soil areas.	N/A	N/A
Direct, equitable access should be provided to communal open space areas from common circulation areas, entries and lobbies.	N/A	N/A
Where communal open space cannot be provided at ground level, it should be provided on a podium or roof.	N/A	N/A
Where developments are unable to achieve the design criteria, such as on small lots, sites within business zones, or in a dense urban area, they should:  • provide communal spaces elsewhere such as a landscaped roof top terrace or a common room;  • provide larger balconies or increased private open space for apartments;  • demonstrate good proximity to public open space and facilities and/or provide contributions to public open space.	N/A	N/A

			Comments	Consistenc
Desiar	n Guidance:		Commente	Consistence
	Facilities are provided within communal open spaces and common spaces for a range of age groups (see also 4F Common circulation and spaces), incorporating some of the following elements:  • seating for individuals or groups;  • barbecue areas;  • play equipment or play areas;  • swimming pools, gyms, tennis courts or common rooms.		N/A	N/A
	The location of facilities responds to microclimate and site conditions with access to sun in winter, shade in summer and shelter from strong winds and down drafts.		N/A	N/A
	Visual impacts of services should be minimised, including location of ventilation duct outlets from basement car parks, electrical substations and detention tanks.		On-site parking is retained. A proposed modest lift core and ramping for accssibility purposes is introuced. These items sit with the current context in a unobstructivle manner and offer minimal projections on site.	УES
3D-3	Objective: Communal open space is designed to maxi	imis	se safety.	
			Comments	Consistenc
<u>Desigr</u>	n Guidance:			
	Communal open space and the public domain should be readily visible from habitable rooms and private open space areas while maintaining visual privacy. Design solutions may include:  bay windows;  corner windows;  balconies.		All windows on all levels overlook the public domain.  Large residential balconies at each apartment will ensure good visual connection to the public domain.	УES
	Communal open space should be well lit.		Future lighting at the porte cochere and building entry will ensure the communal open space is well lit.	YES
	Where communal open space/facilities are provided for children and young people they are safe and contained.		There are no dedicated areas for children.	N/A
3D-4	<u><b>Objective</b></u> : Public open space, where provided, is respo	ons	ive to the existing pattern and uses of the neighbourhood.	
			Comments	Consistenc
Desigr	n Guidance:			
	The public open space should be well connected with public streets along at least one edge.		N/A	N/A
$\neg \neg$	The public open space should be connected with	$\forall$	N/A	1

	Boundaries should be clearly defined between public open space and private areas.	N/A	N/A
3E Dec	ep Soil Zones		
3E-1	<u>Objective</u> : Deep soil zones provide areas on the site residential amenity and promote management of wa	that allow for and support healthy plant and tree growth. The tter and air quality.	y improve
		Comments	Consistency
Desig	n Criteria:		
	Deep soil zones are to meet the following minimum requirement	N/A	N/A
Desig	n Guidance:		
	On some sites it may be possible to provide larger deep soil zones, depending on the site area and context:  • 10% of the site as deep soil on sites with an area of 650m² - 1,500m²;  • 15% of the site as deep soil on site greater than 1,500m².	N/A	N/A
	Deep soil zones should be located to retain existing significant trees and to allow for the development of healthy root systems, providing anchorage and stability for mature trees.  Design solutions may include:  • basement and sub-basement car park design that is consolidated beneath building footprints;  • use of increased front and side setbacks;  • adequate clearance around trees to ensure long term health;  • co-location with other deep soil areas on adjacent sites to create larger contiguous areas of deep soil.	N/A	N/A

Achieving the design criteria may not be possible N/A on some sites including where: the location and building typology have limited or no space for deep soil at ground level (e.g. central business district, constrained sites, high density areas, or in centres); N/A there is 100% site coverage or non-residential uses at ground floor level. Where a proposal does not achieve deep soil requirements, acceptable stormwater management should be achieved and alternative forms of planting provided such as on structure. **3F Visual Privacy** 3F-1 **Objective:** Adequate building separation distances are shared equitably between neighbouring sites, to achieve reasonable levels of external and internal visual privacy. Comments Consistency **Design Criteria:** Separation between windows and balconies is N/A provided to ensure visual privacy is achieved. Minimum required separation distances from buildings to the side and rear boundaries are as follows: **Building** Habitable Habitable rooms & height balcony rooms up to 12m (4 3m storeys) 9m up to 25m 4.5m N/A (5-8 storeys) over 25m (9+ 12m storeys) Separation distances between Note: buildings on the same site should combine required building separations depending on the type of room. Gallery access circulation should be treated as habitable space when measuring privacy separation distances between neighbouring properties. **Design Guidance:** Generally one step in the built form as the height increases due to building separations is N/A N/A desirable. Additional steps should be careful not to cause a 'ziggurat' appearance. For residential buildings next to commercial N/A buildings, separation distances should be measured as follows: for retail, office spaces and N/A commercial balconies use the habitable room distances; for service and plant areas use the non-habitable room distances.

3F-2 Objective: Site and building design elements increase privacy without compromising access to light and air and balance outlook and views from habitable rooms and private open space. Comments Consistency **Design Guidance:** Communal open space, common areas and access The penthouse design sits within the existing orientation paths should be separated from private open of the building and well above the comunal space space and windows to apartments, particularly below. habitable room windows. Design solutions may include: setbacks; solid or partially solid balustrades to balconies at lower levels; fencing and/or trees and vegetation to separate spaces; screening devices; bay windows or pop out windows to provide privacy in one direction and outlook in **YES** raising apartments/private open space above the public domain or communal open space; planter boxes incorporated into walls and balustrades to increase visual separation: pergolas or shading devices to limit overlooking of lower apartments or private open space; on constrained sites where it can be demonstrated that building layout opportunities are limited, fixed louvres or screen panels to windows and/or balconies. Bedrooms, living spaces and other habitable rooms The penthouse habitable and living areas are separated should be separated from gallery access and by circulation space. other open circulation space by the apartment's **YES** service areas. Balconies and private terraces should be located in Balconies on the penthouse level are situated in front of **YES** front of living rooms to increase internal privacy. habitable and living spaces and therefore comply. Windows should be offset from the windows of Windows on the penthouse level have been adjacent buildings. appropriately situated to ensure appropriate privacy, whilst also maintaining amenity and views. **YFS** Additionally, the new window glazing is aligned to existing window postions. Therefore all previous offsets are retained. Recessed balconies and/or vertical fins should be Visual privacy is provided between apartment used between adjacent balconies. balconies on the penthouse level. This is achieved by appropriately designed balcony party walls, which are directed towards the iconic views of Sydney. **YES** 

#### **3H Vehicle Access**

3H-1 Objective: Vehicle access points are designed and located to achieve safety, minimise conflicts between pedestrians and vehicles and create high quality streetscapes.

		Comments	Consisten
Desig	n Guidance:		
	Car park access should be integrated with the building's overall facade. Design solutions may include:  • the materials and colour palette to minimise visibility from the street;  • security doors or gates at entries that minimise voids in the façade;  • where doors are not provided, the visible interior reflects the facade design and the building services, pipes and ducts are concealed.	N/A	N/A
	Car park entries should be located behind the building line.	N/A	N/A
	Vehicle entries should be located at the lowest point of the site minimising ramp lengths, excavation and impacts on the building form and layout.	N/A	N/A
	Car park entry and access should be located on secondary streets or lanes where available.	N/A	N/A
	Vehicle standing areas that increase driveway width and encroach into setbacks should be avoided.	N/A	N/A
	Access point locations should avoid headlight glare to habitable rooms.	N/A	N/A
	Adequate separation distances should be provided between vehicle entries and street intersections.	N/A	N/A
	The width and number of vehicle access points should be limited to the minimum.	N/A	N/A
	Visual impact of long driveways should be minimised through changing alignments and screen planting.	N/A	N/A
	The need for large vehicles to enter or turn around within the site should be avoided.	N/A	N/A

	Garbage collection, loading and servicing areas are screened.	N/A	N/A
	Clear sight lines should be provided at pedestrian and vehicle crossings.	Clear sight lines provided at pedestrian and vehicle crossings at car park entry as well as within the basement.	УES
	Traffic calming devices such as changes in paving material or textures should be used where appropriate.	Traffic calming measures at the vehicle entry off Gould Lane will be integrated into design where appropriate.	УES
	Pedestrian and vehicle access should be separated and distinguishable. Design solutions may include:  changes in surface materials; level changes; the use of landscaping for separation.	Car park entry is provided on the right hand side of residential entry way, clear of hih pedestrian traffic and with clear sight lines for front entering and existing cars. Pedestrian entry provided with separate entry door, right hand side circulation path. Changes in surface materials used where required to further distinguish entry separation.	YES
3J Bic	ycle and Car Parking		
3J-1	Objective: Car parking is provided based on proximity	y to public transport in metropolitan Sydney and centres in reg	ional areas.
		Comments	Consistenc
Desig	n Criteria:		
Design	For development in the following locations:         on sites that are within 800 metres of a railway station or light rail stop in the Sydney Metropolitan Area; or         on land zoned, and sites within 400 metres of land zoned, B3 Commercial Core, B4 Mixed Use or equivalent in a nominated regional centre.  The minimum car parking requirement for residents and visitors is set out in the Guide to Traffic Generating Developments, or the car parking requirement prescribed by the relevant council, whichever is less.  The car parking needs for a development must be provided off street.	Car parking requirements are maximums and therefore no additional parkign is required for the additional penthouse apartment.	YES
Desig	n Guidance:		
	Where a car share scheme operates locally, provide car share parking spaces within the development. Car share spaces, when provided, should be on site.	N/A	N/A
	Where less car parking is provided in a development, council should not provide on street resident parking permits.	N/A	N/A
3J-2	Objective: Parking and facilities are provided for othe	r modes of transport.	
		Comments	Consistenc
Desig	n Guidance:		
	Conveniently located and sufficient numbers of parking spaces should be provided for motorbikes and scooters.	N/A - existing condition	N/A

	Secure undercover bicycle parking should be provided that is easily accessible from both the public domain and common areas.		N/A - existing condition	N/A
	Conveniently located charging stations are provided for electric vehicles, where desirable.		N/A - existing condition. No electric vehilce provision provided in existing building.	N/A
3J-3	Objective: Car park design and access is safe and se	cui	re.	
			Comments	Consistency
Desig	n Guidance:			
	Supporting facilities within car parks, including garbage, plant and switch rooms, storage areas and car wash bays can be accessed without crossing car parking spaces.		N/A - existing condition	YES
	Direct, clearly visible and well lit access should be provided into common circulation areas.		Accessible pathway proposed as part of works from main entry to car park.	YES
	A clearly defined and visible lobby or waiting area should be provided to lifts and stairs.		Additional lift access with sufficient lobby now provided to each parking level.	YES
	For larger car parks, safe pedestrian access should be clearly defined and circulation areas have good lighting, colour, line marking and/or bollards.		Lighting, signage, line markings and bollards will be included in the car park design.	YES
3J-4	<b>Objective:</b> Visual and environmental impacts of under	gro	ound car parking are minimised.	
			Comments	Consistency
<u>Desig</u>	n Guidance:			
	Excavation should be minimised through efficient car park layouts and ramp design.		N/A - existing condition	N/A
	Car parking layout should be well organised, using a logical, efficient structural grid and double loaded aisles.		N/A - existing condition	N/A
	Protrusion of car parks should not exceed 1m above ground level. Design solutions may include stepping car park levels or using split levels on sloping sites.		N/A - existing condition	N/A
	Natural ventilation should be provided to basement and sub-basement car parking areas.		N/A - existing condition	N/A
	Ventilation grills or screening devices for car parking openings should be integrated into the facade and landscape design.		N/A - existing condition	N/A
3J-5	Objective: Visual and environmental impacts of on-gr	ad	e car parking are minimised.	
			Comments	Consistency
Desig	n Guidance:			
				1

### PART 4: DESIGNING THE BUILDING (AMENITY)

4A Sol	ar and Daylight Access			
4A-1	<b>Objective</b> : To optimise the number of apartments rec	eivi	ing sunlight to habitable rooms, primary windows and privat	e open space.
			Comments	Consistency
<u>Desigr</u>	n Criteria:			
	1. Living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 2 hours direct sunlight between 9 am and 3 pm at midwinter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas.		Proposed additional dwelling receives sufficient sunlight. Generally while an existing condition 100% of existing apartments receive required sunlight access.	YES
	In all other areas, living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 3 hours direct sunlight between 9 am and 3 pm at midwinter.		N/A	N/A
	A maximum of 15% of apartments in a building receive no direct sunlight between 9 am and 3 pm at mid-winter.		Refer to item 1. above.	УES
Design	Guidance:			1
	The design maximises north aspect and the number of single aspect south facing apartments is minimised.		Proposed penthouse apartment is oriented to the North and primary views.	УES
	Single aspect, single storey apartments should have a northerly or easterly aspect.		Complies	YES
	Living areas are best located to the north and service areas to the south and west of apartments.		Complies	YES
	To optimise the direct sunlight to habitable rooms and balconies a number of the following design features are used:  dual aspect apartments; shallow apartment layouts; two storey and mezzanine level apartments; bay windows.		Proposed penthouse apartment is a full floor apartment giving opportunity to outlook and daylight to all aspects.	УES
	To maximise the benefit to residents of direct sunlight within living rooms and private open spaces, a minimum of 1m² of direct sunlight, measured at 1m above floor level, is achieved for at least 15 minutes.		Complies	УES

4A-3	<u>Objective:</u> Design incorporates shading and glare co	ntr	ol, particularly for warmer months.	
			Comments	Consistency
Desig	n Guidance:			'
	A number of the following design features are used:  • balconies or sun shading that extend far enough to shade summer sun, but allow winter sun to penetrate living areas;  • shading devices such as eaves, awnings, balconies, pergolas, external louvres and planting;  • horizontal shading to north facing windows;  • vertical shading to east and particularly west facing windows;  • operable shading to allow adjustment and choice;  • high performance glass that minimises external glare off windows, with consideration given to reduced tint glass or glass with a reflectance level below 20% (reflective films are avoided).		Shading is provided through the use of overhangs provided by the existing parapet structure, and additionally increased depth of balcony that provides additional eave over windows to internals.	YES
4B Na	tural Ventilation			
4B-1	Objective: All habitable rooms are naturally ventilated	d.		
			Comments	Consistency
Desig	n Guidance:	•		
	The building's orientation maximises capture and use of prevailing breezes for natural ventilation in habitable rooms.		All habitable rooms are provided with openable windows and designed to support natural ventilation.	YES
	Depths of habitable rooms support natural ventilation.		Habitable room depths have been designed to support natural ventilation whilst providing appropriate space internal amenity.	YES
	The area of unobstructed window openings should be equal to at least 5% of the floor area served.		Habitable rooms incorporate a combination or floor to ceiling sliding doors and/or openable windows to maximise natural ventilation. The area of unobstructed window openings is 5% min. of the floor area served.	YES
	Light wells are not the primary air source for habitable rooms.		As above	YES
	Doors and openable windows maximise natural ventilation opportunities by using the following design solutions:  adjustable windows with large effective openable areas;  a variety of window types that provide safety and flexibility such as awnings and louvres; windows which the occupants can reconfigure to funnel breezes into the apartment such as vertical louvres, casement windows and externally opening doors.		As above	YES
4B-2	Objective: The layout and design of single aspect ap	art	ments maximises natural ventilation.	
			Comments	Consistency
Desig	n Guidance:			
	Apartment depths are limited to maximise ventilation and airflow.		Apartment depths are limited where appropriate to maximise ventilation and airflow.	YES

	Natural ventilation to single aspect apartments is achieved with the following design solutions:  primary windows are augmented with plenums and light wells (generally not suitable for cross ventilation);  stack effect ventilation / solar chimneys or similar to naturally ventilate internal building areas or rooms such as bathrooms and laundries;  courtyards or building indentations have a width to depth ratio of 2:1 or 3:1 to ensure effective air circulation and avoid trapped smells.	N/A	N/A
4B-3	<u>Objective:</u> The number of apartments with natural cra residents.	ess ventilation is maximised to create a comfortable indoor envir	onment for
		Comments	Consistency
Desig	n Criteria:		
	At least 60% of apartments are naturally cross ventilated in the first nine storeys of the building. Apartments at ten storeys or greater are deemed to be cross ventilated only if any enclosure of the balconies at these levels allows adequate natural ventilation and cannot be fully enclosed.	Proposed additional penthouse apartment is naturally ventalated. Generally the development acheives 3/5 apartments per floor that acheive cross ventilation.	YES
	Overall depth of a cross-over or cross-through apartment does not exceed 18m, measured glass line to glass line.	N/A	N/A
Desig	n Guidance:		
	The building should include dual aspect apartments, cross through apartments and corner apartments and limit apartment depths.	Proposed penthouse apartment is both dual aspect and a corner apartment	YES
	In cross-through apartments external window and door opening sizes/areas on one side of an apartment (inlet side) are approximately equal to the external window and door opening sizes/areas on the other side of the apartment (outlet side).	complies	YES
	Apartments are designed to minimise the number of corners, doors and rooms that might obstruct airflow Apartment depths, combined with appropriate ceiling heights, maximise cross ventilation and airflow.	Apartments minimise internal steps in rooms, and integrate appropriate ceiling heights with floor to ceiling doors / windows to maximise ventilation and airflow.	YES

4C Cei	iling Heights				
4C-1	<u><b>Objective</b></u> : Ceiling he	ight achieves sufficient natural v	vent	ilation and daylight access.	
				Comments	Consistenc
Design	<u> Criteria:</u>				
		inished floor level to evel, minimum ceiling		Proposed penthouse level complies. Proposed 2.9m ceilign height with lower ceilings over bathroom and storage areas.	
		height for apartment and ags. Habitable rooms and abitable rooms			
	Habitable rooms	2.7m			
	Non-habitable	2.4m			
	For 2 storey apartments	2.7m for main living floor 2.4m for second floor, where its area does not exceed 50% of the apartment area			YES
	Attic spaces	1.8m at edge of room with a 30 degree minimum ceiling slope			
	If located in mix used areas	3.3m for ground and first floor to promote future flexibility of use			
	These minimums do n desired.	ot preclude higher ceilings if			
 Design	Guidance:		Ш		
	Ceiling height can ac for cooling and heat o	commodate use of ceiling fans distribution.		Based on comments above, ceiling heights can accommodate use of ceiling fans in all living rooms and bedrooms.	УES
4C-2	Objective: Ceiling he	eight increases the sense of spac	e in	apartments and provides for well-proportioned rooms.	
				Comments	Consistence
Design	Guidance:				'
	used:  the hierarchy of r defined using chand alternatives ceilings, or double well-proportioned example, smaller more spacious well-proposed with the state of loor to floor and	d rooms are provided, for rooms feel larger and ith higher ceilings; re maximised in habitable ag that bulkheads do not king of service rooms from coordination of bulkhead on-habitable areas, such as		Well proportioned rooms are provided along with hierachy of rooms being defined through ceiling height changes. Bulkheads are kept clear of living areas where possible and are located above cupboards, corridors, non-habitable rooms and in bedrooms when required.	YES

4C-3	<u>Jujoure.</u> Jenny ne	eights contribute to the flexibility o	Januariy ase over ti	or the ballaling.		
			Comments			Consistenc
<u>Design</u>	Guidance:					
	should be greater tha	ver level apartments in centres an the minimum required by the ng flexibility and conversion to	N/A			N/A
4D Apa	rtment Size and Layo	ut				
4D-1	Objective: The layou	nt of rooms within an apartment is	functional, well orgo	anised and provides a	high standard of an	nenity.
			Comments			Consistenc
Design	Criteria:					
	1. <u>Apartments are req</u> minimum internal are	uired to have the following as:	Proposed apart	ment exceeds minimu	um standards.	
	Apartment type	Minimum internal area	Apartment type	ADG Minimum internal area	Achieved	
	Studio	35m²	3 bedroom	90m²	291m²	
	1 bedroom	50m <sup>2</sup>	Note: 4 and 5 B	l ed apartment areas i	not included in	
	2 bedroom	70m²	table.	·		
	3 bedroom	90m²				YES
	one bathroom. A increase the mir each. A fourth bedrood additional bedro	ternal areas include only Additional bathrooms himum internal area by 5m² m and further hooms increase the al area by 12m² each.				
	an external wall area of not less	room must have a window in with a total minimum glass than 10% of the floor area ylight and air may not be ther rooms.	windows in an e area of not less Daylight and ai	room incorporates functions are the sternal wall with a to than 10% of the floor or are accessed through the foom adjoining room adjoining ro	tal minimum glass area of the room. gh the window and	YES
Design	Guidance:		<u>'</u>			
	Kitchens should not be of the main circulation apartments (such as space).	n space in larger		ot form part of the pri s or entry spaces).	mary circulation	YES
	A window should be whabitable room.	isible from any point in a	All habitable roo position within t	oms have visible wind the room.	lows from any	YES
	met apartments need well designed and de functionality of the sp furniture layouts and	is or room dimensions are not I to demonstrate that they are monstrate the usability and bace with realistically scaled circulation areas. These be assessed on their merits.	N/A			N/A

	Comments	Consistenc
Design Criteria:		
_		
Habitable rooms depths are limited to a     maximum of 2.5 x the ceiling height	All habitable rooms (not open plan) are consistent with this ratio.	УES
In open plan layouts (where the living, dining and kitchen are combined) the maximum habitable room depth is 8m from a window.	Complies - Max depth from window >8m	YES
Design Guidance:		
Greater than minimum ceiling heights can allow for proportional increases in room depth up to the permitted maximum depths.	Proposed additional ceiling height for added amenity.	УES
All living areas and bedrooms should be located on the external face of the building.	All bedrooms and living rooms are located on an external face of the building, with balconies included in available areas along the facade and off living areas and bedrooms. Additional outdor terrace provided on roof.	УES
<ul> <li>Where possible:</li> <li>bathrooms and laundries should have an external openable window;</li> <li>main living spaces should be oriented toward the primary outlook and aspect and away from noise sources.</li> </ul>	Where bathrooms and laundries do not have access to an external window ventilation ducting is used to improve air quality.  All apartments have been designed to orientate main living spaces towards primary visual outlook and aspect maximizing visual amenity.	УES
1		
+D-3 Objective: Apartment layouts are designed to accom	modate a variety of household activities and needs.	
+D-3 Objective: Apartment layouts are designed to accom	modate a variety of household activities and needs.  Comments	Consisten
Design Criteria:	-	Consisten
	-	Consisten
Design Criteria:  1. Master bedrooms have a minimum area of 10m² and other bedrooms 9m²	Comments  All bedrooms meet or exceed the minimum area	
1. Master bedrooms have a minimum area of 10m² and other bedrooms 9m² (excluding wardrobe space).  2. Bedrooms have a minimum dimension of	All bedrooms meet or exceed the minimum area requirements.  All bedrooms meet or exceed the minimum 3m	YES
1. Master bedrooms have a minimum area of 10m² and other bedrooms 9m² (excluding wardrobe space).  2. Bedrooms have a minimum dimension of 3m (excluding wardrobe space).  3. Living rooms or combined living/dining rooms have a minimum width of:  • 3.6m for studio and 1 bedroom apartments;	All bedrooms meet or exceed the minimum area requirements.  All bedrooms meet or exceed the minimum 3m dimension in both directions.  Proposed penthouse apartment exceeds the minimum	YES YES
1. Master bedrooms have a minimum area of 10m² and other bedrooms 9m² (excluding wardrobe space).  2. Bedrooms have a minimum dimension of 3m (excluding wardrobe space).  3. Living rooms or combined living/dining rooms have a minimum width of:  • 3.6m for studio and 1 bedroom apartments:  • 4m for 2 and 3 bedroom apartments.  4. The width of cross-over or cross-through apartments are at least 4m internally to	All bedrooms meet or exceed the minimum area requirements.  All bedrooms meet or exceed the minimum 3m dimension in both directions.  Proposed penthouse apartment exceeds the minimum living room widths.	YES YES YES
1. Master bedrooms have a minimum area of 10m² and other bedrooms 9m² (excluding wardrobe space).  2. Bedrooms have a minimum dimension of 3m (excluding wardrobe space).  3. Living rooms or combined living/dining rooms have a minimum width of:  • 3.6m for studio and 1 bedroom apartments;  • 4m for 2 and 3 bedroom apartments.  4. The width of cross-over or cross-through apartments are at least 4m internally to avoid deep narrow apartment layouts.	All bedrooms meet or exceed the minimum area requirements.  All bedrooms meet or exceed the minimum 3m dimension in both directions.  Proposed penthouse apartment exceeds the minimum living room widths.	YES YES YES

The main bedroom of an apartment or a studio apartment should be provided with a wardrobe of a minimum 1.8m long, 0.6m deep and 2.1m high.	Complies. Large walk in rob provided.	УES			
Apartment layouts allow flexibility over time, design solutions may include:  • dimensions that facilitate a variety of furniture arrangements and removal;  • spaces for a range of activities and privacy levels between different spaces within the apartment;  • dual master apartments;  • dual key apartments which are separate but on the same title are regarded as two sole occupancy units for the purposes of the Building Code of Australia and for calculating the mix of apartments.  • room sizes and proportions or open plans (rectangular spaces (2:3) are more easily furnished than square spaces (1:1));  • efficient planning of circulation by stairs, corridors and through rooms to maximise the amount of usable floor space in rooms.	Apartment area and dimensions exceed the minimum requirements. This allows for future flexibility in internal furniture layouts.  Apartment is rationally planned to maximise usable space and storage in apartments.	YES			
4E Private Open Space and Balconies					
4E-1 Objective: Apartments provide appropriately sized private open space and balconies to enhance residential amenity.					

4E Priv	rate Open Space and	d Balconies				
4E-1	Objective: Apartm	ents provide app	propriately sized p	orivo	ate open space and balconies to enhance residential ameni	ty.
					Comments	Consistenc
Desigr	Criteria:					
	All apartments     balconies as follow	s are required to	have primary		Large roof top terrace provided complying with minimum areas and dimensions.	
	Dwelling type	Minimum area	Minimum depth			
	Studio apartments	4m²	-			
	1 bedroom apartments	8m²	2m			
	2 bedroom apartments	10m²	2m			YES
	3 bedroom apartments	12m <sup>2</sup>	2.4m			
		balcony depth to				
	podium or sim space is provi	ts at ground leven nilar structure, a ded instead of a ninimum area of th of 3m.	private open balcony. It		N/A	N/A

Desig	n Guidance:		
		1	<u> </u>
	Increased communal open space should be provided where the number or size of balconies is reduced.	N/A	N/A
	Storage areas on balconies are additional to the minimum balcony size.	N/A	N/A
	<ul> <li>Balcony use may be limited in some proposals by:</li> <li>consistently high wind speeds at 10 storeys and above;</li> <li>close proximity to road, rail or other noise sources;</li> <li>exposure to significant levels of aircraft noise;</li> <li>heritage and adaptive reuse of existing buildings.</li> <li>In these situations, Juliet balconies, operable walls, enclosed wintergardens or bay windows may be appropriate, and other amenity benefits for occupants should also be provided in the apartments or in the development or both. Natural ventilation also needs to be demonstrated.</li> </ul>	Sufficient balustrade heights are proposed to roof top terrace to ensure suffient wind protection.	YES
4E-2	Objective: Primary private open space and balconies	are appropriately located to enhance liveability for residents.	
		Comments	Consistency
<u>Desig</u> i	n Guidance:		
	Primary open space and balconies should be located adjacent to the living room, dining room or kitchen to extend the living space.	A blacony is provided off the main living space, however will not act as the primary outdoor space due to constraints with the existing building. This area is better used as internal witht eh larger courtyard provided on the roof.	ADEQUATE
	Private open spaces and balconies predominantly face north, east or west.	Balconies are predominantly facing North, east or west.	YES
	Primary open space and balconies should be orientated with the longer side facing outwards or be open to the sky to optimise daylight access into adjacent rooms.	Complies. longer side open to the sky.	YES
4E-3	<b>Objective:</b> Private_open space and balcony design is in the building.	ntegrated into and contributes to the overall architectural form	and detail of
		Comments	Consistency
Desig	n Guidance:		,
	Solid, partially solid or transparent fences and balustrades are selected to respond to the location. They are designed to allow views and passive surveillance of the street while maintaining visual privacy and allowing for a range of uses on the balcony.  Solid and partially solid balustrades are preferred.	Glass balconies proposed, to maximise outlook and view opportunity. No overlooking issues.	YES
	Full width full height glass balustrades alone are generally not desirable.	See point above - generally complies with objective, and in keeping with existing aesthetic.	ADEQUATE
	Projecting balconies should be integrated into the building design and the design of soffits considered.	Projecting balconies consistent with existing.	YES

	Daylight and natural ventilation should be		N/A - existing condition	
	provided to all common circulation spaces that are above ground.			N/A
	Windows should be provided in common circulation spaces and should be adjacent to the stair or lift core or at the ends of corridors.		N/A - existing condition	N/A
	Longer corridors greater than 12m in length from the lift core should be articulated. Design solutions may include:  a series of foyer areas with windows and spaces for seating;  wider areas at apartment entry doors and varied ceiling heights.		N/A - existing condition	N/A
	Design common circulation spaces to maximise opportunities for dual aspect apartments, including multiple core apartment buildings and cross over apartments.		N/A - existing condition	N/A
	Achieving the design criteria for the number of apartments off a circulation core may not be possible. Where a development is unable to achieve the design criteria, a high level of amenity for common lobbies, corridors and apartments should be demonstrated, including:		N/A - existing condition	
	<ul> <li>sunlight and natural cross ventilation in apartments;</li> <li>access to ample daylight and natural ventilation in common circulation spaces;</li> <li>common areas for seating and gathering;</li> <li>generous corridors with greater than minimum ceiling heights;</li> <li>other innovative design solutions that provide high levels of amenity.</li> </ul>			N/A
	Where design criteria 1 is not achieved, no more than 12 apartments should be provided off a circulation core on a single level.		N/A	N/A
	Primary living room or bedroom windows should not open directly onto common circulation spaces, whether open or enclosed. Visual and acoustic privacy from common circulation spaces to any other rooms should be carefully controlled.		Complies	YES
4F-2	Objective: Common circulation spaces promote safe	ty (	I and provide for social interaction between residents.	
			Comments	Consistency
Desig	n Guidance:			
	Direct and legible access should be provided between vertical circulation points and apartment entries by minimising corridor or gallery length to give short, straight, clear sight lines.		Complies	YES
	Tight corners and spaces are avoided.		Complies	YES

storage.

Left over space such as under stairs is used for

**YES** 

space.

Where appropriate, storage is located in all left over

		Comments	Consistency
Desig	n Guidance:		
	Storage not located in apartments is secure and clearly allocated to specific apartments.	Storage not located within apartments is located in basement, residents will have secure access to this space. Storage areas have individual storage cages that are clearly identified with signage.	УES
	Storage is provided for larger and less frequently accessed items.	All apartments are provided with a minimum of 8m³ of secure dedicated storage within the basement carpark.	УES
	Storage space in internal or basement car parks is provided at the rear or side of car spaces or in cages so that allocated car parking remains accessible.	N/A	N/A
	If communal storage rooms are provided they should be accessible from common circulation areas of the building.	N/A	N/A
	Storage not located in an apartment is integrated into the overall building design and is not visible from the public domain.	N/A	N/A

4H Acc	4H Acoustic Privacy					
4H-1	Objective: Noise transfer is minimised through the siti	ing	of buildings and building layout.			
			Comments	Consistency		
Desig	n Guidance:					
	Adequate building separation is provided within the development and from neighbouring buildings/adjacent uses (see also section 2F Building separation and section 3F Visual privacy).		N/A	N/A		
	Window and door openings are generally orientated away from noise sources.		Doors and windows are generally oriented away from noise sources, and to address views and daylight access.	YES		
	Noisy areas within buildings including building entries and corridors should be located next to or above each other and quieter areas next to or above quieter areas.		Noisy areas within the building are generally co-located and are positioned to have minimum impact on quieter areas.	YES		
	Storage, circulation areas and non-habitable rooms should be located to buffer noise from external sources.		Storage, circulation and non-habitable areas have been planned to buffer noise transfer where possible.	YES		
	The number of party walls (walls shared with other apartments) is limited and are appropriately insulated.		N/A	N/A		
	Noise sources such as garage doors, driveways, service areas, plant rooms, building services, mechanical equipment, active communal open spaces and circulation areas should be located at least 3m away from bedrooms.		N/A	N/A		

	Achieving the design criteria in this Apartment Design Guide may not be possible in some situations due to noise and pollution. Where developments are unable to achieve the design criteria, alternatives may be considered in the following areas:  solar and daylight access; private open space and balconies; natural cross ventilation.		N/A	N/A
4J-2	<u><b>Objective:</b></u> Appropriate noise shielding or attenuation used to mitigate noise transmission.	ted	chniques for the building design, construction and choice of r	materials are
			Comments	Consistency
Desig	n Guidance:			
	Design solutions to mitigate noise include:		Methods of mitigating noise impacts include;	
	<ul> <li>limiting the number and size of openings facing noise sources;</li> <li>providing seals to prevent noise transfer through gaps;</li> </ul>		Acoustic seals to doors and windows     Double / laminated glazing to affected facades as required	

# PART 4: DESIGNING THE BUILDING (CONFIGURATION)

#### **4K Apartment Mix**

UK-1 Objective: A range of apartment tunes and sizes is provided to cater for different household tunes now and into the future

	Comments	Consistency
sign Guidance:		
A variety of apartment types is provided.	N/A	N/A
The apartment mix is appropriate, taking into consideration:  • the distance to public transport, employment and education centres;  • the current market demands and projected future demographic trends;  • the demand for social and affordable housing;  • different cultural and socioeconomic groups.	N/A	N/A
Flexible apartment configurations are provided to support diverse household types and stages of life including single person households, families, multi-generational families and group households.	N/A	N/A

4M-1	Objective: Ruilding facades provide visual interest als	one	the street while respecting the character of the local area.	
4101-1	<u>Vojective.</u> Building racades provide visual interest aid	nig	the street while respecting the character of the local area.	
			Comments	Consisten
Design	Guidance:			
	Design solutions for front building facades may include:  a composition of varied building elements;  a defined base, middle and top of buildings;  revealing and concealing certain elements;  changes in texture, material, detail and colour to modify the prominence of elements.		Building facades have been designed with regard to the following:  Building composition and elements are proportioned in keeping with the original facade.  Changes in texture and material to define the base from the top, and to relate to the surrounding context.  Facade angulation provides a composition of varied building elements, adding contrasting solid/void, light/shadow	YES
	Building services should be integrated within the overall façade.		Building services are integrated into the design	УES
	Building facades should be well resolved with an appropriate scale and proportion to the streetscape and human scale. Design solutions may include:  • well composed horizontal and vertical elements;  • variation in floor heights to enhance the human scale;  • elements that are proportional and arranged in patterns;  • public artwork or treatments to exterior blank walls;  • grouping of floors or elements such as balconies and windows on taller buildings.		The building facade provides a high level of visual interest and groups balcony elements in relation to apartment ownership.	YES
	Building facades relate to key datum lines of adjacent buildings through upper level setbacks, parapets, cornices, awnings or colonnade heights.		N/A, following existing building datum lines	N/A
	Shadow is created on the facade throughout the day with building articulation, balconies and deeper window reveals.		The existing building's balcony design creates articulation and shadows on the facade.	YES
4M-2	Objective: Building functions are expressed by the fac	ça	de.	
			Comments	Consisten
Design	Guidance:			
	Building entries should be clearly defined.		The articulation of the façade at ground level provides adequate legibility of building entries and highlighted by architectural features such as awnings	УES
	Important corners are given visual prominence through a change in articulation, materials or colour, roof expression or changes in height.		The buildings aesthetic and form takes into consideration this guidance.	УES
	The apartment layout should be expressed externally through facade features such as party walls and floor slabs.		The buildings aesthetic and form takes into consideration this guidance.	УES

40 Lar	ndscape Design			
40-1	Objective: Landscape design is viable and sustainab	le.		
			Comments	Consistency
<u>Desigr</u>	n Guidance:			
	Landscape design should be environmentally sustainable and can enhance environmental performance by incorporating:  diverse and appropriate planting; bio-filtration gardens; appropriately planted shading trees; areas for residents to plant vegetables and herbs; composting; green roofs or walls.		The landscape design has been designed in accordance with this guidance. The planting palette has been carefully selected to suit to local context and continute to the biodiversity of the area.  Refer to Landscape architects package.	YES
	Ongoing maintenance plans should be prepared.		Refer to Landscape package.	УES
	<ul> <li>Microclimate is enhanced by:</li> <li>appropriately scaled trees near the eastern and western elevations for shade;</li> <li>a balance of evergreen and deciduous trees to provide shading in summer and sunlight access in winter;</li> <li>shade structures such as pergolas for balconies and courtyards.</li> </ul>		Refer to Landscape package.	YES
	Tree and shrub selection considers size at maturity and the potential for roots to compete.  Site Area  Recommended tree planting  Up to 850m²  1 medium tree per 50m² of deep soil zone  Between 850 - 1,500m²  1 large tree of 2 medium trees per 90m² of deep soil zone  Greater than 1 large tree of 2 medium trees per 80m² of deep soil zone		Refer to Landscape package.	YES
40-2	<u>Objective:</u> Landscape design contributes to the stree	etsc	ape and amenity.	
Da-'	Cuidana		Comments	Consistency
Desigi	Landscape design responds to the existing site conditions including:  changes of levels; views; significant landscape features including trees and rock outcrops.		The proposed landscape design and choice of vegetation will have a positive impact upon the locality and responds to views from private open spaces.	YES

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4P Plo	ınting on Structu	res					
4P-1	Objective: Appr	opriate soil profiles are provided.					
			Comme	nts			Consistency
Desig	n Guidance:						
	Structures are soil weight.	reinforced for additional saturated	The stru design.	ctural design i	s appropriate for th	ne landscape	YES
	considerations  modifying according irrigation	depths and widths to the planting mix and frequency; ng and long soil life span;			es are provided, in a ects specification.	accordance	УES
	provided in acc	tandards for plant sizes should be cordance with Table 5.  umsoil standards for plant types and sizes  Definition  12-18m high, up to 16m crown spread at maturity	Soil volume 150m <sup>3</sup>	Soil depth	Soil area  10mx10x or equivalent		
	Medium trees	8-12m high, up to 8m crown spread at maturity	35m <sup>3</sup>	1,000mm	ómxóm or equivalent		
	Small trees	6-8m high, up to 4m crown spread at maturity	9m <sup>3</sup>	800mm	3.5mx3.5m or equivalent		N/A
	Shrubs			500-600mm			
	Ground over			300-345mm			
	Turf			200mm			
		s been calculated assuming fortnightly surface drainage requirements are in addition um soil depths.					

4P-2	Objective: Plant growth is optimised with appropriate	e se	election and maintenance.	
			Comments	Consistency
<u>Desigr</u>	n Guidance:			
	Plants are suited to site conditions, considerations include:  drought and wind tolerance; seasonal changes in solar access; modified substrate depths for a diverse range of plants; plant longevity.		Plant selections have been specified by a qualified Landscape Architect, refer to Landscape plan - LD-DA100.	YES
	A landscape maintenance plan is prepared.		Refer to Landscape report, a landscape maintainence plan can be prepared as part of future stages of the project.	УES
	<ul> <li>Irrigation and drainage systems respond to:</li> <li>changing site conditions;</li> <li>soil profile and the planting regime;</li> <li>whether rainwater, stormwater or recycled grey water is used.</li> </ul>		Refer to Landscape report, appropriate irrigation and drainage to planter beds will be incorporated into the design.	YES
4P-3	<b>Objective:</b> Planting on structures contributes to the q	ua	lity and amenity of communal and public open spaces.	
			Comments	Consistency
Desigr	n Guidance:			
	Building design incorporates opportunities for planting on structures. Design solutions may include:  • green walls with specialised lighting for indoor green walls;  • wall design that incorporates planting;  • green roofs, particularly where roofs are visible from the public domain;  • planter boxes.  Note: structures designed to accommodate green walls should be integrated into the building facade and consider the ability of the facade to change over time.		N/A	N/A
4Q Uni	iversal Design			
4Q-1	<u><b>Objective:</b></u> Universal design features are included in ap	art	tment design to promote flexible housing for all community r	members.
Docie	n Guidance:		Comments	Consistency
Design	Developments achieve a benchmark of 20% of the total apartments incorporating the Liveable Housing Guideline's silver level universal design features.		N/A	N/A
4Q-2	Objective: A variety of apartments with adaptable de	esig	gns are provided.	
			Comments	Consistency
Desigr	n Guidance:			
	Г	1	N/A	

		Comments	Consistenc
Design	Guidance:		<u> </u>
	Design features should be incorporated sensitively into adapted buildings to make up for any physical limitations, to ensure residential amenity is achieved. Design solutions may include:  • generously sized voids in deeper buildings;	N/A	N/A
	<ul> <li>alternative apartment types when orientation is poor;</li> <li>using additions to expand the existing building envelope.</li> </ul>		IV/A
	Some proposals that adapt existing buildings may not be able to achieve all of the design criteria in this Apartment Design Guide. Where developments are unable to achieve the design criteria, alternatives could be considered in the following areas:	N/A	
	<ul> <li>where there are existing higher ceilings, depths of habitable rooms could increase subject to demonstrating access to natural ventilation, cross ventilation (when applicable) and solar and daylight access (see also sections 4A Solar and daylight access and 4B Natural ventilation);</li> <li>alternatives to providing deep soil where less than the minimum requirement is currently available on the site;</li> <li>building and visual separation – subject to demonstrating alternative design approaches to achieving privacy;</li> <li>common circulation;</li> <li>car parking;</li> <li>alternative approaches to private open space and balconies.</li> </ul>		N/A
4S Mix	ed Use		
4S-1	Objective: Mixed use developments are provided in appedestrian movement.	propriate locations and provide active street fr	rontages that encourage
		Comments	Consistence
Design	Guidance:		
	Mixed use development should be concentrated around public transport and centres.	N/A	N/A
	Mixed use developments positively contribute to the public domain. Design solutions may include:  development addresses the street;  active frontages are provided;	N/A	

diverse activities and uses;

rather than commercial.

avoiding blank walls at the ground level; live/work apartments on the ground floor level,

N/A

	Comments	Consistency
esign Guidance:		
Residential circulation areas should be clearly defined. Design solutions may include:	Residential carparking is secured and safe pedestrain routes are provided.	
<ul> <li>residential entries are separated from commercial entries and directly accessible from the street;</li> <li>commercial service areas are separated from residential components;</li> </ul>		YES
residential car parking and communal facilities are separated or secured;		
security at entries and safe pedestrian routes are provided;		
concealment opportunities are avoided.		
Landscaped communal open space should be provided at podium or roof levels.	N/A	N/A

4T Awnings and Signage							
+T-1	Objective: Awnings are well located and complement and integrate with the building design.						
			Comments	Consistend			
Desig	n Guidance:						
	Awnings should be located along streets with high pedestrian activity and active frontages.		N/A	N/A			
	<ul> <li>A number of the following design solutions are used:</li> <li>continuous awnings are maintained and provided in areas with an existing pattern;</li> <li>height, depth, material and form complements the existing street character;</li> <li>protection from the sun and rain is provided;</li> <li>awnings are wrapped around the secondary frontages of corner sites;</li> <li>awnings are retractable in areas without an established pattern.</li> </ul>		The awning provides adequate protection from sun and rain.	YES			
	Awnings should be located over building entries for building address and public domain amenity.		A wrapped awning / port cochere is incorporated into the design at ground level and building entry.	YES			
	Awnings relate to residential windows, balconies, street tree planting, power poles and street infrastructure.		N/A	N/A			
	Gutters and down pipes should be integrated and concealed.		Gutters and downpipes are integrated into the roof and facade design.	YES			
	Lighting under awnings should be provided for pedestrian safety.		Lighting is provided under all awnings.	YES			

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