

ONE SYDNEY HARBOUR

DESIGN VERIFICATION STATEMENT - BUILDING R4A

(State Significant Development 6964)

Section 4.55 Application

June 2021

Pursuant to Clause 115(3) of the Environmental Planning and Assessment Regulation 2000,

I hereby verify that to the best of my knowledge, information and belief that:

a) the residential apartment development, as modified, generally achieves the design quality principles set out in State Environmental Planning Policy No 65 - Design Quality of Residential Apartment Development, and

b) the modifications do not diminish or detract from the design quality of the development for which the development consent was granted.

The design quality principles set out in State Environmental Planning Policy No 65 - Design Quality of Residential Apartment Development have been addressed in the:

- Design Verification Statement that contains the:
 - Design Quality Principles of SEPP 65, and
 - Design Objectives and Guidance Compliance of the Apartment Design Guide (ADG)

The modified architectural design has been addressed in the:

- Modified Design Report

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ONE SYDNEY HARBOUR - RESIDENTIAL BUILDING R4A

SEPP 65 DESIGN QUALITY PRINCIPLES STATEMENT

PREPARED BY RENZO PIANO BUILDING WORKSHOP, LENDLEASE DESIGN AND PTW ARCHITECTS

Residential Building R4A, Barangaroo South – Section 4.55 Modification Application (MOD 4)

Introduction

This report supports a modification application submitted to the Department of Planning, Infrastructure and Environment (DPIE) pursuant to section 4.55(1A) of the Environmental Planning and Assessment Act 1979 (EP&A Act) to modify Development Consent SSD 6964 relating to Residential Building R4A, Barangaroo South (the site).

Site Description

Barangaroo is located on the north western edge of the Central Sydney, bounded by Sydney Harbour to the west and north, the historic precinct of Millers Point (for the northern half), The Rocks and the Sydney Harbour Bridge approach to the east; and bounded to the south by a range of new development containing large commercial tenants.

The Barangaroo site has been divided into three distinct redevelopment areas (from north to south) – the Headland Park, Barangaroo Central and Barangaroo South. The Residential Building R4A site is located within Barangaroo South. The site of this proposed modification application is located on land generally known and identified in the approved Concept Plan (as modified) as Block 4A, as shown in Figure 1 below.

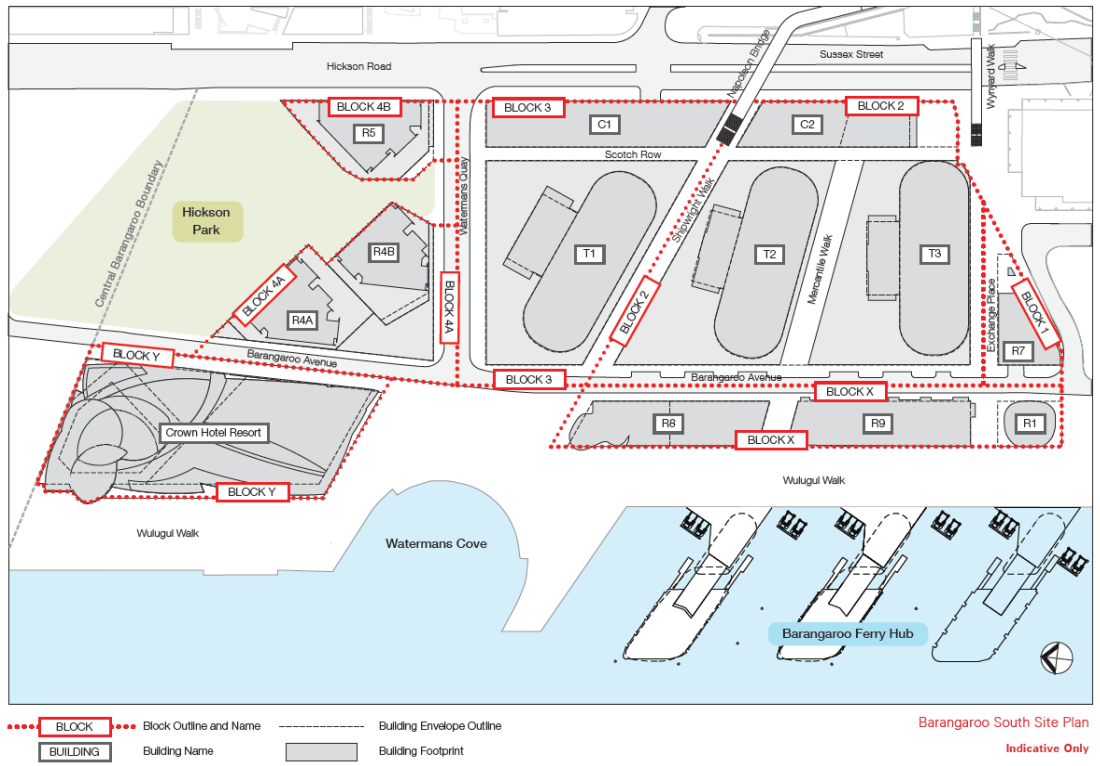


Figure 1 Block 4A in relation to Barangaroo South, with the location of Building R4A shown

Source: Lendlease

Background

Barangaroo South Concept Plan (as modified)

The approved Barangaroo South Concept Plan (MP06_0162) (as modified), includes approval for the following:

- A mixed use development involving a maximum of 602,354 sqm gross floor area (GFA), comprised of:
 - a maximum of 191,031 sqm of residential GFA of which a maximum of 162,031 sqm will be in Barangaroo South;
 - a maximum of 76,000 sqm of GFA for tourist uses of which a maximum of 59,000 sqm will be in Barangaroo South;
 - a maximum of 34,000sqm of GFA for retail uses of which a maximum of 30,000 sqm will be in Barangaroo South;
 - a maximum of 5,000 sqm of GFA for active uses in the Public Recreation zone of which 3,500 will be in Barangaroo South; and
 - a minimum of 12,000sqm GFA for community uses.
- Approximately 11 hectares of new public open space/public domain, with a range of formal and informal open spaces serving separate recreational functions and including an approximate 2.2km public foreshore promenade.
- Built form design principles, maximum building heights and GFA for each development block within the mixed use zone.
- Public domain landscape concept, including parks, streets and pedestrian connections.
- Alteration of the existing seawalls and creation of a partial new shoreline to the harbour.
- Construction, operation and maintenance of a concrete batching plant to supply concrete for construction of future development under this Concept Plan at Barangaroo South.
- No approval is granted or implied for the future use of a heliport and/or a helipad.

This modification will result in a building consistent with the Concept Plan (as modified).

Residential Building R4A – Development Consent SSD 6964

Development consent SSD 6964 was granted by the NSW Minister for Planning on 7 September 2017 for a 72-storey mixed use building, with 327 residential units and retail floor space at ground level. This included a total gross floor area (GFA) of 48,004m², 47,564m² of which was approved for residential floor space, and the remaining 440m² was approved for retail floorspace.

The original consent also approved public domain works, fit-out and use of the basement, a link bridge connecting to Building R4B and associated building identification signage.

SSD 6964 has been amended a number of times to incorporate design changes, alter the internal layout, alter apartment mix and numbers, modify the car parking distribution and other minor amendments to the overall design of the building throughout detailed design.

This modification application represents the fourth modification to the development consent.

Overview of the Proposed Modifications

This modification application seeks consent for the following amendments:

- Transfer of the approved Strada which connects Building R4A and Building R4B from the Building R4A Development Consent (SSD 6964) to the Building R4B Development Consent (SSD 6965).
- Minor landscaping amendments at the ground plane.
- Deletion of conditions relating to the need for obstacle lighting under Part E and F of the development consent.
- Modification to the entry vestibule design.
- Conversion of one x four bedroom apartment on Level 58 to a three bedroom apartment through an amendments of one bedroom to a walk-in-wardrobe.
- The design amendments sought through this application do not change the SEPP65 compliance, but this statement has been included in this submission for completeness.

A further detailed description of the proposed modifications is contained in the supporting letter for the modification application prepared by Ethos Urban.

DESIGN QUALITY PRINCIPLES OF SEPP 65 – BUILDING R4A

The Design Quality Principles remain as previous and are re-stated below:

| Design Quality Principle | Objective / Control | Evaluation | Verification |
|---|---|---|--------------------------------------|
| <p>01 CONTEXT AND NEIGHBOURHOOD CHARACTER</p> | <p><i>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.</i></p> <p><i>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.</i></p> | <ul style="list-style-type: none"> ▪ Barangaroo is situated on the harbour foreshore and marks the western edge of the Sydney CBD. ▪ The site is part of the greater Barangaroo urban regeneration project that is transforming the Sydney Harbour waterfront. ▪ The site sits to the north of the commercial precinct of the Rogers Stirk Harbour + Partners (RSHP) masterplan and is framed by key thoroughfares of Watermans Quay, Barangaroo Avenue and Hickson Road. ▪ Hickson Road incorporates a range of buildings of varied use and age. ▪ Watermans Quay will be defined on the south side by the RSHP commercial building - 'International Tower One' (Commercial Building C3). ▪ Adjacent on Barangaroo Avenue will be the future development of the Crown Hotel and Resort. ▪ The public domain will be defined by the creation of a generous north facing open space, Hickson Park. ▪ This development proposal has been designed concurrently with the public domain and seeks to draw upon the following characteristics of the context to create a high quality outcome: <ul style="list-style-type: none"> - Landscape: builds upon the principles of the greater masterplan vision and is marked by the creation of a north facing public open space. R4A will sit at the south west edge of Hickson Park and define the Watermans Quay, Barangaroo Avenue corner. - Architecture: R4A has been designed as part of an elegant composition of three buildings by the same architect, each founded on the concept of a "crystalline" form. These define the northern edge of Watermans Quay and frame Hickson Park. The building is envisaged as being a pure, transparent and refined form that will read cohesively with the other associated proposed adjacent residential towers and | <p style="text-align: center;">✓</p> |

| Design Quality Principle | Objective / Control | Evaluation | Verification |
|--------------------------|--|--|--------------|
| | | <p>achieve an appropriate transition in architectural style between the natural landscape of the harbour and the commercial vernacular of buildings to the east and south in the Sydney CBD. In this sense they will make a significant positive contribution to the Sydney city skyline.</p> <ul style="list-style-type: none"> - Circulation: A series of links into and through the site define the public realm. Specific to R4A is the inclusion of a strada connecting Watermans Cove to Hickson Park. - Views: The site has views to some of Sydney's prestigious landmarks including the Harbour Bridge, Opera House and the Blue Mountains. Informed by analysis of the existing view corridors, R4A seeks to access these views equitably with consideration to the neighbouring developments. Furthermore, the project will enhance views to the CBD from surrounding key vantage points through its architectural contribution. - Vehicular circulation: vehicular access to the basement has been consolidated into one entry and exit point off Watermans Quay. | |
| 02 BUILT FORM AND SCALE | <p><i>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.</i></p> | <ul style="list-style-type: none"> ▪ The proposed building height and scale is within the defined developable envelopes as per the approved MOD 8 concept plan. ▪ The podium of R4A is three storeys in height and responds to the scale of the RSHP International Tower One podium on the other side of Watermans Quay. ▪ The R4A podium defines the site extent and allows the residential tower to meet the ground plane at a human scale appropriate to the precinct. ▪ R4A is the tallest of the family of three residential towers and responds to the scale of adjacent approved Crown development, with the suite of buildings transitioning in height from west to east to meet the Hickson Road scale. ▪ The building footprint has been carefully designed so that it reads as a crystal like form on the city skyline. | ✓ |

| Design Quality Principle | Objective / Control | Evaluation | Verification |
|--------------------------|--|---|--------------|
| | | <ul style="list-style-type: none"> ▪ The building location and alignment has been carefully considered in relation to the family of three residential towers and is positioned to allow for optimum vistas and views from the site. ▪ The R4A tower is defined by a narrow module which sets a discrete and regular rhythm on the façade. This is punctuated by wintergardens which provide a dynamic building skin that will play with light to enhance the crystalline, lightweight presence of the building. ▪ R4A addresses Waterman’s Quay and Hickson Park to the north with the residential lobby and retail providing activation and appropriate scale to the ground plane. ▪ The orientation and siting of the building relative to adjacent existing and proposed buildings, together with the internal floor layout and features of the façade design, will create a high level of internal and external amenity in terms of visual privacy, outlook/views, solar access, natural ventilation and space functionality. | |
| 03 DENSITY | <p><i>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.</i></p> | <ul style="list-style-type: none"> ▪ The proposed density of the R4A residential tower is appropriate to the site and its urban context. ▪ The R4A residential tower will contribute to the vision of the Barangaroo masterplan as a thriving mixed use community in the Sydney CBD. ▪ The density provides for the efficient use of the land in close proximity to jobs, shops, services and transport. The development can be supported by the surrounding environment, with infrastructure and services readily available, retail, business and recreational hubs immediately nearby and high quality public transport within a short distance. ▪ The design of the three residential towers includes an array of communal residential facilities that provide both indoor and outdoor amenity to residents in the precinct. ▪ The composition of the three residential towers has been carefully considered in relation to the northerly aspect and | ✓ |

| Design Quality Principle | Objective / Control | Evaluation | Verification |
|--------------------------|--|---|--------------|
| | | <p>Sydney Harbour icons and optimises views, solar access and the public open space of the site.</p> <ul style="list-style-type: none"> ▪ Each apartment within R4A has been designed so that the aspect and outlook contribute to the ultimate amenity and well-being of the residents. | |
| 04 SUSTAINABILITY | <p><i>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.</i></p> | <ul style="list-style-type: none"> ▪ The Barangaroo Precinct's sustainability initiatives are extensive and are underpinned by aspirations of carbon neutral, zero waste and water positive. ▪ R4A will be a sustainable residential building, with low operational energy consumption, reduced potable water use, minimisation of waste to landfill and appropriate materials selection while at the same time maintaining a high level of indoor environmental quality through appropriate mechanical design, façade configuration and materials selection. ▪ It will appropriately contribute towards the achievement of the sustainability requirements included in the Statement of Commitments of the approved Concept Plan, is committed to a 5 Star Green Star rating and will meet the requirements of the Building Sustainability Index (BASIX). ▪ The proposed residential development will benefit from Barangaroo South's precinct sustainability initiatives such as the district cooling plant, on-site renewables and generation strategy and precinct recycled water plant. These initiatives are essential to ensure the Barangaroo South achieves sustainability targets such as: <ul style="list-style-type: none"> - Minimal operational energy consumption off-set by offsite renewable energy to ensure a carbon neutral precinct. - The capability to export more recycled water than potable water is imported to ensure a positive water impact. - An 80% operational waste diverted from landfill, targeting zero net waste to landfill by 2020. - 20% reduction in embodied carbon (cradle to gate) not including tenant fit outs. | ✓ |

| Design Quality Principle | Objective / Control | Evaluation | Verification |
|--------------------------|---|--|--------------|
| | | <ul style="list-style-type: none"> - On site renewables of an amount to offset public realm and the recycled water treatment plant energy use. ▪ Further, individual apartments are located and oriented to maximise opportunities for controlled solar access and natural ventilation, minimising energy use and maximise the efficient use of resources. | |
| 05 LANDSCAPE | <p><i>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, co-ordinating water and soil management, solar access, micro-climate, tree canopy, habitat values and preserving green networks. Good landscape design optimises useability, privacy and opportunities for social interaction, equitable access, respect for neighbours' amenity and provides for practical establishment and long term management.</i></p> | <ul style="list-style-type: none"> ▪ The public domain and architecture have been developed through a collaborative design process. The public domain is seen as an extension of the building architecture and is an integral component of the proposal in the context of its urban setting and connectivity with the wider precinct. ▪ Hickson Park will be a significant new addition to the framework of the public realm for the city. In addition the park will provide an extension of the residential amenity of the towers and access to green open space. ▪ The design approach to the landscape for the podium includes careful consideration of the need to provide a variety of spaces and experiences that provide necessary respite and refuge from the busy CBD and also capitalises on the impressive outward distant views across the harbour towards Balmain and Pyrmont. The design will also provide excellent views down to Watermans Cove. ▪ The podium will feel like a private garden. A garden which strives to engender ownership by residents of the tower, provide a place in which they can relax and feel comfortable in - away from the busy city streets - and engage in the magnificent harbourside setting. ▪ The landscaped podium roofs will also provide an attractive outlook for the proposed adjacent developments. | ✓ |

| Design Quality Principle | Objective / Control | Evaluation | Verification |
|--------------------------|--|--|--------------|
| 06 AMENITY | <p><i>Good design positively influences internal and external amenity for residents and neighbours. Achieving good amenity contributes to positive living environments and resident well being. 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.</i></p> | <ul style="list-style-type: none"> ▪ The amenity of the proposed R4A apartments is of a high quality. Internal spaces include: <ul style="list-style-type: none"> - Open planned interiors which maximise the useability of each space with generous internal dimensions and functionality. - Wintergardens are continuation of the internal living space in size and materiality. The proportions are deep enough to be comfortably furnished whilst allowing penetration of winter sun into living spaces. - Wintergardens are provided at higher levels to support the useability of outdoor spaces throughout the year. - The design of the building façade promotes connectivity with the natural environment and natural ventilation, in conjunction with a high thermal performance providing ultimate comfort for residents. - Ceiling heights exceed minimum requirements in many cases and are designed to complement the proportions of the internal apartment spaces. The ceiling heights of some non-habitable areas is 2.37m, which is 30mm lower than the 2.4m required by the ADG. Despite the minor variation, the reduced ceiling height will achieve sufficient natural ventilation and daylight access, which meets the objectives of the design criteria. - Access to views and vistas, including the Harbour Bridge, Opera House and the Blue Mountains, have been maximised. - Access design allows for all users to circulate throughout the development. - Split cores serve specific levels of the building creating a sense of community through vertical villages. - Privacy is established for apartments through careful building siting, façade design and floor plan orientation to surrounding landscape and view lines rather than directly into adjacent residences. | ✓ |

| Design Quality Principle | Objective / Control | Evaluation | Verification |
|---|--|--|--------------|
| 07 SAFETY | <p><i>Good design optimises 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.</i></p> | <ul style="list-style-type: none"> ▪ The proposal is designed in keeping with the 4 CPTED principles: <ul style="list-style-type: none"> - Surveillance - Access control - Territorial reinforcement - Space management. ▪ Public spaces around the buildings have clear sight lines. ▪ The R4A proposal includes a strada that reinforces both visual and pedestrian connectivity between the parkland and the cove ensuring the perimeter of the residential buildings have opportunities for activation and passive surveillance. ▪ The lobby to R4A provides a direct and legible means of access from Barangaroo Avenue and the public realm. ▪ The R4A proposal provides retail activation along the southern edge of Hickson Park, through the strada to the corner of Barangaroo Avenue and Watermans Quay. ▪ External spaces within the site are designed to be lit in a controlled fashion, providing sufficient illumination for security without impacting residents. ▪ Secure entries are provided at both ground floor lobbies and basement carpark to control access to the building interiors. | ✓ |
| 08 HOUSING DIVERSITY & SOCIAL INTERACTION | <p><i>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 and providing opportunities for social interaction among residents.</i></p> | <ul style="list-style-type: none"> ▪ The R4A proposal contributes to the overall vision of the Barangaroo masterplan as a mixed use community. ▪ A range of 1, 2, 3 and 4 bedroom apartments are provided in a range of sizes and types to cater for the likely future demographic makeup of the precinct. ▪ The apartment mix has been considered across the family of three buildings with affordable housing provided. ▪ The apartments are designed with regard for furnishability, circulation and flow. Rooms are well oriented with views to the surrounding parkland and water. | ✓ |

| Design Quality Principle | Objective / Control | Evaluation | Verification |
|--------------------------|---|---|--------------|
| 09 AESTHETICS | <p><i>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.</i></p> | <ul style="list-style-type: none"> ▪ The massing of the tower has been carefully composed as part of a composition of buildings fringing Hickson Park, featuring: <ul style="list-style-type: none"> - A series of dynamic, breathable glass facades each focusing on specific views towards the prime vistas and landmarks of the harbour; - Facades that express the facet of a crystal and together play with the light reflections from the sky and glittering harbour water, reflecting their setting. ▪ The R4A podium form and façade detailing responds to the surrounding contextual cues and brings the tower to the ground at a human scale. ▪ The proposal utilises a set of quality material textures and fittings which create visual interest in an appropriate and harmonious way within the sites wider context. | ✓ |

DESIGN OBJECTIVES & GUIDANCE COMPLIANCE

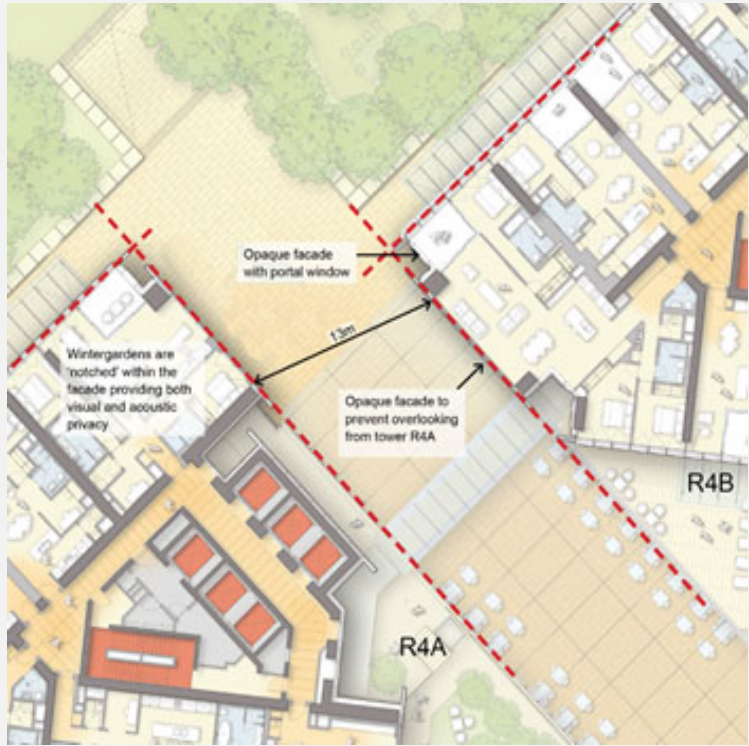
The following table lists the Objectives and associated Design Criteria of the Apartment Design Guide (ADG), and assesses whether the project achieves the intent of those Objectives, as required by Clause 115(3A) of the EPA Regulation.

The R4A project was assessed under the previous S4.55 of September 2019; to maintain a wholistic set of information this prior content is retained in the Design Objectives and Guidance Compliance Table below. Where new information to the Level 67 Sub-Penthouse, and Levels 68 / 69 Penthouse is relevant to the 'Achievement of Objective' this is provided under the sub-heading '**Level 67 Sub-Penthouse, Levels 68 / 69 Penthouse**'.

The assessment demonstrates that the proposed development is consistent with the relevant objectives and the majority of the numeric Design Criteria, and that all apartments within the proposed development will achieve a very high standard of residential amenity. Where an alternative solution is proposed to the Design Criteria to meet the Objectives, the proposal's consistency with the Objectives and associated Design Guidance is discussed in further detail below the table.

| Design Criteria | Approved | Proposal | Achievement of Objective |
|--|----------------------|----------------------------|--|
| Part 3 Siting the Development | | | |
| 3D Communal and Public Open Space | | | |
| <i>Objective 3D-1</i> An adequate area of communal open space is provided to enhance residential amenity and to provide opportunities for landscaping | ✓ | ✓ No change to approved | |
| <i>Design Criteria</i> Communal open space has a minimum area equal to 25% of the site | ✓ | ✓ No change to approved | |
| 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) | Achieves intent → | ✓ No change to approved | <p>A total of 59% of the Building R4A site area has been provided as communal and publicly accessible open space, exceeding the Design Criteria minimum by 34%. Of this communal and publicly accessible space 44% achieves direct sunlight during the winter solstice. Achieving direct sunlight to 50% of the total communal and publicly accessible open space would require direct sunlight to 29% of the Building R4A site area, which is well over double the 12.5% of the site area recommended by the ADG if the minimum area of communal and public open space was provided (i.e. 50% of 25% of the site area).</p> <p>More broadly, the communal and publicly accessible open spaces within Buildings R4A, R4B and R5 will be accessible to the occupants of all three towers. Additionally, the residents of Buildings R4A, R4B and R5 gain amenity from their position adjoining the future Hickson Park, a large open space to the north, which will receive plenty of solar access throughout the year.</p> <p>In light of the above, the proposed communal open space achieves the intent of Objective 3D-1 as adequate area of communal open space will be provided in a way that enhances the residential amenity of the development.</p> |
| 3E Deep Soil Zones | | | |

| Design Criteria | | | Approved | Proposal | Achievement of Objective | | | | | | |
|--|--------------------|---------------------------------|----------------------|----------------------------|---|----------------------------------|----|----|----------------------|----------------------------|---|
| <p><i>Objective 3E-1</i> Deep soil zones provide areas on the site that allow for and support healthy plant and tree growth. They improve residential amenity and promote management of water and air quality.</p> | | | Achieves intent → | ✓ No change to approved | Refer to discussion below, the site includes a site-wide basement, which precludes the provision of deep soil areas, although provides sufficient soil depth for plating of mature trees. | | | | | | |
| <p><i>Design Criteria</i> Deep soil zones are to meet the following minimum requirements:</p> <table border="1"> <thead> <tr> <th>Site Area</th> <th>Minimum Dimensions</th> <th>Deep Soil Zone (% of site area)</th> </tr> </thead> <tbody> <tr> <td>Greater than 1,500m²</td> <td>6m</td> <td>7%</td> </tr> </tbody> </table> | | | Site Area | Minimum Dimensions | Deep Soil Zone (% of site area) | Greater than 1,500m ² | 6m | 7% | Achieves intent → | ✓ No change to approved | <p>Deep Soil Zones are defined as 'areas of soil within a development that are unimpeded by buildings or structures above and below ground and have a minimum dimension of 6m. Deep soil zones exclude basement car parks, services, swimming pools, tennis courts and impervious surfaces including car parks, driveways and roof areas.'</p> <p>Buildings R4A, R4B and R5 are positioned above a site-wide basement, which precludes the provision of deep soil zones. The Design Guidance acknowledges this may not be possible on sites where:</p> <ul style="list-style-type: none"> - 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); and / or - There is 100% site coverage or non-residential uses at ground floor level. <p>Consistent with the Design Guidance, the site is located in a high density precinct, within the Central Business District. There are also non-residential uses at ground floor which limit the provision of deep soil zones.</p> <p>Notwithstanding this, the proposal meets Objective 3E-1 with the landscape design developed by Grant Associates featuring a combination of hardscape, bed planting and new planting in specially designed pits to ensure healthy growth and long term viability. A range of sustainable stormwater management solutions are also proposed in the precinct, as set out in the ESD Report, Services Report and the Construction Framework Environmental Management Plan.</p> |
| Site Area | Minimum Dimensions | Deep Soil Zone (% of site area) | | | | | | | | | |
| Greater than 1,500m ² | 6m | 7% | | | | | | | | | |
| 3F Visual Privacy | | | | | | | | | | | |
| <p><i>Objective 3F-1</i> Adequate building separation distances are shared equitably between neighbouring sites, to achieve reasonable levels of external and internal visual privacy.</p> | | | ✓ | ✓ No change to approved | | | | | | | |
| <p><i>Design Criteria</i> Separation between windows and balconies is provided to ensure visual privacy is achieved. Minimum required separation distances from</p> | | | Achieves intent → | ✓ No change to approved | The minimum separation distance between the habitable rooms of adjacent Buildings R4A and R4B is: | | | | | | |

| Design Criteria | | | Approved | Proposal | Achievement of Objective |
|---|-------------------------------|---------------------|----------|----------|---|
| buildings to the side and rear boundaries are as follows: | | | | | <ul style="list-style-type: none"> - Approximately 18m between the wintergarden in Building R4A and Building R4B on Levels 01-58 (Building R4A) and Levels 01-57 (Building R4B); and - Approximately 13m between bedrooms in Building R4A on Levels 01-58 and the living room and wintergarden in Building R4B. <p>These separation distances are shown in the figure below. In both instances, the separation is less than the 24m between habitable rooms and wintergarden recommended in the Design Criteria.</p>  |
| Building Height | Habitable rooms and balconies | Non-habitable rooms | | | |
| Up to 12m (4 storeys) | 6m | 3m | | | |
| Up to 25m (5-8 storeys) | 9m | 4.5m | | | |
| Over 25m (9+ storeys) | 12m | 6m | | | |

Separation between R4A and R4B demonstrating the orientation of apartments towards key views, mitigating cross-viewing.

| Design Criteria | Approved | Proposal | Achievement of Objective |
|-----------------|----------|----------|---|
| | | | <p>It is noted that the separation between Building R4A and the approved Crown Sydney Hotel and Resort is 27m, and so exceeds the recommended Design Criteria.</p> <p>With regards to the separation between Buildings R4A and R4B, and consistent with the Design Guidance, the architectural composition and alignment of the buildings in relation to each other has been carefully considered to maximise views and outlook, whilst providing privacy between the buildings to achieve the intent of Objective 3F-1 as follows:</p> <ul style="list-style-type: none"> - Sightlines into a living area or wintergarden from an adjacent living area or wintergarden have been avoided by arrangement of the floor layout of each building and apartment. - Sightlines from living areas / wintergardens into bedrooms, and vice versa, are obstructed by architectural elements including opaqued facades and overlapping façade wings. - The relevant apartments are offset, or oriented towards available views to the north and north-east, rather than towards the bedrooms and living rooms of the apartments of the adjacent building (which are north-west and south-east from R4A and east and north-west from R4B). <p>At the closest interfaces between the two buildings, measures have been incorporate to limit overlooking (see figure below). The R4A and R4B wintergarden are 18m apart with an opaque screen on R4B to provide additional privacy. The wintergardens are also both orientated to the primary view line and are notched within the facade providing both visual and acoustic privacy. Overlapping façade wings also minimise overlooking. The western façade of Building R4B opposite the lift core also has an opaque finish to prevent introspection from R4A.</p> <p>Furthermore, the potential for development on adjacent land has been thoroughly considered. The proposed building forms part of a unified architectural composition together with the approved Crown Sydney Hotel and Resort. The siting of the buildings is intended to achieve a better amenity outcome and more efficient use of the land than a scheme that strictly meets the Design Criteria separations. The Concept Plan design responds to the height and separation from Central Barangaroo and the substantial amenity provided by the outlook and views across the park and to the more significant distant views. By grouping the towers at the southern end of the site the maximum number of apartments are given the opportunity to benefit from the amenity of having uninterrupted views, rather than spacing them to achieve a 'compliant' 24m across to another tower.</p> |

| Design Criteria | Approved | Proposal | Achievement of Objective |
|---|----------------------|----------------------------|---|
| | | | <p>The proposed design cleverly deals with the immediate privacy interface through apartment layouts, the inclusion of appropriate architectural responses, and the orientation of the buildings to minimise sightlines between buildings and maximise exposure to the north facing views. With this in mind any additional separation distance would not materially benefit the occupants of the proposed buildings.</p> <p>Considering the architectural responses, view line orientation and the site's context in the dense urban environment that is the Sydney CBD, the proposed building separation distances will achieve a reasonable level of external and internal visual privacy, consistent with Objective 3F-1.</p> |
| 3J Bicycle and Car Parking | | | |
| <p><i>Objective 3J-1</i> Car Parking is provided based on proximity to public transport in metropolitan Sydney and centres in regional areas</p> | ✓ | ✓ No change to approved | |
| <p><i>Design Criteria</i> For development in the following locations:</p> <ul style="list-style-type: none"> ▪ 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 <p>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.</p> | ✓ | ✓ No change to approved | Parking is provided as per the limits specified in the approved Concept Plan (MP06_0162). |
| Part 4 Designing the Buildings | | | |
| 4A Solar and Daylight access | | | |
| <p><i>Objective 4A-1</i> To optimise the number of apartments receiving sunlight to habitable rooms, primary windows and private open space</p> | ✓ | ✓ No change to approved | |
| <p><i>Design Criteria</i> 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</p> | Achieves intent → | Achieves intent → | Level 67 Sub-Penthouse and Levels 68 / 69 Penthouse: Both the level 67 Sub-Penthouse and Levels 68 / 69 Penthouse have living spaces orientated towards North. Both apartments achieve intent. |

| Design Criteria | Approved | Proposal | Achievement of Objective |
|--|----------------------|----------------------------|---|
| and 3 pm at mid winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas. | | | <p>Prior content, with adjustment: Consistent with the Design Guidance the proposed apartment layout and design optimises the number of apartments that receive sunlight. A total of 65% of apartment living areas and private open spaces in Building R4A will achieve 2 hours of direct sunlight between 9am and 3pm in mid-winter, 5% below the 70% target recommended by the Design Criteria.</p> <p>Solar access to Building R4A is constrained by the existing CBD development to the east and development proposed to the west. However, as One Sydney Harbour is positioned near the harbour edge, further development to the west is highly unlikely to occur in the future, and therefore the precinct will receive direct sunlight even at low solar altitudes. For this reason, daylight access has also been studied for the 9am-5pm period. During this extended 9am to 5pm period, 96% of apartments will achieve 2 hours of direct sunlight to apartment living areas and private open space, exceeding the 70% target recommended by the Design Criteria.</p> <p>The proposed variation to the Design Criteria is considered minor (equating to 15 apartments out of the 315 apartments) in the context of the scale of the development and the other amenity benefits afforded on the site through access to open space, views and recreational opportunities of the Barangaroo site and broader CBD.</p> <p>Additionally, the proposed façade typology will allow a high light transmission glass to be used, with automated cavity blinds providing solar control when needed.</p> <p>In light of the above the development achieves Objective 4A-1 by optimising the number of apartments receiving good daylight access to functional areas of the dwelling.</p> |
| A maximum of 15% of apartments in a building receive no direct sunlight between 9 am and 3 pm at mid winter. | Achieves intent → | ✓ No change to approved | |
| 4B Natural Ventilation | | | |
| <i>Objective 4B-3</i> The number of apartments with natural cross ventilation is maximised to create a comfortable indoor environment for residents | ✓ | ✓ No change to approved | |
| <i>Design Criteria</i> 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. | ✓ | ✓ No change to approved | <p>Level 67 Sub-Penthouse and Levels 68 / 69 Penthouse: Both the level 67 Sub-Penthouse and Levels 68 / 69 Penthouse have full floor apartment arrangements with capacity for natural cross-ventilation. Wintergarden and apartment typical glazed façade systems have a unique open cavity feature and permit natural ventilation</p> <p>Prior content:</p> |

| Design Criteria | Approved | Proposal | Achievement of Objective | | | | | | | | | | | | |
|--|--|----------------------------|--|------|---------------|------|-------------------------|--|--------------|---|-------------------------------|--|----------------------|----------------------------|---|
| | | | Small percentage of apartments is provided with ducted cross-ventilation. The design is achieving the intent of the ADG. | | | | | | | | | | | | |
| Overall depth of a cross-over or cross-through apartment does not exceed 18m, measured glass line to glass line. | ✓ | ✓ No change to approved | | | | | | | | | | | | | |
| 4C Ceiling Height | | | | | | | | | | | | | | | |
| <i>Objective 4C-1</i> Ceiling height achieves sufficient natural ventilation and daylight access | ✓ | ✓ | | | | | | | | | | | | | |
| <p><i>Design Criteria</i> Measured from finished floor level to finished ceiling level, minimum ceiling heights are:</p> <table border="1"> <tr> <td colspan="2">Minimum ceiling height</td> </tr> <tr> <td>Habitable rooms</td> <td>2.7m</td> </tr> <tr> <td>Non-habitable</td> <td>2.4m</td> </tr> <tr> <td>For 2 storey apartments</td> <td>2.7m for main living area floor 2.4m for second floor, where its area does not exceed 50% of the apartment area</td> </tr> <tr> <td>Attic spaces</td> <td>1.8m at edge of room with a 30 degree minimum ceiling slope</td> </tr> <tr> <td>If located in mixed use areas</td> <td>3.3m for ground and first floor to promote future flexibility of use</td> </tr> </table> <p>These minimums do not preclude higher ceilings if desired.</p> | Minimum ceiling height | | Habitable rooms | 2.7m | Non-habitable | 2.4m | For 2 storey apartments | 2.7m for main living area floor 2.4m for second floor, where its area does not exceed 50% of the apartment area | Attic spaces | 1.8m at edge of room with a 30 degree minimum ceiling slope | If located in mixed use areas | 3.3m for ground and first floor to promote future flexibility of use | Achieves intent → | ✓ No change to approved | <p>Level 67 Sub-Penthouse and Levels 68 / 69 Penthouse: The level 67 Sub-Penthouse has ceiling heights that exceed the criteria. The Master Bedroom walk-in-wardrobe is considered non-habitable and has a proposed ceiling height exceeding the design criteria. The levels 68 / 69 Penthouse has ceiling heights that exceed the criteria.</p> <p>Prior content: The living, dining and kitchen open plan design means the majority of the habitable space has a 2.7m ceiling height. The bulkhead is integrated in the interior design and lines up with the front of the island bench to reduce the extent of the 2.4m ceiling. As the 2.4m ceiling is a small percentage of the habitable area and in the wet area, the design is achieving the intent of the ADG.</p> <p>The ceiling heights of some non-habitable areas is 2.37m, which is 30mm lower than the 2.4m required by the ADG. Despite the minor variation, the reduced ceiling height will achieve sufficient natural ventilation and daylight access, which meets the objectives of the design criteria.</p> |
| Minimum ceiling height | | | | | | | | | | | | | | | |
| Habitable rooms | 2.7m | | | | | | | | | | | | | | |
| Non-habitable | 2.4m | | | | | | | | | | | | | | |
| For 2 storey apartments | 2.7m for main living area floor 2.4m for second floor, where its area does not exceed 50% of the apartment area | | | | | | | | | | | | | | |
| Attic spaces | 1.8m at edge of room with a 30 degree minimum ceiling slope | | | | | | | | | | | | | | |
| If located in mixed use areas | 3.3m for ground and first floor to promote future flexibility of use | | | | | | | | | | | | | | |
| 4D Apartment Size and Layout | | | | | | | | | | | | | | | |
| <i>Objective 4D-1</i> The layout of rooms within an apartment is functional, well organised and provides a high standard of amenity | ✓ | ✓ No change to approved | | | | | | | | | | | | | |

| Design Criteria | Approved | Proposal | Achievement of Objective | | | | | | | | | | |
|--|-----------------------|----------------------------|--|------------------|-----------|------------------|-----------|------------------|-----------|------------------|---|----------------------------|--|
| <p><i>Design Criteria</i> Apartments are required to have the following minimum internal areas:</p> <table border="1"> <thead> <tr> <th>Apartment Type</th> <th>Minimum internal area</th> </tr> </thead> <tbody> <tr> <td>Studio</td> <td>35m²</td> </tr> <tr> <td>1 bedroom</td> <td>50m²</td> </tr> <tr> <td>2 bedroom</td> <td>70m²</td> </tr> <tr> <td>3 bedroom</td> <td>90m²</td> </tr> </tbody> </table> <p>The minimum internal areas include only one bathroom. Additional bathrooms increase the minimum internal area by 5m² each. A fourth bedroom and further additional bedrooms increase the minimum internal area by 12m² each.</p> | Apartment Type | Minimum internal area | Studio | 35m ² | 1 bedroom | 50m ² | 2 bedroom | 70m ² | 3 bedroom | 90m ² | ✓ | ✓ No change to approved | |
| Apartment Type | Minimum internal area | | | | | | | | | | | | |
| Studio | 35m ² | | | | | | | | | | | | |
| 1 bedroom | 50m ² | | | | | | | | | | | | |
| 2 bedroom | 70m ² | | | | | | | | | | | | |
| 3 bedroom | 90m ² | | | | | | | | | | | | |
| <p>Every habitable room must have a window in an external wall with a total minimum glass area of not less than 10% of the floor area of the room. Daylight and air may not be borrowed from other rooms.</p> | Achieves intent. → | ✓ No change to approved | <p>All apartments in Building R4A exceed the minimum internal areas nominated by the Design Criteria, and have been designed to achieve a high level of amenity with a predominantly glazed façade and abundance of natural light.</p> <p>In some apartments studies do not have direct access to windows. In instances where this occurs, the proposed design is consistent with the Design Guidance under Objective 4D-1 and the Design Criteria under Objective 4D-2 by providing a direct line of sight to a window / natural light that is generally 8m from the glass line to allow for the sharing of natural light and ventilation. On this basis, the Objectives to provide rooms with a high standard of amenity will be achieved.</p> | | | | | | | | | | |
| <p><i>Objective 4D-2</i> Environmental performance of the apartment is maximised</p> | ✓ | ✓ No change to approved | | | | | | | | | | | |
| <p><i>Design Criteria</i> Habitable room depths are limited to a maximum of 2.5 x the ceiling height.</p> | Achieves intent → | ✓ No change to approved | <p>Level 67 Sub-Penthouse and Levels 68 / 69 Penthouse: Both the level 67 Sub-Penthouse and the levels 68 / 69 Penthouse are substantial apartments with generous living and bedroom areas with generous ceiling heights. The ceiling heights are typically greater than the minimum criteria of 4C above, hence habitable room depths achieve intent.</p> | | | | | | | | | | |
| <p>In open plan layouts (where the living, dining and kitchen are combined) the maximum habitable room depth is 8m from a window.</p> | Achieves intent → | ✓ No change to approved | <p>Whilst some apartments in Building R4A have a habitable room depth of up to 8.5m, a minor variation to the Design Criteria, the apartment design will achieve Objective 4D-2, and will maximise the environmental performance of the apartments as follows:</p> <ul style="list-style-type: none"> - the majority of the kitchen area, including the main work surfaces, is within approximately 8m of the window; - the windows are full height windows which will allow large amounts of light to reach the | | | | | | | | | | |

| Design Criteria | Approved | Proposal | Achievement of Objective | | | | | | | | | | | | |
|--|------------------|----------------------------|--|------------------|-----------------|---|---------------------|-----------------|----|---------------------|------------------|----|----------------------|----------------------------|---|
| | | | back of the habitable space; and → the spaces are open plan, and there are no walls or obstructions between the windows and the kitchen area and therefore the layout does not impede internal access to light and ventilation. | | | | | | | | | | | | |
| <i>Objective 4D-3</i> Apartment layouts are designed to accommodate a variety of household activities and needs | ✓ | ✓ No change to approved | | | | | | | | | | | | | |
| <i>Design Criteria</i> Master bedrooms have a minimum area of 10m ² and other bedrooms 9m ² (excluding wardrobe space). | ✓ | ✓ No change to approved | | | | | | | | | | | | | |
| Bedrooms have a minimum dimension of 3m (excluding wardrobe space). | ✓ | ✓ No change to approved | | | | | | | | | | | | | |
| 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 | ✓ | ✓ No change to approved | | | | | | | | | | | | | |
| ▪ The width of cross-over or cross-through apartments are at least 4m internally to avoid deep narrow apartment layouts. | ✓ | ✓ No change to approved | | | | | | | | | | | | | |
| 4E Private Open Space and Balconies | | | | | | | | | | | | | | | |
| <i>Objectives 4E-1</i> Apartments provide appropriately sized private open space and balconies to enhance residential amenity | ✓ | ✓ No change to approved | | | | | | | | | | | | | |
| <i>Design Criteria</i> All apartments are required to have primary balconies as follows: <table border="1" data-bbox="219 1161 750 1388"> <thead> <tr> <th>Dwelling Type</th> <th>Minimum Area</th> <th>Minimum internal area</th> </tr> </thead> <tbody> <tr> <td>Studio apartment</td> <td>4m²</td> <td>-</td> </tr> <tr> <td>1 bedroom apartment</td> <td>8m²</td> <td>2m</td> </tr> <tr> <td>2 bedroom apartment</td> <td>10m²</td> <td>2m</td> </tr> </tbody> </table> | Dwelling Type | Minimum Area | Minimum internal area | Studio apartment | 4m ² | - | 1 bedroom apartment | 8m ² | 2m | 2 bedroom apartment | 10m ² | 2m | Achieves intent → | ✓ No change to approved | Level 67 Sub-Penthouse and Levels 68 / 69 Penthouse: Both the level 67 Sub-Penthouse and the levels 68 / 69 Penthouse have multiple wintergarden amenities that exceed the minimum design criteria. Prior content: All wintergardens for the 1 bedroom apartments are consistent with the Design Criteria and wintergardens for all typologies achieve or exceed the minimum depths. However some of the 2 and 3 bedroom apartments have wintergardens which are slightly smaller than recommended by the ADG. The 2 bedroom apartments have wintergardens which are 0.2 - 0.4m ² smaller than the recommended Design Criteria. The 3 bedroom apartments have wintergardens which are 1.4 – 1.6m ² smaller than the recommended Design Criteria. The |
| Dwelling Type | Minimum Area | Minimum internal area | | | | | | | | | | | | | |
| Studio apartment | 4m ² | - | | | | | | | | | | | | | |
| 1 bedroom apartment | 8m ² | 2m | | | | | | | | | | | | | |
| 2 bedroom apartment | 10m ² | 2m | | | | | | | | | | | | | |

| Design Criteria | | | Approved | Proposal | Achievement of Objective | | | | | | | | | | | | |
|---|--------------------------------|------|----------------------|----------------------------|--|-----------------------------------|--|-----------|----------------------|-----------------|-------------------------|-------------------|--------------------------|----------|-----------------------|-------------------|--------------------------------|
| 3+ bedroom apartment | 12m ² | 2.4m | | | <p>proposed variations are considered minor, and the minimum depth is met or exceeded in all instances, thereby ensuring the useability and functionality of the outdoor space.</p> <p>All wintergardens are of a size and shape which is practical, usable and able to be furnished. Finally, residents of One Sydney Harbour will have access to Hickson Park, which will provide extensive open space for passive and active recreation.</p> <p>In light of the above the proposed wintergardens achieve the intent of Objective 4E-1 as they will provide appropriately sized open space and wintergardens that enhance residential amenity.</p> | | | | | | | | | | | | |
| The minimum balcony depth to be counted as contributing to the balcony area is 1m. | | | | | | | | | | | | | | | | | |
| For apartments at ground level or on a podium or similar structure, a private open space is provided instead of a balcony. It must have a minimum area of 15m ² and a minimum depth of 3m. | | | N/A | N/A | | | | | | | | | | | | | |
| 4F Common Circulation and Spaces | | | | | | | | | | | | | | | | | |
| <i>Objective 4F-1</i> Common circulation spaces achieve good amenity and properly service the number of apartments | | | ✓ | ✓ No change to approved | | | | | | | | | | | | | |
| <i>Design Criteria</i> The maximum number of apartments off a circulation core on a single level is eight. | | | ✓ | ✓ No change to approved | <p>Level 67 Sub-Penthouse and Levels 68 / 69 Penthouse: Both the level 67 Sub-Penthouse and the levels 68 / 69 Penthouse are the sole apartments to their floor, they do not share a circulation core.</p> <p>Prior content: This building has maximum of six apartments per core</p> | | | | | | | | | | | | |
| For buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40. | | | Achieves intent → | ✓ No change to approved | <p>In Building R4A, the ratio of lifts to apartments is 1:55. The proposal seeks to vary the recommended ratio, the lift service has been designed to be commensurate with global standards for luxury residential apartments, using high speed lifts and low interval waiting times (refer to table below). As detailed in the Services Report, the following indicative performance guidelines have been adopted as part of the performance criteria for the lifts in each tower.</p> <table border="1" data-bbox="1108 1133 2049 1324"> <thead> <tr> <th colspan="2">Indicative Performance Guidelines</th> </tr> </thead> <tbody> <tr> <td>Occupancy</td> <td>1.5 persons/ bedroom</td> </tr> <tr> <td>Lift Dispatcher</td> <td>Conventional Collective</td> </tr> <tr> <td>Lift Traffic Type</td> <td>Two way – no interfloor.</td> </tr> <tr> <td>Interval</td> <td><60s seconds at lobby</td> </tr> <tr> <td>Handling Capacity</td> <td>10% of population in 5 minutes</td> </tr> </tbody> </table> <p>With the above in mind, the proposal will achieve the intent of the Objective 4F-1.</p> | Indicative Performance Guidelines | | Occupancy | 1.5 persons/ bedroom | Lift Dispatcher | Conventional Collective | Lift Traffic Type | Two way – no interfloor. | Interval | <60s seconds at lobby | Handling Capacity | 10% of population in 5 minutes |
| Indicative Performance Guidelines | | | | | | | | | | | | | | | | | |
| Occupancy | 1.5 persons/ bedroom | | | | | | | | | | | | | | | | |
| Lift Dispatcher | Conventional Collective | | | | | | | | | | | | | | | | |
| Lift Traffic Type | Two way – no interfloor. | | | | | | | | | | | | | | | | |
| Interval | <60s seconds at lobby | | | | | | | | | | | | | | | | |
| Handling Capacity | 10% of population in 5 minutes | | | | | | | | | | | | | | | | |

| Design Criteria | Approved | Proposal | Achievement of Objective | | | | | | | | | | |
|--|------------------|----------------------------|---|------------------|-----------------|---------------------|-----------------|---------------------|-----------------|----------------------|------------------|--|--|
| 4G Storage | | | | | | | | | | | | | |
| <i>Objective 4G-1</i> Adequate, well designed storage is provided in each apartment | ✓ | ✓ No change to approved | | | | | | | | | | | |
| <i>Design Criteria</i> In addition to storage in kitchens, bathrooms and bedrooms, the following storage is provided: | ✓ | ✓ No change to approved | Level 67 Sub-Penthouse and Levels 68 / 69 Penthouse: Both the level 67 Sub-Penthouse and the levels 68 / 69 Penthouse have considerable storage internal to the apartment, and have basement storage provision. | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Dwelling Type</th> <th>Minimum Area</th> </tr> </thead> <tbody> <tr> <td>Studio apartment</td> <td>4m²</td> </tr> <tr> <td>1 bedroom apartment</td> <td>6m²</td> </tr> <tr> <td>2 bedroom apartment</td> <td>8m²</td> </tr> <tr> <td>3+ bedroom apartment</td> <td>10m²</td> </tr> </tbody> </table> | Dwelling Type | Minimum Area | | Studio apartment | 4m ² | 1 bedroom apartment | 6m ² | 2 bedroom apartment | 8m ² | 3+ bedroom apartment | 10m ² | | |
| Dwelling Type | Minimum Area | | | | | | | | | | | | |
| Studio apartment | 4m ² | | | | | | | | | | | | |
| 1 bedroom apartment | 6m ² | | | | | | | | | | | | |
| 2 bedroom apartment | 8m ² | | | | | | | | | | | | |
| 3+ bedroom apartment | 10m ² | | | | | | | | | | | | |
| At least 50% of the required storage is to be located within the apartment. | | | | | | | | | | | | | |

ADAPTABLE AND SILVER LEVEL HOUSING OBJECTIVES

| Design Criteria | Achievement of Objective |
|---|---|
| <i>Objective 4Q-1</i> Universal design features are included in apartment design to promote flexible housing for all community members | All apartments include universal design characteristics to all for flexible use. |
| <i>Objective 4Q-2</i> A variety of apartments with adaptable designs are provided | All apartments are of a size and proportion that allow for flexible use and accommodate range of lifestyle needs. |
| <i>Objective 4Q-3</i> Apartment layouts are flexible and accommodate a range of lifestyle needs | As above |