CRONE ARCHI TECTS

Design Report
Thornton Central Village
Lot 3003, Penrith NSW 2750

Development Application 01 17.11.21 Client: Thornton Operations Pty Ltd



Thornton Central Village Development Application 01





This Design Report has been prepared to support a development application (DA) which seeks consent for the following development at 184 Lord Sheffield Circuit Penrith (Lot 3003 in DP1184498):

- Demolition of all existing site features and improvements;
- Construction and operation of a new mixed use development, comprising:
- One storey basement, containing a total of 85 x retail car parking spaces, a click-and-collect facility, waste rooms, a retail lobby entry, plant rooms, and other ancillary back-of-house areas;
- Five-storey podium comprising:
 - Retail tenancies, a mainline supermarket, residential and commercial lobby entries, a loading dock, vehicle access, and back-of-house areas at Ground Level;
 - A child care centre and medical facility at Level 01;
- Shared car parking at Levels 01 04 (providing a total of 333 x residential car parking spaces, 35 x retail car parking spaces, and 2 x car wash bays);
- A residential building (referred to as Tower A), with a maximum rise of 27 storeys (Level 05 Level 31) containing a total of 241 x residential apartments;
- A residential building (referred to as Tower B), with a maximum rise of 9 storeys (Level 05 Level 13) containing a total of 75 x residential apartments;
- Creation of new east-west publicly accessible through-site link;
- New landscaping works and other public domain works; and
- Ancillary works, including site services and connections and stormwater infrastructure.

00 — Contents

01. Design Statement

02. SEPP 65 Design Quality Principles - Design Response

Principle 1: Context and Neighbourhood Character

Principle 2: Built Form and Scale

Principle 3: Density

Principle 4: Sustainability

Principle 5: Landscape

Principle 6: Amenity

Principle 7: Safety

Principle 8: Housing Diversity & Social Interaction

Principle 9: Aesthetics

03. SEPP 65 Compliance Table





Thornton Central Village Design Statement

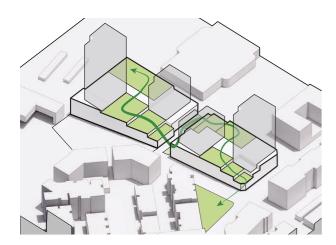
THE MASTERPLAN

'Thornton Central Village' is a bold masterplan, transforming over one hectares of greenfield land into a local retail village and residential development for over 1,000 residents.

Located within Penrith City and adjacent to the new Penrith Railway Station, the masterplan concept is about neighbourhood, community and connection to the nature of the Blue Mountains.

The built form includes four residential towers of varying heights and profile, located on an above ground landscaped podium transitioning down to the pedestrian scale of the through site link and retail village.

The design has been informed by our Connect with Country process with Deerubbin Local Aboriginal Land Council (DLALC), providing valuable insight into the local area and tradition.



Contextual Green Ribbon

LOCATION

The project is located between Lord Sheffield Circuit and Dunshea Street, Thornton. Adjacent buildings are the Penrith Railway Station to the south of the site, Penrith Station North side Parking to the west, and eight to ten storey residential flat buildings to the eastern and northern street alignments.

PROGRAM

The building program comprises 553 generously-sized apartments over 4 buildings, with the retail ground level connected directly to the village square facilitating commuter access to the railway station. Commercial levels include a childcare centre and health and wellbeing facilities in a medical centre and gymnasium, located at level 1 with parking, loading, and storage within a basement and above ground levels.

The apartments have been designed to reflect the local demographic and therefore consist of a mix of studio, 1, 2 and 3 bedroom apartments, with townhouses at street level.

FORM-MAKING

The form of the proposal is conceptualised around the 'village' centre and transitioning from perimeter tower buildings to the human pedestrian scale of the through site link. This form responds conceptually to the essence of the Blue Mountain escarpment and valley meeting place. This resonated with Graham Davis-King's discussions about Aboriginal cultural values and design. The themes of connection to the Nepean River and Blue Mountains are key elements within the design and landscaping.

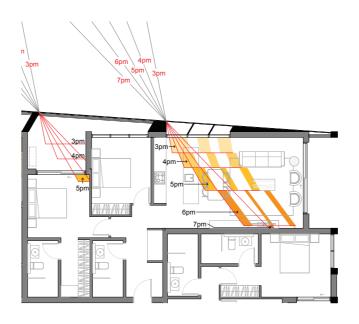




ARTICULATION

Bold vertical articulation and fine grain detailing providing visual interest to facades characterise the perimeter 26 and 20 storey towers, with the lower residential buildings bounding the village square having their own identity and materiality.

Tower façade articulation is used for environmental and reflection control with large angular west facing walls reducing summer sun access to living rooms and balconies. The Village square residences are more solid in character promoting occupant privacy where adjacent to the public domain.



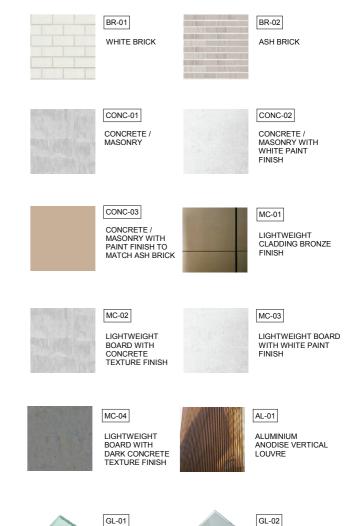
Typical Level Tower D

SUSTAINABILITY

Sustainability is central to the Thornton Central Village development through passive design initiatives, technology and self-sufficiency. Facades invite winter sun access whilst controlling low summer sun angles, with the design achieving compliant cross ventilation and northern light to as many apartments as possible.

MATERIALITY

The material palette adopts durable materials that will stand the test of time. Brick is the predominate external façade material to the ground plane village centre facades and lower towers providing fine gain materiality and a more domestic scale. A mix of white and ash coloured bricks provide diversity of material to the public domain and residences.



Design through conceptual initiative, Connect to Country insight, retail and public domain expertise and Jury review have delivered a striking design as a fitting gateway to Penrith and Thornton, delivering public benefit and resident amenity and community.

RESIDENTIAL

GLAZING TINTED AS PER

SHOPFRONT CLEAR GLAZING

Thornton Central Village Project Information Summary DA-01 & DA-02

Uses

The proposed development is a mixed use development consisting of residential apartments, townhouses, commercial, childcare and retail spaces, and car parking.

Development Summary

Site Area	11,024 m²
Total GFA	55,120m ²
Residential GFA	49,551m²
Non-Residential GFA	5,569m²
Car parking spaces	731 + 4 car wash

Residential Apartment Mix

Total	553	
3 Bed	48	
2 Bed	335	
1 Bed	170	

Planning Controls + Design Guidelines

The primary controls for the site have been guided by:

Penrith Local Environmental Plan 2010
Penrith DCP 2014
SEPP 65
Apartment Design Guide

A detailed assessment of compliance is outlined in this report.

02

SEPP 65 - Design Quality Principles - Design Response



SEPP 65 - Design Quality Principles Principle 1- Context Neighbourhood Character

Principle 1. Context and

Neighbourhood Character

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 neighborhood. Consideration of local context is important for all sites, including sites in established areas, those undergoing change or identified for change.

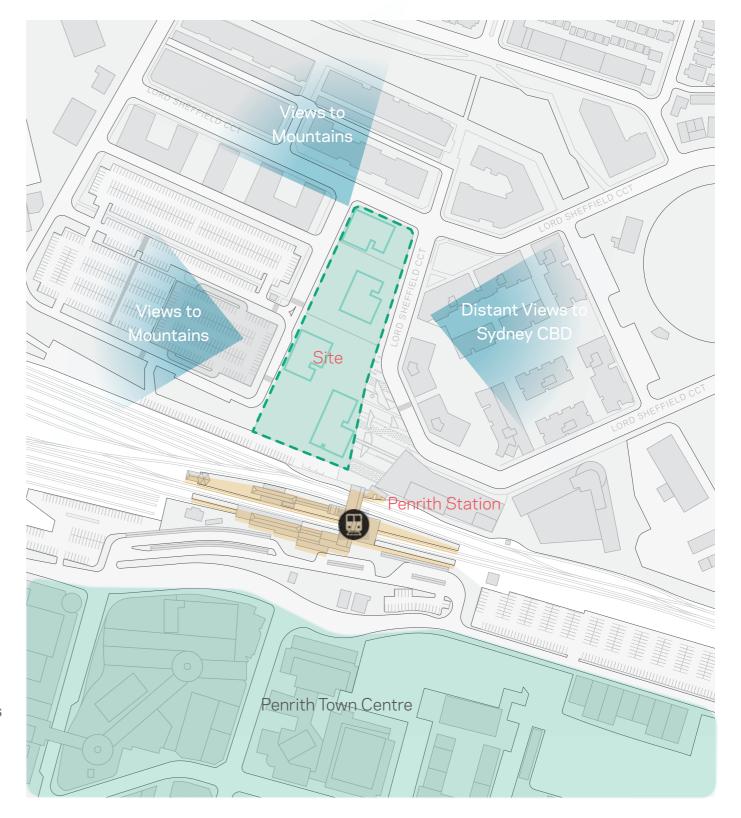
Design Response

The site is located within the heart of Penrith, adjacent to the train station and across from Penrith Town Centre.

The neighbouring buildings around the site are multi-residential buildings, and a large public commuter carpark located to the west of the site. The site enjoys 180° views to the Blue Mountains to the west, while to the east, it looks over the district with distant views to the Sydney CBD.

Thornton is rapidly developing with several nearby developments completed or under construction. Thornton Central Village will form a key hub within this evolving residential neighbourhood. It will provide an improved connection between the station and the commuter parking area, offering a range of retail facilities including a large supermarket, specialty shops, childcare, commercial space, and residences.

Social, health and economic benefits are achieved through local employment, provision of health and wellness facilities and providing diverse dwelling opportunities for a socially cohesive neighbourhood.





SEPP 65 - Design Quality Principles

Principle 2- Built Form & Scale

Principle 2.

Built Form and Scale

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.

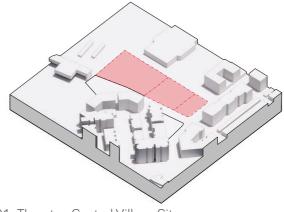
Design Response

The building form responds conceptually to the essence of the Blue Mountains and was developed through a unique urban strategy. Tall towers are located at the north and south perimeters of the site and provide appropriate urban markers to the city and Penrith Station. Lower towers are situated adjacent to the village centre with a more domestic scale and design language.

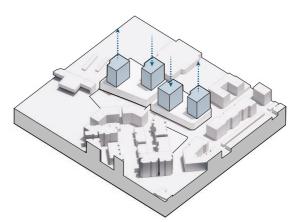
A central village retail centre and through site link act as a catalyst to activate the site maintaining pedestrian flow from the train station to the commuter parking and providing a diverse range of F&B opportunities.

The podium articulation have been designed to step down to the through site link and an adjacent park on Lord Sheffield Circuit, providing a human scale interface.

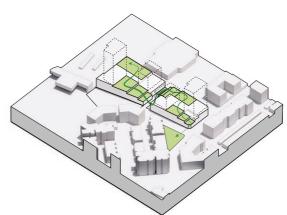
Terraces are located to create a contextual green ribbon to drive activation across multiple podium levels.



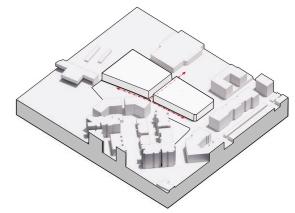
01. Thornton Central Village Site



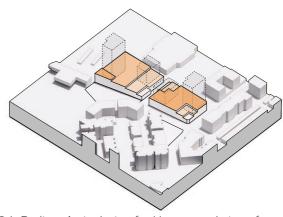
03. Modulation of Heights



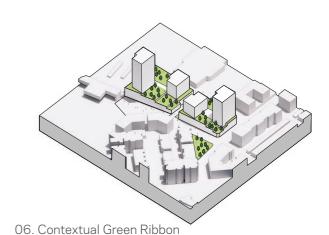
05. Contextual Green Ribbon



02. Centralised through site link



04. Podium Articulation for Human scale interface



SEPP 65 - Design Quality Principles Principle 3- Density

Principle 3.

Density

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.

Design Response

The proposed development is consistent with the DCP requirements, to achieve the objectives and goals set in the Apartment Design Guide.

Proximity to public transport networks with the adjacent Penrith station and walking distance to the city centre, support the proposed density and urban mix.

Direct access to the Village Centre, childcare, medical and health and wellbeing facilities support the needs of the resident community and surrounds. A diverse range of common public and private spaces within the precinct give residents, commuters and the neighbourhood opportunities for different types of activities and needs.



SEPP 65 - Design Quality Principles Principle 4- Sustainability

Principle 4.

Sustainability

Good design combines positive environmental, social and economic outcomes. Good sustainable design includes use of natural cross ventilation and sunlight for the amenity and livability 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.

Design Response

Through design we aim to reduce the environmental impact of our proposal. We have identified areas where we can minimize our buildings' environmental footprint as well as using design to shift long-term behavioural habits of the residents.

Our design response includes:

- Facade invites winter sun access whilst controlling low summer sun angles.
- Natural ventilation to 60.5% of residential apartments.
- Solar access to 70% of residential apartments
- Bicycle parking
- Low energy fixtures and appliances
- Generous communal areas on podium roof top gardens.



SEPP 65 - Design Quality Principles Principle 5- Landscape

Principle 5.

Landscape

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 usability, privacy and opportunities for social interaction, equitable access, respect for neighbours' amenity, provides for practical establishment and longterm management.

Design Response

Landscape design has been integrated into the proposal to enhance the quality of outdoor spaces. This includes:

- The Ground floor through site link and village centre contain various uses including F&B options, programmable event space, a centralised plaza with water feature and connecting to country art work.
- Landscaping within this plaza provides shade and connection to nature as an integrated response to existing street trees and neighbourhood landscape.
- The Podium Roof Terraces provide communal open space designed to allow residents to engage in community events, health and wellbeing, recreation and play areas for children.
- The landscape design has been informed by our Connect with Country process with Deerubbin Local Aboriginal Land Council (DLALC).
- Refer to Landscape Design report for more further information.



Urbis - Landscape Plan. Ground Floor through site link plaza

SEPP 65 - Design Quality Principles Principle 6- Amenity

Principle 6.

Amenity

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.

Design Response

The proposed design takes into consideration the following aspects:

- Improved amenity by providing residents large private open space provide for garden living in a city lifestyle.
- Access to daylight by orienting the apartments to face North, East or West. It provides amenity for both living and balcony spaces.
- Significant views to the local Blue mountain escarpment and surrounds.
- Better amenity to corridors at the end of circulation spaces with windows to allow daylight and ventilation access.
- An interaction lounge area is provided for residents where apartments exceed 8 residences per floorplate.
- Enhance community living by designing landscaped outdoor areas across the site.
- Activation of frontages at ground floor through retail frontages, residential lobbies and terrace home courtyards fronting the street.



Urbis - Landscape Plan Level 5 Amenity

SEPP 65 - Design Quality Principles Principle 7- Safety

Principle 7.

Safety

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.

Design Response

Safety and security to the precinct results from considered design of both the private and public realm.

The proposal uses established design principles for the interface between the public and private domain.

The initiatives incorporated in the design are:

- Activated street edges on Lord
 Sheffield Circuit, the village centre
 and the pedestrian link allow for street
 activation during day and night
- Building entrances clearly distinguish different uses.
- Providing visual connectivity between circulation areas, indoor and outdoor spaces.
- Generous balconies and private spaces promote passive surveillance of the public domain.
- Well lit indoor & outdoor communal areas .



SEPP 65 - Design Quality Principles Principle 8- Housing Diversity and Social Interaction

Principle 8.

Housing Diversity and Social Interaction

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

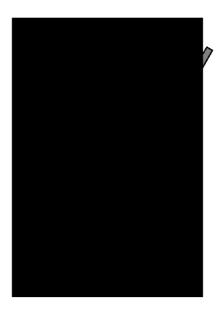
Well designed apartment developments respond to social context by providing housing and facilities to suit the existing and future social mix. Good design involves practical and flexible features, including different types of communal spaces for a broad range of people, providing opportunities for social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

Design Response

Different types of apartment typologies have been designed to accommodate households with different needs, particularly suited to the local market.

Different apartments that offer diverse lifestyles are provided, including:

- Two storey Townhouses with direct street access via generous courtyards.
- Apartments at podium levels with deep courtyard that provide privacy and sunlight protection and direct podium access.
- Generous studio, 1, 2 and 3 bedroom apartments with access to views of the Blue Mountains.
- Universal design features have been incorporated into the apartment design to provide flexible and livable housing to accommodate a range of lifestyle needs.



Typical 1 Bedroom Apartment
Tower B/C

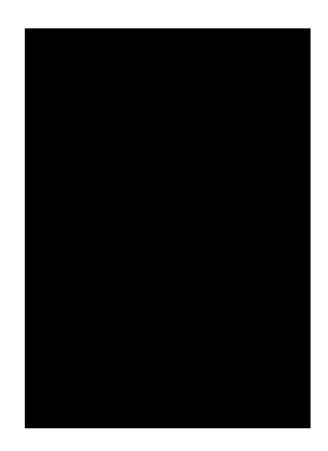


Typical 2 Bedroom Apartment Tower A

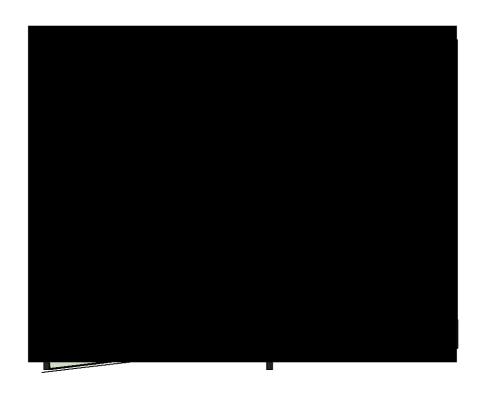


SEPP 65 - Design Quality Principles

Principle 8- Housing Diversity and Social Interaction







Typical Townhouse



Universal Apartment



SEPP 65 - Design Quality Principles Principle 9- Aesthetics

Principle 9.

Aesthetics

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.

Design Response

The proposed development uses a variety of aesthetic languages, united by a consistent material palette to express the different apartment typologies and building uses. Various coloured concrete, white and ash coloured brick, glass and lightweight cladding panels create a warm, light and textural palette.

Landscaping is used to enrich the facade design through planter boxes as balustrades and climbing plants to the car park facades.

A concrete colonnade wraps the residential facades, expressing the structural grid and framing recessed balconies. A colonnade of varying height and scale front Lord Sheffield Circuit and extent to the Village Centre, providing scale and proportion to the pedestrian realm as an interface to the street.

Materials Board



BR-01 WHITE BRICK



BR-02



CONC-01 MASONRY



CONC-02 MASONRY WITH



CONC-03 CONCRETE / MASONRY WITH



MC-01 LIGHTWEIGHT CLADDING BRONZE



MC-02 LIGHTWEIGHT BOARD WITH CONCRETE TEXTURE FINISH



MC-03 LIGHTWEIGHT BOARD WITH WHITE PAINT



MC-04 LIGHTWEIGHT DARK CONCRETE TEXTURE FINISH



AL-01 ALUMINIUM ANODISE VERTICAL





GL-02 RESIDENTIAL GLAZING TINTED AS PER SEPP 65





Section	Objective	Design Criteria	Design Response	Outcome
2F – Building Separation	Building Separation Building separation is the distance measured between building envelopes or buildings. Separation between buildings contributes to the urban form of an area and the amenity within apartments and open space areas	Considerations in setting building separation controls: Five to eight storeys (approximately 25m): - 18m between habitable rooms/balconies - 12m between habitable and non-habitable - 9m between non-habitable rooms Nine storeys and above (over 25m): - 24m between habitable rooms/balconies - 18m between habitable and non-habitable - 12m between non-habitable rooms	achieved between buildings relative to the height of adjacent buildings and communal open space between habitable and non-ble tween non-habitable rooms and above etween habitable /balconies etween habitable /balconies etween habitable /balconies etween habitable and non-ble /balconies	
3D – Communal & public Open Space	Objective 3D-1 An adequate area of communal open space is provided to enhance residential amenity and to provide opportunities for landscaping	 Communal open space has a minimum area equal to of the site (see figure 3D.3) 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) 	The development achieves communal open space to 25% of the site area with 50% of the usable part with 50% direct sunlight for a minimum of 2 hours. Communal open areas provide a variety of spaces and uses for both communal engagement and private use. Refer to DA Documentation for diagrams.	

3E – Deep Soil	Objective 3E-1	1. Deep soil zones are to meet the following		e following	Due to the configuration of
Zones Deep soil zones provide areas		minimum requiremen	1		the site and urban nature of
	on the site that allow for and support healthy plant and tree growth. They improve	Site area	Minimum dimensions	Deep soil zone (% of site area)	the proposal, significant alternative planting is provided within the deep
	residential amenity and promote management of	Less than 650m2 650m2 - 1,500m2	- 3m		soil zone of the village square and across podiums with sufficient soil volumes
	water and air quality	Greater than 1,500m2 Greater than 1,500m2 with significant existing tree cover	6m 6m	7%	to support healthy landscape.
					The total area of landscape across the site is approximately 4,004m ² .
3F – Visual	Objective 3F-1	1. Separation between	n windows a	and balconies	Buildings are offset to each
Privacy	Adequate building separation	is provided to ensure	visual priva	cy is	other allowing apartments
	distances are shared	achieved.			distant district views with
	equitably	Minimum required separation distances		tances	minimal overlap to view
between neighbouring sites, to achieve reasonable levels		between buildings are Up to 25m – Habitable	as follows:		aspect.
	of external and internal visual	Up to 25m – Habitable	e and non-h	abitable	Visual privacy allows
	privacy	4.5m			residents within adjacent
		Over 25m – Habitable	and balcon	ies 12m	buildings to use their private
		Over 25m – Habitable	and non-ha	ibitable 6m	spaces without being
					overlooked. It balances the
					need for views and outlook
					with the need for privacy.
4A – Solar &	Objective 4A-1	1. Living rooms and p	rivate open	spaces of at	Solar and daylight
Daylight	To optimise the number of	least 70% of apartmer	nts in a build	ding receive a	compliance is measured for
	apartments receiving sunlight	minimum of 2 hours d	irect sunlig	nt between 9	site 3003, and separately for
	to	am and 3 pm at mid-v	vinter in the	Sydney	sites 3004/3005 allowing for

	habitable rooms, primary windows and private open space	Metropolitan Area 2. A maximum of 15% of apartments in a building receive no direct sunlight between 9 am and 3 pm at mid-winter	staged development. Single aspect south facing apartments are minimised to achieve the less than 15% maximum requirement. Refer to DA Documentation for solar diagrams.	
4B - Natural Ventilation	Objective 4B-1 All habitable rooms are naturally ventilated Objective 4B-3 The number of apartments with natural cross ventilation is maximised to create a comfortable indoor environment for residents	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	At least 60% of apartments achieve natural cross ventilation using dual aspect corner apartments and townhouses minimising building indentations, with apartments above nine storeys having balconies with suitable open areas. Refer to DA Documentation for natural ventilation diagrams.	
4C - Ceiling heights	Objective 4C-1 Ceiling height achieves sufficient natural ventilation and daylight access	 Measured from finished floor level to finished ceiling level, minimum ceiling heights are: Minimum ceiling height for apartment and mixed use buildings Habitable rooms: 2.7m Non-habitable: 2.4m For 2 storey apartments: 2.7m for main living area floor 	All apartments meet the minimum ceiling heights for habitable and non-habitable rooms.	

4D – Apartment Size & layout	Objective 4D-1 The layout of rooms within an apartment is functional, well organised and provides a high standard of amenity	- 3 bedroom 90m2	All apartments to meet minimum internal areas with a diversity of studio, 1, 2 and 3 bedroom apartments. Apartments provide a variety of plan types for rental and owner occupancies. Living rooms and balconies are located to maximise solar and view aspect.	
4E Private Open	Objective 4E-1	All apartments are required to have primary balconies as follows:	Primary balconies are to	
Space and Balconies	Apartments provide appropriately sized private open space and balconies to enhance residential amenity	- Studio apartments 4m2 - 1 bedroom apts. 8m2 - 2 bedroom apts. 10m2 - 3+ bedroom apts. 12m2	meet area and width requirements located to minimise wind impact and maximise view aspect.	
4F – Common Circulation	Objective 4F-1 Common circulation spaces	The maximum number of apartments off a circulation	Buildings B and C have a maximum of 8 apartments	

Space	achieve good amenity and properly service the number of apartments Objective 4F-2 Common circulation spaces promote safety and provide for social interaction between residents	core on a single level is eight - Where design criteria 1 is not achieved, no more than 12 apartments should be provided off a circulation core on a single level - 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 - Incidental spaces, for example space for seating in a corridor, at a stair landing, or near a window are provided	and building D have maximum of 7 apartments off a circulation core. Building A has a maximum of 10 apartments off a circulation core allowing for a commercially viable development. Higher levels of amenity are provided with windows at corridor ends and incidental communal areas for seating providing opportunities for casual social interaction among residents assisting with social recognition.
4J – Noise and Pollution	Objective 4J-1 In noisy or hostile environments, the impacts of external noise and pollution are minimised through the careful siting and layout of buildings Objective 4J-2 Appropriate noise shielding or attenuation techniques for the building design, construction and choice of materials are used to mitigate noise transmission	-	An acoustic consultant is to be engaged for the DA process to assist with noise impacts from the adjacent railway corridor and associated noise sources. Architectural attenuation techniques are to be developed alongside technical requirements to assist in noise mitigation.

4K – Apartment	Objective 4K-1	-	All apartments to meet
Mix	A range of apartment types		minimum internal areas with
	and sizes is provided to cater		a diversity of studio, 1, 2 and
	for		3 bedroom apartments to
	different household types		cater for a mix of
	now and into the future	-	demographic and household
	Objective 4K-2		types.
	The apartment mix is		Apartments are located to
	distributed to suitable		meet market demand and
	locations within the building		variety of outlook and
			amenity.
4L – Ground	Objective 4L-1	-	Direct street access is to be
Floor	Street frontage activity is		provided to ground floor
Apartments	maximised where ground		apartments with direct
	floor apartments are located		access to communal open
			space at podium levels and
			public street frontages.
4M – Facade	Objective 4M-1		Building façade provides
	Building facades provide		visual interests and responds
	visual interest along the		to the surrounding context.
	street while respecting the		Warm, light and textural
	character of the local area		colour palette of materials
	Objective 4M-2		reflects the character of the
	Building functions are		area and landscaping is
	expressed by the facade		included to the facade
			design through planter
			boxes as balustrades and
			climbing plants to the car
			park facades.
40 – Landscape	Objective 40-1	-	Landscape design is
Design	Landscape design is viable		commissioned and includes
	and sustainable		concept objectives for the
	Objective 40-2		development with 'design

	Landscape design contributes to the streetscape and	with country' engagement.
	amenity	Landscape amenity to be articulated in future design development stage submissions.
4P – Planting on	Objective 4P-1	The proposal has significant
Structures	Appropriate soil profiles are provided Objective 4P-2 Plant growth is optimised with appropriate selection and maintenance Objective 4P-3 Planting on structures contributes to the quality and amenity of communal and public open spaces	landscaping on structures and integrated into facades. Planting on structures objectives are to be articulated in future design development stage submissions.
4Q – Universal	Objective 4Q-1	Universal design features are
Design	Universal design features are included in apartment design to promote flexible housing for all community members Objective 4Q-2 A variety of apartments with adaptable designs are provided Objective 4Q-3 Apartment layouts are flexible and accommodate a range of lifestyle needs	incorporated into the apartment designs. There are 10% of apartments with adaptable design and 20% of apartments with livable housing design to accommodate a range of lifestyle needs.

Contact

Level 18, 680 George Street Sydney NSW, Australia 2000 E—— info@crone.com.au

CRONE ARCHI TECTS

Offices

Sydney (HQ) +61 2 8295 5300 Melbourne +61 3 8621 8000