

NOTE: THE FOLLOWING TABLE IS AN UPDATED ASSESSMENT FROM THE ORIGINAL ASSESSMENT CARRIED OUT AND CONSIDERED BY THE PANEL AT THE 30 AUGUST 2017 MEETING. AMENDED SECTIONS OF THIS ASSESSMENT ARE UNDERLINED AND COLOURED IN BLUE TEXT.

APARTMENT DESIGN GUIDE (ADG)				
No.	SEPP 65 Apartment Design Guide		Relevant Control	Comply
Part 3 - Siting the Development				
3A	Site Analysis			
3A-1	Site analysis illustrates that design decisions have been based on opportunities and constraints of the site conditions and their relationship to the surrounding context.		The amended development has drawn design queues from the nearby recently constructed development at 33-37 Sherwood Road that has established a 4 storey podium height and street edge to Sherwood Road that is consistent with the street edge created by the nearby development.	Yes
3B	Orientation			
3B-1	Building types and layouts respond to the streetscape and site while optimising solar access within the development.		The streets are defined as Building A is oriented to Coolibah Street and Building C to Sherwood Road. Direct access from each street is provided. Adequate solar access is achieved for a sufficient number of dwellings.	Yes
3B-2	Overshadowing of neighbouring properties is minimised during mid-winter.		Overshadowing falls onto the southern adjoining property which contains the Coolibah Hotel. Overshadowing of that property is not unreasonable given that it is a commercial property and dos not contain any habitable areas within. The shadow diagrams indicate that the site would be provided with suitable levels of solar access to the existing north facing outdoor terraces of the hotel (approved in DA-520/2009) between 11:00am and 3:00pm on 21 June and any future residential development on the site as illustrated at Annexure A. Additional 3D shadow diagrams have been submitted with the amended plans illustrating acceptable levels of solar access will be maintained to the Coolibah Hotel at mid-winter.	Yes
3C	Public Domain Interface			
3C-1	Transition between private and public domain is achieved without compromising safety and security.		Appropriate transition is proposed between the private and public domains.	Yes
3C-2	Amenity of the public domain is retained and enhanced.		The public domain will be enhanced by providing a pedestrian link through the site from Coolibah Street to Sherwood Road as required by the DCP. Service, loading and waste areas are out of public view and within the car parking or basement levels of the building. The proposed buildings are aesthetically pleasing.	Yes
3D	Communal and Public Open Space			
3D-1	An adequate area of communal open space is provided to enhance residential amenity and to provide opportunities for landscaping.			
	Design Criteria	Communal open space has a minimum area equal to 25% of the	Required: 25% of 3,734.4m ² 933.6m ² required	No, however

APARTMENT DESIGN GUIDE (ADG)																
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		site & depth 3m	Proposed: 770.5m ² (20.6%)	acceptable . Refer to Section 5 of Report.												
		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).	Main pocket of COS is in the north-western corner at the rear of Building C and will achieve reasonable solar access.	Yes												
3D-2	Communal open space is designed to allow for a range of activities, respond to site conditions and be attractive and inviting.		COS areas allow for some active and passive recreation. A mixture of BBQ's, lounges, dining, seating and garden areas are proposed within the COS areas. Principal area is 11.5 metres wide clear of pedestrian path.	Yes												
3D-3	Communal open space is designed to maximise safety.		Good surveillance of COS areas from the units is achieved.	Yes												
3D-4	Public open space, where provided, is responsive to the existing pattern and uses of the neighbourhood.		N/A	N/A												
3E	Deep Soil Zones															
3E-1	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.															
	Design Criteria	<p>Deep soil zones are to meet the following minimum requirements:</p> <table><tr><th>Site area</th><th>Minimum dimensions</th><th>Deep soil zone (% of site area)</th></tr><tr><td>less than 650m²</td><td>-</td><td rowspan="4">7%</td></tr><tr><td>650m² - 1,500m²</td><td>3m</td></tr><tr><td>greater than 1,500m²</td><td>6m</td></tr><tr><td>greater than 1,500m² with significant existing tree cover</td><td>6m</td></tr></table> <p>Design guidance On some sites it may be possible to provide larger deep soil zones, depending on the site area and context:</p> <ul style="list-style-type: none">• 10% of the site as deep soil on sites with an area of 650m² - 1,500m²• 15% of the site as deep soil on sites greater than 1,500m²	Site area	Minimum dimensions	Deep soil zone (% of site area)	less than 650m ²	-	7%	650m ² - 1,500m ²	3m	greater than 1,500m ²	6m	greater than 1,500m ² with significant existing tree cover	6m	Refer to assessment against Part C of DCP.	Refer to DCP
Site area	Minimum dimensions	Deep soil zone (% of site area)														
less than 650m ²	-	7%														
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greater than 1,500m ² with significant existing tree cover	6m															
3F	Visual Privacy															
3F-1	Adequate building separation distances are shared equitably between neighbouring sites, to achieve reasonable levels of external and internal visual privacy.															
	Design Criteria	Separation between windows and balconies is provided to ensure visual privacy is achieved. Minimum required separation distances from buildings to the side and rear boundaries are as follows:	<p>The site is zoned B2 Local Centre and Council's DCP requires buildings to be built to the Sherwood Road and side boundaries without any separation or setbacks. This results in no side boundary separation requirements for Building C. A 3 metre setback is required to the Coolibah Street boundary (i.e. Building A).</p> <p>The development proposes a number of</p>	Part Yes and Part No. Refer to Section 5 of Report.												

APARTMENT DESIGN GUIDE (ADG)																																					
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		<table><tr><th>Building height</th><th>Habitable rooms and balconies</th><th>Non-habitable rooms</th></tr><tr><td>up to 12m (4 storeys)</td><td>6m</td><td>3m</td></tr><tr><td>up to 25m (5-8 storeys)</td><td>9m</td><td>4.5m</td></tr><tr><td>over 25m (9+ storeys)</td><td>12m</td><td>6m</td></tr></table>	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	non-compliant separation distances between side boundaries and between buildings internally as detailed below:																						
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				Building C Levels 6 to 8 to B COS	13.5m	19m	Yes
3F-2	Site and building design elements increase privacy without compromising access to light and air and balance outlook and views from habitable rooms and private open space.			Separation results in appropriate levels of privacy and appropriate levels of access to light and air.			Yes
3G	Pedestrian Access and Entries						
3G-1	Building entries and pedestrian access connects to and addresses the public domain.			A central and wide pedestrian access point is proposed off both street frontages. Residential and retail entries are separate.			Yes
3G-2	Access, entries and pathways are accessible and easy to identify.			Achieved.			Yes
3G-3	Large sites provide pedestrian links for access to streets and connection to destinations.			A 6 metre wide pedestrian link is required under Part N of the DCP, half of which is proposed along the northern boundary of the site.			Yes
3H	Vehicle Access						
3H-1	Vehicle access points are designed and located to achieve safety, minimise conflicts between pedestrians and vehicles and create high quality streetscapes.			2 separate vehicle entries are proposed from each street frontage and separate from pedestrian entries.			Yes
3J	Bicycle and Car Parking						
3J-1	Car parking is provided based on proximity to public transport in metropolitan Sydney and centres in regional areas.						
	Design Criteria	For development in the following locations: <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; oron land zoned, and sites within 400 metres of land zoned, B3 Commercial Core, B4 Mixed Use or equivalent in a nominated regional centre the minimum car parking requirement for residents and visitors is set out in the Guide to Traffic Generating Developments, or the car parking requirement prescribed by the relevant council, whichever is less.		The site is not located within 800 metres from a Railway Station, therefore DCP rates apply. See DCP table below.			Yes
		The car parking needs for a development must be provided off street.		Parking is proposed off-street and within basement levels.			Yes
3J-2	Parking and facilities are provided for other modes of transport. Design guidance Conveniently located and sufficient numbers of parking spaces should be provided for motorbikes and scooters Secure undercover bicycle parking should be provided that is easily accessible from both the public domain and common areas			Bicycle parking is proposed within the basement levels.			Yes

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	Conveniently located charging stations are provided for electric vehicles, where desirable			
3J-3	Car park design and access is safe and secure.		Basement 1 is residential. Level 1 is part commercial and part residential (including visitor parking). Level 2 is all commercial. The configuration of the parking on level 1 is considered acceptable with the inclusion of secure access (boom gates) that will separate residential spaces from commercial and visitor spaces.	Yes
3J-4	Visual and environmental impacts of underground car parking are minimised.		Parking will not be visible from the streets.	Yes
3J-5	Visual and environmental impacts of on-grade car parking are minimised.		Some at grade parking is proposed however is located behind the building and will not be visible from the street frontages or the southern boundary (side boundary wall proposed to conceal).	Yes
3J-6	Visual and environmental impacts of above ground enclosed car parking are minimised.		Basement 1 carpark is all below NGL and would not be visible at any point. When viewed from both street frontages, the car parking on levels 1 and 2 would not be visible from the street frontages. Level 2 is at grade at Sherwood Road then its FFL is elevated up to approximately 4.2 metres above NGL at Coolibah Street. The level would be visible from the southern side boundary however a high wall is proposed along the southern end of the parking area to conceal the parking spaces from the south.	Yes
Part 4 - Designing the Building				
4A	Solar and Daylight Access			
4A-1	To optimise the number of apartments receiving sunlight to habitable rooms, primary windows and private open space.			
	Design Criteria	Living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 2 hours direct sunlight between 9 am and 3 pm at mid-winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas.	77/86 = 89.5% of living rooms achieve at least 2 hours 73/86 = 84.9% of POS achieve at least 2 hours.	Yes
		A maximum of 15% of units in a building receive no direct sunlight between 9 am & 3 pm at mid-winter.	9/86 = 10.5% get nil	Yes
4A-2	Daylight access is maximised where sunlight is limited.		The proposal orientates the building to take advantage of solar access and maximises the number of units with a direct north aspect.	Yes
4A-3	Design incorporates shading and glare control, particularly for warmer months.		Louvres, screens and blade walls are proposed along balcony edges.	Yes
4B	Natural Ventilation			

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No.	SEPP 65 Apartment Design Guide		Relevant Control	Comply												
4B-1	All habitable rooms are naturally ventilated.		All habitable rooms have a window	Yes												
4B-2	The layout and design of single aspect apartments maximises natural ventilation.		The development maximises natural cross flow ventilation.	Yes												
4B-3	The number of apartments with natural cross ventilation is maximised to create a comfortable indoor environment for residents.															
	Design Criteria	At least 60% of apartments are naturally cross ventilated in the first nine storeys of the building. Apartments at ten storeys or greater are deemed to be cross ventilated only if any enclosure of the balconies at these levels allows adequate natural ventilation and cannot be fully enclosed.	57/86 = 66% of units are naturally cross ventilated (includes top floor units with skylights).	Yes												
		Overall depth of a cross-over or cross-through apartment does not exceed 18m, measured glass line to glass line.	No unit exceeds a depth of 18 metres.	Yes												
4C	Ceiling Heights															
4C-1	Ceiling height achieves sufficient natural ventilation and daylight access.															
	Design Criteria	Measured from finished floor level to finished ceiling level, minimum ceiling heights are:	The proposed ceiling heights are as follows:	Yes												
		<table><tr><th colspan="2">Minimum ceiling height for apartment and mixed use buildings</th></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 used areas</td><td>3.3m for ground and first floor to promote future flexibility of use</td></tr></table>			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 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 used areas	3.3m for ground and first floor to promote future flexibility of use
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If located in mixed used areas	3.3m for ground and first floor to promote future flexibility of use															
These minimums do not preclude higher ceilings if desired.																
4C-2	Ceiling height increases the sense of space in apartments and provides for well proportioned rooms.	Satisfactory	Yes													
4C-3	Ceiling heights contribute to the flexibility of building use over the life of the building.	Ceiling heights will allow for flexibility of building use over the life of the building.	Yes													
4D	Apartment Size and Layout															
4D-1	The layout of rooms within an apartment is functional, well organised and provides a high standard of amenity.			Yes												
	Design Criteria	Apartments are required to have the following minimum internal areas:	All unit sizes comply – see calculations provided as Annexure B.	Yes												
		<table><tr><th>Apartment type</th><th>Minimum internal area</th></tr><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></table>			Apartment type	Minimum internal area	Studio	35m²	1 bedroom	50m²	2 bedroom	70m²	3 bedroom	90m²		
Apartment type		Minimum internal area														
Studio		35m²														
1 bedroom		50m²														
2 bedroom		70m²														
3 bedroom	90m²															
The minimum internal areas include only one bathroom. Additional bathrooms increase the minimum internal area by 5m² each.																

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		A fourth bedroom and further additional bedrooms increase the minimum internal area by 12m ² each.				
		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.	Every habitable room has a window in an external wall.	Yes		
		Design Guidance for Objective 4D-1 Kitchens should not be located as part of the main circulation space in larger apartments (such as hallway or entry space).	Kitchens are clear of circulation space in all units.	Yes		
4D-2	Environmental performance of the apartment is maximised.					
	Design Criteria	Habitable room depths are limited to a maximum of 2.5 x the ceiling height.	Complies.	Yes		
		In open plan layouts (where the living, dining and kitchen are combined) the maximum habitable room depth is 8m from a window.	Single aspect unit habitable rooms are less than 8 metres from a window.	Yes		
4D-3	Apartment layouts are designed to accommodate a variety of household activities and needs.					
	Design Criteria	Master bedrooms have a minimum area of 10m ² and other bedrooms 9m ² (excluding wardrobe space).	All bedroom sizes comply.	Yes		
		Bedrooms have a minimum dimension of 3m (excluding wardrobe space).	All bedrooms are more than 3 metres x 3 metres excluding wardrobes.	Yes		
		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.	Living room widths comply for all units. Dimensions shown on plans.	Yes		
		The width of cross-over or cross-through apartments are at least 4m internally to avoid deep narrow apartment layouts.	All units have a width in excess of 4 metres.	Yes		
4E	Private Open Space and Balconies					
4E-1	Apartments provide appropriately sized private open space and balconies to enhance residential amenity.					
	Design Criteria	All apartments are required to have primary balconies as follows:		All Balconies meet minimum dimension and area requirements – see calculation sheet at Annexure C.	Yes	
		Dwelling type	Minimum area			Minimum depth
		Studio apartments	4m ²			-
		1 bedroom apartments	8m ²			2m
		2 bedroom apartments	10m ²			2m
3+ bedroom apartments		12m ²	2.4m			
The minimum balcony depth to be counted as contributing to the						

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		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.	No ground floor units are proposed.	Yes										
4E-2	Primary private open space and balconies are appropriately located to enhance liveability for residents.		All POS balconies are located off living rooms.	Yes										
4E-3	Private open space and balcony design is integrated into and contributes to the overall architectural form and detail of the building.		Satisfactory	Yes										
4E-4	Private open space and balcony design maximises safety.		Satisfactory	Yes										
4F	Common Circulation and Spaces													
4F-1	Common circulation spaces achieve good amenity and properly service the number of apartments.													
	Design Criteria	The maximum number of apartments off a circulation core on a single level is eight. For buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40.	Buildings A and B are joined and served by one lift and 3 stairwells, so 4 cores in total. A maximum of 11 units are proposed per floor, so 2.75 units per core. Building C has one lift and 2 stairwells, so 3 cores. A maximum of 8 units are proposed per floor, so 2.66 units per core. N/A	Yes N/A										
	Design Guidance	Daylight & natural ventilation be provided to CCSs above ground level. Windows should be at ends of corridors or next to core	Corridors to all buildings have large windows opposite cores and at the end of circulation corridors which would allow natural light and ventilation.	Yes										
4F-2	Common circulation spaces promote safety and provide for social interaction between residents.		Satisfactory	Yes										
4G	Storage													
4G-1	Adequate, well designed storage is provided in each apartment.													
	Design Criteria	In addition to storage in kitchens, bathrooms and bedrooms, the following storage is provided: <table><tr><th>Dwelling type</th><th>Storage size volume</th></tr><tr><td>Studio apartments</td><td>4m³</td></tr><tr><td>1 bedroom apartments</td><td>6m³</td></tr><tr><td>2 bedroom apartments</td><td>8m³</td></tr><tr><td>3+ bedroom apartments</td><td>10m³</td></tr></table> At least 50% of the required storage is to be located within the apartment.	Dwelling type	Storage size volume	Studio apartments	4m ³	1 bedroom apartments	6m ³	2 bedroom apartments	8m ³	3+ bedroom apartments	10m ³	57/86 units (66%) have a total storage capacity that complies and only 9/86 units (10%) have at least 50% of storage within the units. The store rooms within the parking levels are all larger than 10m ³ (some are 30m ³) so the areas could be redistributed to provide each units with sufficient storage, subject to a condition.	No, however acceptable subject to condition. Refer to Section 5 of Report.
Dwelling type	Storage size volume													
Studio apartments	4m ³													
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2 bedroom apartments	8m ³													
3+ bedroom apartments	10m ³													
4G-2	Additional storage is conveniently located, accessible and nominated for individual apartments.		As above	Yes										
4H	Acoustic Privacy													
4H-1	Noise transfer is minimised through the siting of buildings and building layout.		Units adjoin no more than 2 others. Lifts directly adjoin one unit per floor. BCA compliant party walls will address noise transfer.	Yes										
4H-2	Noise impacts are mitigated within apartments		A revised Acoustic Report has been	Yes										

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	<i>through layout and acoustic treatments.</i>	submitted and referred to Council's Environmental Health Officer who considers the proposal to be satisfactory subject to conditions of consent.	
4J	Noise and Pollution		
4J-1	<i>In noisy or hostile environments the impacts of external noise and pollution are minimised through the careful siting and layout of buildings.</i>	The site is located on a busy road and is adjoined by a Hotel to the south that has a license to operate until 3am. A revised Acoustic Report has been submitted and referred to Council's Environmental Health Officer who considers the proposal to be satisfactory subject to conditions of consent.	Yes
4J-2	<i>Appropriate noise shielding or attenuation techniques for the building design, construction and choice of materials are used to mitigate noise transmission.</i>	A revised Acoustic Report has been submitted and referred to Council's Environmental Health Officer who considers the proposal to be satisfactory subject to conditions of consent.	Yes
4K	Apartment Mix		
4K-1	<i>A range of apartment types and sizes is provided to cater for different household types now and into the future.</i>	86 units comprising: 8 x 1 bed 67 x 2 bed 11 x 3 bed Includes adaptable units	Yes
4K-2	<i>The apartment mix is distributed to suitable locations within the building.</i>	Satisfactory	Yes
4L	Ground Floor Apartments		
4L-1	<i>Street frontage activity is maximised where ground floor apartments are located.</i>	Ground floor units not permitted and none are proposed.	N/A
4L-2	<i>Design of ground floor apartments delivers amenity and safety for residents.</i>	N/A	N/A
4M	Façades		
4M-1	<i>Building facades provide visual interest along the street while respecting the character of the local area.</i>	Visual interest is achieved on the façades.	Yes
4M-2	<i>Building functions are expressed by the façade.</i>	Satisfactory	Yes
4N	Roof Design		
4N-1	<i>Roof treatments are integrated into the building design and positively respond to the street.</i>	Flat roof is considered satisfactory.	Yes
4N-2	<i>Opportunities to use roof space for residential accommodation and open space are maximised.</i>	Rooftop COS is proposed above Buildings A and B to maximum outdoor open space.	Yes
4N-3	<i>Roof design incorporates sustainability features.</i>	Considered satisfactory as vented skylights and landscaped planter beds are proposed.	Yes
4O	Landscape Design		
4O-1	<i>Landscape design is viable and sustainable.</i>	The application was referred to Council's Landscape and Tree Management Officer who raised no objection to the proposal, subject to conditions.	Yes
4O-2	<i>Landscape design contributes to the streetscape and amenity.</i>	Part N of the DCP requires a 3 metre setback for the Coolibah Street. A 3 metre setback is provided and will provide increased amenity.	Yes
4P	Planting on Structures		
4P-1	<i>Appropriate soil profiles are provided.</i>	The application was referred to Council's Landscape and Tree Management Officer who raised no objection to the proposal, subject to conditions.	Yes

APARTMENT DESIGN GUIDE (ADG)			
No.	SEPP 65 Apartment Design Guide	Relevant Control	Comply
4P-2	<i>Plant growth is optimised with appropriate selection and maintenance.</i>	As above	Yes
4P-3	<i>Planting on structures contributes to the quality and amenity of communal and public open spaces.</i>	As above	Yes
4Q	Universal Design		
4Q-1	<i>Universal design features are included in apartment design to promote flexible housing for all community members.</i>	Council's Accessibility Consultant has raised concern with the proposed design. However the concerns are able to be addressed by conditions.	No, however acceptable subject to conditions
4Q-2	<i>A variety of apartments with adaptable designs are provided.</i> Design guidance Adaptable housing should be provided in accordance with the relevant council policy	15% = 13/86 Adaptable units required, with disabled car parking spaces. 8 adaptable units shown on plans and Council's Accessibility Consultant has raised concern with the proposed design. However the concerns are able to be addressed by conditions.	No, however acceptable subject to conditions
4Q-3	<i>Apartment layouts are flexible and accommodate a range of lifestyle needs.</i>	Satisfactory	Yes
4R	Adaptive Reuse		
4R-1	<i>New additions to existing buildings are contemporary and complementary and enhance an area's identity and sense of place.</i>	N/A	N/A
4R-2	<i>Adapted buildings provide residential amenity while not precluding future adaptive reuse.</i>	N/A	N/A
4S	Mixed Use		
4S-1	<i>Mixed use developments are provided in appropriate locations and provide active street frontages that encourage pedestrian movement.</i>	Active street frontages to both streets are proposed with an awning over Sherwood Road footpath to protect pedestrians. Good pedestrian access is proposed on both street frontages. The increased width and sizes of the ground floor tenancies fronting Sherwood Road will promote a more active street frontage than the original development proposal.	Yes
4S-2	<i>Residential levels of the building are integrated within the development, and safety and amenity is maximised for residents.</i>	Residential levels of the building are integrated with the overall development and safety and security for residents would be achieved.	Yes
4T	Awnings and Signage		
4T-1	<i>Awnings are well located and complement and integrate with the building design.</i>	An awning is proposed along the Sherwood Road frontage that complies with the DCP.	Yes
4T-2	<i>Signage responds to the context and desired streetscape character.</i>	N/A	N/A
4U	Energy Efficiency		
4U-1	<i>Development incorporates passive environmental design.</i> Design guidance Adequate natural light is provided to habitable rooms (see 4A Solar and daylight access)	BASIX certificate confirms energy targets reached. ABSA Certificate provided.	Yes
4U-2	<i>Development incorporates passive solar design to optimise heat storage in winter and reduce heat transfer in summer.</i>	The development incorporates passive solar design with an appropriate level of dwellings achieving solar access, low levels of single aspect dwellings and maximised cross flow ventilation.	Yes
4U-3	<i>Adequate natural ventilation minimises the need</i>	Adequate number of units are natural	Yes



APARTMENT DESIGN GUIDE (ADG)			
No.	SEPP 65 Apartment Design Guide	Relevant Control	Comply
	<i>for mechanical ventilation.</i>	cross-ventilated.	
4V	Water Management and Conservation		
4V-1	<i>Potable water use is minimised.</i>	BASIX Certificate confirms that the proposal can achieve target scores for Water, Thermal Comfort and Energy.	Yes
4V-2	<i>Urban stormwater is treated on site before being discharged to receiving waters.</i>	The application was referred to Council's Development Engineer who raised no objection with the proposal, subject to conditions.	Yes
4V-3	<i>Flood management systems are integrated into site design.</i>	The site is not flood affected.	N/A
4W	Waste Management		
4W-1	<i>Waste storage facilities are designed to minimise impacts on the streetscape, building entry and amenity of residents.</i>	Council's Waste Management Officer has reviewed the proposal with regard to the additional information submitted on 31 May 2017. The waste officer has no objections with to the proposal.	Yes
4W-2	<i>Domestic waste is minimised by providing safe and convenient source separation and recycling.</i>	Council's Waste Management Officer has reviewed the proposal with regard to the additional information submitted on 31 May 2017. The waste officer has no objections with to the proposal.	Yes
4X	Building Maintenance		
4X-1	<i>Building design detail provides protection from weathering.</i>	Considered satisfactory.	Yes
4X-2	<i>Systems and access enable ease of maintenance.</i>	Considered satisfactory.	Yes
4X-3	<i>Material selection reduces ongoing maintenance costs.</i>	Considered satisfactory.	Yes

ANNEXURE A
Shadow Diagrams



Figure 1 – Shadow Diagram for 9:00am at 21 June

**Roof Voids for
Outdoor Terraces
for Hotel**

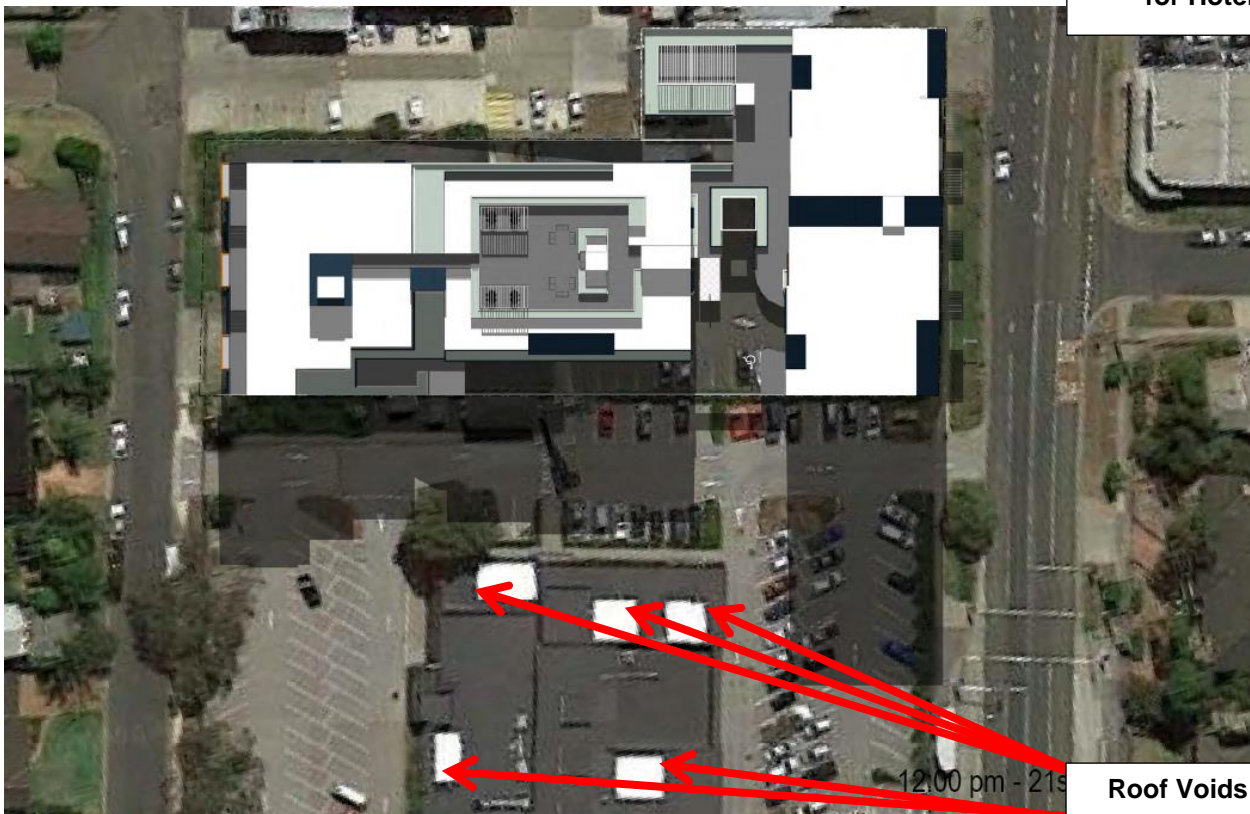


Figure 2 – Shadow Diagram for 12:00pm at 21 June

**Roof Voids for
Outdoor Terraces
for Hotel**

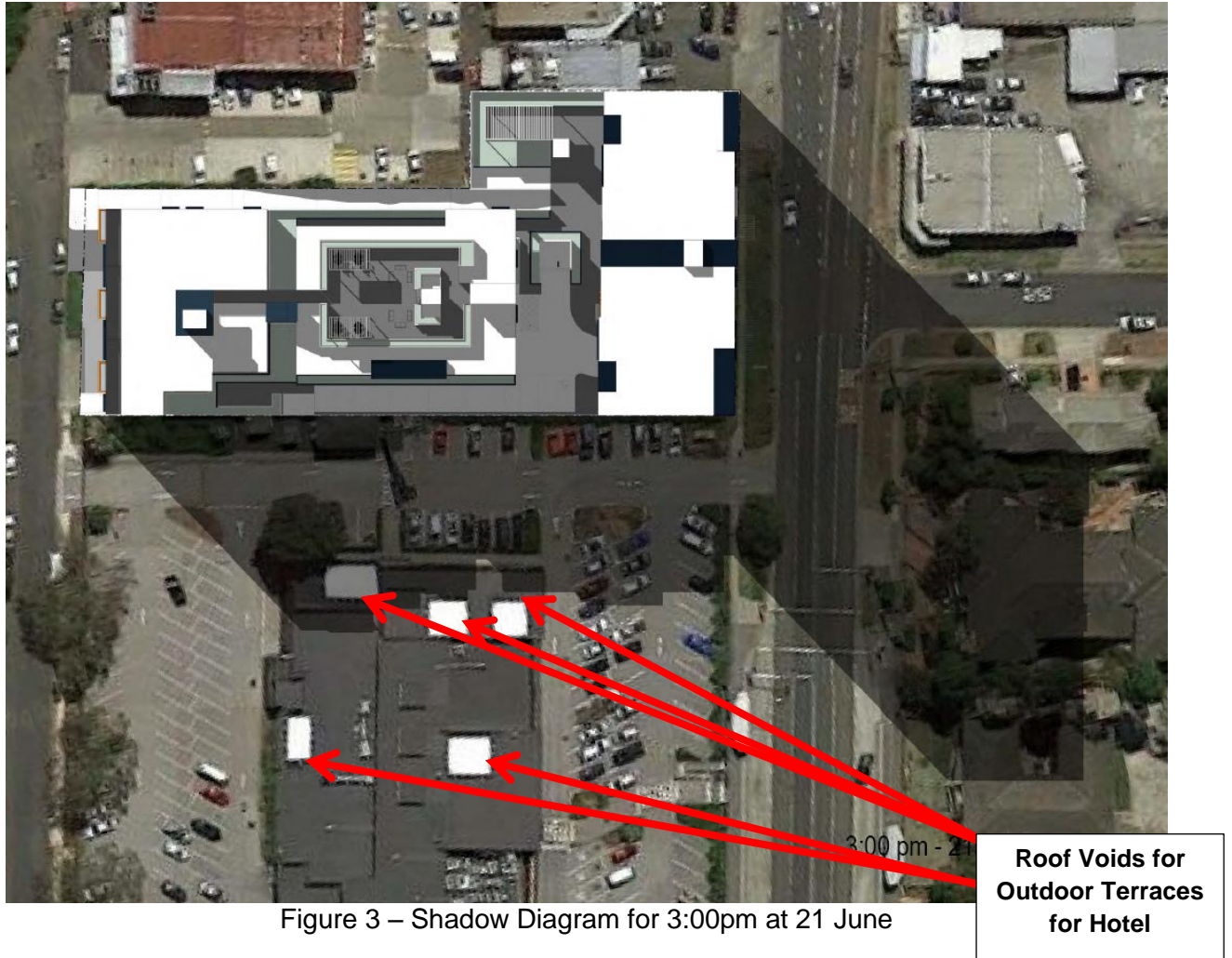


Figure 3 – Shadow Diagram for 3:00pm at 21 June



① 3D Shadow Diagrams - Coolibah Hotel - 11am



② 3D Shadow Diagrams - Coolibah Hotel - 12noon



③ 3D Shadow Diagrams - Coolibah Hotel - 1pm

**ANNEXURE B
ADG Apartment Size Calculations**

L2	Beds & Baths	Area Req'd	Area Prop	Comply?
1	3 bed,2 bath	95	95.3	Y
2	3 bed,2 bath	95	95.8	Y
3	2 bed,2 bath	75	75.7	Y
4	2 bed,2 bath	75	75.7	Y
5	3 bed,2 bath	95	95	Y
L3				
6	3 bed,2 bath	95	95.3	Y
7	2 bed,2 bath	75	75.7	Y
8	2 bed,2 bath	75	75.7	Y
9	2 bed,2 bath	75	83.2	Y
10	2 bed,2 bath	75	79.4	Y
11	2 bed,2 bath	75	75.7	Y
12	2 bed,2 bath	75	75.7	Y
13	3 bed,2 bath	95	95.8	Y
14	2 bed,2 bath	75	75.7	Y
15	2 bed,2 bath	75	75.6	Y
16	3 bed,2 bath	95	95	Y
39	2 bed,2 bath	75	75.5	Y
40	2 bed,2 bath	75	75.1	Y
41	2 bed,2 bath	75	75	Y
42	2 bed,2 bath	75	75.7	Y
43	2 bed,2 bath	75	75.7	Y
44	2 bed,2 bath	75	75.6	Y
45	2 bed,2 bath	75	75.1	Y
46	2 bed,2 bath	75	76.9	Y
L4				
17	3 bed,2 bath	95	95.3	Y
18	2 bed,2 bath	75	75.7	Y
19	2 bed,2 bath	75	75.7	Y
20	2 bed,2 bath	75	83.2	Y
21	2 bed,2 bath	75	79.4	Y
22	2 bed,2 bath	75	75.7	Y
23	2 bed,2 bath	75	75.7	Y
24	3 bed,2 bath	95	95.8	Y
25	2 bed,2 bath	75	75.7	Y
26	2 bed,2 bath	75	75.6	Y
27	3 bed,2 bath	95	95	Y
47	2 bed,2 bath	75	75.5	Y
48	2 bed,2 bath	75	75.1	Y
49	2 bed,2 bath	75	75	Y
50	2 bed,2 bath	75	75.7	Y
51	2 bed,2 bath	75	75.7	Y
52	2 bed,2 bath	75	75.6	Y
53	2 bed,2 bath	75	75.1	Y
54	2 bed,2 bath	75	76.9	Y

L5	Beds & Baths	Area Req'd	Area Prop	Comply?
28	3 bed,2 bath	95	95.3	Y
29	2 bed,2 bath	75	75.7	Y
30	2 bed,2 bath	75	75.7	Y
31	2 bed,2 bath	75	83.2	Y
32	2 bed,2 bath	75	79.4	Y
33	2 bed,2 bath	75	75.7	Y
34	2 bed,2 bath	75	75.7	Y
35	3 bed,2 bath	95	95.8	Y
36	1 bed,1 bath	50	53.3	Y
37	1 bed,1 bath	50	53.3	Y
38	2 bed,2 bath	75	84	Y
55	2 bed,2 bath	75	75.5	Y
56	2 bed,2 bath	75	75.1	Y
57	2 bed,2 bath	75	75	Y
58	2 bed,2 bath	75	75.7	Y
59	2 bed,2 bath	75	75.7	Y
60	2 bed,2 bath	75	75.6	Y
61	2 bed,2 bath	75	75.1	Y
62	2 bed,2 bath	75	76.9	Y
L6				
63	2 bed,2 bath	75	75.3	Y
64	1 bed,1 bath	50	50.3	Y
65	2 bed,2 bath	75	77.1	Y
66	2 bed,2 bath	75	75	Y
67	2 bed,2 bath	75	77.6	Y
68	2 bed,2 bath	75	75.6	Y
69	1 bed,1 bath	50	50.5	Y
70	2 bed,2 bath	75	75.6	Y
L7				
71	2 bed,2 bath	75	75.3	Y
72	1 bed,1 bath	50	50.3	Y
73	2 bed,2 bath	75	77.1	Y
74	2 bed,2 bath	75	75	Y
75	2 bed,2 bath	75	77.6	Y
76	2 bed,2 bath	75	75.6	Y
77	1 bed,1 bath	50	50.5	Y
78	2 bed,2 bath	75	75.6	Y
L8				
79	2 bed,2 bath	75	75.3	Y
80	1 bed,1 bath	50	50.3	Y
81	2 bed,2 bath	75	77.1	Y
82	2 bed,2 bath	75	75	Y
83	2 bed,2 bath	75	77.6	Y
84	2 bed,2 bath	75	75.6	Y
85	1 bed,1 bath	50	50.5	Y
86	2 bed,2 bath	75	75.6	Y

**ANNEXURE C
ADG POS Calculations**

Unit	UNIT SIZES	POS		
L2	Beds & Baths	POS Reqd	POS Prop	Comply?
1	3 bed,2 bath	12	15	Y
2	3 bed,2 bath	12	15	Y
3	2 bed,2 bath	10	13.5	Y
4	2 bed,2 bath	10	13.5	Y
5	3 bed,2 bath	12	15.2	Y
L3				
6	3 bed,2 bath	12	15	Y
7	2 bed,2 bath	10	13.5	Y
8	2 bed,2 bath	10	13.5	Y
9	2 bed,2 bath	10	19.1	Y
10	2 bed,2 bath	10	34.5	Y
11	2 bed,2 bath	10	47.6	Y
12	2 bed,2 bath	10	47.6	Y
13	3 bed,2 bath	12	15	Y
14	2 bed,2 bath	10	13.5	Y
15	2 bed,2 bath	10	13.5	Y
16	3 bed,2 bath	12	15.2	Y
39	2 bed,2 bath	10	10.6	Y
40	2 bed,2 bath	10	10.6	Y
41	2 bed,2 bath	10	16.7	Y
42	2 bed,2 bath	10	12.5	Y
43	2 bed,2 bath	10	10.4	Y
44	2 bed,2 bath	10	10	Y
45	2 bed,2 bath	10	13.9	Y
46	2 bed,2 bath	10	10.6	Y
L4				
17	3 bed,2 bath	12	15	Y
18	2 bed,2 bath	10	13.5	Y
19	2 bed,2 bath	10	13.5	Y
20	2 bed,2 bath	10	19.1	Y
21	2 bed,2 bath	10	21	Y
22	2 bed,2 bath	10	32.4	Y
23	2 bed,2 bath	10	32.9	Y
24	3 bed,2 bath	12	15	Y
25	2 bed,2 bath	10	13.5	Y
26	2 bed,2 bath	10	13.5	Y
27	3 bed,2 bath	12	15.2	Y
47	2 bed,2 bath	10	10.6	Y
48	2 bed,2 bath	10	10.6	Y
49	2 bed,2 bath	10	16.7	Y
50	2 bed,2 bath	10	12.5	Y
51	2 bed,2 bath	10	10.4	Y
52	2 bed,2 bath	10	10	Y
53	2 bed,2 bath	10	13.9	Y
54	2 bed,2 bath	10	10.6	Y

L5	Beds & Baths	POS Reqd	POS Prop	Comply?
28	3 bed,2 bath	12	15	Y
29	2 bed,2 bath	10	13.5	Y
30	2 bed,2 bath	10	13.5	Y
31	2 bed,2 bath	10	19.1	Y
32	2 bed,2 bath	10	21	Y
33	2 bed,2 bath	10	32.4	Y
34	2 bed,2 bath	10	32.9	Y
35	3 bed,2 bath	12	15	Y
36	1 bed,1 bath	8	33.7	Y
37	1 bed,1 bath	8	34	Y
38	2 bed,2 bath	10	24.16	Y
55	2 bed,2 bath	10	10.6	Y
56	2 bed,2 bath	10	10.6	Y
57	2 bed,2 bath	10	16.7	Y
58	2 bed,2 bath	10	12.5	Y
59	2 bed,2 bath	10	10.4	Y
60	2 bed,2 bath	10	10	Y
61	2 bed,2 bath	10	13.9	Y
62	2 bed,2 bath	10	10.6	Y
L6				
63	2 bed,2 bath	10	33.5	Y
64	1 bed,1 bath	8	28.1	Y
65	2 bed,2 bath	10	10.2	Y
66	2 bed,2 bath	10	10.4	Y
67	2 bed,2 bath	10	10	Y
68	2 bed,2 bath	10	10	Y
69	1 bed,1 bath	8	25.6	Y
70	2 bed,2 bath	10	31.4	Y
L7				
71	2 bed,2 bath	10	12.8	Y
72	1 bed,1 bath	8	18.8	Y
73	2 bed,2 bath	10	10	Y
74	2 bed,2 bath	10	10	Y
75	2 bed,2 bath	10	10	Y
76	2 bed,2 bath	10	10	Y
77	1 bed,1 bath	8	13.6	Y
78	2 bed,2 bath	10	11.8	Y
L8				
79	2 bed,2 bath	10	12.8	Y
80	1 bed,1 bath	8	18.8	Y
81	2 bed,2 bath	10	10	Y
82	2 bed,2 bath	10	10	Y
83	2 bed,2 bath	10	10	Y
84	2 bed,2 bath	10	10	Y
85	1 bed,1 bath	8	13.6	Y
86	2 bed,2 bath	10	11.8	Y