

SEPP 65 Apartment Design Guide														
No.	Required / Permitted		Comment	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.			Yes										
3B	Orientation													
3B-1	Building types and layouts respond to the streetscape and site while optimising solar access within the development.			Yes										
3B-2	Overshadowing of neighbouring properties is minimised during mid-winter.			Yes										
3C	Public Domain Interface													
3C-1	Transition between private and public domain is achieved without compromising safety and security.			Yes										
3C-2	Amenity of the public domain is retained and enhanced.			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.			Yes										
Design Criteria	Communal open space has a minimum area equal to 25% of the site.	The proposal communal open space is 756.4m ² in area, equivalent to 63.31% of the site area.		Yes										
	Required: 25% x 1,194.7m ² = 299m ² Developments achieve a minimum of 50% direct sunlight to the principal usable part of the communal open space for a minimum of 2 hours between 9 am and 3 pm on 21 June (mid-winter).	The principal usable part of the communal open space (50%) achieves 2 hours of sunlight in mid-winter.		Yes										
3D-2	Communal open space is designed to allow for a range of activities, respond to site conditions and be attractive and inviting.			Yes										
3D-3	Communal open space is designed to maximise safety.			Yes										
3D-4	Public open space, where provided, is responsive to the existing pattern and uses of the neighbourhood.			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.			Yes										
Design Criteria	Deep soil zones are to meet the following minimum requirements:	The proposed development does not provide deep soil zones.		Yes										
	<table><thead><tr><th>Site area</th><th>Minimum dimensions</th><th>Deep soil zone (% of site area)</th></tr></thead><tbody><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></tbody></table> Required: 7% x 1,194.7m ² = 83.6m ² Design guidance On some sites it may be possible to provide larger deep soil zones, depending on the site area and context: <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
Site area	Minimum dimensions	Deep soil zone (% of site area)												
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	Design guidance	<p>Achieving the design criteria may not be possible on some sites including 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).there is 100% site coverage or non-residential uses at ground floor level. <p>Where a proposal does not achieve deep soil requirements, acceptable stormwater management should be achieved and alternative forms of planting provided such as on structure.</p>	<p>Due to the nature of the development on the subject site, i.e. shop top housing with commercial at grade, and basement parking, no space at ground level is able to be afforded to deep soil zone.</p> <p>An OSD system has been designed to collect stormwater runoff from the site, which has been found to be acceptable by Council's Development Engineer.</p>	Yes												
3F	Visual Privacy															
3F-1	<i>Adequate building separation distances are shared equitably between neighbouring sites, to achieve reasonable levels of external and internal visual privacy.</i>			Yes												
	Design Criteria	<p>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> <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> <p>Note: Separation distances between buildings on the same site should combine required building separations depending on the type of room.</p> <p>Gallery access circulation should be treated as habitable space when measuring privacy separation distances between neighbouring properties.</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	<p>North Separation Interface with Kerrs Road, Lidcombe</p> <p>East Separation Interface with Joseph Street, Lidcombe</p> <p>South Separation Interface with 48 Joseph Street, Lidcombe</p> <p>Blank walls have been designed to the southern boundary. The walkway areas within the central circulation core have been designed with full height privacy screening to maintain visual privacy.</p> <p>West Separation Interface with Armstrong Lane.</p> <p><u>Level 1</u> Required = 6m Provided = 6m</p> <p><u>Levels 2 to 4</u> Required = 6m Provided = 6m</p> <p><u>Levels 5 to 8</u> Required = 9m Provided = 6m</p> <p><u>Level 9</u> Required = 12m Provided = >12m</p> <p>*Refer to commentary within the report.</p>	No, but Acceptable
Building height	Habitable rooms and balconies	Non-habitable rooms														
up to 12m (4 storeys)	6m	3m														
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		Apartment buildings should have an increased separation distance of 3m (in addition to the requirements set out in design criteria 1) when adjacent to a different zone that permits lower density residential development to provide for a transition in scale and increased landscaping.	Not Applicable.	N/A																								
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.			Yes																								
3G	Pedestrian Access and Entries																											
3G-1	Building entries and pedestrian access connects to and addresses the public domain.			Yes																								
3G-2	Access, entries and pathways are accessible and easy to identify.			Yes																								
3G-3	Large sites provide pedestrian links for access to streets and connection to destinations.			N/A																								
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.			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.			Yes																								
	Design Criteria	<p>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; oron 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.</p> <table><tr><th colspan="2">Control</th></tr><tr><td>1 bedroom</td><td>0.6 spaces</td></tr><tr><td>2 bedroom</td><td>0.9 space</td></tr><tr><td>3 bedroom</td><td>1.4 spaces</td></tr><tr><td>4+ bedroom</td><td>1.4 spaces</td></tr><tr><td>Visitor / dwelling</td><td>0.2 spaces</td></tr></table>	Control		1 bedroom	0.6 spaces	2 bedroom	0.9 space	3 bedroom	1.4 spaces	4+ bedroom	1.4 spaces	Visitor / dwelling	0.2 spaces	<p>The subject site is within 800 metres of Granville Station.</p> <table><tr><th colspan="2">Required</th></tr><tr><td>1 bedroom - 0.6 x 24 =</td><td>14.4</td></tr><tr><td>2 bedroom - 0.9 x 39 =</td><td>35.1</td></tr><tr><td>3 bedroom - 1.4 x 9 =</td><td>12.6</td></tr><tr><td>Visitor - 0.2 x 72 =</td><td>14.4</td></tr><tr><td>Total</td><td>76.5 sp</td></tr></table> <p>78 car parking spaces have been provided, made up of 63 resident spaces and 15 visitor spaces.</p>	Required		1 bedroom - 0.6 x 24 =	14.4	2 bedroom - 0.9 x 39 =	35.1	3 bedroom - 1.4 x 9 =	12.6	Visitor - 0.2 x 72 =	14.4	Total	76.5 sp	Yes
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Total	76.5 sp																											
3J-2	Parking and facilities are provided for other modes of transport.			Yes																								
3J-3	Car park design and access is safe and secure			Yes																								
3J-4	Visual and environmental impacts of underground car parking are minimised.			Yes																								
3J-5	Visual and environmental impacts of on-grade car parking are minimised.			N/A																								
3J-6	Visual and environmental impacts of above ground enclosed car parking are minimised.			N/A																								
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.			Yes																								
	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	51 of the 72 units proposal achieve 2 hours direct sunlight between 9am and 3pm mid-winter, equivalent to 70.83% of units.	Yes																								

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		pm at mid-winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas. Required: 70% x 72 units = 50.4 units														
		A maximum of 15% of apartments in a building receive no direct sunlight between 9 am and 3 pm at mid-winter. Maximum: 15% x 72 units = 10.8 units	All units achieve some level of direct sunlight between 9am and 3pm mid-winter.	Yes												
4A-2	Daylight access is maximised where sunlight is limited.			Yes												
4A-3	Design incorporates shading and glare control, particularly for warmer months.			Yes												
4B	Natural Ventilation															
4B-1	All habitable rooms are naturally ventilated.			Yes												
4B-2	The layout and design of single aspect apartments maximises natural ventilation.			Yes												
4B-3	The number of apartments with natural cross ventilation is maximised to create a comfortable indoor environment for residents.			Yes												
	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. Required: 60% x 72 units = 43.2 units	48 units of the 72 units proposed are naturally cross ventilated, equivalent to 66.6% of units.	Yes												
		Overall depth of a cross-over or cross-through apartment does not exceed 18m, measured glass line to glass line.	The cross-over and cross-through units do no exceed 18m, measured glass line to glass line.	Yes												
4C	Ceiling Heights															
4C-1	Ceiling height achieves sufficient natural ventilation and daylight access.			Yes												
	Design Criteria	Measured from finished floor level to finished ceiling level, minimum ceiling heights are: <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> These minimums do not preclude higher ceilings if desired.	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	The proposed ceiling heights are as follows: <ul style="list-style-type: none">- Ground Floor 3.3m- First Floor 2.73m- Second Floor 2.73m- Third Floor 2.73m- Fourth Floor 2.73m- Fifth Floor 2.73m- Sixth Floor 2.73m- Seventh Floor 2.73m- Eighth Floor 2.73m- Ninth Floor 2.73m *Refer to commentary within the report.	No, but acceptable
Minimum ceiling height for apartment and mixed use buildings																
Habitable rooms	2.7m															
Non-habitable	2.4m															
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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															
4C-2	Ceiling height increases the sense of space in apartments and provides for well-proportioned rooms.			Yes												
4C-3	Ceiling heights contribute to the 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												

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	Design Criteria	Apartments are required to have the following minimum internal areas: <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	35m ²	1 bedroom	50m ²	2 bedroom	70m ²	3 bedroom	90m ²	The units comply with the minimum internal area requirements	Yes
		Apartment type	Minimum internal area											
		Studio	35m ²											
1 bedroom	50m ²													
2 bedroom	70m ²													
3 bedroom	90m ²													
The minimum internal areas include only one bathroom. Additional bathrooms increase the minimum internal area by 5m ² each. 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 access to an external window.		Yes										
4D-2	Environmental performance of the apartment is maximised.			Yes										
	Design Criteria	Habitable room depths are limited to a maximum of 2.5 x the ceiling height.	The proposed development complies with this requirement.	Yes										
		In open plan layouts (where the living, dining and kitchen are combined) the maximum habitable room depth is 8m from a window.	The combined living, dining and kitchen areas maintain a depth <8 metres, as measured from a window.	Yes										
4D-3	Apartment layouts are designed to accommodate a variety of household activities and needs.			Yes										
	Design Criteria	Master bedrooms have a minimum area of 10m ² and other bedrooms 9m ² (excluding wardrobe space).	The proposed development complies with this requirement.	Yes										
		Bedrooms have a minimum dimension of 3m (excluding wardrobe space).	The proposed development complies with this requirement.	Yes										
		Living rooms or combined living/dining rooms have a minimum width of: <ul style="list-style-type: none">3.6m for studio and 1 bedroom apartments4m for 2 and 3 bedroom apartments.	The proposed development complies with this requirement.	Yes										
		The width of cross-over or cross-through apartments are at least 4m internally to avoid deep narrow apartment layouts.	All cross-over or cross-through apartments are at least 4m wide.	Yes										

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4E	Private Open Space and Balconies					
4E-1	Apartments provide appropriately sized private open space and balconies to enhance residential amenity.				Yes	
	Design Criteria	All apartments are required to have primary balconies as follows:		All balcony areas comply with the minimum requirements.	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 balcony area is 1m.		Not Applicable.	N/A	
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.						
4E-2	Primary private open space and balconies are appropriately located to enhance liveability for residents.				Yes	
4E-3	Private open space and balcony design is integrated into and contributes to the overall architectural form and detail of the building.				Yes	
4E-4	Private open space and balcony design maximises safety.				Yes	
4F	Common Circulation and Spaces					
4F-1	Common circulation spaces achieve good amenity and properly service the number of apartments.				Yes	
	Design Criteria	The maximum number of apartments off a circulation core on a single level is eight.		The maximum number of units on single level is 10. The number of cores proposed per level is 2, and therefore, a maximum of 5 units are serviced per circulation core.	Yes	
		For buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40.		Not Applicable.	N/A	
4F-2	Common circulation spaces promote safety and provide for social interaction between residents.				Yes	
4G	Storage					
4G-1	Adequate, well designed storage is provided in each apartment.				Yes	
	Design Criteria	In addition to storage in kitchens, bathrooms and bedrooms, the following storage is provided:		Storage areas have been provided within the units and within the basement.	Yes	
		Dwelling type	Storage size volume			
		Studio apartments	4m ³			
		1 bedroom apartments	6m ³			
		2 bedroom apartments	8m ³			
		3+ bedroom apartments	10m ³			
		At least 50% of the required storage is to be located within the apartment.				
4G-2	Additional storage is conveniently located, accessible and nominated for individual apartments.				Yes	
4H	Acoustic Privacy					
4H-1	Noise transfer is minimised through the siting of buildings and building layout.				Yes	
4H-2	Noise impacts are mitigated within apartments through layout and acoustic treatments.				Yes	
4J	Noise and Pollution					
4J-1	In noisy or hostile environments the impacts of external noise and pollution are minimised				Yes	

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	<i>through the careful siting and layout of buildings.</i>		
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>		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>		Yes
4K-2	<i>The apartment mix is distributed to suitable locations within the building.</i>		Yes
4L	Ground Floor Apartments		
4L-1	<i>Street frontage activity is maximised where ground floor apartments are located.</i>		N/A
4L-2	<i>Design of ground floor apartments delivers amenity and safety for residents.</i>		N/A
4M	Façades		
4M-1	<i>Building facades provide visual interest along the street while respecting the character of the local area.</i>		Yes
4M-2	<i>Building functions are expressed by the façade.</i>		Yes
4N	Roof Design		
4N-1	<i>Roof treatments are integrated into the building design and positively respond to the street.</i>		Yes
4N-2	<i>Opportunities to use roof space for residential accommodation and open space are maximised.</i>		Yes
4N-3	<i>Roof design incorporates sustainability features.</i>		Yes
4O	Landscape Design		
4O-1	<i>Landscape design is viable and sustainable.</i>		Yes
4O-2	<i>Landscape design contributes to the streetscape and amenity.</i>		Yes
4P	Planting on Structures		
4P-1	<i>Appropriate soil profiles are provided.</i>		Yes
4P-2	<i>Plant growth is optimised with appropriate selection and maintenance.</i>		Yes
4P-3	<i>Planting on structures contributes to the quality and amenity of communal and public open spaces.</i>		Yes
4Q	Universal Design		
4Q-1	<i>Universal design features are included in apartment design to promote flexible housing for all community members.</i>		Yes
4Q-2	<i>A variety of apartments with adaptable designs are provided.</i>		Yes
4Q-3	<i>Apartment layouts are flexible and accommodate a range of lifestyle needs.</i>		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
4R-2	<i>Adapted buildings provide residential amenity while not precluding future adaptive reuse.</i>		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>		Yes
4S-2	<i>Residential levels of the building are integrated within the development, and safety and amenity is maximised for residents.</i>		Yes
4T	Awnings and Signage		
4T-1	<i>Awnings are well located and complement and integrate with the building design.</i>		Yes
4T-2	<i>Signage responds to the context and desired streetscape character.</i>		Yes
4U	Energy Efficiency		
4U-1	<i>Development incorporates passive environmental design.</i>		Yes
4U-2	<i>Development incorporates passive solar design to optimise heat storage in winter and reduce heat transfer in summer.</i>		Yes
4U-3	<i>Adequate natural ventilation minimises the need for mechanical ventilation.</i>		Yes
4V	Water Management and Conservation		
4V-1	<i>Potable water use is minimised.</i>		Yes
4V-2	<i>Urban stormwater is treated on site before being discharged to receiving waters.</i>		Yes
4V-3	<i>Flood management systems are integrated into site design.</i>		Yes
4W	Waste Management		
4W-1	<i>Waste storage facilities are designed to minimise impacts on the streetscape, building entry and amenity of residents.</i>		Yes
4W-2	<i>Domestic waste is minimised by providing safe and convenient source separation and recycling.</i>		Yes
4X	Building Maintenance		

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4X-1	<i>Building design detail provides protection from weathering.</i>		Yes
4X-2	<i>Systems and access enable ease of maintenance.</i>		Yes
4X-3	<i>Material selection reduces ongoing maintenance costs.</i>		Yes