APPENDIX A5: ADG COMPLIANCE

ADG Ref.	Item Description	Notes	Compliance	
PART3	SITING THE DEVELOPMENT			
3A	SITE ANALYSIS			
3A-1 p47	Objective: Site Analysis illustrates that design decisions have been based on opposite conditions & their relationship to the surrounding context.	ortunities & constraints of the		\checkmark
	DESIGN GUIDANCE		CONSIDERED	
	Each element in the Site Analysis Checklist is addressed.		YES	
3B	ORIENTATION			
3B-1 p49	Objective: Building types & layouts respond to the streetscape & site while optim development	nising solar access within the		\checkmark
	Design Guidance		CONSIDERED	
	Buildings along the street frontage define the street by facing it & incorporating direct access from the street	-	YES	
	Where the street frontage is to the east or west, rear buildings are orientated to the north	-	N/A	
	Where the street frontage is to the north or south, overshadowing to the south is minimised & buildings behind the street frontage are orientated east & west	-	N/A	
3B-2 p49	Objective: Overshadowing of neighbouring properties is minimised during mid with	inter.		\checkmark
	Design Guidance		CONSIDERED	
	Living areas, private open space & communal open space receive solar access in accordance with section 3D Communal & Public Open Space and section 4A Solar & Daylight Access	Capable of complying.	YES	
	Solar access to living rooms, balconies & private open spaces of neighbours are considered	Refer to appended Solar access assessment	YES	
	Where an adjoining property does not currently receive the required hours of solar access, the proposed building ensures solar access to neighbouring properties is not reduced by more than 20%	Refer to appended Solar access assessment	N/A	
	If the proposal will reduce the solar access of neighbours, building separation is increased beyond minimums contained in 3F Visual Privacy	Refer to appended Solar access assessment	N/A	
	Overshadowing is minimised to the south or downhill by increased upper level setbacks	Refer to appended Solar access assessment	YES	
	Buildings are orientated at 90 deg to the boundary with neighbourings to minimise overshadowing & privacy impacts, particularly where minimum setbacks are used & buildings are higher than the adjoining development	-	N/A	
	A minimum of 4 hours of solar access is retained to solar collectors on neighbouring buildings	Refer to appended Solar access assessment	YES	
3C	PUBLIC DOMAIN INTERFACE			
3C-1 p51	Objective: Transition between private & public domain is achieved without comp	romising safety & security.		✓
	Design Guidance		CONSIDERED	
	Terraces, balconies and courtyard apartments have direct street entry, where appropriate	-	YES	
	Changes in level between private terraces, front gardens & dwelling entries above the street level provide surveillance & improve visual privacy for ground level dwellings	Capable of complying.	YES	

DG Ref.	Item Description	Notes	Compliance	
	Upper level balconies & windows overlook the public domain	Capable of complying.	YES	
	Front fences & walls along street frontages use visually permeable materials & treatments. Height of solid fences or walls is limited to 1m	Capable of complying.	YES	
	Length of solid walls is limited along street frontages	Capable of complying.	YES	
	Opportunities for casual interaction between residents & the public domain is provided for. Design solutions may include seating at building entries, near letter boxes & in private courtyards adjacent to streets	Capable of complying.	YES	
	In developments with multiple buildings and/or entries, pedestrian entries & spaces associated with individual buildings/entries are differentiated to improve legibility for residents, using the following design solutions: Architectural detailing; Changes in materials; Plant Species; Colours; Opportunities for people to be concealed are minimised	Capable of complying.	YES	
C-2 53	Objective: Amenity of the public domain is retained & enhanced.			√
	Design Guidance		CONSIDERED	
	Planting is used to soften the edges of any raised terraces to the street, for example above sub-basement car parking	Capable of complying.	YES	
	Mail boxes are located in lobbies, perpendicular to the street alignment or integrated into front fences where individual street entries are provided	Capable of complying.	YES	
	The visual prominence of underground car park vents is minimised & located at a low level where possible	Capable of complying.	YES	
	Substations, pump rooms, garbage storage areas & other service requirements are located in basement car parks or out of view	Capable of complying.	YES	
	Ramping for accessibility is minimised by building entry location & setting ground floor levels in relation to footpath levels	Capable of complying.	YES	
	Durable, graffiti resistant & easily cleanable materials are used	Capable of complying.	YES	
	Where development adjoins public parks, open space or bushland, the design positively addresses this interface & uses the following design solutions: Street access, pedestrian paths & building entries are clearly defined; Paths, low fences & planting are clearly delineate between communal/private open space & the adjoining public open space; Minimal use of blank walls, fences & ground level parking	Capable of complying.	YES	
	On sloping sites protrusion of car parking above ground level is minimised by using split levels to step underground car parking	Capable of complying.	YES	
)	COMMUNAL & PUBLIC OPEN SPACE			
D-1 55	Objective: An adequate area of communal open space is provided to enhance re opportunities for landscaping.	sidential amenity & to provide		v
1	Design Criteria Communal open space has a minimum area equal to 25% of the site	Communal open space is	YES	
-		to be assessed lot by lot during stage 2 DAs. The IDS proposes ground and rooftop communal open space greater than 25% of the overall site area.		•
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)	Capable of complying.		v
	Design Guidance		CONSIDERED	
	Communal open space is consolidated into a well designed & usable area	Capable of complying.	YES	
	Communal open space have a minimum dimension of 3m. Larger developments should consider greater dimensions	Capable of complying.	YES	
	Communal open space are co-located with deep soil areas	Capable of complying.	YES	
	Direct, equitable access are provided to communal open space areas from common circulation areas, entries & lobbies	Capable of complying.	YES	
	Where communal open space cannot be provided at ground level, it is provided on a podium or roof	Capable of complying.	YES	
	Where developments are unable to achieve the design criteria, such as on small lots, sites within business zones, or in a dense urban area, they need to Provide alternative options for residents	Capable of complying.	YES	

DG Ref.	Item Description				Notes	Compliance	
D-2 57	Objective: Communal attractive and inviting	open space is design	ed to allow for a range	of activities, r	espond to site conditions & be		~
	Design Guidance						
	range of age groups (s following: Seating for i	ee 4F Common Circu individuals or groups;	en spaces & common s lation & Spaces), incor Barbeque areas; Play is courts or common ro	rporating the equipment	Capable of complying.	YES	
	Location of facilities re sun in winter, shade in	Capable of complying.	YES				
	•	·	ncluding location of ver substations & detention		Capable of complying.	YES	
D-3 57	Objective: Communal open space is designed to maximise safety.						٧
	Design Guidance					CONSIDERED	
	habitable rooms & private	vate open space area	ould be readily visible f s while maintaining vis ner windows; Balconies	sual privacy.	Capable of complying.	YES	
•	Communal open space	e is well lit			Capable of complying.	YES	
	Communal open space are safe and contained	·	rovided for children & y	oung people	Capable of complying.	YES	
D-4 59	Objective: Public open	space, where provide	ed, responds to the exis	sting pattern &	k uses of the neighbourhood.		٧
-	Design Guidance						
	Public open space is w	vell connected with pu	ublic streets along at le	ast one edge		YES	
	POS is connected with nearby parks & other landscape elements						
	POS is linked through view lines, pedestrian desire paths, termination points & the wider street grid						
	Solar access is provided year round along with protection from strong winds					YES	
	Opportunities for a range of recreational activities is provided for all ages					YES	
	Positive street address & active street frontages are provided adjacent to POS						
•	Boundaries are clearly defined between POS & private areas						
E	DEEP SOIL ZONES						
E-1 61	Objective: Deep soil zo promote management			wth, improve	residential amenity and		٧
	Design Criteria						
1	Deep soil zones are to Site Area (sgm)	meet the following m Minimum Dim (m)	Deep Soil Zone	:	Consistent with the DCP and DPIE recomendation, greater		٧
	,	William Dilli (III)	(% of site area)		than 15% of the masterplan site area is provided as		
	less than 650	-	7		deep soil with a minimum dimension >6m, and greater		
	650-1500	3			than 30% of the masterplan		
	greater than 1500	6			site area is provided as deep soil with a minimum dimension of 4m.		
	Design Guidance					CONSIDERED	
	On some sites it may be		larger deep soil zones as deep soil on sites wi			YES	
	1,500sqm	·	deep soil on sites great				
	Deep soil zones are located to retain existing significant trees & to allow for the development of healthy root systems, providing anchorage & stability for mature trees. Design solutions may include: Basement & sub-basement car park design that is consolidated beneath building footprints; Use of increased front & side setbacks; Adequate clearance around trees to ensure long term health; Co-location with other deep soil areas on adjacent sites to create larger contiguous areas of deep soil					YES	

NDG Ref.	Item Description				Notes	Compliance	
	Achieving the design crite where: location & buildin at ground level (e.g. centrareas, or in centres); ther ground floor level.	g typology have limited ral business district, con	or no space for deep strained sites, high o	soil density		N/A	
3F	VISUAL PRIVACY						
3F-1 63	Objective: Adequate build reasonable levels of exter			oly betweer	n neighbouring sites, to achieve		√
	Design Criteria						
1	Separation between wind is achieved. Minimum red & rear boundaries are as	quired separation distan	Indicative reference design demonstrates scheme is capable of complying.	YES	√		
	Building Height (m)	Habitable Rooms & Balconies. (m)	Non-Habitable Rooms (m)				
	up to 12 4 storeys)	6	3				
	up to 25 (5-8 storeys)	9	4.5				
	over 25 (9+ storeys)	12	6				
	Note: Separation distance combine required buildin access circulation should privacy separation distan	g separations depending be treated as habitable	g on the type of roon space when measu	n. Gallery			
	Design Guidance			CONSIDERED			
	Generally as the height in due to building separation appearance		-	N/A			
	For residential buildings in are measured as follows: habitable room distances distances	Retail, office spaces &	-	N/A			
	New development are loc buildings on site & for ne site layout & building are Orientation); on sloping s visual separation distance	ighbouring buildings. De orientated to minimise ites, apartments on diff	Capable of complying.	YES			
	Apartment buildings have to 3F-1 Design Criteria) w lower density residential increased landscaping (p	hen adjacent to a differ development, to provide	-	N/A			
	Direct lines of sight are a	voided for windows & ba	alconies across corn	ers	Capable of complying.	YES	
	No separation is required	l between blank walls			Adopted in 4 locations in the northern precinct	YES	
8F-2 65	Objective: Site & building balance outlook & views				ng access to light & air and		√
	Design Guidance					CONSIDERED	
	Communal open space, of from private open space room windows. Design so balustrades on balconies to separate spaces; scree provide privacy in one direprivate open space above boxes incorporated into we pergolas or shading devict open space; on constrain layout opportunities are land/or balconies	& windows to apartmen olutions include: setback at lower levels; fencing ening devices; bay windo ection & outlook in anot the public domain or co valls & balustrades to in ces to limit overlooking of led sites where it can be	ts, particularly habit s; solid or partially s and/or trees and ve ows or pop out windo ther; raising apartme ommunal open spac crease visual separa of lower apartments demonstrated that	able solid getation westo ents or e; planter tion; or private building	Capable of complying.	YES	
	Bedrooms, living spaces	& other habitable rooms	s are separated from	gallery	Capable of complying.	YES	

DG Ret.	Item Description Notes	Compliance	
	Balconies & private terraces are located in front of living rooms to increase internal privacy Capable of complying.	YES	
	Windows are offset from the windows of adjacent buildings Capable of complying.	YES	
	Recessed balconies and/or vertical fins are used between adjacent balconies Capable of complying.	YES	
G	PEDESTRIAN ACCESS & ENTRIES		
G-1 67	Objective: Building entries & pedestrian access connects to and addresses the public domain.		√
	Design Guidance	CONSIDERED	
	Multiple entries (including communal building entries & individual ground floor capable of complying. entries) activate the street edge	YES	
	Entry locations relate to the street & subdivision pattern, and the existing pedestrian network Capable of complying.	YES	
	Building entries are clearly identifiable. Communal entries are clearly distinguishable from private entries	YES	
	Where street frontage is limited, a primary street address should be provided Capable of complying. with clear sight lines and pathways to secondary building entries	YES	
3G-2 p67	Objective: Access, entries & pathways are accessible & easy to identify.		√
	Design Guidance	CONSIDERED	
	Building access areas including lift lobbies, stairwells & hallways are clearly visible from the public domain & communal spaces	YES	
	The design of ground floors & underground car parks minimise level changes Capable of complying. along pathways & entries	YES	
	Steps & ramps are integrated into the overall building & landscape design Capable of complying.	YES	
	For large developments 'way finding' maps are provided to assist visitors & Capable of complying. residents	YES	
	For large developments electronic access & audio/video intercom are provided Capable of complying. to manage access	YES	
G-3 67	Objective: Large sites provide pedestrian links for access to streets & connection to destinations.		√
	Design Guidance	CONSIDERED	
	Pedestrian links through sites facilitate direct connections to open space, main streets, centres & public transport Proposed in several locations.	YES	
	Pedestrian links are direct, have clear sight lines, are overlooked by habitable rooms or private open spaces of dwellings, are well lit & contain active uses, where appropriate	YES	
Н	VEHICLE ACCESS		
H-1 69	Objective: Vehicle access points are designed & located to achieve safety, minimise conflicts between pedestrians & vehicles and create high quality streetscapes.		V
	Design Guidance	CONSIDERED	
	Car park access is integrated with the building's overall facade. Design solutions include: materials & colour palette minimise visibility from street; security doors/gates minimise voids in the facade; where doors are not provided, visible interiors reflect facade design, and building services, pipes & ducts are concealed	YES	
	Car park entries are located behind the building line Capable of complying.	YES	
	Vehicle entries are located at the lowest point of the site, minimising ramp lengths, excavation & impacts on the building form and layout Capable of complying.	YES	
	Car park entry & access are located on secondary streets or lanes where available Complies except where retention is given priorit		
	Vehicle standing areas that increase driveway width & encroach into setbacks Capable of complying. are avoided	YES	
	Access point is located to avoid headlight glare to habitable rooms Capable of complying.	YES	
	Adequate separation distances are provided between vehicle entries & street Capable of complying. intersections	YES	

ADG I	Ref.	Item Description	Notes	Compliance	
		Visual impact of long driveways is minimised through changing alignments & screen planting	Capable of complying.	YES	
		The need for large vehicles to enter or turn around within the site is avoided	In the core, most buildings will be serviced from below ground loading areas	NO	
		Garbage collection, loading & servicing areas are screened	Capable of complying.	YES	
		Clear sight lines are provided at pedestrian & vehicle crossings	Capable of complying.	YES	
		Traffic calming devices, such as changes in paving material or textures, are used where appropriate	Capable of complying.	YES	
		Pedestrian & vehicle access are separated & distinguishable. Design solutions include: Changes in surface materials; Level changes; Landscaping for separation	Capable of complying.	YES	
BJ		BICYCLE & CAR PARKING			
3J-1 571		Objective: Car parking is provided based on proximity to public transport in metroregional areas.	opolitan Sydney & centres in		√
		Design Criteria			
	1	For development in the following locations: on sites that are within 800m of a railway station or light rail stop in the Sydney Metropolitan Area; or on land zoned, and sites within 400m of land zoned, B3 Commercial Core, B4 Mixed Use or equivalent in a nominated regional centre the minimum car parking requirement for residents & visitors is set out in the Guide to Traffic Generating Developments, or the car parking requirement prescribed by the relevant council, whichever is less.	Parking is provided in accordance with DCP rates.		√
		The car parking needs for a development must be provided off street.		CONSIDERED	
		Design Guidance Where a car share scheme operates locally, car share parking spaces are provided within the development.		YES	
		Where less car parking is provided in a development, council do not provide on street resident parking permits		N/A	
3J-2 571		Objective: Parking & facilities are provided for other modes of transport.			√
		Design Guidance		CONSIDERED	
		Conveniently located & sufficient numbers of parking spaces are provided for motorbikes & scooters	Capable of complying.	YES	
		Secure undercover bicycle parking is provided & easily accessible from both public domain & common areas	Capable of complying.	YES	
		Conveniently located charging stations are provided for electric vehicles, where desirable	Capable of complying.	YES	
J-3 73		Objective: Car park design & access is safe and secure.			V
		Design Guidance		CONSIDERED	
		Supporting facilities within car parks, including garbage, plant & switch rooms, storage areas & car wash bays can be accessed without crossing car parking spaces	Capable of complying.	YES	
		Direct, clearly visible & well lit access is provided into common circulation areas	Capable of complying.	YES	
		Clearly defined & visible lobby or waiting area is provided to lifts & stairs	Capable of complying.	YES	
		For larger car parks, safe pedestrian access is clearly defined & circulation areas have good lighting, colour, line marking and/or bollards	Capable of complying.	YES	
J-4 73		Objective: Visual & environmental impacts of underground car parking are minir	nised.		V
		Design Guidance		CONSIDERED	
		Excavation minimised through efficient car park layouts & ramp design	Capable of complying.	YES	
		Car parking layout is well organised, using a logical, efficient structural grid & double loaded aisles	Capable of complying.	YES	
		Protrusion of car parks do not exceed 1m above ground level. Solution include stepping car park levels or using split levels on sloping sites		N/A	
		Natural ventilation is provided to basement & sub-basement car parking		NO	

ADG Ref.	Item Description Notes	Compliance	
	Ventilation grills or screening devices for car parking openings are integrated into the facade & landscape design	N/A	
3J-5 575	Objective: Visual & environmental impacts of on-grade car parking are minimised.	N/A	
3J-6 175	Objective: Visual & environmental impacts of above ground enclosed car parking are minimised.	N/A	
	-		
PART4	DESIGNING THE BUILDING		
I A	SOLAR & DAYLIGHT ACCESS		
1A-1 079	Objective: To optimise number of apartments receiving sunlight to habitable rooms, primary windows & privopen space.	ate	√
	DESIGN CRITERIA		
1	Living rooms & private open spaces of at least 70% of apartments in a building receive a minimum of 2 hrs direct sunlight between 9am - 3pm at mid winter in Sydney Metropolitan Area and in Newcastle and Wollongong local government areas	YES	√
2	In all other areas, living rooms & private open spaces of at least 70% of apartments in a building receive a minimum of 3 hrs direct sunlight between 9 am - 3 pm at mid winter	N/A	
3	A maximum of 15% of apartments in a building receive no direct sunlight between 9 am - 3 pm at mid winter Indicative design demonstrates scheme is capable of complying.	YES	√
	Design Guidance	CONSIDERED	
	The design maximises north aspect. The number of single aspect south facing - apartments is minimised	YES	
	Single aspect, single storey apartments have a northerly or easterly aspect Indicative design includes apartments oriented south and west	NO	
	Living areas are located to the north and service areas to the south & west of apartments	N/A	
	To optimise direct sunlight to habitable rooms & balconies a number of the following design features are used:Dual aspect apartments, Shallow apartment layouts, Two storey &mezzanine level apartments, Bay windows capable of complying.	n YES	
	To maximise the benefit to residents of direct sunlight within living rooms & Capable of complying. private open spaces, a minimum of 1sqm of direct sunlight, measured at 1m above floor level, is achieved for at least 15 minutes	YES	
	Achieving the design criteria may not be possible where: greater residential amenity can be achieved along a busy road or rail line by orientating the living rooms away from the noise source; on south facing sloping sites; significant views are oriented away from the desired aspect for direct sunlight	N/A	
	Design drawings need to demonstrate how site constraints & orientation preclude meeting Design Criteria & how the development meets the objective.		
4A-2 581	Objective: Daylight access is maximised where sunlight is limited.		√
	Design Guidance	CONSIDERED	
	Courtyards, skylights & high level windows (with sills of 1,500mm or greater) - are used only as a secondary light source in habitable rooms	N/A	
	Where courtyards are used: Use is restricted to kitchens, bathrooms & service areas; Services are concealed with appropriate detailing & materials to visible walls; Courtyards are fully open to the sky; Access is provided to the light well from communal area for cleaning & maintenance; Acoustic privacy, fire safety & minimum privacy separation distances (see 3F Visual Privacy) are achieved	N/A	
	Opportunities for reflected light into apartments are optimised through: Reflective exterior surfaces on buildings opposite south facing windows; Positioning windows to face other buildings or surfaces (on neighbouring sites or within site) that will reflect light; Integrating light shelves into the design; Light coloured internal finishes	YES	
4A-3	Objective: Design incorporates shading & glare control, particularly for warmer months.		√

ADG Ref.	Item Description	Notes	Compliance	
	Design Guidance		CONSIDERED	
	A number of the following design features are used: Balconies or sun shading that extend far enough to shade summer sun, but allow winter sun to penetrate living areas; Shading devices such as eaves, awnings, balconies, pergolas, external louvres & planting; Horizontal shading to north facing windows; Vertical shading to east & particularly west facing windows; Operable shading to allow adjustment & choice; High performance glass that minimises external glare off windows, with consideration given to reduce tint glass or glass with a reflectance level below 20% (reflective films are avoided)	Capable of complying.	YES	
4B	NATURAL VENTILATION			
4B-1 p83	Objective: All habitable rooms are naturally ventilated.			✓
	Design Guidance		CONSIDERED	
	The building's orientation maximises capture & use of prevailing breezes for natural ventilation in habitable rooms	Capable of complying.	YES	
	Depths of habitable rooms support natural ventilation	Capable of complying.	YES	
	The area of unobstructed window openings should be equal to at least 5% of the floor area served	Capable of complying.	YES	
	Light wells are not the primary air source for habitable rooms	Capable of complying.	YES	
	Doors & openable windows maximise natural ventilation opportunities by using the following design solutions: Adjustable windows with large effective openable areas; Variety of window types that provide safety & flexibility such as awnings & louvres; Windows that occupants can reconfigure to funnel breezes into apartment, such as vertical louvres, casement windows & externally opening doors	Capable of complying.	YES	
4B-2 p83	Objective: The layout & design of single aspect apartments maximises natural ve	entilation.		√
	Design Guidance		CONSIDERED	
	Apartment depths limited to maximise ventilation & airflow	Capable of complying.	YES	
	Natural ventilation to single aspect apartments is achieved with the following design solutions: Primary windows are augmented with plenums and light wells (generally not suitable for cross ventilation); Stack effect ventilation, solar chimneys or similar used to naturally ventilate internal building areas or rooms such as bathrooms & laundries; Courtyards or building indentations have a width to depth ratio of 2:1 or 3:1 to ensure effective air circulation & avoid trapped smells	Capable of complying.	YES	
4B-3 p85	Objective: Number of apartments with natural cross vent is maximised to create environments for residents.	comfortable indoor		\checkmark
	Design Criteria			
1	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	Indicative reference design demonstrates scheme is capable of complying.	YES	√
2	Overall depth of a cross-over or cross-through apartment does not exceed 18m, measured glass line to glass line	Capable of complying.	YES	✓
	Design Guidance		CONSIDERED	
	The building includes dual aspect apartments, cross through apartments & corner apartments, and limited apartment depths	Capable of complying.	YES	
	In cross-through apartments, external window & door opening sizes/areas on one side of an apartment (inlet side) are approximately equal to the external window & door opening sizes/areas on the other side of the apartment (outlet side)	Capable of complying.	YES	
	Apartments are designed to minimise the number of corners, doors & rooms that might obstruct airflow	Capable of complying.	YES	
	Apartment depths, combined with appropriate ceiling heights, maximise cross ventilation & airflow	Capable of complying.	YES	

	. Item Description				Compliance	
	CEILING HEIGHTS		t trate			
-1 7	Objective: Ceiling heigh	5.		٧		
	Design Criteria					
1		d floor level to finished ceiling level, minimu	um ceiling	Capable of complying.	YES	v
	heights are:			Proposed floor to floor heights of 3150mm ensure		Ť
	Minimum Ceiling Heig	tht for apt and mixed-used buildings (m)		code compliance		
	Habitable rooms	2.7				
	Non-habitable rooms	2.4				
	For 2 storey apts	2.7 for main living area floor				
		2.4 for second floor, where its area does not exceed 50% of the apt area				
	Attic spaces	1.8 at edge of room with 30deg minimum ceiling slope				
	If located in mixed- used areas	3.3 for ground and first floor to promote future flexibility of use				
	These minimums do no	ot preclude higher ceilings if desired				
	Design Guidance				CONSIDERED	
	Ceiling height accomm	odates use of ceiling fans for cooling & hea	at distribution	Capable of complying.	YES	
-2 7	Objective: Ceiling heigh		١			
	Design Guidance	CONSIDERED				
	apartment is defined us raked or curved ceilings provided, for example, s ceilings; Ceiling heights bulkheads do not intrud coordination of bulkhea storage, can assist					
-3 7		nts contribute to the flexibility of building us	se over the life	of the building.		
	Design Guidance				CONSIDERED	
		r level apartments should be greater than t eria allowing flexibility & conversion to non-			NO	
	APARTMENT SIZE & LA	AYOUT				
- 1	Objective: The layout of amenity.	f rooms within apartment is functional, wel	l organised & բ	provides a high standard of		
	Design Criteria					
1	. Apartments have the fo	ollowing minimum internal areas:		Capable of complying.	YES	_
	Apartment Type	Minimum Internal Area (sqm)				,
	Studio	35				
	1 Bedroom	50				
	2 Bedroom	70				
	3 Bedroom	90				
		areas include only one bathroom. Additional internal area by 5sqm each.	al bathrooms			
		rther additional bedrooms increase the min	nimum			

DG F	Ref.	Item Description	Notes	Compliance	
		Design Guidance		CONSIDERED	
		Kitchens is not located as part of the main circulation space in larger apartments (such as hallway or entry space)	Capable of complying.	YES	
		A window is visible from any point in a habitable room	Capable of complying.	YES	
		Where minimum areas or room dimensions are not met, apartments demonstrate that they are well designed and demonstrate the usability & functionality of the space with realistically scaled furniture layouts & circulation areas.		N/A	
D-2 89		Objective: Environmental performance of the apartment is maximised.			√
		Design Criteria			
	1	Habitable room depths are limited to a maximum of 2.5 x the ceiling height	Capable of complying.	YES	√
	2	In open plan layouts (living, dining & kitchen are combined) maximum habitable room depth is 8m from a window	Capable of complying.	YES	√
		Design Guidance		CONSIDERED	
		Greater than minimum ceiling heights allow for proportional increases in room depth up to the permitted max depths		N/A	
		All living areas & bedrooms are located on the external face of building	Capable of complying.	YES	
		Where possible: bathrooms & laundries have external openable window; main living spaces are oriented toward the primary outlook & aspect and away from noise sources	Capable of complying.	YES	
D-3 91		Objective: Apartment layouts are designed to accommodate a variety of householder.	old activities & needs.		√
		Design Criteria			
	1	Master bedrooms have a minimum area of 10sqm & other bedrooms 9sqm (excluding wardrobe space)	Capable of complying.	YES	✓
	2	Bedrooms have a minimum dimension of 3m (excluding wardrobe space)	Capable of complying.	YES	V
	3	Living rooms or combined living/dining rooms have a minimum width of:	Capable of complying.	YES	~
		- 3.6m for studio & 1 bedroom apartments			Ť
		- 4m for 2 & 3 bedroom apartments			
	4	The width of cross-over or cross-through apartments are at least 4m internally to avoid deep narrow apartment layouts	Capable of complying.	YES	v
		Design Guidance		CONSIDERED	
		Access to bedrooms, bathrooms & laundries is separated from living areas minimising direct openings between living & service areas	Capable of complying.	YES	
		All bedrooms allow a minimum length of 1.5m for robes	Capable of complying.	YES	
		Main bedroom of apartment or studio apartment is provided with a wardrobe of minimum 1.8m L x 0.6m D x 2.1m H	Capable of complying.	YES	
		Apartment layouts allow flexibility over time, design solutions include: Dimensions that facilitate a variety of furniture arrangements & removal; Spaces for a range of activities & privacy levels between different spaces within the apartment; Dual master apartments; Dual key apartments (Note: dual key apartments which are separate but on the same title are regarded as two sole occupancy units for the purposes of the BCA & for calculating mix of apartments); Room sizes & proportions or open plans (rectangular spaces 2:3 are more easily furnished than square spaces 1:1); Efficient planning of circulation by stairs, corridors & through rooms to maximise the amount of usable floor space in rooms	Capable of complying.	YES	

ADG Ref.	Item Description				Notes	Compliance	
40E	PRIVATE OPEN SPACE	& BALCONIES					
4E-1 p93	Objective: Apartments amenity.		✓				
	Design Criteria						
1	All apartments are requ	uired to have primar	y balconies as follow	vs:	Capable of complying.	YES	\checkmark
	Apartment Type	Minimum Area (sqm)	Minimum Depth (m)				
	Studio	4	-				
	1 Bedroom	8	2				
	2 Bedroom	10	2				
	3+ Bedroom	12	2.4				
	The minimum balcony of is 1m						
2	For apartments at grou is provided instead of a minimum depth of 3m	balcony. It must ha			Capable of complying.	YES	√
	Design Guidance					CONSIDERED	
	Increased communal o balconies are reduced	pen space are provid	ded where the numb	er or size of		N/A	
	Storage areas on balco	nies is additional to	the minimum balco	ny size	Capable of complying.	YES	
	Balcony use may be lim speeds at 10 storeys & sources; exposure to sig reuse of existing building	YES					
	In these situations julie and bay windows are a provided in the apartmo is also demonstrated	ppropriate. Other an	nenity benefits for o	ccupants are			
4E-2 p93	Objective: Primary private open space & balconies are appropriately located to enhance liveability for residents						\checkmark
	Design Guidance			CONSIDERED			
	Primary open space & balconies are located adjacent to the living room, dining Capable of complying. room or kitchen to extend the living space					YES	
	POS & balconies predo		•		Capable of complying.	YES	
	POS & balconies are or open to the sky to opting				Capable of complying.	YES	
4E-3 p95	Objective: Private open & detail of the building		sign is integrated in	to & contributes t	o the overall architectural form		\checkmark
	Design Guidance					CONSIDERED	
	Solid, partially solid or to respond to the location surveillance of the street range of uses on the batter.	on. They are designe et while maintaining	ed to allow views & p g visual privacy & allo	oassive owing for a	Capable of complying.	YES	
	Full width full height gla	ass balustrades alon	ne are generally not o	desirable	Capable of complying.	YES	
	Projecting balconies are soffits are considered	e integrated into the	building design. The	e design of	Capable of complying.	YES	
	Operable screens, shut	ters, hoods & pergol	as control sunlight &	& wind	Capable of complying.	YES	
	Balustrades are set bac or where safety is an is:	_	or balcony edge whe	ere overlooking	Capable of complying.	YES	
	Downpipes & balcony d building design	drainage are integrat	ted with the overall f	acade &	Capable of complying.	YES	
	Air-conditioning units a into the building design	•	in basements, or ful	ly integrated	Capable of complying.	YES	
	Where clothes drying, s balconies, they are scre	_	_		Capable of complying.	YES	
	Ceilings of apartments	below terraces are i	nsulated to avoid he	at loss	Capable of complying.	YES	
	Water & gas outlets are	e provided for prima	ry balconies & privat	te open space	Capable of complying.	YES	

ADG R	Ref.	Item Description	Notes	Compliance	
4E-4 p95		Objective: Private open space & balcony design maximises safety			√
		Design Guidance		CONSIDERED	
		Changes in ground levels or landscaping are minimised	Capable of complying.	YES	
		Balcony design & detailing avoids opportunities for climbing & falling	Capable of complying.	YES	
4F		COMMON CIRCULATION & SPACES			
4F-1 p97		Objective: Common circulation spaces achieve good amenity & properly service	the number of apartments		\checkmark
		Design Criteria			
	1	The maximum number of apartments off a circulation core on a single level is eight	On high rise levels some buildings provide up to 12 apartments per circulation core.	NO	
	2	For buildings of 10 storeys & over, the maximum number of apartments sharing a single lift is 40	Capable of complying.	YES	√
		Design Guidance		CONSIDERED	
		Greater than minimum requirements for corridor widths and/or ceiling heights allow comfortable movement & access particularly in entry lobbies, outside lifts & at apartment entry doors	Capable of complying.	YES	
		Daylight & natural ventilation are provided to all common circulation spaces that are above ground	Capable of complying.	YES	
		Windows are provided in common circulation spaces & are adjacent to the stair or lift core or at the ends of corridors	Capable of complying.	YES	
		Longer corridors greater than 12m in length from the lift core are articulated. Design solutions include: Series of foyer areas with windows & spaces for seating; Wider areas at apartment entry doors & varied ceiling heights	Capable of complying.	YES	
		Common circulation spaces maximise opportunities for dual aspect apartments, including multiple core apartment buildings & cross over apartments	Capable of complying.	YES	
		Achieving Design Criteria for the number of apartments off a circulation core may not be possible. Where development is unable to achieve this, a high level of amenity for common lobbies, corridors & apartments is demonstrated, including: Sunlight & natural cross ventilation in apartments; Access to ample daylight & natural ventilation in common circulation spaces; Common areas for seating & gathering; Generous corridors with greater than minimum ceiling heights; Other innovative design solutions that provide high levels of amenity	Capable of complying. The indicative reference scheme shows that multiple sources of daylight, natural ventilation, and amenity through views out can be achieved in floorplates with up to 12 apartments per floor.	YES	
		Where Design Criteria 1 is not achieved, no more than 12 apartments should be provided off a circulation core on a single level	Capable of complying.	YES	
		Primary living room or bedroom windows do not open directly onto common circulation spaces, open or enclosed. Visual & acoustic privacy from common circulation spaces to any other rooms are carefully controlled	Capable of complying.	YES	
4F-2 p99		Objective: Common circulation spaces promote safety & provide for social interactions of the common circulation spaces promote safety & provide for social interactions.	action between residents		√
		Design Guidance		CONSIDERED	
		Direct & legible access are provided between vertical circulation points & apartment entries by minimising corridor or gallery length to give short, straight, clear sight lines	Capable of complying.	YES	
		Tight corners & spaces are avoided	Capable of complying.	YES	
		Circulation spaces are well lit at night	Capable of complying.	YES	
		Legible signage are provided for apartment numbers, common areas & general wayfinding	Capable of complying.	YES	
		Incidental spaces, eg space for seating in a corridor, at a stair landing, or near a window are provided	Capable of complying.	YES	
		In larger developments, community rooms for activities such as owners corporation meetings or resident use, are provided & are co-located with communal open space	Capable of complying.	YES	
	-	Where external galleries are provided, they are more open than closed above the balustrade along their length	Capable of complying.	YES	

ADG Ref.	Item Description			Notes	Compliance	
4G	STORAGE					
4G-1 p101	Objective: Adequate, w	ell designed storage is provided in each	apartment			√
	Design Criteria					
	In addition to storage is storage is provided:	n kitchens, bathrooms and bedrooms, th	e following	Capable of complying.	YES	√
	Apartment Type	Storage Size Volume (cubic m)				
	Studio	4				
	1 Bedroom	6				
	2 Bedroom	8				
	3+ Bedroom	10				
	At least 50% of the reg	uired storage is to be located within the	apartment			
	Design Guidance				CONSIDERED	
	_	rom either circulation or living areas		Capable of complying.	YES	
	• .	alconies (in addition to the minimum bald cony design, weather proofed & screened	• ,	Capable of complying.	YES	
	Left over space such as	s under stairs is used for storage		Capable of complying.	YES	
4G-2 o101	Objective: Additional st	torage is conveniently located, accessible	e & nominated fo	or individual apartments		√
	Design Guidance			CONSIDERED		
	Storage not located in apartments is secure and clearly allocated to specific apartments		Capable of complying.	YES		
	Storage is provided for larger & less frequently accessed items		Capable of complying.	YES		
	Storage space in internal or basement car parks is provided at the rear or side of car spaces or in cages, such that allocated car parking remains accessible		Capable of complying.	YES		
	If communal storage rooms are provided they are accessible from common circulation areas of the building		Capable of complying.	YES		
	Storage not located in apartment is integrated into the overall building design Capable of complying. & not visible from public domain		YES			
1H	ACOUSTIC PRIVACY					
4H-1 o103	Objective: Noise transfe	er is minimised through the siting of buil	dings & building	layout		√
	Design Guidance				CONSIDERED	
		aration is provided within the developme /adjacent uses (see 2F Building Separat		Indicative reference design demonstrates scheme is capable of complying.	YES	
		gs are orientated away from noise sourc	es	Capable of complying.	YES	
	•	dings including building entries & corrido other while quieter areas are located nex		Capable of complying.	YES	
		eas & non-habitable rooms are located to	buffer noise	Capable of complying.	YES	
	The number of party walls (shared with other apartments) are limited & are appropriately insulated			Capable of complying.	YES	
	Noise sources such as garage doors, driveways, service areas, plant rooms, building services, mechanical equipment, active communal open spaces & circulation areas should be located at least 3m away from bedrooms		Capable of complying.	YES		
4H-2 o103	Objective: Noise impac	ts are mitigated within apartments throu	ıgh layout & acoı	ustic treatments		√
	Design Guidance				CONSIDERED	
	a number of the follow requirements are group	out separates noisy spaces from quiet sp ing design solutions: Rooms with similar ped together; Doors separate different us s are co-located to act as sound buffers	noise	Capable of complying.	YES	

DG Ref.	Item Description	Notes	Compliance	
	Where physical separation cannot be achieved, noise conflicts are resolved using the following design solutions: Double or acoustic glazing; Acoustic seals; Use of materials with low noise penetration properties; Continuous walls to ground level courtyards where they do not conflict with streetscape or other amenity requirements	Capable of complying.	YES	
ı	NOISE & POLLUTION			
4J-1 p105	Objective: In noisy or hostile environments impacts of external noise $\&$ pollution siting $\&$ layout	are minimised through careful		√
	Design Guidance		CONSIDERED	
	To minimise impacts the following design solutions are used: Physical separation between buildings & the noise or pollution source; Residential uses are located perpendicular to the noise source & where possible buffered by other uses; Non-residential buildings are sited to be parallel with the noise source to provide a continuous building that shields residential uses & communal open spaces; Non-residential uses are located at lower levels vertically separating residential component from noise or pollution source. Setbacks to the underside of residential floor levels are increased, relative to traffic volumes & other noise sources; Buildings respond to both solar access & noise. Where solar access is away from noise source, non-habitable rooms will provide a buffer; Where solar access is in the same direction as the noise source, dual aspect apartments with shallow building depths are preferred; Landscape design reduces the perception of noise & acts as a filter for air pollution generated by traffic & industry	Capable of complying.	YES	
	Where developments are unable to achieve Design Criteria, alternatives are considered in the following areas: Solar & daylight access, Private open space & balconies, Natural cross ventilation		YES	
4J-2 p105	Objective: Appropriate noise shielding or attenuation techniques for building desimaterials are used to mitigate noise transmission	ign, construction & choice of		√
	Design Guidance		CONSIDERED	
	Design solutions to mitigate noise include: Limiting the number & size of openings facing noise sources, Providing seals to prevent noise transfer through gaps, Using double or acoustic glazing, acoustic louvres or enclosed balconies (wintergardens), Using materials with mass and/or sound insulation or absorption properties eg solid balcony balustrades, external screens & soffits	Capable of complying.	YES	
K	APARTMENT MIX			
K-1 107	Objective: A range of apartment types & sizes is provided to cater for different ho future	ousehold types now & into the		,
				V
	Design Guidance		CONSIDERED	V
	Design Guidance A variety of apartment types is provided	Capable of complying.	CONSIDERED YES	V
		Capable of complying. Capable of complying.		•
	A variety of apartment types is provided The apartment mix is appropriate, taking into consideration: Distance to public transport, employment & education centres, Current market demands & projected future demographic trends, Demand for social & affordable housing,		YES	
K-2 107	A variety of apartment types is provided The apartment mix is appropriate, taking into consideration: Distance to public transport, employment & education centres, Current market demands & projected future demographic trends, Demand for social & affordable housing, Different cultural & socioeconomic groups Flexible apartment configurations are provided to support diverse household types & stages of life including single person households, families, multi-	Capable of complying. Capable of complying.	YES YES	∨
	A variety of apartment types is provided The apartment mix is appropriate, taking into consideration: Distance to public transport, employment & education centres, Current market demands & projected future demographic trends, Demand for social & affordable housing, Different cultural & socioeconomic groups Flexible apartment configurations are provided to support diverse household types & stages of life including single person households, families, multigenerational families & group households	Capable of complying. Capable of complying.	YES YES	✓
	A variety of apartment types is provided The apartment mix is appropriate, taking into consideration: Distance to public transport, employment & education centres, Current market demands & projected future demographic trends, Demand for social & affordable housing, Different cultural & socioeconomic groups Flexible apartment configurations are provided to support diverse household types & stages of life including single person households, families, multigenerational families & group households Objective: The apartment mix is distributed to suitable locations within the building single person households	Capable of complying. Capable of complying.	YES YES YES	∨
	A variety of apartment types is provided The apartment mix is appropriate, taking into consideration: Distance to public transport, employment & education centres, Current market demands & projected future demographic trends, Demand for social & affordable housing, Different cultural & socioeconomic groups Flexible apartment configurations are provided to support diverse household types & stages of life including single person households, families, multigenerational families & group households Objective: The apartment mix is distributed to suitable locations within the buildi Design Guidance Different apartment types are located to achieve successful facade	Capable of complying. Capable of complying.	YES YES YES CONSIDERED	∨
107	A variety of apartment types is provided The apartment mix is appropriate, taking into consideration: Distance to public transport, employment & education centres, Current market demands & projected future demographic trends, Demand for social & affordable housing, Different cultural & socioeconomic groups Flexible apartment configurations are provided to support diverse household types & stages of life including single person households, families, multigenerational families & group households Objective: The apartment mix is distributed to suitable locations within the building person apartment types are located to achieve successful facade composition & to optimise solar access Larger apartment types are located on ground or roof level where there is potential for more open space, and on corners where more building frontage is	Capable of complying. Capable of complying. ng Capable of complying.	YES YES YES CONSIDERED YES	✓
	A variety of apartment types is provided The apartment mix is appropriate, taking into consideration: Distance to public transport, employment & education centres, Current market demands & projected future demographic trends, Demand for social & affordable housing, Different cultural & socioeconomic groups Flexible apartment configurations are provided to support diverse household types & stages of life including single person households, families, multigenerational families & group households Objective: The apartment mix is distributed to suitable locations within the buildi Design Guidance Different apartment types are located to achieve successful facade composition & to optimise solar access Larger apartment types are located on ground or roof level where there is potential for more open space, and on corners where more building frontage is available	Capable of complying. Capable of complying. Capable of complying. Capable of complying.	YES YES YES CONSIDERED YES	✓
L L-1	A variety of apartment types is provided The apartment mix is appropriate, taking into consideration: Distance to public transport, employment & education centres, Current market demands & projected future demographic trends, Demand for social & affordable housing, Different cultural & socioeconomic groups Flexible apartment configurations are provided to support diverse household types & stages of life including single person households, families, multigenerational families & group households Objective: The apartment mix is distributed to suitable locations within the buildit Design Guidance Different apartment types are located to achieve successful facade composition & to optimise solar access Larger apartment types are located on ground or roof level where there is potential for more open space, and on corners where more building frontage is available GROUND FLOOR APARTMENTS	Capable of complying. Capable of complying. Capable of complying. Capable of complying.	YES YES YES CONSIDERED YES	✓

ADG Ref.	Item Description	Notes	Compliance	-
	Activity is achieved through front gardens, terraces & the facade of the building. Design solutions include: Both street, foyer & other common internal circulation entrances to ground floor apartments, Private open space is next to the street, Doors & windows face the street	Capable of complying.	YES	
	Retail or home office spaces are located along street frontages	Ground floor frontages are generally residential dwellings activated with direct street entries.	NO	
	Ground floor apartment layouts support SOHO use & provide opportunities for future conversion into commercial or retail areas. In these cases higher floor to ceiling heights & easy conversion to ground floor amenities are provided.	Higher floor to ceilings are proposed in the mixed use zone where non-residential uses are proposed at ground level.	NO	
4L-2 p109	Objective: Design of ground floor apartments delivers amenity & safety for resid	ents		√
	Design Guidance		CONSIDERED	
	Privacy & safety are provided without obstructing casual surveillance. Design solutions include: Elevating private gardens & terraces above the street level by 1-1.5m (see pg 109 Figure 4L.4), Landscaping & private courtyards, Window sill heights minimise sight lines into apartments, Integrating balustrades, safety bars or screens with exterior design	Capable of complying.	YES	
	Solar access is maximised through: High ceilings & tall windows, Trees & shrubs allow solar access in winter & shade in summer	Capable of complying.	YES	
4M	FACADES			
4M-1 p111	Objective: Building facades provide visual interest along the street while respect area	ing the character of the local		√
	Design Guidance		CONSIDERED	
	Design solutions for front building facades include: Composition of varied building elements, Defined base, middle & top of buildings, Revealing & concealing certain elements	Capable of complying.	YES	
	Building services are integrated within the overall facade	Capable of complying.	YES	
	Building facades are well resolved with appropriate scale & proportion to streetscape & with consideration of human scale. Solutions include: Well composed horizontal & vertical elements, Variation in floor heights to enhance the human scale, Elements that are proportional & arranged in patterns, Public artwork or treatments to exterior blank walls, Grouping of floors or elements such as balconies & windows on taller buildings	Capable of complying.	YES	
	Building facades relate to key datum lines of adjacent buildings through upper level setbacks, parapets, cornices, awnings or colonnade heights	Capable of complying.	YES	
	Shadow is created on the facade throughout the day with building articulation, balconies & deeper window reveals	Capable of complying.	YES	
4M-2 p111	Objective: Building functions are expressed by the facade			√
	Design Guidance		CONSIDERED	
	Building entries are clearly defined	Capable of complying.	YES	
	Important corners are given visual prominence through change in articulation, materials or colour, roof expression or changes in height	Capable of complying.	YES	
	Apartment layout is expressed externally through facade features such as party walls & floor slabs	Capable of complying.	YES	
4N	ROOF DESIGN			
4N-1 p113	Objective: Roof treatments are integrated into the building design & positively re	spond to the street		√
	Design Guidance		CONSIDERED	
	Roof design relates to the street. Design solutions include: Special roof features & strong corners, Use of skillion or very low pitch hipped roofs, Breaking down the massing of the roof by using smaller elements to avoid bulk, Using materials or pitched form complementary to adjacent buildings	Capable of complying.	YES	

OG Ref.	Item Description	Notes	Compliance	
	Roof treatments are integrated with the building design. Design solutions include: Roof design is in proportion to the overall building size, scale & form, Roof materials complement the building, Service elements are integrated	Capable of complying.	YES	
N-2 L13	Objective: Opportunities to use roof space for residential accommodation & ope	en space are maximised		٧
	Design Guidance		CONSIDERED	
	Habitable roof space are provided with good levels of amenity. Design solutions include: Penthouse apartments, Dormer or clerestory windows, Openable skylights	Capable of complying.	YES	
	Open space is provided on roof tops subject to acceptable visual & acoustic privacy, comfort levels, safety & security considerations	Landscaped roof terraces are provided on some buildings where required to achieve communal open space requirements.	YES	
N-3 L13	Objective: Roof design incorporates sustainability features			١
	Design Guidance		CONSIDERED	
	Roof design maximises solar access to apartments during winter & provides shade during summer. Design solutions include: Roof lifts to the north, Eaves & overhangs shade walls & windows from summer sun	Capable of complying.	YES	
	Skylights & ventilation systems are integrated into the roof design	Capable of complying.	YES	
0	LANDSCAPE DESIGN			
0-1 115	Objective: Landscape design is viable & sustainable			١
	Design Guidance		CONSIDERED	
	Landscape design is environmentally sustainable & can enhance environmental performance by incorporating: Diverse & appropriate planting, Bio-filtration gardens, Appropriately planted shading trees, Areas for residents to plant vegetables & herbs, Composting, Green roofs or walls	Capable of complying.	YES	
	Ongoing maintenance plans are prepared	Capable of complying.	YES	
	Microclimate is enhanced by: Appropriately scaled trees near the eastern & western elevations for shade, Balance of evergreen & deciduous trees to provide shading in summer & sunlight access in winter, Shade structures such as pergolas for balconies & courtyards	Capable of complying.	YES	
	Tree & shrub selection considers size at maturity & the potential for roots to compete.	Capable of complying.	YES	
0-2 115	Objective: Landscape design contributes to streetscape & amenity			٧
	Design Guidance		CONSIDERED	
	Landscape design responds to the existing site conditions including: Changes of levels, Views, Significant landscape features including trees & rock outcrops	Capable of complying. Refer to indicative reference landscape design.	YES	
	Significant landscape features are protected by: Tree protection zones, Appropriate signage & fencing during construction	Refer to accompanying Arborist report.	YES	
	Plants selected are endemic to region & reflect local ecology	Capable of complying. Refer to indicative reference landscape design.	YES	
Р	PLANTING ON STRUCTURES			
P-1 117	Objective: Appropriate soil profiles are provided			١
	Design Guidance		CONSIDERED	
	Structures are reinforced for additional saturated soil weight	Capable of complying.	YES	
	Soil volume is appropriate for plant growth, including: Modifying depths & widths according to planting mix & irrigation frequency, Free draining & long soil life span, Tree anchorage	Capable of complying.	YES	

a itei.	. Item Description			Notes	Compliance	
	Minimum soil standard	s for plant sizes should be provided in a	ccordance with:	Capable of complying.	YES	
	Site Area (sqm)	Recommended Tree Planting				
	Up to 850	1 medium tree per 50sqm of deep soil zone				
	850 - 1,500	1 large tree or 2 medium trees per 90sqm of deep soil zone				
	Greater than 1,500	1 large tree or 2 medium trees per 80sqm of deep soil zone				
4P-2 0117	Objective: Plant growth	is optimised with appropriate selection	& maintenance			√
	Design Guidance				CONSIDERED	
		e conditions, considerations include:Dro anges in solar access, Modified substrat , Plant longevity	-	Capable of complying.	YES	
	A landscape maintenar	nce plan is prepared		Capable of complying.	YES	
		stems respond to: Changing site condities ther rainwater, stormwater or recycled g		Capable of complying.	YES	
-3 17	Objective: Planting on s	structures contributes to the quality & ar	menity of commu	nal & public open spaces		√
	Design Guidance				CONSIDERED	
	solutions include: Gree Wall design that incorp	orates opportunities for planting on struc n walls with specialised lighting for indo orates planting, Green roofs, particularly olic domain, Planter boxes	or green walls,	Capable of complying.	YES	
	_	ed to accommodate green walls should e & consider the ability of the facade to	_			
	UNIVERSAL DESIGN					
-1 19	Objective: Universal des	sign features are included in apartment	design to promot	te flexible housing for all		√
	Design Guidance				CONSIDERED	
	•	a benchmark of 15% of the total apartn le Housing Guideline's silver level univer		5% of market housing will be Adaptable in accordance with AS4299. 10% of social housing will be LH gold level and the remaining 90% will be LH silver level.	YES	
-2 19	Objective: A variety of a	partments with adaptable designs are p	provided			✓
	Design Guidance				CONSIDERED	
	Adaptable housing sho	uld be provided in accordance with the r	elevant council	Capable of complying.	YES	
	communal & public are change & residential ar for accessibility, Parkin	aptable apartments include: Convenien eas, High level of solar access, Minimal s menity loss when adapted, Larger car pa g titled separately from apartments or s	structural arking spaces	Capable of complying.	YES	
	parking arrangements					
		ayouts are flexible & accommodate a ra	nge of lifestyle ne	eeds		√
-3 19		ayouts are flexible & accommodate a ra	nge of lifestyle ne	eeds	CONSIDERED	√

	. Item Description	Notes	Compliance	
4R	ADAPTIVE REUSE			
4R-1 p121	Objective: New additions to existing buildings are contemporary, complementary sense of place	y & enhance area's identity &		N/A
	-			
4R-2 p121	Objective: Adapted buildings provide residential amenity but does not precluding	g future adaptive reuse		N/A
	-			
4S 4S-1	MIXED USE			
p123	Objective: Mixed use developments are provided in appropriate locations & provience encourage pedestrian movement.	ide active street frontages that		√
	Design Guidance		CONSIDERED	
	Mixed use development are concentrated around public transport & centres	Non residential uses are located in the upper core alongside the light rail station	YES	
	Mixed use developments positively contribute to the public domain. Design solutions include: Development addresses the street, Active frontages provided, Diverse activities & uses, Avoiding blank walls at the ground level, Live/work apartments on the ground floor level, rather than commercial	Capable of complying.	YES	
4S-2 p123	Objective: Residential levels of the building are integrated within the development maximised.	nt. Safety & amenity is		√
	Design Guidance		CONSIDERED	
	Residential circulation areas are clearly defined. Solutions include:Residential entries separated from commercial entries & directly accessible from the street, Commercial service areas separated from residential components, Residential car parking & communal facilities separated or secured, Security at entries & safe pedestrian routes are provided, Concealment opportunities are avoided	Capable of complying.	YES	
	Landscaped communal open space are provided at podium or roof		YES	
4T	AWNING & SIGNAGE			
4T-1 p125	Objective: Awnings are well located and complement & integrate with the building	ng design.		\checkmark
	Design Guidance		CONSIDERED	
	Awnings are located along streets with high pedestrian activity & active frontages	Capable of complying.	YES	
	A number of the following design solutions are used: Continuous awnings are maintained & provided in areas with an existing pattern, Height, depth, material & form complements existing street character, Protection from sun & rain is provided, Awnings are wrapped around secondary frontages of corner sites, Awnings are retractable in areas without an established pattern	Capable of complying.	YES	
	Awnings are located over building entries for address & public domain amenity	Capable of complying.	YES	
	Awnings relate to residential windows, balconies, street tree planting, power poles & street infrastructure	Capable of complying.	YES	
		Capable of complying.		
	poles & street infrastructure		YES	
	poles & street infrastructure Gutters & down pipes are integrated and concealed	Capable of complying.	YES	√
4T-2 p125	poles & street infrastructure Gutters & down pipes are integrated and concealed Lighting under awnings is provided for pedestrian safety	Capable of complying.	YES	✓
	poles & street infrastructure Gutters & down pipes are integrated and concealed Lighting under awnings is provided for pedestrian safety Objective: Signage responds to context & desired streetscape character.	Capable of complying.	YES YES YES	✓
	poles & street infrastructure Gutters & down pipes are integrated and concealed Lighting under awnings is provided for pedestrian safety Objective: Signage responds to context & desired streetscape character. Design Guidance Signage is integrated into building design & respond to scale, proportion &	Capable of complying. Capable of complying.	YES YES YES CONSIDERED	✓
	Design Guidance Signage is integrated into building design & respond to scale, proportion & detailing of the development	Capable of complying. Capable of complying. Capable of complying.	YES YES YES CONSIDERED YES	✓
p125	poles & street infrastructure Gutters & down pipes are integrated and concealed Lighting under awnings is provided for pedestrian safety Objective: Signage responds to context & desired streetscape character. Design Guidance Signage is integrated into building design & respond to scale, proportion & detailing of the development Legible & discrete way finding is provided for larger developments Signage is limited to being on & below awnings, and single facade sign on primary street frontages ENERGY EFFICIENCY	Capable of complying. Capable of complying. Capable of complying. Capable of complying.	YES YES YES CONSIDERED YES YES	√
p125	Design Guidance Signage is integrated into building design & respond to scale, proportion & detailing of the development Legible & discrete way finding is provided for larger developments Signage is limited to being on & below awnings, and single facade sign on primary street frontages	Capable of complying. Capable of complying. Capable of complying. Capable of complying.	YES YES YES CONSIDERED YES YES	✓

ADG Ref.	Item Description	Notes	Compliance	
	Well located, screened outdoor areas are provided for clothes drying	Capable of complying.	YES	
4U-2 5127	Objective: Passive solar design is incorporated to optimise heat storage in winter summer.	r & reduce heat transfer in		√
	Design Guidance		CONSIDERED	
	A number of the following design solutions are used: Use of smart glass or other on north & west elevations, Thermal mass maximised in floors & walls of north facing rooms, Polished concrete floors, tiles or timber rather than carpet, Insulated roofs, walls & floors. Seals on window & door openings, Overhangs & shading devices such as awnings, blinds & screens	Capable of complying.	YES	
	Provision of consolidated heating & cooling infrastructure is located in a centralised location (eg basement)	Capable of complying.	YES	
4U-3 o127	Objective: Adequate natural ventilation to minimise the need for mechanical ven	tilation.		√
	Design Guidance		CONSIDERED	
	A number of the following design solutions are used:,Rooms with similar usage are grouped together, Natural cross ventilation for apartments is optimised, Natural ventilation is provided to all habitable rooms & as many non-habitable rooms, common areas & circulation spaces as possible	Capable of complying.	YES	
4V	WATER MANAGEMENT & CONSERVATION			
4V-1 p129	Objective: Potable water use is minimised.			√
	Design Guidance		CONSIDERED	
	Water efficient fittings, appliances & wastewater reuse are incorporated	Capable of complying.	YES	
	Apartments are individually metered	Capable of complying.	YES	
	Rainwater is collected, stored & reused on site	Capable of complying.	YES	
	Drought tolerant, low water use plants are used within landscaped areas	Capable of complying.	YES	
4V-2 p129	Objective: Urban stormwater is treated on site before being discharged to receiving		√	
	Design Guidance		CONSIDERED	
	Water sensitive urban design systems are designed by a suitably qualified professional	Capable of complying.	YES	
	A number of the following design solutions are used:, Runoff is collected from roofs & balconies in water tanks and plumbed into toilets, laundry & irrigation, Porous & open paving materials is maximised, On site stormwater & infiltration, including bio-retention systems such as rain gardens or street tree pits	Capable of complying.	YES	
4V-3 o129	Objective: Flood management systems are integrated into site.			√
	Design Guidance		CONSIDERED	
	Detention tanks are located under paved areas, driveways or in basements	Capable of complying.	YES	_
	On large sites, parks or open spaces are designed to provide temporary on site detention basins	Capable of complying.	YES	
1W	WASTE MANAGEMENT			
4W-1 o131	Objective: Waste storage facilities are designed to minimise impacts on streetscoof residents.	ape, building entry & amenity		√
	Design Guidance		CONSIDERED	
	Adequately sized storage areas for rubbish bins are located discreetly away from the front of the development or in basement car park	Capable of complying.	YES	
	Waste & recycling storage areas are well ventilated	Capable of complying.	YES	
	Circulation design allows bins to be easily manoeuvred between storage & collection points	Capable of complying.	YES	
	Temporary storage are provided for large bulk items such as mattresses	Capable of complying.	YES	
	Waste management plan is prepared	Capable of complying.	YES	
4W-2 p131	Objective: Domestic waste is minimised by providing safe & convenient source so	eparation & recycling.		√
	Design Guidance All dwellings have a waste & recycling cupboard or temporary storage area of	Capable of complying.	CONSIDERED	

NDG Ref.	Item Description	Notes	Compliance	
	Communal waste & recycling rooms are in convenient & accessible locations related to each vertical core	Capable of complying.	YES	
	For mixed use developments, residential waste & recycling storage areas & access is separate & secure from other uses	Capable of complying.	YES	
	Alternative waste disposal methods such as composting is provided	Capable of complying.	YES	
4X	BUILDING MAINTENANCE			
4X-1 p133	Objective: Building design detail provides protection from weathering.			√
	Design Guidance		CONSIDERED	
	A number of the following design solutions are used:,Roof overhangs to protect walls, Hoods over windows & doors to protect openings, Detailing horizontal edges with drip lines to avoid staining surfaces, Methods to eliminate or reduce planter box leaching, Appropriate design & material selection for hostile locations	Capable of complying.	YES	
4X-2 p133	Objective: Systems & access enable ease of maintenance.			√
	Design Guidance		CONSIDERED	
	Window design enables cleaning from the inside of the building	Capable of complying.	YES	
	Building maintenance systems are incorporated & integrated into the design of the building form, roof & facade	Capable of complying.	YES	
	Design does not require external scaffolding for maintenance access	Capable of complying.	YES	
	Manually operated systems such as blinds, sunshades & curtains are used in preference to mechanical systems	Capable of complying.	YES	
	Centralised maintenance, services & storage are provided for communal open space areas within the building	Capable of complying.	YES	
4X-3 p133	Objective: Material selection reduces ongoing maintenance costs.			√
	Design Guidance		CONSIDERED	
	A number of the following design solutions are used: Sensors to control artificial lighting in common circulation & spaces, Natural materials that weather well & improve with time, such as face brickwork, Easily cleaned surfaces that are graffiti resistant, Robust & durable materials & finishes in locations which receive heavy wear & tear such as common circulation areas & lift interiors	Capable of complying.	YES	