Table 1 – APARTMENT DESIGN GUIDE – DESIGN OBJECTIVE AND DESIGN CRITERIA

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OBJECTIVE	D	ESIGN CRITERIA	PROPOSED	COMMENT
Part 3 - Siting	the Development			
3A Site Analysis		decisions have been based on opportunities and nd the relationship to the surrounding context	Complies	Built-form considers neighbouring buildings with adequate setbacks and heights to adjacent sites.
3BObjective 3B-1OrientationBuilding types and layouts respond to the street and site while optimizing solar access within the development			Complies	The orientation of the built-form maximizes solar access and views wherever possible.
	Objective 3B-2 Overshadowing of neighbouring pro	Complies	Strategic building setbacks and built- form minimises overshadowing impact on neighbouring properties.	
3C Public Domain Interface	Objective 3C-1 Transition between private and public domain is achieved without compromising safety and security			Apartments are secure from the street and are accessed through a central lobby.
	Objective 3C-2 Amenity of the public domain is ret	ained and enhanced	Complies	Mailboxes and services are located on the ground level.
3D Communal and Public Open Space	Objective 3D-1 And adequate area of communal open space is provided to	 Communal open space has a minimum area equal to 25% of the site Developments achieve a minimum of 50% 	N/A	All apartments will have large private open spaces to serve as a place for
	enhance residential amenity and to provide opportunities for landscaping	direct sunlight to the principal usable part of the communal open space for a minimum of 2 hours between 9am and 3pm on 21 st June (mid- winter)	N/A	interaction.
	Objective 3D-2 Communal open space is designed conditions and be attractive and inv	to allow for a range of activities, respond to site viting	N/A	
	Objective 3D-3 Communal open space is designed to maximize safety			

	Objective 3D-4 Public open space, where provided, is responsive to the existing pattern and uses of the neighbourhood					N/A	
3E Deep Soil Zone	Objective 3E-1 Deep soil zone provides areas on	Deep soil zones ar requirements:	re to meet the	following	minimum		
	the site that allow for and support healthy plant and tree growth. They improve residential amenity and promote management of water and air quality	Site Area Less than 650m ² 650m ² - 1500m ² Greater than 1500m ² Greater than 1500m ² with significant tree cover	Min. Dimensions - 3m 6m 6m	Deep Sc (% of th area) 7% 7% 7% 7%	oil Zone le site	Complies	Site Area: 2,548.7 m ² Required Deep Soil Area 7%: 178.4 m ² Proposed Deep Soil Area: 390 m ² (16%)
3F Visual Privacy	Objective 3F-1Adequate building separationdistances are shared equitablybetween neighbouring sites, toachieve reasonable levels ofexternal and internal visualprivacy.Note: Separation distancesbetween buildings on the samesite should combine requiredbuilding separations depending onthe type of room.	Separation betwe provided to ensur Minimum require buildings to the si follows: Building Height Up to 12m (4 storeys) Up to 25m (5-8 storeys) Over to 25m (9+ storeys)	e visual privac d separation d de and rear bo Habitabl and bal 6r 9r	y is achiev listances f bundaries e rooms l conies m	ved. rom	Complies	Building separation adopted. Building articulation & form were used to achieve reasonable privacy between adjoining properties. Vertical batten screens provide additional privacy to balconies and habitable rooms.
	Objective 3F-2 Site and building design elements in and air and balance outlook and vie	crease privacy with		-	-	Complies	Façade articulations, curved blade walls and external screens are multi- purposed in providing separation whilst enhancing living environments.

3G	Objective 3G-1			Pedestrian entry from street frontage
Pedestrian Access and Entries	Building entries and pedestrian access connects to and addresses the public domain		Complies	for residential units. Some of the apartments are also orientated towards the street.
	Objective 3G-2 Access, entries and pathways are	e accessible and easy to identify	Complies	The street entrance is located off Golf Avenue which can be easily identified and accessed.
	Objective 3G-3 Large sites provide pedestrian lir	ks for access to streets and connection to destinations	N/A	
3H Vehicle Access	Objective 3H-1 Vehicle access points are designed and located to achieve safety, minimize conflicts between pedestrians and vehicles and create high quality streetscapes.			The vehicle access point has been designed to maximise pedestrian safety.
3J Bicycle and Car Parking	Objective 3J-1 Car parking is provided based on proximity to public transport in metropolitan Sydney and centres in regional areas	 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 of equivalent in a nominated regional centre The minimum car parking requirement for residents and visitors is set out in the Guide to Traffic Generating Developments, or the car parking requirement prescribed by the relevant council, whichever is less. The car parking needs for a development must be provided off street. 	On Merit	Traffic report will be submitted with Development Application. 33 spaces required and 33 provided = 5 visitor and 28 residential spaces, one of the visitor spaces can be used as a car wash bay, accessible space for visitors is also provided Bicycle storage is also provided
	Objective 3J-2 Parking and facilities are provided for other modes of transport Objective 3J-3 Car park design and access is safe and secure		Complies Complies	 5 bicycle racks are provided for all residents and visitors. Secure car park access via driveway ramp & lift access to all residential levels.
	Objective 3J-4 Visual and environmental impact	s of underground car parking are minimised	Complies	
	Objective 3J-5	s of on-grade car parking are minimised	N/A	
	Objective 3J-6	s of above ground enclosed parking are minimised	N/A	

4A Solar and Daylight Access	Objective 4A-1 To optimise the number of apartments receiving sunlight to habitable rooms, primary windows and private open space.	 Living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 2 hours of direct sunlight between 9am and 3pm at mid-winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas 	Complies	12/14 apartments = 86% Receives min 2hr direct sunlight to living rooms and private open space.
	2. In all other areas, living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 3 hours direct sunlight between 9am and 3pm at mid-winter		N/A	
		 A maximum of 15% of apartments in a building receive no direct sunlight between 9am and 3pm mid winter. 4. 	Complies	0/12 apartments = 0%
	Objective 4A-2 Daylight access is maximized whe	re sunlight is limited	Complies	Full height balcony windows/ doors to maximize daylight access.
	Objective 4A-3 Design incorporates shading and glare control, particularly for warmer months			Awnings/overhangs assist with diffusing glare and providing shade.
4B Natural Ventilation	Objective 4B-1 All habitable rooms are naturally ventilated			
	Objective 4B-2 The layout and design of single aspect apartments maximizes natural ventilation			
	Objective 4B-3 The number of apartments with natural cross ventilation is maximized to create a comfortable indoor environment for residents	 At least 60% of apartments are naturally cross ventilated in the first nine storeys of the building. Apartments at ten storeys or greater are deemed to be cross ventilated only if any enclosure of the balconies at these levels allows adequate natural ventilation and cannot be fully enclosed Overall depth of a cross-over or cross-through apartment does not exceed 18m, measured glass line to glass line 	Complies Complies	14/14 Apartments achieve cross ventilation. Deemed to comply at 100%

4C Ceiling Heights	Objective 4C-1 Ceiling height achieves sufficient natural ventilation and daylight access	level, minimum ceil	shed floor level to finished ceiling ling heights are: eight for apartment and mixed use 2.7m 2.4m 2.7m for main living area floor 2.4m for second floor, where its area does not exceed 50% of the apartment area 1.8m at edge of room with a 30 degree minimum ceiling slope 3.3m for ground and first floor to promote future flexibility	Complies	Ceiling heights proposed are consistent with ADG recommendations: - 2.7 habitable - 2.4 non-habitable 3100 mm floor to floor provided assuming 200mm thick slab, 25mm for flooring and 175 for ceiling – 2700. Services to be maintained in non- habitable spaces to maximise ceiling heights in habitable areas.
	Objective 4C-2 Description Ceiling height increases the sense of space in apartments and provides for well-proportioned rooms				Habitable rooms are located directly adjacent openings and private open spaces where ceiling is maximized. Bulkheads are minimised where possible and services occupy ceiling spaces of non-habitable rooms to prevent unnecessary reduced ceiling heights.
	Objective 4C-3 Ceiling heights contribute to the	flexibility of building	N/A		
4D Apartment Size and Layout	Objective 4D-1 The layout of rooms within an apartment is functional, well		ts are required to have the following internal areas: Minimum Internal Area		
	organised and provides a high	Туре			
	standard of amenity	Studio	35m ²		All apartments comply with minimum
		1 bedroom	50m ²	Complies	internal areas
		2 bedroom	70m ²	- Compiled	
		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 12m²each 2. 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 	Complies	All habitable room have a minimum glass area of 10% of the floor area of the room.
Objective 4D-2 Environmental performance of the apartment is maximised	 Habitable room depths are limited to a maximum of 2.5 x the ceiling height In open plan layouts (where the living, dining and kitchen are combined) the maximum habitable room depth is 8m from a window 	Complies Complies	All habitable room depths are less than 2.5x the ceiling height Window to kitchen dimension in open plan living ranges between 4m to 6m
Objective 4D-3 Apartment layouts are designed to accommodate a variety of household activities and needs.	 Master bedrooms have a minimum area of 10m2 and other bedrooms 9m2 (excluding wardrobe space) Bedrooms have a minimum dimension of 3m (excluding wardrobe space) Living rooms or combined living/dining rooms have a minimum width of: 3.6m for studio and 1 bedroom apartments 4m for 2 & 3 bedroom apartments The width of cross-over or cross-through apartments are at least 4m internally to avoid deep narrow apartment layouts. 	Complies Complies Complies	Master bedrooms range from 3.7 x 3.3m (12.2 sqm) to 5.5 x 3.6 (19.8 sqm) Other bedrooms range from 3.0 x 3.0m (9 sqm) to 3.8 x 3.4m (12.9 sqm) Living spaces to all apartments have minimum width of 4.0m

4E Private Open Space	Objective 4E-1 Apartments provide	 All apartments are required to have primary balconies as follows: 				All balconies in this development comply with the minimum depth of
and Balconies	appropriately sized private open space and balconies to	Dwelling Type	Minimum Area	Minimum Depth	Complies	2.4m and relevant minimum areas.
	enhance residential amenity	Studio Apartments	4m ²	-		
		1 Bedroom Apartments	8m ²	2m		
		2 Bedroom Apartments	10m ²	2m		
		3+ Bedroom Apartments	12m ²	2.4m		
		contributing to the 2. For apart or similar provided	cony depth to be counte e balcony area is 1m ments at ground level or r structure, a private op instead of a balcony. It n area of 15m2 and a m	or on a podium en space is must have a	Complies	
	Objective 4E-2 Primary private open space and b for residents	and balconies are appropriately located to enhance liveability				Private open space is directly to a living space, orientated to allow for maximized solar access and ventilation
	Objective 4E-3 Private open space and balcony of architectural form and detail of t	• •	into and contributes to	the overall	Complies	Balconies and private open spaces are integrated with the building form and façade.
	Objective 4E-4 Private open space and balcony o	lesign maximises sa	fety		Complies	Balconies have been designed with details that avoid opportunities for climbing and falls, including solid and glass balustrades to provide additional protection.
4F Common Circulation	Objective 4F-1 Common circulation spaces		mum number of apartn on core on a single level		Complies	3 different lift cores serving all apartments within the development
and Spaces	achieve good amenity and properly service the number of apartments	maximun	 For buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40 		N/A	

	Objective 4F-2 Common circulation spaces promote safety and provide for social interaction between residents				Centralized lift lobbies encourages social interaction and provides amenity for doing so.
4G Storage	Objective 4G-1 Adequate, well designed	In addition to storage in bedrooms, the following	kitchens, bathrooms and gstorage is provided:		All apartments have the storage requirement for each apartment.
	storage is provided in each	Dwelling Type	Storage Size Volume	-	Refer to storage diagram and unit
	apartment	Studio apartments	4m ²		schedule on architectural drawings.
		1 bedroom	6m ²		
		apartments		Complies	
		2 bedroom	8m ²	complies	
		apartments			
		3+ bedroom	10m ²		
		apartments			
		At least 50% of the requ	ired storage is to be located		
		within the apartment			
	Objective 4G-2 Additional storage is convenie apartments	ntly located, accessible and	Complies	Additional secured storage is provided and easily accessible on basement levels with individual cages for each apartment.	
4H Acoustic Privacy	Objective 4H-1 Noise transfer is minimised through the siting of buildings and building layout			Complies	Where possible planting, circulation and non-habitable rooms are located to buffer external noise sources.
	Objective 4H-2 Noise impacts are mitigated within apartments through layout and acoustic treatments				Appropriate acoustic measure will be undertaken at CC stage. Provisions have been made for wall thicknesses and floor to floor heights for construction methodology.
4J Noise and Pollution	Objective 4J-1 In noisy or hostile environments the impacts of external noise and pollution are minimised through the careful siting and layout of buildings Objective 4J-2 Appropriate noise shielding or attenuation techniques for the building design, construction and choice of materials are used to mitigate noise transmission			Complies	Habitable rooms are generally setback from external noise of Golf Avenue through balconies and landscaping.
				Complies	Where possible, building articulation and landscaping are provided to assist in diffusing noise transmission.

4K Apartment Mix	Objective 4K-1 A range of apartment types and sizes is provided to cater for different household types now and into the future	Complies	Unit type cater to the household types in the area with 3-bed, some of the 3- bedroom apartments have the flexibility to turn the some of the bedrooms into family rooms/ study.
	Objective 4K-2 The apartment mix is distributed to suitable locations within the building	On merit	
4L Ground Floor Apartments	Objective 4L-1 Street frontage activity is maximised where ground floor apartments are located	Complies	Street frontage is activated through private courtyards.
	Objective 4L-2 Design of ground floor apartments delivers amenity and safety for residents	Complies	Ground floor apartments are orientated so as to provide amenity for residents and passive surveillance.
4M Facades	Objective 4M-1 Building facades provide visual interest along the street while respecting the character of the local area	Complies	The facades have been carefully designed with a mix of material palette. Rendered walls, off-form concrete blade walls, sandstone cladded walls and metal cladding to create a visually interacting façade whilst responding to the character of the local area.
	Objective 4M-2 Building functions are expressed by the facade	Complies	Residential entry clearly identified via different treatment in the façade (i.e. entry canopy and visual breaks).
4N Roof Design	Objective 4N-1 Roof treatments are integrated into the building design and positively respond to the street	Complies	Top level is further setback from levels below to minimize the impact of built form to the street and neighbours.
	Objective 4N-2 Opportunities to use roof space for residential accommodation and open space are maximised	Complies	Top floor unit will be provided with a large terrace given the increased setback from the units below.
	Objective 4N-3 Roof design incorporates sustainability features	Complies	Roof extends awning over windows and doors to habitable spaces to control sunlight during summer.
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40	Objective 40-1		Landscaping and native plant selection
Landscape Design	Landscape design is viable and sustainable	Complies	provides shading and privacy, and contributes to the local climate. Selection of native and low water usage trees reduce water usage and maintenance.
	Objective 40-2 Landscape design contributes to the streetscape and amenity	Complies	Where possible, landscaping has been included to provide amenity and streetscape.
4P Planting on	Objective 4P-1 Appropriate soil profiles are provided	Complies	Refer to Landscape Consultant detail
Structures	Objective 4P-2 Plant growth is optimised with appropriate selection and maintenance	Complies	Refer to Landscape Consultant detail
	Objective 4P-3 Planting on structures contributes to the quality and amenity of communal and public open spaces	Complies	Refer to Landscape Consultant detail
4Q Universal Design	Objective 4Q-1 Universal design features are included in apartment design to promote flexible housing for all community members	Complies	Apartments are open plan in design providing a free-flowing living quality with generous open space for occupant flexibility.
	Objective 4Q-2 A variety of apartments with adaptable designs are provided	Complies	There are three adaptable units proposed in accordance to council's DCP requirement for 20% of total units.
	Objective 4Q-3 Apartment layouts are flexible and accommodate a range of lifestyle needs	Complies	All apartments have open plan living allowing flexibility on the use.
4R Adaptive Reuse	Objective 4R-1 New additions to existing buildings are contemporary and complementary and enhance an area's identity and sense of place	N/A	Brand new development
	Objective 4R-2 Adapted buildings provide residential amenity while not precluding future adaptive reuse	N/A	Brand new development
4S Mixed Use	Objective 4S-1 Mixed use developments are provided in appropriate locations and provide active street frontages that encourage pedestrian movement	N/A	
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	Objective 4S-2 Residential levels of the building are integrated within the development, and safety and amenity is maximised for residents	N/A	
4T Awnings and Signage	Objective 4T-1 Awnings are well located and complement and integrate with the building design	Complies	Entry awning is provided to give cover to the residents.
	Objective 4T-2 Signage responds to the context and desired streetscape character	Complies	Signage to future detail to be integrated to entries, façade and lobby design.
4U Energy Efficiency	Objective 4U-1 Development incorporates passive environmental design	Complies	Adequate light and ventilation to all habitable rooms
	Objective 4U-2 Development incorporates passive solar design to optimise heat storage in winter and reduce heat transfer in summer	Complies	BASIX assessment submitted with the development application
	Objective 4U-3 Adequate natural ventilation minimises the need for mechanical ventilation	Complies	Apartments designed with appropriate depths, ceiling heights and planning to promote airflow and natural ventilation.
4V Water Management and Conservation	Objective 4V-1 Potable water use is minimised	Complies	Water reducing fixtures and low water usage landscaping implemented
	Objective 4V-2 Urban storm-water is treated on site before being discharged to receiving waters	Complies	Refer to hydraulic engineer's reports and drawings
	Objective 4V-3 Flood management systems are integrated into site design	Complies	Refer to hydraulic engineer's reports and drawings
4W Waste Management	Objective 4W-1 Waste storage facilities are designed to minimise impacts on the streetscape, building entry and amenity of residents	Complies	Garbage bin holding area located on ground floor capable to fit required number of bins for collection day.
	Objective 4W-2 Domestic waste is minimised by providing safe and convenient source separation and recycling	Complies	Waste management plan will be submitted with Development Application.

4X Building Maintenance	Objective 4X-1 Building design detail provides protection from weathering	Complies	Material proposed are robust and hard weathering minimizing maintenance. Building detailing will provide protections to opening and control leaching etc.
	Objective 4X-2 Systems and access enable ease of maintenance	Complies	Generally, maintenance of the building can be directly accessed via individual unit or internal lobbies.
	Objective 4X-3 Material selection reduces on-going maintenance costs	Complies	Natural and resilient material selection of rendered wall, powder coated aluminium cladding and stone cladding reduces on-going maintenance.