DESIGN VERIFICATION CERTIFICATE SEPP65

15 PEEL STREET TUNCURRY NSW RESIDENTIAL APARTMENTS



SEPP 65 DESIGN STATEMENT 35 Peel Street Tuncurry NSW June 2017

DESIGN QUALITY PRINCIPLES

In all design principle matters, the objectives of SEPP65 and the relevant DCP documents of the Local Authority have been incorporated within the body of the application document. As such these responses are intended as a summary.

Matters relating to daylight access, cross-ventilation, room size, open space both private and common, building separation and other elements of Part 4 of SEPP 65 Apartment design guide are defined on the plans or within accompanying scheduled documentation

PRINCIPLE NO.1: CONTEXT AND NEIGHBOURHOOD CHARACTER

Good design responds and contributes to its context. Context is the key natural and built features of an area, their relationship and the character they create when combined. It also includes social, economic, health and environmental conditions.

Responding to context involves identifying the desirable elements of an area's existing or future character. Well- designed buildings respond to and enhance the qualities and identity of the area including the adjacent sites, streetscape and neighbourhood.

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

Located in Tuncury, the proposal responds to the need to deliver high quality residential development in this popular area.

Its position provides the opportunity to create a building that responds to the zoning and can define the

SEPP 65 DESIGN STATEMENT Lot 71 Withers Road, Kellyville NSW August 2014 character of the area as it moves forward.

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A combination of articulating architecture and landscaping intend to blend the development into a precinct while offering the community a recognisable feature.

The development seeks to achieve maximum view aspects from the site in a 360 degree structure taking advantage of the coastal flat terrain available in the area

PRINCIPLE NO.2: BUILT FORM AND SCALE

Good design achieves a scale, bulk and height appropriate to the existing or desired future character of the street and surrounding buildings.

Good design also achieves an appropriate built form for a site and the building's purpose in terms of building alignments, proportions, building type, articulation and the manipulation of building elements.

Appropriate built form defines the public domain, contributes to the character of streetscapes and parks, including their views and vistas, and provides internal amenity and outlook.

The building seeks to fill a perceived market in the area and as such is formed around the large more luxurious level of apartment dwelling and design.

With this philosophy in place the building form is an articulated cube base form with fenestration to articulated and soften the form.

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The main residential entry fronts Peel Street being the preferred residential address and is to be defined by a suitably scaled entry feature, letter boxes, providing a feeling of precinct while maintaining a feel of arrival and security. The full residential area is fenced from the streets and surrounding edges fenced and landscaped for safety and security.

Balconies are used as elements from the main form of the building, with glass and stainless steel balustrades fundamentally with solid sections for privacy at all times maintaining casual surveillance and a high quality feel.

Fenestration is also varied with a combination of full height and half height windows with spandrels.

An interplay of strong horizontal and vertical elements, such as the rectilinear elements with projecting balconies define the architectural language of the development

As the development is positioned at a corner, it is important to have a high degree of articulation as well as presenting a scale suitable to use and activity. Residential aspects, activities and precincts should feel secure and safely removed from the day to day activity surrounding the site.

Car parking is in two forms. While both are accessed from the lane the majority of the parking is in the form of a basement holding 41 cars while the remainder of the parking is at ground level in the form of undercroft parking for 16 cars including the visitor spaces. Servicing and garbage. It is important to limit the interaction of the residential and traffic, and as such all vehicle access is from Manning Lane while residential foot traffic is from Peel Street

The quality of the development is further highlighted by the generous floor spaces, large balconies and the large majority of the apartments possess a broad visual aspect of the surrounding area with ample daylight across the full year

PRINCIPLE NO.3: DENSITY

Good design achieves a high level of amenity for residents and each apartment, resulting in a density appropriate to the site and its context.

Appropriate densities are consistent with the area's existing or projected population. Appropriate densities can be sustained by existing or proposed infrastructure, public transport, access to jobs, community facilities and the environment.

The density of the proposal is in excess of the allowable requirements however by nature of the intended offering and the perceived market the excess is due more to the generous unit design rather a forced attempt to squeeze excess units onto the site.

PRINCIPLE NO.4: SUSTAINABILITY

Good design combines positive environmental, social and economic outcomes.

Good sustainable design includes use of natural cross ventilation and sunlight for the amenity and liveability of residents and passive thermal design for ventilation, heating and cooling reducing reliance on technology and operation costs. Other elements include recycling and reuse of materials and waste, use of sustainable materials and deep soil zones for groundwater recharge and vegetation.

The proposal aims to set desirable benchmarks in sustainability, both in construction and in the continuing life of the building. A combination of passive design and active sustainable systems are proposed to minimise the environmental impact of the building while maximising the amenity of the occupants.

These include meeting the requirements of "Basix", provision of substantial areas of soil and planting to assist in natural water absorption and runoff and planting of appropriate water hardy species.

Features of the ESD inclusions are

a/- laundry facilities in each apartment and generous balconies for drying of clothes.

b/- passive solar design enhances natural heating and cooling,

c/-dual aspect corner design and cross through apartments enhance natural ventilation, reducing electrical output

d/- solar collection devises contribute to energy input from natural sources

e/- generous window sizes promote natural light usage, rather than electrical.

f/ - orientation maximises the available daylight access to the apartments with most apartments exceeding the SEPP 65 apartment design guide requirements of 2 hours per day on the 21st June.

PRINCIPLE NO.5: LANDSCAPING

Good design recognises that together landscape and buildings operate as an integrated and sustainable system, resulting in attractive developments with good amenity. A positive image and contextual fit of well-designed developments is achieved by contributing to the landscape character of the streetscape and neighbourhood.

Good landscape design enhances the development's environmental performance by retaining positive natural features which contribute to the local context, co-ordinating water and soil management, solar access, microclimate, tree canopy, habitat values and preserving green networks.

Good landscape design optimises useability, privacy and opportunities for social interaction, equitable access, and respect for neighbours' amenity and provides for practical establishment and long term management.

The landscape design is appropriate for the local context and ensures suitable native species are planted.

Outdoor areas are set up for the quiet recreational of the residents. Due to the design with the residential zone the car park basement landscaping of the podium is to be carefully considered. To this end the minimum soil depth will be provided allowing small planting and lawn. In order to include tall trees and shrubs areas will be mounded locally to provide sufficient depth to foster the growth of the species selected.

Areas proposed for common open space will contain seating and attractive landscaping providing outdoor activities for the residents, play equipment and BBQ facilities can .also be introduced as seen to meet the resident's requirements. Landscaping provides privacy and amenity to the occupants and integrates the building with its surroundings.

In keeping with the sustainable goals of the development, the landscaping proposed will soften the site and create a precinct character defining a destination.

Lighting of the landscaped areas will be a major design consideration ensuring that all areas are safe and assure residents clear visible sight lines at all times.

The landscape plans show the extent and type of species as well as the external living areas and how the landscaping will integrate and provide a grounding for the residential blocks.

PRINCIPLE NO.6: AMENITY

Good design positively influences internal and external amenity for residents and neighbours. Achieving good amenity contributes to positive living environments and resident wellbeing.

Good amenity combines appropriate room dimensions and shapes, access to sunlight, natural ventilation, outlook, visual and acoustic privacy, storage, indoor and outdoor space, efficient layouts and service areas and ease of access for all age groups and degrees of mobility.

The proposal provides a high quality environment which takes advantage of the best available orientation of the residential blocks buildings and the district views.

This, in combination with the generous landscaped setting provides an amenity for the residents and the passing public as they move around the development irrespective at which level the involvement occurs be it residential or passing pedestrian.

The proposal sees generous unit sizes with rooms compliant or in excess of the minimum requirements with room relationships and shapes offering a defined and practical function for the user.

I.

Natural ventilation and daylight access are successfully achieved with the orientation and unit footprint successfully fulfilling the requirements while maintaining and reasonably cost effective solution for the development.

Storage, access and services are easily achieved and isolation of the activities between all these and the commercial / retail areas are such that the security aspects of the residential development are not broken.

Units exceed the private open space requirements for the unit type and suitable allowances have been made in the design to achieve acoustic isolation between units and interfacing activities between units.

Ease of access is paramount in the design and has been undertaken in such a way that all age groups and varying degrees of mobility can move freely across and through the development.

PRINCIPLE NO.7: SAFETY

Good design optimises safety and security within the development and the public domain. It provides for quality public and private spaces that are clearly defined and fit for the intended purpose. Opportunities to maximise passive surveillance of public and communal areas promote safety.

SEPP 65 DESIGN STATEMENT Lot 71 Withers Road, Kellyville NSW August 2014 A positive relationship between public and private spaces is achieved through clearly defined secure access points and well-lit and visible areas that are easily maintained and appropriate to the location and purpose.

All people are entitled to feel secure in their own home, as such security measures were carefully considered.

The first line of security is a perimeter screen that maintains visual transparency and runs around the majority of the development. The screen is situated within the vegetation of the landscaping to soften its appearance. There is secure entries for the block that acts as a checkpoint prior to gaining access to the security front door of each particular apartment.

All apartments have their own outdoor private space attached to their apartment, secured adequately and separated by landscaping where possible. Effort has been made to ensure sightlines from all parts of the building allow for good views of semi obscured spaces within the common areas of the site as well as beyond the perimeter fence to the streets.

Safety in lighting will be a major element in the formation of the parking areas.

PRINCIPLE NO.8: HOUSING DIVERSITY AND SOCIAL INTERACTION

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

Well-designed apartment developments respond to social context by providing housing and facilities to suit the existing and future social mix.

Good design involves practical and flexible features, including different types of communal spaces for a broad range of people and providing opportunities for social interaction

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among residents.

The development is responding to a need in the area for apartment style accommodation. It allows a selection of housing that caters to all social contexts within this area. As required by code the design endeavours to make appropriate units and the access thereto suitable for adaptable living.

PRINCIPLE NO.9: AESTHETICS

Good design achieves a built form that has good proportions and a balanced composition of elements, reflecting the internal layout and structure. Good design uses a variety of materials, colours and textures.

The visual appearance of a welldesigned apartment development responds to the existing or future local context, particularly desirable elements and repetitions of the streetscape.

Located on a fully exposed site, viewed from 4 directions and from distance, the development can be said to be "landmark". It has been carefully considered for viewing and location from all directions and attempts to achieve a well-proportioned and balanced spatial construct.

The consistent architectural language will give it its own character and identity and be recognisable to the surrounding area.

The building form is tailored to articulate within the site; with each facade broken down by elements, forms and colour intensity.

The materials and colours selected enhance the architectural language of the buildings. Painted masonry surfaces are offset by composite decorative elements..

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4277 15 PEEL STREET TUNCURRY LIVABLE HOUSING DESIGN						
DESIGN	STATUS	SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL		
DWELUNG AC CESS	Plainum	 a. Provide a sole and continuous pathway from. b. The front boundary of the diatment; or b. a car pating space, where provided, which may include the driveway on the allotment, for an entrance that is level (steptice) as specified in Bernerl 2. This provision does not apply where the average slope of the ground where the pathway wold feature is therefore that is level (steptice) as specified in Bernerl 2. This provision does not apply where the average slope of the ground where the pathway for those distribution of the pathway and a stepper than 114. b. The path of travel as referred to in (a) should have a minimum clear width of 1000mm and – k. an acrossital of not more than 1.40; B. a maximum pathway isope of 11.4. with landings provided at no greater than 9m for a 1.34 ramp, and no greater than 15m for ramps sleeper than 1.20; trandps should be no less than 1200mm in length; and is a step ramp may be incorporated of an entrance doorway where there is a change in height of 100mm relies. The step ramp howid provide. k. a maximum clear width of 1000mm (please nole; width should refeat the pathway width) is a maximum clear width of 1000mm (please nole; width should refeat the pathway width) a maximum length of 1900mm Level landings no less than 1200mm in length, exclusive of the when of the door or gate than open onto them, must be provided of the head and tool of the ramp. 	As for alver level except in (b) replace the minimum clear pathway width of 1000mm with 1100mm	As for silver level except in (b) replace with a minimum clear pathway width 1100mm with 1200mm provided from: 2 the front boundary of the allohment, and B, any car patting space, where provided, which may include the driveway of the diotment, to an entrance that is level (step-free) as specified in Berrent ;		
DWELUNG ENTRANCE	Gold	A. The divelling involutional devices an entrance door with: L or minimum clear opening width of 820mm (see Figure 2(a)); L animmum clear opening width of 820mm (see Figure 2(a)); L allowed (sephrete) framition and threshold (maximum vertical tolerance of Simu between abuffing surfaces is allowable provided the lip is rounded or beveled); and L allowed include the term the weather b. A level (anding area of all least 1200mm s 1200mm should be provided at the level (sph tee) entrance door c. Where the threshold at the entrance exceeds 5mm and in less than 5mm, a ramped threshold now be provided (see Figure 1(b)); d. The level (spherie) entrance is block be connected to the rafe and continuous pathway as specified in Bement 1	As for silver level except replace. (b) with a level landing area of at least 1350mm x 1350mm, and (a) (i) with minimum clear door opening width of 850mm (see Figure 2(b))	As for silver level except replace: (b) with a level landing area of all least 1.500mm x 1.500mm, and (a) (i) with a minimum clear door opening width of 900mm (see figure 2(c)).		
CAR PARKING	Gold	A where the antibarks into it is called a will be to come and a constraint of a particular into a particular of the dwelling accessite the space should incorporate. Limit mum dimensions of all least 3200mm (width) x 5400mm (length); is on even, tim and signresistant surface; and is a level surface (1:40 maximum gradient, 1:33 maximum gradient for bitumen);	As for silver level with the following additional learnes incorporated for Class To dwellings: Iv a vertical clearance over the parking space of at least 2500mm; and v, a covered parting space to ensure protection from the weather.	As for gold level for Class 1 a dwelling i except that the parking space in (a)/(i) thoud be at least 3000mm (width) x 6000mm (length). b. for Class 2 dwellings, parking spaces compliant with the accessible parking provisions defailed in A 2890.6 (2009), should be provided as follows i. where included parking spaces from part of the included until 5 title, at leas one accessible parking spaces should be provided for each unit; and i. if withor parking is provided, then at least 1 space per 100 unit; or part		
INTERNAL DOORS & CORRIDORS	Silver	a. Dooway: to nomit on the entry level used for living, dining, bedroom, bothroom, litchen, loundry and sanilary compartment purposes should provide to animimum clear opening width or 820mm (see Figure 20)); and its alrevel transition and threshold (maximum vertical tolerance of 5mm between abulting surfaces is allowable provided the lip is rounded or beveted). but hema comparison and the shold in the cloomy regime of 5mm between abulting surfaces is allowable provided the lip is rounded or beveted).	As for the silver level except replace: [a]/[i] with a minimum clear opering width of 850mm (see Figure 2(b)), and (b) with a minimum contidor/parsageway width of 1200mm.	Batinum Level At for the alver level except replace. (a)(ii) with a minimum clear opening width of 900mm (see Rgure 2(c)), and (b) with a minimum contidor/passageway width of 1200mm.		

DESIGN ELEMENTS	STATUS	SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL
TOLET	Silver	a. Dwellings should have a tablet on the ground (or entry) level that provides: & a minimum clear width of 900mm between the wait of the bathroom if located to a paparate room; and B. a minimum 1200mm clear circulation space forward of the tablet pan exclusive of the swing of the door in accordance with Figure 3(a). b. If the table is located within the ground (or entry) level bathroom, the tablet pan should be located in the corner of the room to enable the instalation of grobrate.	As for siver level except replace (a) /(i) with a minimum clear width of 1200mm between the walk of the bathroom il located in a separate room, or between amenities if located in a combined bathroom.	As for the gold level with the following features added to (a): III. a lotel pan positioned between 450mm - 450mm from the noracet wall as measured from the centre line of the totel: W. 600mm minimum clearance forward of the cklein measured from the front of the datem to the trant of the lotel pan. 600mm (*/-10mm) clearance is required if the cklein is receised; and V. a height for the pan of between 450mm - 450mm
SHOWER	Shor	 a. One bothnoom should feature a sip resistant, hobies (stepfree) shower recess. Shower screem are permitted provided they can be easily removed at a later date. b. The shower recess should be located in the corner of the room to enable the installation of grabical to a future date. 	At for store level except: c. The hobits (tep-free) thower recens described in (a) should: Leb located in a bathroom on the ground (or entry) isvet: 1. provide minimum dimensions of 900mm (width) x900mm (length)) and 15. provide a clear space of at local 1200mm (width) x1200mm (length) 15. provide a clear space of at local 1200mm (width) x1200mm (length)	As for gold level except: L reptace (c)/(ii) with dimensions of at least 1160mm (width) x 1100mm (length and L reptace (c)/(iii) with dimensions of at least 1600mm(width) x 1400mm (length forward of the shower recent as delatided h Figure 3(b).
REHFORCEMENT OF BATHROOM & TOLET WALLS		a. Except for walk constructed of reliaf matoriny or concrete, the walk around the shows, both (P provided) and talled should be rehiforced to provide a different of a provide of graduals. b. The fastening, walk enforcement and graduals. b. The fastening, walk enforcement and graduals. c. The fastening, walk enforcement and graduals. b. The fastening, walk enforcement and graduals. c. The fastening, walk enforcement and graduals. b. The fastening, walk enforcement and graduals. c. The fastening, walk enforcement and graduals. b. The fastening, walk enforcement and graduals. Wandbook provides information on a Walk Scanning device librit can be used to verify that reinforcement exits bathad wall thereing. This information along any will enforcement exits bathad wall thereing. This information drag with evidence stuck as details and drawing collected from the builder may be utilified in to satisfy an arresor. It is dray possible that an hype clion of the walk prior to inset ling is need each. Assess at hour details much any possible. c. The walk around the bath and to bo teriforced by installing: i. negating with a thickness of all east 12mm in accordance with Figure 6(b). d. The walk around the bath are to be reinforced by installing: i. negging with a thickness of at least 12mm in accordance with Figure 7(a). or S. the earling with a thickness of at least 12mm in accordance with Figure 7(a). or S. the walk around the bath are to be reinforced by installing: i. negging with a thickness of at least 12mm in accordance with Figure 7(a). or b. the walk around the bath are to be reinforced by installing: i. negging with a thickness of at least 12mm in accordance with Figure 7(a). or b. the walk around the bath are to be reinforced by installing: i. negging with a thickness of at least 12mm in accordance with Figure 7(a). or b. the walk	Siver level requirement: opply.	Stver level requiremonis apply;
INTERNAL STAIRWAYS	Gold	or. A Statways in dwellings must feature: L a continuous handrait on ane side of the statiway where there is a rise of more than 1m.	At for the tilver level with the following additional features: & a minimum clear width of 1000mm; & be straight in design; and M, be positioned adjoining a load bearing wat. Note The steps must provide a step restiont finkh and suitable non-step tead as specified in the NCC. Handrah on both sides of the statway are preferred.	As for the gold level with the following additional features: v, closed (ken; vi, continuous handrafs on both sides of the stalway; and vii, mhimum landing areas of 1200mm x 1200mm at the top and base of the stalway. Note the steps must provide a site restitant finish and suitable non-site tread as
KITCHEN SPACE	Siver	No requiremente.	a. The titchen space should be designed to support ease of movement and adaptation with: I, at least 1200mm clearance provided in front of fixed benches and applicances; and E. til: presistant flooring.6 b. Where practicable, floor frikihes thould extend under titchen cabinetry to enable cupboards to be removed without affecting the flooring. An As error should as: the builder / client if he/ she can carfirm that flooring rune completely under cupboards. Somelimes II is relatively easy to confirm that floor covering have been applied affect cupboards have been instaled and sometimes II is not so cary. If relying on advice from a third party. Assesson are caybled to provide, a rune in Jha. Dete. Cowmon of the Assessment.	As for the gold level accept that the lighten space detrifted in (a) should be designed to support acce of movement and adaptation with: L all east 1550mm clearance should be provided in front of fixed benches and appliances: It stp restricted that footings: and It start lighting heldled above workspaces.
LAUNDRYSPACE	Silver	No requiremente.	As forsiver level except: a. The laundry space should be designed to support ease of movement and adaptation with: i, of teast 1200mm clearance provided in front of fload benches and appliances; and is signesization flooring.c b: Where practicable, floor flobes should extend under laundry cabinetive to enable cubeords to be mayed without affecting	At for the gold level except that In kandty space described in (a) should be designed to support ease of movement and adaptation with: i. at least 1550mm clearance should be provided in front of fixed benches and appfamment: ii. stap resistant flooring: and iii. tax lighting heldled above workspace.

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DESIGN ELEMENTS	STATUS	SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL
GROUND (OR ENTRY LEVEL) BEDROOM SPACE	Gold	No régulitementi .	a. The dwelling should feature a space (or room) on the ground (or entry) level lihal: Le of al loast 10mt with one wall a minimum length of 3m; B provides for a minimum path of travel of al least 1000mm on at least one slide of the bed.	As for the gold level, but it data: L provides or papes of al level 1560mm (width) x 2070mm (h the direction of travely on the side on the bed that is does at to the doer approach and ls, provides for a minimum path of havet of 1000mm on the remaining side of the bed. For Plathum level, it should be answed that a bed with dimensions 1500mm x 2000mm (as thewn on the steatch overlead) is present. This will mean that the minimum alsor dimensions of a room would need to be 3000mm x 4040mm to meet the Plathum level explorement. Where a bed is present in the case of an As Bull inspection), the clearance should be measured to the adges of the bed for bed simpler in and that and the dimensional based vapon a be As for gold sevel with the falsaving facture: . Light and powerpoint witches should be racher action, loggle or push pad in design with a recommended width of 35mm.
SWITCHES AND POWERPOINTS	Silver	1 No requirements.	a. Light switches should be positioned in a consistent location: i, between 900nm – 1100mm above the finished floor level; and ii, horizontdy algned with the door handle of the entrance to a room. b. Powerpoints should be installed not lower than 300mm above the finished or any statement of the statement of	
DOOR AND TAP HARDWARE	Silver	No raquinements,	Doorways should feature door hardware installed at between 900mm - 1100mm above the finished floor.	As for gold level with the following features: b. Doorways should feature lever or D-pull style door hardware; and c. Barts, stirks and Abs should feature lever or capsion style 1ap hardware will a certification. For Gold and Flaihum level, the handle clearances for D-pull style door hardware should be the same as AS1428.1, AS 1428.1 is the most relevant set specifications aimed al providing the greatest or colors to the greatest number of people and as such is an appropriate standard to reference for the Berner
FAMIL/LIVING ROOM SPACE	Silver	No requirements.	No requirements.	a. The tamily/living room should accommodate a free space, minimum 2250mm in diameter, to enable ease of movement clear of fumiture.
WINDOW SILLS	Silver	No requirements.	No requirement.	a. Window sits on the ground (or entry) level is long areas and backsom spaces should be positioned no higher than 1000mm above the finished floor level to enable enjoyment of the aution. b. Window controls should be able to be early to operate with one hand and located within early reach time either a sealed or standing position. Note A concession from (a) is reasonable in titchen, bathroom and utility
FLOORING	Siver	No requirements.	No requirements.	a. All fileor coverings should: L be film and even, and B. feature a lavel itarallion between abulting surfaces (a maximum verifical folience of 50mm between abulting surfaces is allowable provided the lip is and a between abult of the lip is

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