BASIX Certificate

Building Sustainability Index www.basix.nsw.gov.au

Alterations and Additions

Certificate number: A482288

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Alterations and Additions Definitions" dated 06/10/2017 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary

Date of issue: Friday, 02, December 2022

To be valid, this certificate must be lodged within 3 months of the date of issue.



Description of project

Project address	
Project name	Parker Residence
Street address	22 Loch Street Freshwater 2096
Local Government Area	Northern Beaches Council
Plan type and number	Deposited Plan 5396
Lot number	35
Section number	
Project type	
Dwelling type	Separate dwelling house

Certificate Prepared by (please complete before submitting to Council or PCA)

Name / Company Name: Castlepeake Consulting Pty. Ltd.

ABN (if applicable): 85054612761

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Fixtures and systems	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Hot water			
The applicant must install the following hot water system in the development: gas instantaneous.	✓	✓	✓
Lighting			
The applicant must ensure a minimum of 40% of new or altered light fixtures are fitted with fluorescent, compact fluorescent, or light-emitting-diode (LED) lamps.		~	✓
Fixtures			
The applicant must ensure new or altered showerheads have a flow rate no greater than 9 litres per minute or a 3 star water rating.		✓	✓
The applicant must ensure new or altered toilets have a flow rate no greater than 4 litres per average flush or a minimum 3 star water rating.		✓	✓
The applicant must ensure new or altered taps have a flow rate no greater than 9 litres per minute or minimum 3 star water rating.		>	

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Construction			Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Insulation requirements					
	ed construction (floor(s), walls, and ceilings/roofs) ation is not required where the area of new const where insulation already exists.		V	√	√
Construction	Additional insulation required (R-value)	Other specifications			
suspended floor with enclosed subfloor: concrete (R0.6).	R0.70 (down) (or R1.30 including construction)				
external wall: cavity brick	nil				
external wall: framed (weatherboard, fibro, metal clad)	R1.30 (or R1.70 including construction)				
flat ceiling, pitched roof	ceiling: R2.25 (up), roof: foil/sarking	light (solar absorptance < 0.475)			

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Glazing re	equirements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows	and glazed do	ors							
	ant must install th vershadowing sp	~	~	✓					
The following	ng requirements	must also	be satisfi	ed in relatior	n to each window and glazed door:			✓	✓
have a U-va must be ca	ralue and a Solar Ilculated in accord	Heat Gair dance with	n Coefficie n National	ent (SHGC) r Fenestration	no greater than that listed in the tab	ear glazing, or toned/air gap/clear glazing must ble below. Total system U-values and SHGCs s. The description is provided for information		✓	√
					f each eave, pergola, verandah, ba than 2400 mm above the sill.	llcony or awning must be no more than 500 mm	✓	✓	✓
Pergolas w	Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.							✓	✓
Pergolas with fixed battens must have battens parallel to the window or glazed door above which they are situated, unless the pergola also shades a perpendicular window. The spacing between battens must not be more than 50 mm.								✓	✓
	vith adjustable sha ap in plan view.	ading may	/ have adj	ustable blad	es or removable shade cloth (not le	ess than 80% shading ratio). Adjustable blades		✓	✓
Overshadowing buildings or vegetation must be of the height and distance from the centre and the base of the window and glazed door, as specified in the 'overshadowing' column in the table below.							✓	✓	✓
Windows	s and glazed	doors g	lazing r	equireme	nts				
Window / cono.	door Orientation	Area of glass inc. frame (m2)	Oversha Height (m)	Distance (m)	Shading device	Frame and glass type			
W1	E	3.17	0	0	eave/verandah/pergola/balcony >=900 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W2	N	1.26	3	1.5	none	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W3	N	2.52	3	1.5	none	timber or uPVC, single pyrolytic low-e,			

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Glazing requ	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check						
Window / door no.	Orientation	Area of glass inc. frame (m2)	Oversha Height (m)	adowing Distance (m)	Shading device	Frame and glass type			
						(U-value: 3.99, SHGC: 0.4)			
W4	N	4.42	0	0	pergola (adjustable shade) >=900 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W5	N	4.42	0	0	pergola (adjustable shade) >=900 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W6	N	4.22	0	0	pergola (adjustable shade) >=900 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W7	Е	6.24	0	0	eave/verandah/pergola/balcony >=450 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W8	W	4.03	0	0	eave/verandah/pergola/balcony >=450 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W9	N	1.39	0	0	eave/verandah/pergola/balcony >=450 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W11	S	2.36	0	0	none	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W12	S	2.36	0	0	none	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W13	E	1.82	0	0	eave/verandah/pergola/balcony >=900 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W20	E	6.58	0	0	pergola (adjustable shade) >=900 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W21	N	4.71	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W22	N	3.55	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W23	N	4.42	0	0	eave/verandah/pergola/balcony	timber or uPVC, single pyrolytic low-e,			

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Glazing requ	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check						
Window / door no.	Orientation	Area of glass inc. frame (m2)	Oversha Height (m)	Distance (m)	Shading device	Frame and glass type			
					>=450 mm	(U-value: 3.99, SHGC: 0.4)			
W24	N	4.42	0	0	eave/verandah/pergola/balcony >=450 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W25	N	4.42	0	0	eave/verandah/pergola/balcony >=450 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W26	Е	6.26	0	0	pergola (adjustable shade) >=900 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W27	W	4.92	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W28	W	1.15	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W29	S	1.17	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W30	S	1.43	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W31	S	1.34	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W32	S	0.78	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W33	S	1.09	0	0	eave/verandah/pergola/balcony >=600 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
D01	W	6.26	0	0	eave/verandah/pergola/balcony >=450 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
D02	N	2.08	0	0	eave/verandah/pergola/balcony >=450 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
D20	W	6.26	0	0	pergola (adjustable shade) >=900	timber or uPVC, single pyrolytic low-e,			

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Glazing requ	irements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Window / door no.	Orientation	Area of glass inc. frame (m2)	Oversha Height (m)	dowing Distance (m)	Shading device	Frame and glass type			
					mm	(U-value: 3.99, SHGC: 0.4)			
D21	Е	10.56	0	0	eave/verandah/pergola/balcony >=900 mm	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			
W10	S	1.86	0	0	none	timber or uPVC, single pyrolytic low-e, (U-value: 3.99, SHGC: 0.4)			

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Legend

In these commitments, "applicant" means the person carrying out the development.

Commitments identified with a " " in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).

Commitments identified with a "

"in the "Show on CC/CDC plans & specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.

Commitments identified with a "

"" in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate for the development may be issued.