BASIX Certificate

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

Alterations and Additions

Certificate number: A344176

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: Monday, 15, April 2019 To be valid, this certificate must be lodged within 3 months of the date of issue.



O'Leary House
7 Pavilion Street Queenscliff 2095
Warringah Council
Deposited Plan 900658
1
0
Separate dwelling house
My renovation work is valued at \$50,000 or more, and does not include a pool (and/or spa).

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

Name / Company Name: Corben Architects

ABN (if applicable): 073791321

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Fixtures and systems	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
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	1		
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.		\checkmark	~
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.		\checkmark	~
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.		\checkmark	

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.		×	~	~
Construction	Additional insulation required (R-value)	Other specifications			
floor above existing dwelling or building.	nil				
external wall: cavity brick	nil				
external wall: framed (weatherboard, fibro, metal clad)	R1.30 (or R1.70 including construction)				
flat ceiling, flat roof: framed	ceiling: R0.58 (up), roof: foil backed blanket (100 mm)	medium (solar absorptance 0.475 - 0.70)			

Glazing req	uirements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows an	d glazed o	loors							
The applicant Relevant overs		the specifications listed in the table below.	\checkmark	~	~				
The following	The following requirements must also be satisfied in relation to each window and glazed door:								\checkmark
have a U-value must be calcul	e and a Sola lated in acco	ar Heat Gaiı ordance witl	n Coefficie h National	ent (SHGC) r Fenestration	no greater than that listed in the tabl	ar glazing, or toned/air gap/clear glazing must le below. Total system U-values and SHGCs s. The description is provided for information		~	~
					each eave, pergola, verandah, bal han 2400 mm above the sill.	cony or awning must be no more than 500 mm	\checkmark	\checkmark	~
Pergolas with	polycarbona	ate roof or s	imilar tran	slucent mate	erial must have a shading coefficien	t of less than 0.35.		~	~
External louvre	es and blind	s must fully	shade the	window or	glazed door beside which they are s	situated when fully drawn or closed.		~	~
					e window or glazed door above which a window or glazed door above which a wind be more than 50 mm.	ch they are situated, unless the pergola also		×	\checkmark
Pergolas with must overlap i			y have adj	ustable blad	es or removable shade cloth (not le	ss than 80% shading ratio). Adjustable blades		~	\checkmark
Overshadowin specified in the	ig buildings e 'overshado	or vegetatic owing' colur	on must be nn in the t	of the heigh able below.	nt and distance from the centre and	the base of the window and glazed door, as	\checkmark	\checkmark	\checkmark
Windows a	nd glazed	l doors g	lazing r	equireme	nts				
Window / doo	r Orientatic			dowing	Shading device	Frame and glass type			
no.		glass inc. frame (m2)	Height (m)	Distance (m)					
W1	E	12	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W2	E	11	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			

Glazing requ	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check						
Window / door no.	Orientation	Area of glass inc. frame	Oversha Height (m)	dowing Distance (m)	Shading device	Frame and glass type			
		(m2)							
W3	S	12	0	0	none	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W4	E	6	0	0	external louvre/blind (adjustable)	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W5	E	17	0	0	pergola (adjustable shade) >=900 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W6	N	4	8.6	2	none	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W7	W	2.2	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W8	S	5.5	7	5.5	none	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W9	S	4.1	8.6	5.5	none	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W10	E	11	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W11	E	10	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W12	E	5.6	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W13	E	10	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W14	W	1.5	0	0	external louvre/blind (adjustable)	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W15	W	1	0	0	external louvre/blind (adjustable)	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			

								Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Window / dc no.	oor Orientation	Area of glass inc. frame (m2)	Oversha Height (m)	adowing Distance (m)	Shading device		Frame and glass type			
W16	W	9	0	0	external louvre/blind	(adjustable)	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W17	S	1.9	5.2	5.5	none		standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W18	E	4.2	0	0	eave/verandah/pergo >=900 mm	ola/balcony	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W19	E	17	0	0	eave/verandah/pergola/balcony >=900 mm		standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
Glazed roo	fs									
The applicar	nt must install the	e glazed	roofs desc	cribed in the	able below, in accorda	ance with the	specifications listed in the table.	\checkmark	~	~
The following	g requirements r	must also	be satisfi	ed in relation	to each glazed roof:			_	~	~
	ofs glazing r	-								
Glazed roof number	Area of g (m2)	glazing	Shading	device		Glass type				
G1	9.4	9.4		ing		standard al SHGC: 0.48	uminium, toned/air gap/clear, (U-value: 5.31, 3)			
G2	0.8	0.8		ing		standard al SHGC: 0.6	uminium, clear/air gap/clear, (U-value: 5.34, 7)			
G3	3.5	no shading			improved a SHGC: 0.4	luminium, toned/air gap/clear, (U-value: 4.09, 7)				
G4	3.5		no shad	o shading			luminium, toned/air gap/clear, (U-value: 4.09, 7)			
G5	1.2		no shad	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)						

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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.