BASIX Certificate

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

Alterations and Additions

Certificate number: A450176

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: Thursday, 19, May 2022

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



Description of project

Project address							
Project name	139 George St Avalon						
Street address	139 George Street Avalon 2107						
Local Government Area	Northern Beaches Council						
Plan type and number	Deposited Plan 204164						
Lot number	4						
Section number							
Project type							
Dwelling type	Separate dwelling house						
Type of alteration and addition	My renovation work is valued at \$50,000 or more, and includes a pool (and/or spa).						

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

Name / Company Name: Blue Sky Building Designs

ABN (if applicable): 38163506536

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Pool and Spa	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Rainwater tank			
The applicant must install a rainwater tank of at least 4550 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	✓	~	✓
The applicant must configure the rainwater tank to collect rainwater runoff from at least 320 square metres of roof area.		✓	✓
The applicant must connect the rainwater tank to a tap located within 10 metres of the edge of the pool and outdoor spa.		✓	✓
Outdoor swimming pool		ı	
The swimming pool must be outdoors.	V	✓	✓
The swimming pool must not have a capacity greater than 55 kilolitres.	✓	✓	✓
The applicant must install a pool pump timer for the swimming pool.		✓	✓
The applicant must not incorporate any heating system for the swimming pool that is part of this development.		✓	✓
Outdoor spa	1	1	
The spa must not have a capacity greater than 6 kilolitres.	✓	✓	✓
The applicant must install a spa pump timer.		✓	✓
The applicant must not incorporate any heating system for the outdoor spa that is part of this development.		✓	✓

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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			
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								
The applicant must construct the new or altere the table below, except that a) additional insula is not required for parts of altered construction	V	V	~					
Construction	Construction Additional insulation required (R-value) Other specifications							
floor above existing dwelling or building.	nil							
external wall: framed (weatherboard, fibro, metal clad)	R1.30 (or R1.70 including construction)							
raked ceiling, pitched/skillion roof: framed	ceiling: R1.74 (up), roof: foil backed blanket (55 mm)	dark (solar absorptance > 0.70)						

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Glazing requ	irements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows and	l glazed do	ors							
					ading devices, in accordance with each window and glazed door.	the specifications listed in the table below.	~	~	✓
The following re	equirements	must also	be satisfi	ed in relation	to each window and glazed door:			✓	✓
	and a Solar	d glass may either match the description, or, le below. Total system U-values and SHGCs		✓	~				
have a U-value	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	✓	✓	✓
Pergolas with p	olycarbonate	roof or si	milar tran	slucent mate	rial must have a shading coefficien	t of less than 0.35.		✓	✓
					window or glazed door above which must not be more than 50 mm.	ch they are situated, unless the pergola also		✓	✓
Overshadowing specified in the	buildings or 'overshadow	vegetatio ving' colum	n must be nn in the t	of the heigh able below.	t and distance from the centre and	the base of the window and glazed door, as	✓	✓	~
Windows an	nd glazed o	doors gl	lazing r	equiremer	nts				
Window / door	Orientation			dowing	Shading device	Frame and glass type			
no.		glass inc. frame (m2)	Height (m)	Distance (m)					
01.DW1	N	11.9	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
01.W02	N	2.3	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			

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Glazing requirements									Certifier Check
Window / door no.	Orientation	Area of glass inc. frame (m2)	Oversha Height (m)	Distance (m)	Shading device	Frame and glass type			
02.D3	N	9.7	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
02.D4	N	17.9	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
02.D5	E	2.2	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
02.W6	E	2.2	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
02.D7	Е	2.2	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
02.W8	W	1.8	7	5	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
03.W9	E	3.6	5	5	none	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
03.W10	Е	1.8	5	5	none	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
03.W11	S	1	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
03.W12	S	1	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
03.D13	S	1.8	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
03.W14	S	1	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
03.W15	S	1	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			

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Glazing requirements								Show on CC/CDC Plans & specs	Certifier Check
Window / door	Orientation	Area of	Oversha	adowing	Shading device	Frame and glass type			
no.		glass inc. frame (m2)	Height (m)	Distance (m)					
04.DW17	N	11.6	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
04.W18	N	5.7	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
04.DW19	N	11.6	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
04.W20	E	1.8	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
04.W21	E	1.8	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
04.W22	S	1.4	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
04.W23	W	1.8	7	5	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			

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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.