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BASIX Certificate

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

Alterations and Additions

Certificate number: A436416

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

Secretarv

Date of issue: Monday, 07, February 2022 To be valid, this certificate must be lodged within 3 months of the date of issue.



Planning, Industry & Environment

Project address	
Project name	23 CHISHOLM AVE AVALON
Street address	23 CHISHOLM Avenue AVALON 2107
Local Government Area	Northern Beaches Council
Plan type and number	Deposited Plan DP 41695
Lot number	В
Section number	
Project type	
	Separate dwelling house

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

Name / Company Name: Avalon building design

ABN (if applicable): 52288031668

Fixtures and systems	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Lighting	1	1	
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	\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	\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
nsulation 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 Construction	 	~	~		
floor above existing dwelling or building.	nil				
external wall: framed (weatherboard, fibro, metal clad)	R1.30 (or R1.70 including construction)				
flat ceiling, pitched roof	ceiling: R1.75 (up), roof: foil/sarking	light (solar absorptance < 0.475)			

	requirements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows	and glazed do	ors							
					nading devices, in accordance with r each window and glazed door.	the specifications listed in the table below.	~	 	~
The following requirements must also be satisfied in relation to each window and glazed door:								\checkmark	\checkmark
have a U-v must be ca	value and a Solar I alculated in accord	Heat Gair lance with	n Coefficie National	ent (SHGC) r Fenestratio	no greater than that listed in the tab	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 polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.							~	~	
_ .									
shades a p	perpendicular winc	dow. The	spacing b	etween batte	ens must not be more than 50 mm.	ch they are situated, unless the pergola also	-	~	~
shades a p Window	perpendicular winc	dow. The s	spacing b l azing r	etween batte equireme	ens must not be more than 50 mm. nts		-	~	~
shades a p Window	perpendicular winc	dow. The s	spacing b	etween batte equireme	ens must not be more than 50 mm.	ch they are situated, unless the pergola also Frame and glass type		~	~
shades a p Window Window /	perpendicular winc	dow. The s doors gl Area of glass inc. frame	spacing b I azing r Oversha Height	etween batte equiremen adowing Distance	ens must not be more than 50 mm. nts				~
shades a p Window Window / no.	perpendicular winc /s and glazed c door Orientation	dow. The s doors gl Area of glass inc. frame (m2)	spacing b lazing r Oversha Height (m)	etween batte equiremen adowing Distance (m)	ens must not be more than 50 mm. nts Shading device eave/verandah/pergola/balcony	Frame and glass type standard aluminium, single pyrolytic low-e,			~
shades a p Window / Window / no.	perpendicular wind /s and glazed c door Orientation E	dow. The s doors gl Area of glass inc. frame (m2) 0.9	spacing b azing r Oversha Height (m) 0	etween batte equiremen adowing Distance (m) 0	ens must not be more than 50 mm. nts Shading device eave/verandah/pergola/balcony >=600 mm eave/verandah/pergola/balcony	Frame and glass type standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47) standard aluminium, single pyrolytic low-e,			~
shades a p Window / No. W1 W2	perpendicular winc /s and glazed c door Orientation E E	dow. The s doors gl Area of glass inc. frame (m2) 0.9 3.6	spacing b azing r Oversha Height (m) 0	etween batte equirement adowing Distance (m) 0	ens must not be more than 50 mm. nts Shading device eave/verandah/pergola/balcony >=600 mm eave/verandah/pergola/balcony >=600 mm	Frame and glass type standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47) standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47) standard aluminium, single pyrolytic low-e,			~

Glazing requirements									Certifier Check
Window / door	Orientation	Area of	Overshadowing		Shading device	Frame and glass type			
no.		glass inc. frame (m2)	Height (m)	Distance (m)					
W6	W	1.8	0	0	eave/verandah/pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W7	W	0.5	0	0	eave/verandah/pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W8	W	1.7	0	0	eave/verandah/pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W9	S	0.9	0	0	eave/verandah/pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
W10	S	3.4	0	0	eave/verandah/pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			

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.