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Show on Show on Certifier

BASIX[°]Certificate Building Sustainability Index www.basix.nsw.gov.au

Alterations and Additions

Certificate number: A389954

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, 11, September 2020 To be valid, this certificate must be lodged within 3 months of the date of issue.



Project name	174 WOORARRA AVENUE, ELANORA HEIGHT NSW 2101
Street address	174 WOORARRA Avenue ELANORA HEIGHTS 2101
Local Government Area	Northern Beaches Council
Plan type and number	Deposited Plan 514777
Lot number	1
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 does not include a pool (and/or spa).

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	DA Plans	CC/CDC Plans & specs	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.		\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	~
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.		~	



Certificate Prepared by (please complete before submitting to Council or PCA) Name / Company Name: Action Plans ABN (if applicable): 17118297587

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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							
The applicant n Relevant overs	nust install th hadowing spe	e window: ecification	s, glazed s must be	doors and s satisfied fo	hading devices, in accordance with r each window and glazed door.	the specifications listed in the table below.	\checkmark	\checkmark	\checkmark
The following re	equirements i	nust also	be satisfi	ed in relation	n to each window and glazed door:			~	~
have a U-value must be calcula	and a Solar ated in accord	Heat Gair lance with	Coefficie National	ent (SHGC) Fenestratio	no greater than that listed in the tal	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.	lcony or awning must be no more than 500 mm	\checkmark	~	~
Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.							~	~	
External louvre	s and blinds r	nust fully	shade the	e window or	glazed door beside which they are	situated when fully drawn or closed.		\checkmark	~
					e window or glazed door above wh ens must not be more than 50 mm.	ich they are situated, unless the pergola also		~	~
Pergolas with a must overlap in		iding may	have adj	ustable blad	les or removable shade cloth (not le	ess than 80% shading ratio). Adjustable blades		~	~
Windows ar	nd glazed o	loors g	lazing r	equireme	nts		1		
Window / door no.	Orientation	Area of glass inc. frame (m2)	Oversha Height (m)	dowing Distance (m)	Shading device	Frame and glass type			
W01	S	3.84	0	0	eave/verandah/pergola/balcony >=600 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)			
W02	S	1.58	0	0	eave/verandah/pergola/balcony >=900 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)			
W03	s	2.3	0	0	eave/verandah/pergola/balcony	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)			

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Glazing requ	irements						Show on DA Plans	Show of CC/CD0 Plans & specs
Window / door	Orientation	Area of	Oversha	dowing	Shading device	Frame and glass type		
		glass inc. frame (m2)	Height (m)	Distance (m)				
W04	S	1.98	0	0	eave/verandah/pergola/balcony >=600 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
W05	E	1.98	0	0	eave/verandah/pergola/balcony >=600 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
W06	W	1.23	0	0	external louvre/blind (adjustable)	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
W07	S	2.74	0	0	eave/verandah/pergola/balcony >=600 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
W08	S	1.99	0	0	eave/verandah/pergola/balcony >=900 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
W09	N	1.65	0	0	pergola (adjustable shade) >=900 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
W10	N	0.86	0	0	eave/verandah/pergola/balcony >=600 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
W11	N	0.88	0	0	external louvre/blind (adjustable)	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
D01	S	2.73	0	0	eave/verandah/pergola/balcony >=900 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
D02	S	6.94	0	0	eave/verandah/pergola/balcony >=900 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		
D03	N	7.76	0	0	eave/verandah/pergola/balcony >=900 mm	improved aluminium, single clear, (U-value: 6.44, SHGC: 0.75)		

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Certifie Check

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Legend	
In these commitments, "applicant" means the person carrying out the development.	
Commitments identified with a *	3
Commitments identified with a *_v" 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.	on
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.	

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	REV.	DATE	COMMENTS		NOTES This drawing is the copyright of Action Plans and not be altered, reproduced or transmitted in any form or by any means in part or in	CLIENT	DRAWING NO
ACTION PLANS	А	11/08/2020	INITIAL DESIGN PLAN	AL	whole with the written permission of Action Plans. Do not scale measure from drawings. Figured dimensions are to be used only.	SEAN & KATHRYN	DA16
	в	B 21/08/20 FIRST DESIGN AMENDMENT AL The Builder/Contractor shall check and verify all levels and dimensions on site prior to commencement of any work, creation of s drawings, or fabrication of components.	TAPP	DAIO			
m: 0426 957 518	С	01/09/20	SECOND DESIGN AMENDMENT	RNA	All errors and omissions are to be verified by the Builder/Contractor and referred to the designer prior to the commencement of works. All window & door dimensions, orientation, glazing materials, opening types, frame types are to be confirmed by a suitably qualified	PROJECT ADDRESS	DATE
e:operations@actionplans.com.au w: www.actionplans.com.au	D	14/09/20	DA DOCUMENTATION	LRP	person prior to the ordering of any such materials are to take place. U value takes precedence over glazing type/colour in all cases.	174 WOORARRA	Tuesday, 15
·····					all new glazing must meet the BASIX specified frame and glass type, <u><i>QR</i></u> meet the ecified U value and SHGC value.	AVENUE, ELANORA HEIGHTS NSW 2101	September 20

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RAWING NO.

DRAWING NAME BASIX COMMITMENTS Building Sustainability Index www.basix.nsw.gov.au

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		DA Plans	CC/CDC Plans & specs	Check
I construction (floor(s), walls, and ceilings/roofs) ion is not required where the area of new constru- where insulation already exists.		~	~	~
Additional insulation required (R-value)	Other specifications			
nil				
R1.16 (or R1.70 including construction)				
R1.30 (or R1.70 including construction)				

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