# **BASIX** Certificate

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

## Alterations and Additions

Certificate number: A461409

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, 09, June 2023

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



Project address	
Project name	Ainsworth Palm Beach
Street address	5 Northview Road Palm Beach 2108
Local Government Area	Northern Beaches Council
Plan type and number	Deposited Plan 584675
Lot number	2
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: Brooke Aitken Design

ABN (if applicable): 37180134692

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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 2843 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	<b>✓</b>	<b>~</b>	<b>✓</b>
The applicant must configure the rainwater tank to collect rainwater runoff from at least 293 square metres of roof area.		<b>✓</b>	✓
The applicant must connect the rainwater tank to a tap located within 10 metres of the edge of the pool.		<b>✓</b>	✓
Outdoor swimming pool			
The swimming pool must be outdoors.	<b>✓</b>	~	<b>✓</b>
The swimming pool must not have a capacity greater than 80 kilolitres.	<b>✓</b>	✓	<b>✓</b>
The applicant must install a pool pump timer for the swimming pool.		<b>✓</b>	<b>✓</b>
The applicant must not incorporate any heating system for the swimming pool that is part of this development.		<b>✓</b>	<b>✓</b>

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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.		<b>V</b>	<b>✓</b>

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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 altered the table below, except that a) additional insulation is not required for parts of altered construction	<b>~</b>	<b>✓</b>	<b>✓</b>		
Construction	Additional insulation required (R-value)	Other specifications			
flat ceiling, pitched roof	ceiling: R1.95 (up), roof: foil backed blanket (55 mm)	medium (solar absorptance 0.475 - 0.70)			
raked ceiling, pitched/skillion roof: framed	ceiling: R2.24 (up), roof: foil backed blanket (55 mm)	medium (solar absorptance 0.475 - 0.70)			

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Glazing requ	irements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows and	d glazed do	ors							
					nading devices, in accordance with each window and glazed door.	the specifications listed in the table below.	<b>✓</b>	<b>✓</b>	<b>~</b>
The following r	equirements i	must also	be satisfi	ed in relation	to each window and glazed door:			<b>✓</b>	✓
Each window of have a U-value must be calculated only. Alternative	and a Solar		✓	<b>✓</b>					
					each eave, pergola, verandah, bal han 2400 mm above the sill.	cony or awning must be no more than 500 mm	✓	<b>✓</b>	✓
For projections least that show			he ratio of	f the projection	on from the wall to the height above	the window or glazed door sill must be at	<b>✓</b>	<b>✓</b>	✓
Pergolas with p	oolycarbonate	roof or s	imilar trar	slucent mate	erial must have a shading coefficien	t of less than 0.35.		✓	✓
External louvre	s and blinds i	must fully	shade the	e window or	glazed door beside which they are	situated when fully drawn or closed.		<b>✓</b>	✓
					e window or glazed door above which which must not be more than 50 mm.	ch they are situated, unless the pergola also		<b>✓</b>	<b>✓</b>
Overshadowing specified in the					at and distance from the centre and	the base of the window and glazed door, as	✓	<b>✓</b>	<b>✓</b>
Windows a	nd glazed o	doors g	lazing r	equireme	nts				
Window / door no.	Orientation	Area of glass inc. frame (m2)	Oversha Height (m)	Distance (m)	Shading device	Frame and glass type			
WD05	NW	1.8	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD06	NW	1.8	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			

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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	Oversha		Shading device	Frame and glass type			
110.		inc. frame (m2)	Height (m)	Distance (m)					
WD07	NW	4.3	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD08	NW	4.3	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD09	NW	4.3	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD10	NW	4.3	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD11	NE	4.4	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD12	NE	4.4	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD13	NE	1.9	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD14	NE	1.7	0	0	external louvre/blind (adjustable)	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD15	NE	3.5	0	0	external louvre/blind (adjustable)	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD16	NE	1.8	0	0	external louvre/blind (adjustable)	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD17	NE	2.6	0	0	external louvre/blind (adjustable)	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD18	SE	1.7	0.2	5	projection/height above sill ratio >=0.36	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD19	SE	1.9	0.2	5	projection/height above sill ratio >=0.36	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			

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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)					
WD20	SE	0.6	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD21	SE	0.6	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD22	SE	1.9	0.2	5	projection/height above sill ratio >=0.36	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD23	SE	1.8	0.2	5	projection/height above sill ratio >=0.36	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD24	SW	0.6	3.9	5.7	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD25	SW	1.8	3.9	5.7	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD26	SW	1.8	3.9	5.7	eave/verandah/pergola/balcony >=900 mm	standard aluminium, toned/air gap/clear, (U-value: 5.31, SHGC: 0.48)			
WD27	SW	0.8	3.9	5.7	eave/verandah/pergola/balcony >=900 mm	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.