BASIX[°]Certificate

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

Alterations and Additions

Certificate number: A1777402

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 Definitions" dated 10/09/2020 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary

Date of issue: Thursday, 12 December 2024 To be valid, this certificate must be lodged within 3 months of the date of issue.



Project address Project name 15 Playfair Rd, Curl Curl 15 PLAYFAIR Road NORTH CURL CURL 2099 Street address Local Government Area Northern Beaches Council Plan type and number Deposited Plan DP13900 23 Lot number Section number -**Project type** Dwelling type Dwelling house (detached) Type of alteration and addition The estimated development cost for my renovation work is \$50,000 or more, and does not include a pool (and/or spa). N/A N/A Certificate Prepared by (please complete before submitting to Council or PCA) Name / Company Name: Taylor Smith Consulting ABN (if applicable): 71860738382

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.		~	

Construction	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check		
Insulation requirements					
The applicant must construct the new or alte listed in the table below, except that a) addit insulation specified is not required for parts	~	~	~		
Construction	Additional insulation required (R- value)	Other specifications			
suspended floor with enclosed subfloor: framed (R0.7).	R0.60 (down) (or R1.30 including construction)	N/A			
external wall: framed (weatherboard, fibro, metal clad)	R1.30 (or R1.70 including construction)				
internal wall shared with garage: plasterboard (R0.36)	nil				
flat ceiling, pitched roof	ceiling: R1.95 (up), roof: foil backed blanket (55 mm)	medium (solar absorptance 0.475 - 0.70)			

Glazing requirements	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows and glazed doors	-		
The applicant must install the windows, glazed doors and shading devices, in accordance with the specifications listed in the table below. Relevant overshadowing specifications must be satisfied for each window and glazed door.	~	~	~
The following requirements must also be satisfied in relation to each window and glazed door:		~	~
Each window or glazed door with standard aluminium or timber frames and single clear or toned glass may either match the description, or, have a U-value and a Solar Heat Gain Coefficient (SHGC) no greater than that listed in the table below. Total system U-values and SHGCs must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions.		~	~
Each window or glazed door with improved frames, or pyrolytic low-e glass, or clear/air gap/clear glazing, or toned/air gap/clear glazing must have a U-value and a Solar Heat Gain Coefficient (SHGC) no greater than that listed in the table below. Total system U-values and SHGCs must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions. The description is provided for information only. Alternative systems with complying U-value and SHGC may be substituted.		~	~
For projections described in millimetres, the leading edge of each eave, pergola, verandah, balcony or awning must be no more than 500 mm above the head of the window or glazed door and no more than 2400 mm above the sill.	~	~	~
For projections described as a ratio, the ratio of the projection from the wall to the height above the window or glazed door sill must be at least that shown in the table below.	~	~	~
Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.		~	~
Pergolas with fixed battens must have battens parallel to the window or glazed door above which they are situated, unless the pergola also shades a perpendicular window. The spacing between battens must not be more than 50 mm.		~	~
Overshadowing buildings or vegetation must be of the height and distance from the centre and the base of the window and glazed door, as specified in the 'overshadowing' column in the table below.	~	~	~

Glazing requir	ements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows and gla	zed doors glazing	g requirements							
Window/door number	Orientation	Area of glass including frame (m2)	Overshadowing height (m)	Overshadowing distance (m)	Shading device	Frame and glass type			
W1	NW	3.69	4.26	6	eave/ verandah/ pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U- value: 5.7, SHGC: 0.47)			
W2	NW	3.69	0	0	eave/ verandah/ pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U- value: 5.7, SHGC: 0.47)			
W3	NW	2.04	0	0	eave/ verandah/ pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U- value: 5.7, SHGC: 0.47)			
W4	NE	6.66	0	0	eave/ verandah/ pergola/balcony >=600 mm	standard aluminium, single pyrolytic low-e, (U- value: 5.7, SHGC: 0.47)			
W5	NE	10.27	0	0	projection/ height above sill ratio >=0.43	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			

Glazing require	ements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Window/door number	Orientation	Area of glass including frame (m2)	Overshadowing height (m)	Overshadowing distance (m)	Shading device	Frame and glass type			
W6	NW	4.35	0	0	projection/ height above sill ratio >=0.43	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
W7	NE	9.75	0	0	projection/ height above sill ratio >=0.23	improved aluminium, single pyrolytic low-e, (U- value: 4.48, SHGC: 0.46)			
W8	NE	4.91	0	0	eave/ verandah/ pergola/balcony >=450 mm	improved aluminium, single pyrolytic low-e, (U- value: 4.48, SHGC: 0.46)			
W9	SE	1.8	0	0	eave/ verandah/ pergola/balcony >=600 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
W10	SE	1.8	0	0	eave/ verandah/ pergola/balcony >=600 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			

Glazing requir	ements	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check					
Windows and glazed doors glazing requirements									
Window/door number	Orientation	Area of glass including frame (m2)	Overshadowing height (m)	Overshadowing distance (m)	Shading device	Frame and glass type			
W11	SE	1.73	0	0	eave/ verandah/ pergola/balcony >=600 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
W12	SE	1.64	0	0	eave/ verandah/ pergola/balcony >=600 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			

Glazing requirements	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check			
Skylights					'	
The applicant must install th	ne skylights in accordance with the spec	cifications listed in the table	below.	~	~	~
The following requirements	must also be satisfied in relation to eac	h skylight:			~	~
Each skylight may either ma listed in the table below.	atch the description, or, have a U-value	and a Solar Heat Gain Coe	fficient (SHGC) no greater than that		~	~
Skylights glazing requirer	nents					
Skylight number	Area of glazing inc. frame (m2)	Shading device	Frame and glass type			
S1	0.48	no shading	timber, low-E internal/argon fill/clear external, (or U-value: 2.9, SHGC: 0.456)			
S2	0.48	no shading	timber, low-E internal/argon fill/clear external, (or U-value: 2.9, SHGC: 0.456)			
S3	0.48	no shading	timber, low-E internal/argon fill/clear external, (or U-value: 2.9, SHGC: 0.456)			
S4	0.94	no shading	timber, low-E internal/argon fill/clear external, (or U-value: 2.9, SHGC: 0.456)			
S5	0.94	no shading	timber, low-E internal/argon fill/clear external, (or U-value: 2.9, SHGC: 0.456)			

Legend

In these commitments, "applicant" means the person carrying out the development.

Commitments identified with a V 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 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.

Commitments identified with a V 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.