

BASIX[®] Certificate

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

Alterations and Additions

Certificate number: A454564_04

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, November 2022

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



Description of project

Project address	
Project name	MATTHEWS + DUFFY_04
Street address	53 DENISON Street MUDGEEE 2850
Local Government Area	Mid-Western Regional Council
Plan type and number	Deposited Plan 794928
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).

Certificate Prepared by (please complete before submitting to Council or PCA)
Name / Company Name: Habitat Designs & Drafting
ABN (if applicable): 61989364458

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 altered construction (floor(s), walls, and ceilings/roofs) in accordance with the specifications listed in the table below, except that a) additional insulation is not required where the area of new construction is less than 2m², b) insulation specified is not required for parts of altered construction where insulation already exists.

Construction	Additional insulation required (R-value)	Other specifications	✓	✓	✓
concrete slab on ground floor.	nil				
external wall: single skin autoclaved aerated concrete (AAC) (AAC: 75 mm)	R1.03 (or R1.70 including construction)				
flat ceiling, pitched roof	ceiling: R2.25 (up), roof: foil/sarking	light (solar absorptance < 0.475)			

Glazing requirements

Show on
DA PlansShow on
CC/CDC
Plans &
specsCertifier
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.

External louvres and blinds must fully shade the window or glazed door beside which they are situated when fully drawn or closed.

Windows and glazed doors glazing requirements

Window / door no.	Orientation	Area of glass inc. frame (m ²)	Overshadowing		Shading device	Frame and glass type			
			Height (m)	Distance (m)					
W1	W	1.98	0	0	external louvre/blind (adjustable)	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
W2	W	1.98	0	0	external louvre/blind (adjustable)	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
W3	S	1.08	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
W4	S	3.68	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
W5	E	2.56	0	0	none	aluminium: thermally broken, double Lo-T solar/air gap/clear, (U-value: 3.1, SHGC: 0.27)			

Glazing requirements

Window / door no.	Orientation	Area of glass inc. frame (m ²)	Overshadowing		Shading device	Frame and glass type	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
			Height (m)	Distance (m)					
W6	E	0.72	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
D1	W	6.5	0	0	external louvre/blind (adjustable)	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
D2	S	6.5	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
D3	S	3.2	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			

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.