

BASIX[®]Certificate

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

Alterations and Additions

Certificate number: A392714

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: Tuesday, 27, October 2020

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



Planning,
Industry &
Environment

Description of project

| Project address | |
|---------------------------------|---|
| Project name | Marston/Farrar |
| Street address | 43 Pittwater Road Manly 2095 |
| Local Government Area | Northern Beaches Council |
| Plan type and number | Deposited Plan DP233249 |
| Lot number | Lot 4 |
| Section number | |
| Project type | |
| Dwelling type | Attached 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: Marston Architects

ABN (if applicable): 003559091

| 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 2m ² , b) insulation specified is not required for parts of altered construction where insulation already exists. | | | ✓ | ✓ | ✓ |
| Construction | Additional insulation required (R-value) | Other specifications | | | |
| suspended floor with open subfloor: framed (R0.7). | R0.8 (down) (or R1.50 including construction) | | | | |
| floor above existing dwelling or building. | nil | | | | |
| external wall: framed (weatherboard, fibro, metal clad) | R1.30 (or R1.70 including construction) | | | | |
| raked ceiling, pitched/skillion roof: framed | ceiling: R1.50 (up), roof: foil backed blanket (55 mm) | light (solar absorptance < 0.475) | | | |
| flat ceiling, flat roof: framed | ceiling: R1.40 (up), roof: foil backed blanket (55 mm) | light (solar absorptance < 0.475) | | | |

| Glazing requirements | | | | | | | Show on DA Plans | Show on CC/CDC Plans & specs | Certifier Check |
|--|-------------|-------------------------------|---------------|--------------|------------------------------------|--|---------------------|---------------------------------------|--------------------|
| Windows and glazed doors | | | | | | | | | |
| <p>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.</p> <p>The following requirements must also be satisfied in relation to each window and glazed door:</p> <p>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.</p> <p>External louvres and blinds must fully shade the window or glazed door beside which they are situated when fully drawn or closed.</p> <p>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.</p> | | | | | | | ✓ | ✓ | ✓ |
| Windows and glazed doors glazing requirements | | | | | | | | | |
| Window / door no. | Orientation | Area of glass inc. frame (m2) | Overshadowing | | Shading device | Frame and glass type | | | |
| | | | Height (m) | Distance (m) | | | | | |
| W1 | E | 0.85 | 6 | 1.2 | none | timber or uPVC, single clear, (or U-value: 5.71, SHGC: 0.66) | | | |
| W2 | W | 8 | 8 | 5 | none | timber or uPVC, single clear, (or U-value: 5.71, SHGC: 0.66) | | | |
| W3 | W | 5.8 | 0 | 0 | external louvre/blind (adjustable) | standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75) | | | |
| W4 | N | 3.6 | 0 | 0 | external louvre/blind (adjustable) | standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75) | | | |
| Skylights | | | | | | | | | |
| <p>The applicant must install the skylights in accordance with the specifications listed in the table below.</p> <p>The following requirements must also be satisfied in relation to each skylight:</p> | | | | | | | ✓ | ✓ | ✓ |

| Glazing requirements | | | | Show on DA Plans | Show on CC/CDC Plans & specs | Certifier Check |
|---|------------------------------------|----------------|--|---------------------|---|---|
| Each skylight 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. | | | | |  |  |
| Skylights glazing requirements | | | | | | |
| Skylight number | Area of glazing inc. frame (m2) | Shading device | Frame and glass type | | | |
| S1 | 0.36 | no shading | aluminium, moulded plastic single clear, (or U-value: 6.21, SHGC: 0.808) | | | |

| 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. |