

# BASIX<sup>®</sup>Certificate

Building Sustainability Index [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

## Alterations and Additions

Certificate number: A399004\_03

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](http://www.basix.nsw.gov.au)

This certificate is a revision of certificate number A399004 lodged with the consent authority or certifier on 19 Dec 2020 with application DA2020/1647.

It is the responsibility of the applicant to verify with the consent authority that the original, or any revised certificate, complies with the requirements of Sch 1 Cl 2A, 4A or 6A of the Environmental Planning and Assessment Regulation 2000

Secretary

Date of issue: Monday, 13, December 2021

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                    | 55 Carefree Rd, Nth Narrabeen_03  |
| Street address                  | 55 Carefree Road North Narrabeen 2101   |
| Local Government Area           | Northern Beaches Council  |
| Plan type and number            | Deposited Plan 11547  |
| Lot number                      | 20  |
| 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: GRS Building Reports

ABN (if applicable): 33 077 900 497

| Fixtures and systems   | Show on<br>DA Plans | Show on<br>CC/CDC<br>Plans &<br>specs | Certifier<br>Check |
|--|---------------------|---------------------------------------|--------------------|
| <b>Lighting</b>  |                     |                                       |                    |
| 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>Fixtures</b>  |                     |                                       |                    |
| 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<br>DA Plans | Show on<br>CC/CDC<br>Plans &<br>specs | Certifier<br>Check |
|---|--|---|---------------------|---------------------------------------|--------------------|
| <b>Insulation requirements</b>  |  |   |                     |                                       |                    |
| 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 <sup>2</sup> , 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 enclosed subfloor: framed (R0.7).  | R0.60 (down) (or R1.30 including construction) |   |                     |                                       |                    |
| floor above existing dwelling or building.  | nil  |   |                     |                                       |                    |
| 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: R3.00 (up), roof: foil/sarking        | medium (solar absorptance 0.475 - 0.70) |                     |                                       |                    |

| Glazing requirements  |             |   |               |                 |                                    |  | Show on<br>DA Plans | Show on<br>CC/CDC<br>Plans &<br>specs | Certifier<br>Check |
|---|-------------|---|---------------|-----------------|------------------------------------|--|---------------------|---------------------------------------|--------------------|
| <b>Windows and glazed doors</b>   |             |   |               |                 |                                    |  |                     |                                       |                    |
| <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> |             |   |               |                 |                                    |  | ✓                   | ✓                                     | ✓                  |
| <b>Windows and glazed doors glazing requirements</b>  |             |   |               |                 |                                    |  |                     |                                       |                    |
| Window / door<br>no.  | Orientation | Area of<br>glass<br>inc.<br>frame<br>(m2) | Overshadowing |                 | Shading device                     | Frame and glass type   |                     |                                       |                    |
|   |             |   | Height<br>(m) | Distance<br>(m) |                                    |  |                     |                                       |                    |
| W7  | E           | 1.65                                      | 0             | 0               | external louvre/blind (adjustable) | standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75) |                     |                                       |                    |
| W8  | S           | 7.56                                      | 0             | 0               | none                               | standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75) |                     |                                       |                    |
| D2  | S           | 13.86                                     | 0             | 0               | none                               | standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75) |                     |                                       |                    |
| D3  | E           | 5.04                                      | 0             | 0               | external louvre/blind (adjustable) | standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75) |                     |                                       |                    |
| W9  | S           | 3.84                                      | 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.   |