

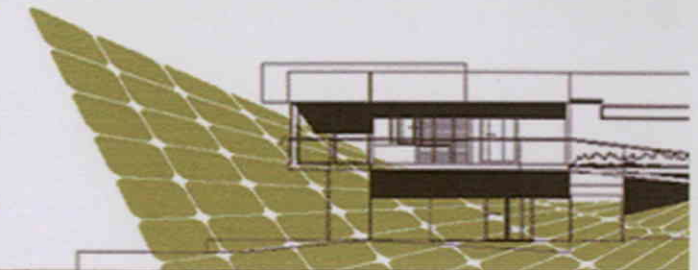
Certificate number: 6847

### Schedule of BASIX Commitments

These commitments regulate how the proposed development is to be carried out. It is a condition of any development consent granted or complying development certificate issued for the proposed development that BASIX commitments be complied with.

| Commitments  | DA plans | CDC/CC plans & specifications | Certifier check |
|--|----------|-------------------------------|-----------------|
| <b>LANDSCAPE</b>   |          |                               |                 |
| <b>Landscaping</b>   |          |                               |                 |
| The applicant must plant at least 36 square metres of indigenous vegetation on the site. Vegetation is indigenous if it is listed in the BASIX Specification as indigenous to the local government area in which the development is to be constructed. | ✓        | ✓                             |                 |
| <b>STORMWATER</b>  |          |                               |                 |
| <b>Collection of rainwater and stormwater</b>  |          |                               |                 |
| The applicant must install a rainwater tank on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.  | ✓        | ✓                             | ✓               |
| <b>Rainwater tank</b>  |          |                               |                 |
| The applicant must configure the rainwater tank to collect rain runoff from at least 155 square metres of the roof area of the dwelling.   |          | ✓                             | ✓               |
| The applicant must connect the rainwater tank to all the toilets in the development, so that rainwater can be used for toilet flushing.  |          | ✓                             | ✓               |
| The applicant must connect the rainwater tank to the cold water tap that supplies each clothes washing machine in the development, so that rainwater can be used for clothes washing.  |          | ✓                             | ✓               |
| The applicant must connect the rainwater tank to at least one outdoor tap in the development so that rainwater can be used to irrigate vegetated areas of the site.  |          | ✓                             | ✓               |
| The rainwater tank must have a capacity of at least 5000 litres.   | ✓        | ✓                             | ✓               |
| <b>WATER</b>   |          |                               |                 |
| <b>Showerheads</b>   |          |                               |                 |
| The applicant must install showerheads with a minimum rating of 3A in all showers in the development.  |          | ✓                             | ✓               |
| <b>Toilets</b>   |          |                               |                 |
| The applicant must install a toilet flushing system with a minimum rating of 3A in each toilet in the development.   |          | ✓                             | ✓               |
| <b>Tap fittings</b>  |          |                               |                 |
| The applicant must install taps with a minimum flow rate of 3A in the kitchen in the development.  |          | ✓                             |                 |
| The applicant must install bathroom taps (other than showerheads) with a minimum flow rate of 3A in each bathroom in the development.  |          | ✓                             |                 |
| <b>Swimming pool and spa</b>   |          |                               |                 |
| The swimming pool must not have a volume greater than 32.4 kL.   | ✓        | ✓                             |                 |
| The swimming pool must have a pool cover.  |          | ✓                             |                 |

# BASIX Certificate



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

Certificate number: 6847

### Description of project

#### Project address and type

|                       |   |
|-----------------------|---|
| Project name          | 13 Bruce St                                 |
| Street number         | 13  |
| Street name           | Bruce Street                                |
| Suburb                | Warriewood                                  |
| Post code             | 2102  |
| Local Government Area | Pittwater Council                           |
| Deposited Plan number | 15762                                       |
| Strata Plan number    |   |
| Lot number            | 10  |
| Section               |   |
| Project type          | Detached dwelling                           |
| Nature of project     | Rebuilding an existing residential building |

#### Project details

|  |                |                         |
|--|----------------|-------------------------|
| Site area                                  | 525.7          | m <sup>2</sup>          |
| Gross floor area                           | 253            | m <sup>2</sup>          |
| Roof area                                  | 229            | m <sup>2</sup>          |
| Number of bedrooms                         | 3              |                         |
| Total area of vegetation (garden and lawn) | 240            | m <sup>2</sup>          |
| ABSA Certificate Number (if applicable)    | 54839583       |                         |
| Net conditioned floor area                 | 253            | m <sup>2</sup>          |
| Concession claimed                         | not applicable |                         |
| Cooling load                               | 49.0           | MJ/m <sup>2</sup> /year |
| Heating load                               | 59.0           | MJ/m <sup>2</sup> /year |
| Total cooling and heating load             | 108.0          | MJ/m <sup>2</sup> /year |

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 25 June 2004, published by DIPNR. This document is available at [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

Director-General

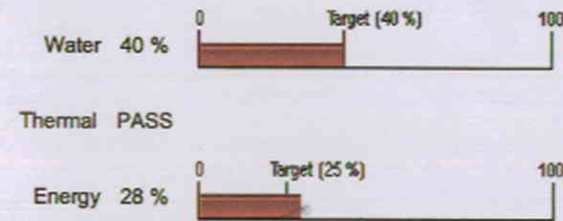
Date of issue: Mon Oct 18 11:51:15 EST 2004

| Commitments   | DA plans | CDC/CC plans & specifications | Certifier check |
|---|----------|-------------------------------|-----------------|
| <b>THERMAL COMFORT - Simulation Method</b>  |          |                               |                 |
| <b>General</b>  |          |                               |                 |
| The applicant must attach certificate no. 54839583 (the 'Assessor certificate') to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, then to that application).   |          |                               |                 |
| The Assessor certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol. The details on the Assessor certificate must be consistent with the details shown in this BASIX certificate. The applicant must attach the Assessor certificate to this BASIX certificate.  |          |                               |                 |
| The applicant must construct the development in accordance with the requirements set out in the Assessor certificate and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate the values shown in the Assessor certificate.<br>(For the purposes of complying with this commitment, terms used in the Assessor certificate have the meanings given to those terms in the BASIX Specification.) |          | ✓                             | ✓               |
| <b>Energy</b>   |          |                               |                 |
| <b>Active cooling</b>   |          |                               |                 |
| The applicant must install a single phase a/c system - 4 Star, or one with a higher Star rating, for living areas of the dwelling.  | ✓        | ✓                             | ✓               |
| The applicant must install a single phase a/c system - 4 Star, or one with a higher Star rating, for the bedrooms of the dwelling.  | ✓        | ✓                             | ✓               |
| <b>Active heating</b>   |          |                               |                 |
| The applicant must install a single phase a/c system - 4 Star, or one with a higher Star rating, for living areas of the dwelling.  | ✓        | ✓                             | ✓               |
| The applicant must install a single phase a/c system - 4 Star, or one with a higher Star rating, for the bedrooms of the dwelling.  | ✓        | ✓                             | ✓               |
| <b>Hot water</b>  |          |                               |                 |
| The applicant must install the following hot water system in the development: solar (gas boosted).  | ✓        | ✓                             | ✓               |
| <b>Lighting</b>   |          |                               |                 |
| The applicant must install a window in the kitchen of the dwelling for natural lighting.  | ✓        | ✓                             | ✓               |
| The applicant must install a window in each bathroom and toilet in the development for natural lighting.  | ✓        | ✓                             | ✓               |
| <b>Cooking</b>  |          |                               |                 |
| The applicant must install a gas cooktop & electric oven in the kitchen of the dwelling.  |          | ✓                             |                 |
| <b>Swimming pool and spa</b>  |          |                               |                 |
| The applicant must install a timer for each swimming pool and spa pump in the development.  |          | ✓                             |                 |
| The applicant must install the following heating system for the swimming pool in the development: gas   |          | ✓                             |                 |
| <b>Design enhancements</b>  |          |                               |                 |
| The applicant must construct each refrigerator space in the development so that it is well ventilated, as defined in the BASIX Specification.   |          | ✓                             |                 |
| The applicant must install a fixed outdoor clothes drying line as part of the development.  |          | ✓                             |                 |
| <b>END BASIX COMMITMENTS</b>  |          |                               |                 |

1. In these commitments, "applicant" means the person carrying out the development.
2. Commitments identified with a ✓ in the "DA plans" column must be shown on the plans accompanying the development application for the proposed development.
3. Commitments identified with a ✓ in the "CC/CDC plans and specifications" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.
4. Commitments identified with a ✓ in the "OC" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate for the development may be issued.

**BASIX Report**

The following scores have been achieved for this development:



|        | Score | Appliance score | Total |
|--------|-------|-----------------|-------|
| Water  | 40    | 0.0             | 40    |
| Energy | 28    | 0.0             | 28    |

These scores are based on the following commitments relating to appliances:

| Appliance Selections                    |
|---|
| No appliance commitments have been made |
| <b>END APPLIANCE SELECTIONS</b>         |