



Assessor Certificate

Single Dwelling



Certificate Version 6.1.1. Prior versions not valid after 1 March 2006
Issued in Accordance with the requirements of
BASIX THERMAL COMFORT - Simulation Method

| | | | |
|---------------------------------|---------------------------------------|-----------------|-------------------------|
| Assessor | | | |
| Name: | Rachel Clarke | Company: | BUILDING SUSTAINABILITY |
| Address: | 79 Richmond Avenue ST IVES NSW 2075 | | |
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| Email: | rclarke@buildingsustainability.com.au | | |
| Declaration of interest: | None | | |

| | | | |
|-----------------|--|-----------------|-----------------|
| Client | | | |
| Name: | Emma Smith | Company: | Eden Brae Homes |
| Address: | PO Box 7210 BAULKHAM HILLS DC NSW 2153 | | |
| Phone: | | Fax: | |
| Email: | | | |

| | | | |
|-------------------|--|-------------|----------------------|
| Project | | | |
| Address: | Lot 1170 Bartlett Place PENRITH NSW 2750 | | |
| Lot / DP: | / | LGA: | Penrith City Council |
| Applicant: | | | |

| | | | | | |
|-------------------|----------|--------------------|---------|----------------------|-----------|
| Assessment | | | | | |
| Date: | | Job ID: | 1209184 | Filename: | AR1209184 |
| Run # | | Base Design | | | |
| Software: | AccuRate | Version: | 1.1.4.1 | Climate Zone: | 28 |

Referenced documents

All details upon which this Assessment has been based, are included in the project documentation which has been stamped and signed by the Assessor issuing this Certificate, as detailed below:

| | |
|--|---|
| Thermal Performance Specification / Commitments attached and affixed to drawings, page | 4 |
| Drawings: A18823 (Job No. 0016307) | |

Specifications:

| | | | |
|----------------------------------|-------------------------|------------------------------|--------------------------|
| ABSA Assessor Certificate | Assessor # 20824 | Certificate #39370550 | Issued:20/09/2012 |
|----------------------------------|-------------------------|------------------------------|--------------------------|

THERMAL COMFORT - Simulation Method

The details must be entered into your BASIX Assessment

| | | | |
|-----------------------------------|-----|-------------------------------------|----|
| Area calculations (M2) | | | |
| Net Conditioned Floor Area | 135 | Net Unconditioned Floor Area | 18 |

| | |
|--|------|
| Concessions / Ventilation Bonus | |
| Eligible Concessions: | None |

The dwelling has the required shading to qualify for BASIX cross ventilation bonus: N/A

Predicted annual energy loads

| | |
|---------------------|------------|
| Heating: | 72 |
| Cooling: | 52 |
| (sensible + latent) | |
| Total: | 124 |



Thermal Performance Specifications - BASIX THERMAL COMFORT - Simulation Method

These are the Specifications upon which the Certified Assessment is based. If details included in these Specifications vary from other drawings or written specifications, these Specifications shall take precedence. If only one specification option is detailed for a building element, that specification must apply to all instances of that element for the project. If alternate specifications are detailed for a building element, the location and extent of alternate specifications must be detailed below and / or clearly indicated on referenced documents.

| Windows | Product ID | Glass | Frame | U value | SHGC | Area M2 | Detail |
|---------|------------|--------------|-----------|---------|------|---------|------------------------|
| Generic | | Single clear | Aluminium | | | 28 | As per detail on plans |
| | | | Timber | | | 2 | front door glazing |

| Skylights | Product ID | Glass | Frame | U value | SHGC | Area M2 | Detail |
|-----------|------------|-------|-------|---------|------|---------|--------|
|-----------|------------|-------|-------|---------|------|---------|--------|

Any U and SHGC values specified on Certificates Issued after 1 May 2007 are according to NFRC. All values prior to this date are ANAC. Alternate products may be used if their U value is lower, and the SHGC value is less than 10% higher or lower

| External Walls | Construction | Insulation | Colour - Solar absorptancy | Detail |
|------------------------------|--------------|------------|----------------------------|-------------------------|
| Brick Veneer Weatherboard | | R2.0 | default | unspecified wall colour |
| | | | | no insulation to garage |

| Internal walls | Construction | Insulation | Detail |
|-----------------------|--------------|------------|--------------|
| Plasterboard on Studs | | None | As per plans |

| Floors | Construction | Insulation | Covering | Detail |
|----------|--------------|-------------|--------------|--------------|
| Concrete | | waffle pods | Carpet | As per plans |
| | | | Ceramic Tile | |

| Ceilings | Construction | Insulation | Detail |
|--------------|--------------|------------|--------------------------------|
| Plasterboard | | R3.5 | insul. excl. garage & alfresco |

| Roof | Construction | Insulation | Colour - Solar absorptancy | Detail |
|---------------|--------------|-------------------|----------------------------|--------------|
| Roofing Tiles | | Foil (Sisalation) | Dark - SA > 0.7 | As per plans |

| Window cover | Internal (curtains) | External (awnings, shutters, etc) |
|--------------|---------------------|-----------------------------------|
| None | | None |

| Fixed Shading | Eaves (width - inc gutters, height above windows) | Verandahs, Pergolas (type, description) |
|---------------|---|---|
| 750 | 150 includes fascia & guttering | alfresco As per plans |
| 750 | 250 variable eaves & offset as per p | porch As per plans |
| | | pergola As per plans |

| Overshadowing | Overshadowing structures | Overshadowing trees |
|---------------|--------------------------|---------------------|
|---------------|--------------------------|---------------------|

Orientation, Exposure, Ventilation and Infiltration

Orientation of nominal north elevation 36
 Terrain category Suburban
 Roof Ventilation Unventilated
 Cross Ventilation Standard
 Subfloor Ventilation On ground
 Living area open to entry: Yes
 Living areas separated by doors: No
 Stair open to heated areas: No
 Seals to windows and doors: Yes
 Exhaust fans without dampers: No
 Ventilated skylights: No
 Open fire or unflued gas heater: No
 Vented downlights: No
 Wall and ceiling vents: No

ABSA Assessor Stamp

