



# NatHERS Certificate New Dwelling



## 5.0 Stars

### Simulation Software

Software Name BERS Pro 4.2  
Software Version Release 110811/A  
Engine Version CHENATH V2.13

### Simulation Details

Project Name 36869979\_Landcom0018028\_1  
Date 15/04/2014  
Location PENRITH PC 2750  
Climate file climat28.TXT  
Adjusted Star Rating 5.0 Stars  
Conditioned Area 147.07 m<sup>2</sup>  
Unconditioned Area 33.19 m<sup>2</sup>  
Adjusted Cooling 36.5 MJ/m<sup>2</sup>  
Adjusted Heating 73.7 MJ/m<sup>2</sup>  
Adjusted Total 110.2 MJ/m<sup>2</sup>

### Dwelling Address

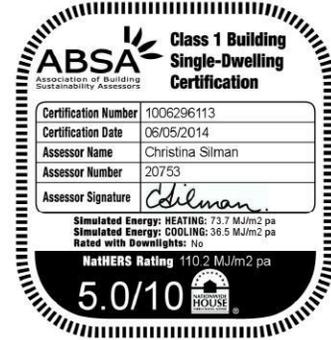
DP Number  
Unit Number  
Lot Number 2363  
House Number  
Street Name Empire Circuit  
Development Name  
Suburb PENRITH NSW 2750

### Client Details

Name Eden Brae Homes  
Phone 02 8824 3533 Fax  
Email  
Postal Address c/- Eden Brae Homes, PO BOX 6410 Baulkham Hills Business Centre NSW 2153  
Street Details

### Assessor Details

Name C Silman  
Phone 02 9421 8402 Fax  
Email csilman@csr.com.au  
Postal Address  
Street Details Level 5, Trinita 3, 39 Delhi Road NORTH RYDE NSW 2113



Signed by the Assessor.....refer to stamp above.....Date...6./...5./...14.....

*Tilted roof windows with blinds cannot be modelled using this version of BERSPro.  
All windows are modelled with Holland Blinds for regulatory purposes.*

# Building Element Details

Project 36869979\_Landcom0018028 Run 1  
PENRITH PC 2750 Lat -33.80 Long 150.70 Climate File climat28.TXT

## Summary

|                                |                      |
|--------------------------------|----------------------|
| Conditioned Area               | 147.1 m <sup>2</sup> |
| Unconditioned Area             | 33.2 m <sup>2</sup>  |
| Total Floor Area               | 180.3 m <sup>2</sup> |
| Total Glazed Area              | 33.5 m <sup>2</sup>  |
| Total External Solid door Area | 6.8 m <sup>2</sup>   |
| Glass to Floor Area            | 18.6 %               |
| Gross External Wall Area       | 227.6 m <sup>2</sup> |
| Net External Wall Area         | 187.3 m <sup>2</sup> |

## Window

|                     |             |          |               |       |      |      |
|---------------------|-------------|----------|---------------|-------|------|------|
| 33.5 m <sup>2</sup> | GGG-05-001a | Generics | Uval          | 6.57  | SHGC | 0.74 |
|                     |             | Glass    | Single Glazed | Clear |      |      |
|                     |             | Frame    | Aluminium     |       |      |      |

## External Wall

|                      |                              |                 |       |
|----------------------|------------------------------|-----------------|-------|
| 115.4 m <sup>2</sup> | Brick Veneer                 | Bulk Insulation | R 1.9 |
| 21.9 m <sup>2</sup>  | Single Skin Brick            | No Insulation   |       |
| 49.9 m <sup>2</sup>  | Cavity Panel wider than 70mm | Bulk Insulation | R 1.9 |

## Internal Wall

|                     |                              |                 |       |
|---------------------|------------------------------|-----------------|-------|
| 49.4 m <sup>2</sup> | Cavity Panel wider than 70mm | No Insulation   |       |
| 41.5 m <sup>2</sup> | Cavity Panel wider than 70mm | Bulk Insulation | R 1.9 |
| 79.1 m <sup>2</sup> | Cavity Panel 70mm gap        | No Insulation   |       |

## External Floor

|                     |                         |                             |                                       |       |
|---------------------|-------------------------|-----------------------------|---------------------------------------|-------|
| 48.9 m <sup>2</sup> | Concrete Slab on Ground | Ceramic Tiles 8mm           | Bulk Insulation in Contact with Floor | R 0.5 |
| 17.3 m <sup>2</sup> | Concrete Slab on Ground | Carpet+Rubber Underlay 18mm | Bulk Insulation in Contact with Floor | R 0.5 |
| 15.1 m <sup>2</sup> | Concrete Slab on Ground | 80/20 Carpet 10mm/Ceramic   | Bulk Insulation in Contact with Floor | R 0.5 |
| 21.8 m <sup>2</sup> | Concrete Slab on Ground | Bare                        | Bulk Insulation in Contact with Floor | R 0.5 |

## External Ceiling

|                     |              |                      |                        |
|---------------------|--------------|----------------------|------------------------|
| 96.1 m <sup>2</sup> | Plasterboard | Bulk Insulation R4.1 | Ventilated roofspace   |
| 6.9 m <sup>2</sup>  | Plasterboard | No Insulation        | Unventilated roofspace |

## Internal Floor/Ceiling

|                     |                           |                 |       |
|---------------------|---------------------------|-----------------|-------|
| 66.8 m <sup>2</sup> | Timber Above Plasterboard | No Insulation   |       |
| 14.8 m <sup>2</sup> | Timber Above Plasterboard | Bulk Insulation | R 4.1 |

## Roof (Horizontal area)

|                     |                 |  |           |               |
|---------------------|-----------------|--|-----------|---------------|
| 14.4 m <sup>2</sup> | Roof Tiles      | Foil, Gap Above, Reflective Side Down, Anti-glare Up | 20° slope | Hip roof      |
| 6.9 m <sup>2</sup>  | Corrugated Iron | Foil, Gap Above, Reflective Side Down, Anti-glare Up | 3° slope  | Skillion roof |
| 81.6 m <sup>2</sup> | Roof Tiles      | Foil, Gap Above, Reflective Side Down, Anti-glare Up | 25° slope | Hip roof      |

