# Assessor Certificate

## Multiple Dwellings

*Assessed and issued in accordance with the BASIX Thermal Comfort Protocol for the Simulation Method*

Building SustainabilityAssessments

| | | | |
|---|---|---|---|
| **Date:** | 8 November 2021 | **BSA File ref:** | **16181** |
| **Assessor** | | | |
| **Name:** | Gavin Chambers **Company:** Building Sustainability Assessments | **Assessor #:** | DMN/13/1491 |
| **Address:** | 7 William Street, HAMILTON NSW 2303 | | |
| **Phone:** | (02) 4962 3439 | **Email:** | enquiries@buildingsustainability.net.au |
| **Declaration of interest in the project design:** | None | | |
| **Project** | | | |
| **Address:** | 21 - 23 Phillips Avenue | | |
| | REGENTS PARK NSW 2143 | **Climate Zone:** | 56 |
| **Assessment** | | | |
| **Software:** | BERS Pro 4.4 **Ceiling fans used in the modelling:** | *Living areas: None, Bedrooms: None* | |
| **Documentation** | | | |

*All details, upon which this assessment has been based, are included in the project documentation that has been stamped and signed by the Assessor issuing this certificate, as identified below:*

**Drawings used for this assessment:**

(Title, Ref.#, Revision, Issue date, etc)

Barry Rush Assoicates Pty Ltd Project No. BGJF2 23/10/2021 1

**Thermal Performance Specification (copy on page 2)**

Attached to the drawings and is on page: sheet: 6 of 14


| **Thermal performance specifications** | | | **Certificate #** 0005307700 | | | **Page 1 of 2** |
|---|---|---|---|---|---|---|
| **Unit No.** | **Floor Areas** | | **Predict. loads (MJ/M²/y)** | | **Star Rating** | **Basix Floor Type and Area m²** |
| | **Cond.** | **Uncond.** | **Heat** | **Cool** | | |
| 1 | 65 | 9 | 38 | 6 | 6.6 | |
| 2 | 66 | 8 | 41 | 6 | 6.4 | |
| 3 | 48 | 8 | 35 | 11 | 6.4 | |
| 4 | 48 | 8 | 40 | 9 | 6.1 | |
| 5 | 75 | 0 | 10 | 6 | 8.9 | |
| 6 | 54 | 9 | 16 | 10 | 8.1 | |
| 7 | 65 | 9 | 34 | 10 | 6.6 | |
| 8 | 66 | 8 | 36 | 11 | 6.4 | |
| 9 | 48 | 8 | 31 | 20 | 6.1 | |
| 10 | 48 | 8 | 41 | 14 | 5.7 | |
| 11 | 76 | 0 | 18 | 10 | 7.8 | |
| 12 | 52 | 9 | 24 | 12 | 7.3 | |
| | | | | | | |
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| **October 2021** | | | | **BSA Reference: 16181** |
| **Building Sustainability Assessments** | | | | **Ph: (02) 4962 3439** |
| **enquiries@buildingsustainability.net.au** | | | | **www. buildingsustainability.net.au** |
| **Important Note**<br>*The following specification was used to achieve the thermal performance values indicated on the Assessor Certificate and takes precedence over any other specification.*<br>*If different construction elements are applied then the Assessor Certificate is no longer valid.* | | | | |
| **Thermal Performance Specifications (does not apply to garage)** | | | | |
| **External Wall Construction** | | | | *Added Insulation* |
| Cavity Brick | | | | R1.0 |
| Reverse Brick Veneer (Unit 8 only) | | | | R2.0 |
| **Internal Wall Construction** | | | | *Added Insulation* |
| Brick | | | | none |
| Cavity Brick (party walls) | | | | none |
| Cavity Brick (walls adjacent to lobbies) | | | | R1.0 |
| **Ceiling Construction** | | | | *Added Insulation* |
| Plasterboard | | | | R3.5 to ceilings adjacent to roof space |
| **Roof Construction** | *Colour* | | | *Added Insulation* |
| Metal | Any | | | Foil + R1.0 blanket |
| | | | | |
| **Floor Construction** | *Covering* | | | *Added Insulation* |
| Concrete | As drawn | | | None |
| | | | | |
| **Windows** | *Glass and frame type* | *U Value* | *SHGC Range* | *Area sq m* |
| ALM-001-01 A | Aluminium Type A Single clear | *6.70* | *0.51 - 0.63* | As drawn |
| ALM-002-01 A | Aluminium Type B Single clear | *6.70* | *0.63 - 0.77* | As drawn |
| | | | | |
| *Type A windows are awning windows, bifolds, casements, tilt 'n 'turn' windows, entry doors, french doors* | | | | |
| *Type B windows are double hung windows, sliding windows & doors, fixed windows, stacker doors, louvres* | | | | |
| **Skylights** | *Glass and frame type* | *U Value* | *SHGC* | *Area sq m* |
| | | | | |
| *U and SHGC values are according to AFRC. Alternate products may be used if the U value is lower and the SHGC is within the range specified* | | | | |
| **External Window Shading** | *(eaves, verandahs, pergolas, awnings etc)* | | | |
| All shade elements modelled as drawn | | | | |
| **Ceiling Penetrations** | *(downlights, exhaust fans, flues etc)* | | | |
| No adjustment has been made for losses to insulation arising from ceiling penetrations. | | | | |