

# Assessor Certificate

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



<b>Date:</b>	17 February 2022	<b>BSA File ref:</b>	17977
<b>Assessor</b>			
<b>Name:</b>	Gavin Chambers	<b>Company:</b>	Building Sustainability Assessments
<b>Assessor #:</b>	DMN/13/1491		
<b>Address:</b>	7 William Street, HAMILTON NSW 2303		
<b>Phone:</b>	(02) 4962 3439	<b>Email:</b>	enquiries@buildingsustainability.net.au
<b>Declaration of interest in the project design:</b>	None		
<b>Project</b>			
<b>Address:</b>	8 Grey Street CLARENCE TOWN NSW 2321		
<b>Assessment</b>			
<b>Software:</b>	BERS Pro 4.4		
<b>BERS File Run Ref:</b>	17977 - R_3		
<b>Documentation</b>			
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:			
<b>Drawings used for this assessment:</b> (Title, Ref.#, Revision, Issue date, etc)			
EJE architecture Project No. 13380 13/02/2022 A			

Thermal Performance Specification (copy below) is  
attached to the drawings and is on page:

A15

January 2022		BSA Reference: 17977	
Building Sustainability Assessments		Ph: (02) 4962 3439	
enquiries@buildingsustainability.net.au		www.buildingsustainability.net.au	
<b>Important Note</b>			
The following specification was used to achieve the thermal performance values indicated on the Assessor Certificate. If the proposed construction varies to those detailed below than the Assessor and NatHERS certificates will no longer be valid. Assessments assume that the BCA provisions for building sealing & ventilation are complied with at construction.			
In NSW both BASIX & the BCA variations must be complied with, in particular the following:			
- Thermal construction in accordance with Vol 1 Section J1.2 or Vol 2 Part 3.12.1.1			
- Thermal breaks for Class 1 dwellings in accordance with Part 3.12.1.2(c) & 3.12.1.4(d)			
- Floor insulation for Class 1 dwellings as per Part 3.12.1.5(a)(ii), (iii) & (e) or (c), (d) & (e)			
- Building sealing in accordance with Section J3 or Part 3.12.3.1 to 3.12.3.6.			
<b>Thermal Performance Specifications (does not apply to garage)</b>			
<b>External Wall Construction</b>		Added Insulation	
Lightweight		R2.0	
<b>Internal Wall Construction</b>		Added Insulation	
Plasterboard on studs		None	
<b>Ceiling Construction</b>		Added Insulation	
Plasterboard		R3.5 to raked ceilings adjacent to roof space	
Plasterboard		R5.0 to ceilings adjacent to roof space to all other areas	
<b>Roof Construction</b>		Colour (Solar Absorptance)	
Metal	Any	Added Insulation	
		Foil + R1.0 blanket	
<b>Floor Construction</b>		Covering	
Concrete	As drawn (if not noted default values used)	Added Insulation	
		None	
<b>Windows</b>			
Glass and frame type	U value	SHGC Range	Area sq m
Performance glazing Type B	4.50	0.55 - 0.67	to louvres
Performance glazing Type B	4.30	0.42 - 0.52	to all other UNO
Performance glazing Type B	4.30	0.48 - 0.58	to all other UNO
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			
<b>Skylights</b>		Glass and frame type U SHGC Area sq m Detail	
U and SHGC values are according to AFRC. Alternate products may be used if the U value is lower & the SHGC is within the range specified			
<b>Shade elements</b>		(eaves, verandahs, awnings etc)	
All shade elements modelled as drawn			
<b>Ceiling Penetrations</b>		(downlights, exhaust fans, flues etc)	
Modelled as drawn and/or to comply with the ventilation and sealing requirements of the BCA			
Ducting is modelled at 150mm. No insulation losses from downlighting have been modelled.			
<b>Additional Notes</b>			
Nil			

<b>BASIX Project Details</b>		
(enter these details on the Site Details page)		
Conditioned Floor Area:	215	m <sup>2</sup>
Unconditioned Floor Area:	17	m <sup>2</sup>
<b>BASIX Thermal Comfort Details</b>		
(enter these details on the Assessor Details page)		
Assessor Number:	DMN/13/1491	
Certificate Number:	0007054927	
Climate Zone:	28	
Ceiling Fans Modelled to Living Areas:	No	Bedrooms: No
(enter these details on the Construction page)		
Concrete slab on ground:	yes	m <sup>2</sup>
Suspended floor open subfloor:	-	m <sup>2</sup>
Suspended floor enclosed subfloor:	-	m <sup>2</sup>
Suspended floor above garage:	-	
(enter these details on the Thermal Loads page)		
Heating:	54.7	(MJ/m <sup>2</sup> /annum)
Cooling:	45.5	(MJ/m <sup>2</sup> /annum)
Total:	100.2	(MJ/m <sup>2</sup> /annum)
Stars:	5.4	(NatHERS)
<b>0007054927 17 Feb 2022</b> <b>Assessor</b> Gavin Chambers <b>Accreditation No.</b> DMN/13/1491 <b>Address</b> 8 Grey Street, Clarence Town, NSW, 2321 <a href="http://www.nathers.gov.au">www.nathers.gov.au</a>		
		Scan QR code to see NatHERS Certificate ←