

Assessor Certificate

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



Date:	22 August 2019	BSA File ref:	14869
Assessor			
Name:	Gavin Chambers	Company:	Building Sustainability Assessments
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:	32 The Strand WHALE BEACH NSW 2107		
Assessment			
Software:	BERS Pro 4.3	BERS File Run Ref:	14869 - R_9
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)			
SLa Porject No. 0255 12.08.2019 B			

Thermal Performance Specification (copy below) 100.01 is attached to the drawings and is on page:

June 2019				BSA Reference: 14869			
Building Sustainability Assessments				Ph: (02) 4962 3439			
enquiries@buildingsustainability.net.au				www.buildingsustainability.net.au			
Important Note							
The following specification was used to achieve the thermal performance values indicated on the Assessor Certificate and takes precedence over any other specification. If different construction elements are applied then the Assessor Certificate is no longer valid.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 <i>Added Insulation</i>							
Lightweight				R2.7			
Core Filled Blockwork				R2.0			
Internal Wall Construction <i>Added Insulation</i>							
Plasterboard on studs				None			
Ceiling Construction <i>Added Insulation</i>							
Plasterboard		R3.5 to ceilings adj roof space and soffit of concrete roof above					
Roof Construction <i>Colour</i> <i>Added Insulation</i>							
Metal		Any		Foil + R1.0 blanket			
Concrete		Any		None			
Floor Construction <i>Covering</i> <i>Added Insulation</i>							
Concrete		As drawn		R2.0 to floors where open below			
Windows <i>Glass and frame type</i> <i>U Value</i> <i>SHGC Range</i> <i>Area sq m</i>							
Performance glazing Type A		5.40		0.44 - 0.54		To all louvres	
Performance glazing Type B		5.40		0.52 - 0.64		To all louvres	
Performance glazing Type A		4.30		0.42 - 0.52		All other UNO	
Performance glazing Type B		4.30		0.48 - 0.58		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							
Skylights <i>Glass and frame type</i> <i>U Value</i> <i>SHGC</i> <i>Area sq m</i>							
Single clear in aluminium frames				As drawn			
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 <i>(eaves, verandahs, pergolas, awnings etc)</i>							
All shade elements modelled as drawn							
Ceiling Penetrations <i>(downlights, exhaust fans, flues etc)</i>							
No adjustment has been made for losses to insulation arising from ceiling penetrations.							

BASIX Project Details <i>(enter these details on the Site Details page)</i>		
Conditioned Floor Area:	438	m ²
Unconditioned Floor Area:	20	m ²
BASIX Thermal Comfort Details <i>(enter these details on the Assessor Details page)</i>		
Assessor Number:	BDAV/13/1491	
Certificate Number:	0004145322	
Climate Zone:	56	
<i>(enter these details on the Construction page)</i>		
Concrete slab on ground:	194	m ²
Suspended floor open subfloor:	92	m ²
Suspended floor enclosed subfloor:	-	m ²
Suspended floor above garage:	-	
<i>(enter these details on the Thermal Loads page)</i>		
Heating:	41	(MJ/m ² /annum)
Cooling:	15	(MJ/m ² /annum)
Total:	56	(MJ/m ² /annum)
Stars:	5.7	(NatHERS)
Certificate no.:	0004145322	
Assessor Name:	Gavin Chambers	
Accreditation no.:	VIC/BDAV/13/1491	
Certificate date:	22 Aug 2019	
Dwelling Address:	32 The Strand Whale Beach, NSW 2107	
		www.nathers.gov.au