

Assessor Certificate


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



Date:	19 March 2021	BSA File ref:	16803
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:	168 Whale Beach Road WHALE BEACH NSW 2107		
Assessment			
Software:	BERS Pro 4.4	BERS File Run Ref:	16803 - R_12
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)			
Watershed Design Job No.200731 March 2021 G			

Thermal Performance Specification (copy below) is attached to the drawings and is on page: DA01

March 2021	BSA Reference: 16803		
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If different construction elements are applied then the Assessor Certificate is no longer valid.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	Added Insulation		
Cavity Masonry	R2.0		
Internal Wall Construction	Added Insulation		
Plasterboard on studs	None		
Masonry	R2.0 to walls adjacent to garage		
Ceiling Construction	Added Insulation		
Plasterboard	R3.0 to ceilings adjacent to roof space		
Roof Construction	Colour	Added Insulation	
Concrete	Any	None	
Floor Construction	Covering	Added Insulation	
Concrete	As drawn	R1.0 to floors where open below	
Concrete	As drawn	R1.0 to floors adjacent to garage	
Windows	Glass and frame type	U Value	SHGC Range
Performance glazing Type A		4.50	0.42 - 0.52
ALS-070-04		2.54	0.38
Performance glazing Type A		3.10	0.35 - 0.43
Performance glazing Type B		3.10	0.44 - 0.54
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
Double glazed 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	(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.			
Ceiling Fans used in the Modelling and to be installed in the following areas			
Living areas = None, Bedrooms = None			

BASIX Project Details (enter these details on the Site Details page)		
Conditioned Floor Area:	493	m ²
Unconditioned Floor Area:	41	m ²
BASIX Thermal Comfort Details (enter these details on the Assessor Details page)		
Assessor Number:	DMN/13/1491	
Certificate Number:	0005800172	
Climate Zone:	56	
Ceiling Fans Modelled to Living Areas:	No	Bedrooms: No
(enter these details on the Construction page)		
Concrete slab on ground:	302	m ²
Suspended floor open subfloor:	26	m ²
Suspended floor enclosed subfloor:	-	m ²
Suspended floor above garage:	Yes	
(enter these details on the Thermal Loads page)		
Heating:	39.7	(MJ/m ² /annum)
Cooling:	23.9	(MJ/m ² /annum)
Total:	63.6	(MJ/m ² /annum)
Stars:	5.2	(NatHERS)
 <div> <p>0005800172 19 Mar 2021</p> <p>Assessor Gavin Chambers</p> <p>Accreditation No. DMN/13/1491</p> <p>Address 168 Whale Beach Road, Whale Beach, NSW, 2107</p> <p>hstar.com.au</p> </div>		