

# Assessor Certificate

## Multiple Dwellings

Certificate Version 6.1. Prior versions not valid after 1 March 2006

Issued in accordance with  
BASIX Thermal Comfort Simulation Method.



<b>Assessor</b>			
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<b>Declaration of interest:</b>	none		
<b>Client</b>			
<b>Name:</b>	Aboriginal Housing Company (AHC)		
<b>Address:</b>	c/- Cracknell & Lonergan Architects		
<b>Phone:</b>	(02) 9565 1554	<b>Fax:</b>	(02) 9550 1224
<b>Email:</b>			
<b>Project:</b>	Pemulwuy Project		
<b>Address:</b>	Various – 108 Lawson, Redfern NSW 2019		
<b>Applicant:</b>	LGA: City of Sydney		
<b>Assessment</b>			
<b>Date:</b>	22-Oct-07	<b>File ref:</b>	pemul
<b>Software:</b>	NatHERS		<b>Version:</b>
2.32b			

### 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:

### Thermal Performance Spec:

Attached, Affixed to drawings Page#: C.A. 12

**Drawings:** (Title, Ref.#, Revision, Issue date, etc)

The Pemulwuy Project, Redfern, October 2007, C.A. 09 – CA.12

**Building Specifications:** (Title, Ref.#, Revision, Issue date, etc)



ABSA Assessor Certificate		Assessor # 20080		Certificate # 65051478		Issued: 22-Oct-07	
Thermal performance specifications						Page 1 of 3	
Unit number(s)	Certificate number	Floor area (M <sup>2</sup> )		Predict. loads (MJ/M <sup>2</sup> /y)		Concessions	Qualify for ventilation bonus
		Cond.	Uncond.	Heat	Cool (Sens & Lat)		
Building 1							
Unit 1	65051478	123.8	6.9	40.1	69.8 & 10.0	None	Yes
2	35642833	119.5	10.3	72.1	45.5 & 6.7	None	Yes
3	37205185	58.0	4.7	88.3	20.6 & 3.9	None	Yes
4	66624981	56.4	4.6	80.3	18.1 & 4.3	None	Yes
5	48013535	56.4	4.6	72.6	22.8 & 4.5	None	Yes
6	51542629	58.0	4.7	103.0	18.1 & 3.9	None	Yes
7	56174831	52.8	6.3	125.0	71.9 & 11.7	None	Yes
8	77633244	48.8	6.0	26.8	54.3 & 7.4	None	Yes
9	53143236	48.8	6.0	28.3	55.6 & 7.6	None	Yes
10	35705373	52.8	6.3	124.8	71.2 & 11.6	None	Yes
11	84775188	79.8	6.1	107.3	80.0 & 10.2	None	Yes
12	57088219	79.8	6.1	96.6	88.2 & 11.2	None	Yes



ABSA Assessor Certificate		Assessor # 20080		Certificate # 65051478		Issued: 22-Oct-07	
Thermal performance specifications						Page 2 of 3	
Unit number(s)	Certificate number	Floor area (M²)		Predict. loads (MJ/M²/y)		Concessions	Qualify for ventilation bonus
		Cond.	Uncond.	Heat	Cool (Sens & Lat)		
Building 2							
Unit 1	65051478	123.8	6.9	40.1	69.8 & 10.0	None	Yes
2	35642833	119.5	10.3	72.1	45.5 & 6.7	None	Yes
3	37205185	58.0	4.7	88.3	20.6 & 3.9	None	Yes
4	66624981	56.4	4.6	80.3	18.1 & 4.3	None	Yes
5	48013535	56.4	4.6	72.6	22.8 & 4.5	None	Yes
6	51542629	58.0	4.7	103.0	18.1 & 3.9	None	Yes
7	41252319	88.0	6.4	113.7	42.0 & 6.8	None	Yes
8	41252319	88.0	6.4	113.7	42.0 & 6.8	None	Yes
9	84775188	79.8	6.1	107.3	80.0 & 10.2	None	Yes
10	57088219	79.8	6.1	96.6	88.2 & 11.2	None	Yes
Building 3							
1	65051478	123.8	6.9	40.1	69.8 & 10.0	None	Yes
2	35642833	119.5	10.3	72.1	45.5 & 6.7	None	Yes
3	37205185	58.0	4.7	88.3	20.6 & 3.9	None	Yes
4	66624981	56.4	4.6	80.3	18.1 & 4.3	None	Yes
5	48013535	56.4	4.6	72.6	22.8 & 4.5	None	Yes
6	51542629	58.0	4.7	103.0	18.1 & 3.9	None	Yes
7	93723742	88.0	6.4	101.9	44.7 & 7.0	None	Yes
8	41252319	88.0	6.4	113.7	42.0 & 6.8	None	Yes
9	84775188	79.8	6.1	107.3	80.0 & 10.2	None	Yes
10	57088219	79.8	6.1	96.6	88.2 & 11.2	None	Yes
Building 4							
1	65051478	123.8	6.9	40.1	69.8 & 10.0	None	Yes
2	35642833	119.5	10.3	72.1	45.5 & 6.7	None	Yes
3	51542629	58.0	4.7	103.0	18.1 & 3.9	None	Yes
4	48013535	56.4	4.6	72.6	22.8 & 4.5	None	Yes
5	66624981	56.4	4.6	80.3	18.1 & 4.3	None	Yes
6	37205185	58.0	4.7	88.3	20.6 & 3.9	None	Yes
7	41252319	88.0	6.4	113.7	42.0 & 6.8	None	Yes
8	93723742	88.0	6.4	101.9	44.7 & 7.0	None	Yes
9	84775188	79.8	6.1	107.3	80.0 & 10.2	None	Yes
10	57088219	79.8	6.1	96.6	88.2 & 11.2	None	Yes
Building 5							
Unit 1	65051478	123.8	6.9	40.1	69.8 & 10.0	None	Yes
2	35642833	119.5	10.3	72.1	45.5 & 6.7	None	Yes
3	51542629	58.0	4.7	103.0	18.1 & 3.9	None	Yes
4	48013535	56.4	4.6	72.6	22.8 & 4.5	None	Yes
5	66624981	56.4	4.6	80.3	18.1 & 4.3	None	Yes
6	37205185	58.0	4.7	88.3	20.6 & 3.9	None	Yes

[illegible]



**Thermal Performance Specifications - BASIX THERMAL COMFORT - Simulation Method**

These are the Specifications upon which the Certified Assessment is based. If details included in these Specifications vary from other drawings or written specifications, these Specifications shall take precedence. If only one specification option is detailed for a building element, that specification must apply to all instances of that element for the project. If alternate specifications are detailed for a building element, the location and extent of alternate specifications must be detailed below and / or clearly indicated on referenced documents.

Windows	Product ID	Glass	Frame	U value	SHGC	Area M2	Detail
		Single clear	Aluminium				

Skylights	Product ID	Glass	Frame	U value	SHGC	Area M2
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Window and skylight U and SHGC values, if specified, are according to ANAC 2005. Alternate products or specifications may be used if their U value is lower, and the SHGC value is less than 10% higher or lower, than the U and SHGC values of the product specified above.

External walls	Construction	Insulation	Colour - Solar absorptancy	Detail
Cavity Brick		None	Medium - SA 0.475 - 0.7	

Internal walls	Construction	Insulation	Detail
Brick plastered		None	

Floors	Construction	Insulation	Covering	Detail
Concrete		None	Ceramic Tile	

Ceilings	Construction	Insulation	Detail
Concrete		None	
Plasterboard		None	

Roof	Construction	Insulation	Colour - Solar absorptancy	Detail
Tiled Concrete 100mm		None	Light -SA <0.475	

Window cover	Internal (curtains)	External (awnings, shutters, etc)
	None	None

Fixed shading	Eaves (width - inc. gutters, height above windows)	Verandahs, Pergolas (type, description)
450	0	As per detail on plans
		various - as per details on plans

Overshadowing	Overshadowing structures	Overshadowing trees
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Orientation, Exposure, Ventilation and Infiltration	
Orientation of nominal north elevation	0
Terrain category	Suburban
Roof ventilation:	Unventilated
Cross ventilation:	Standard
Subfloor ventilation:	On ground
Living area open to entry:	Yes
Living areas separated by doors:	No
Stair open to heated areas:	No
Weather seals to windows and doors:	Yes
Exhaust fans without dampers:	No
Ventilated skylights:	No
Open fireplace or unflued gas heater:	No
Vented downlights:	No
Wall and ceiling vents:	No

ABSA Assessor stamp

