

Assessor Certificate

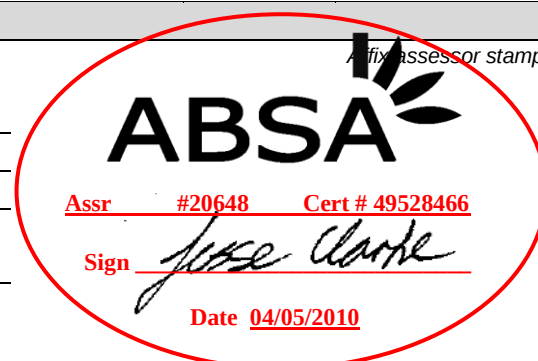
Multiple Dwellings

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

Issued in accordance with
BASIX Thermal Comfort Simulation Method.



Assessor			
Name:	Jesse Clarke	Company:	Cundall
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Email:	j.clarke@cundall.com.au		
Declaration of interest:	Applicant has provided design consultancy		
Client			
Name:	Paul Clark	Company:	LIPMAN Pty Ltd
Address:	Level 6, 66 Berry Street		
Phone:	+61 2 9955 7000	Fax:	+61 2 9955 3166
Email:	paul.clark@lipman.com.au		
Project			
Address:	128 Herring Road, Macquarie Park 2113, Lot 10, Building A		
Applicant:	Paul Clark	LGA:	Sydney City Council
Assessment			
Date:	05/05/2010	Software:	Accurate
Version:	V1.1.4.1		
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:			
A226 RevF			
Drawings:			
Plans A218 - A226, Elevations A241 - A244			



ABSA Assessor Certificate		Assessor #	20648	Certificate #	49528466	Issued: 04/05/2010	
Thermal performance specifications						Page 1 of 2	
Unit number(s)	Certificate number	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Concessions	Glazing Properties
		Cond.	Uncond.	Heat	Cool (Sens & Lat)		
0.3, 10.3	49528466	89.2	14.4	15	19.9	None	U=5.4, SHGC=0.68
0.4, 10.4	89301917	93.5	13.9	6.9	22	None	U=5.4, SHGC=0.68
0.5, 1.9, 2.9, 3.9, 4.8, 5.8, 6.8, 7.8, 8.8, 9.8, 10.5	46414144	86	14	15	20.9	None	U=5.4, SHGC=0.68
0.6, 3.1, 4.9, 5.9, 6.9, 7.9, 8.9, 9.9	89431211	92.3	26.4	15.8	24.2	None	U=5.4, SHGC=0.68
0.7, 1.12, 2.12	15427285	62.8	11.4	28.7	26.6	None	U=5.4, SHGC=0.68
0.8, 1.13, 2.13, 3.12, 4.11, 5.11, 6.11, 7.11, 8.11, 9.11	97022137	82.9	20	22.5	27.8	None	U=5.4, SHGC=0.68
1.1, 2.1, 3.1, 4.1, 5.1, 6.1, 7.1, 8.1, 9.1	83266634	51.1	7.7	20.2	26.1	None	U=5.4, SHGC=0.68
1.2, 3.2, 2.2	81823373	55.8	9	47.2	26.7	None	U=5.4, SHGC=0.68
1.3, 3.3, 2.3	71465301	50	6	27.6	25.8	None	U=5.4, SHGC=0.68

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Thermal performance specifications						Page 2 of 2	
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		Cond.	Uncond.	Heat	Cool (Sens & Lat)		
1.4, 3.4, 2.4	77712845	56.8	7	36.7	30.3	None	U=5.4, SHGC=0.68
1.5, 3.5, 2.5, 4.4, 5.4, 6.4, 7.4, 8.4, 9.4	83540250	50	7.3	9.8	18.4	None	U=5.4, SHGC=0.68
1.6, 3.6, 2.6, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5	45343706	61.5	8.9	22.6	17	None	U=5.4, SHGC=0.68
1.7, 3.7, 2.7, 4.6, 5.6, 6.6, 7.6, 8.6, 9.6	41621001	61.5	8.9	10.5	22.2	None	U=5.4, SHGC=0.68
1.8, 3.8, 2.8, 4.7, 5.7, 6.7, 7.7, 8.7, 9.7	82143985	55.3	7.3	11.4	26.3	None	U=5.4, SHGC=0.68
1.10, 2.1	51852762	57.8	8.8	15.8	24.2	None	U=5.4, SHGC=0.68
1.11, 2.11, 3.11, 4.11, 5.11, 6.11, 7.11, 8.11, 9.11	43521211	50.1	8	30.8	28.1	None	U=5.4, SHGC=0.68
4.2, 5.2, 6.2, 7.2, 8.2, 9.2	99564584	80.1	12	41.4	16.3	None	U=5.4, SHGC=0.68
4.3, 5.3, 6.3, 7.3, 8.3, 9.3	36278685	88.2	8.6	26.9	22.6	None	U=5.4, SHGC=0.68
10.1	66748068	130.6	26.1	39.6	18.8	None	U=3.4, SHGC=0.68
10.2	50458516	130.3	16.2	18	19	None	U=5.4, SHGC=0.68
10.6	76683277	84.6	15.6	23.5	26.9	None	U=5.4, SHGC=0.68
10.7	27254965	125.8	26.8	45.6	21.9	None	U=5.4, SHGC=0.68
11.1	92355283	130.6	26.3	49.9	21.7	None	U=3.4, SHGC=0.68
11.2	82881203	130.3	16.2	28	21.5	None	U=5.4, SHGC=0.68
11.3	87944249	91.1	17.4	21.8	21.8	None	U=5.4, SHGC=0.68
11.4	81743253	127.6	19.5	13.5	25.6	None	U=5.4, SHGC=0.68
11.5	75155327	151.1	16.8	26.5	30.1	None	U=5.4, SHGC=0.68
11.6	75155327	125.8	26.8	32.3	8.0	None	U=3.4, SHGC=0.68



Assessor # 20648

Certificate # 49528466

Issued: 04/05/2010

Thermal Performance Specifications

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 M ²	Detail
Typical		Clear	Aluminium	5.4	0.68	-	All
Low e		Low e	Aluminium	3.4	0.68	-	All Apartments 10.1, 11.1, 11.6

Skylights	Product ID	Glass	Frame	U value	SHGC	Area M ²	Detail
None		-	-	-	-	-	-

Window and skylight U and SHGC values, if specified, are according to NFRC 100 values. 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 abs.	Detail
Concrete		R2	Medium	As per Plans

Internal walls	Construction	Insulation	Detail
Concrete/ Plaster brd		none	As per plans

Floors	Construction	Insulation	Covering	Detail
Concrete Slab		None	Carpet (wet areas-tiles)	As per Plans

Ceilings	Construction	Insulation	Detail
Plasterboard		None	All Ceilings

Roof	Construction	Insulation	Colour – solar abs.	Detail
All Roofs –Insulated Concrete		R2	medium	As Per Plans

Window cover	Internal (curtains)	External (awnings, shutters, etc)
Holland Blinds		-

Fixed shading	Eaves (width - inc. gutters, h't above windows)	Verandas, Pergolas (type, description)
Balconies		As per Plans

Overshadowing	Overshadowing structures	Overshadowing trees

Orientation, Exposure, Ventilation and Infiltration

Orientation of nominal north:	310°
Terrain category:	Suburban
Roof ventilation:	None
Cross ventilation:	As per Plans
Subfloor:	Carpark
Living area open to entry:	Yes
Doors separate living areas:	Yes
Stair open to heated areas:	Yes
Seals to windows and doors:	Yes
Exhaust fans without dampers:	Yes
Ventilated skylights:	No
Open fire, unflued gas heat:	No
Vented downlights:	No
Wall and ceiling vents:	No

ABSA Assessor stamp

