

NatHERS Thermal Performance Certificate			
Multi-unit Residential Thermal Performance Certificate			
Issued in accordance with BASIX Thermal Comfort Simulation Method.			
Assessor Details			
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BDAV Assessor Number	BDAV 14/1654	Email:	t.beckerling@cundall.com.au
Client Details			
Name:	Aqualand	Address:	LEVEL 32 225 George Street SYDNEY NSW 2000
Company:	Aqualand	Phone:	+61 2 9252 3347
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Project Details			
Project:	Lindfield Mixed-Use Development		
Address:	23-37 Lindfield Ave, Lindfield NSW 2070		

Assessor Number BDAV 14/1654	BASIX Certificate number: 16540023	Issued: 26/02/2015
Thermal Performance Specifications		
<i>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</i>		
<u>Building Element</u>	<u>Construction</u>	<u>Additional Insulation</u>
Overhangs & shading	As per architectural plans	N/A
External Wall	Concrete block wall scheme + insulation + plasterboard internal finish	R1.5 Insulation
Internal Walls	Apartment party walls: Plasterboard on concrete block Apartment internal walls: Plasterboard on stud	N/A
Exposed roof areas	Concrete + insulation + plasterboard internal finish	R3.0 Insulation
Roof (below external balcony)	Concrete + insulation + plasterboard ceiling	R1.0 Insulation
Internal Floor	Concrete + ceramic tiles (wet areas) Concrete + Carpet with underlay (other areas)	N/A
Internal Ceiling	Plasterboard	N/A
Window*	Aluminium frame, single glazing, low-e Pop-up roof windows ventilated	U 4.75 SHGC 0.45
Skylight*	Aluminium frame, single glazing, clear Skylights ventilated	U 6.35 SHGC 0.77
Ceiling penetrations	• All exhaust fans sealed • Rated without vented downlights. Recessed downlights to be non-vented type. • Ceiling penetrations to be <0.5%	

* All U-values and SHGC values are based on AFRC figures and are figures for total glazing including frames.

Energy Rating

Certificate Number 16540023

☐ single-dwelling rating
☒ multi-unit development (attach listing of ratings)
If selected, data specified is the average across the entire development

heating 26.7 MJ/m²
 cooling 18.0 MJ/m²

Recessed downlights confirmation:
 ☐ Rated with
 ☒ Rated without

Assessor Name/Number Tom Beckerling VIC/BDAV/14/1654

Assessor Signature Date 26/02/2015

Unit number(s)	Simulated. Loads, area adjusted (MJ/M ² /y)		Floor area (M ²)		Star Rating
	Heat	Cool (Sens & Lat)	Cond.	Uncond.	
101A	29.6	18.2	76.9	0.0	6.3
102A	20.8	11.2	71.9	0.0	7.5
103A	21.4	31.3	40.5	0.0	5.9
104A	25.2	8.9	94.2	0.0	7.3
105A	38.7	11.7	61.2	0.0	5.9
106A	21.1	22.7	84.3	0.0	6.6
107A	31.9	10.5	76.8	0.0	6.7
108A	25.0	8.8	94.2	0.0	7.4
109A	22.0	31.8	40.5	0.0	5.8
110A	35.1	22.7	52.0	0.0	5.5
111A	29.8	43.6	89.0	0	4.6
112A	34.3	12.9	61.3	0	6.0
201A	27.7	19.6	76.9	0	6.3
202A	20.8	11.2	71.9	0	7.5
203A	21.0	21.4	53.5	0	6.7
204A	22.8	8.9	94.2	0	7.5
205A	31.0	12.6	61.2	0	6.4
206A	31.6	10.3	76.8	0	6.8
207A	22.1	22.7	94.3	0	6.5
208A	22.2	9.0	94.2	0	7.6
209A	27.3	14.8	53.3	0	6.7
210A	41.4	23.9	54.2	0	5.0
211A	40.5	15.5	88.5	0	5.6
212A	33.5	13.0	61.3	0	6.2
301A	18.6	23.4	66.1	0	6.8
302A	15	13.5	71.9	0	7.8
303A	12.1	26.0	53.5	0	7.1
304A	23.3	8.7	94.2	0	7.4
305A	31.0	12.6	61.2	0	6.4
306A	31.6	10.3	76.8	0	6.8
307A	25.7	23.4	84.0	0	6.2
308A	22.2	9.0	94.2	0	7.6
309A	12.1	26.0	53.5	0	7.1
310A	41.4	23.9	54.2	0	5.0
311A	40.5	15.5	88.5		5.6
312A	33.5	13.0	61.3		6.2
401A	15.0	24.2	66.1	0	6.9
402A	15	13.5	71.9	0	7.8
403A	12.1	26.0	53.5	0	7.1
404A	23.3	8.7	94.2	0	7.4
405A	35.0	10.1	61.2	0	6.4
406A	31.6	10.3	76.8	0	6.8
407A	20.3	16.9	84.0	0	7.1
408A	22.2	9.0	94.2	0	7.6
409A	12.1	26.0	53.5	0	7.1
410A	42.7	23.9	54.2	0	4.9
411A	28.9	40.4	89.0	0	4.8
412A	33.5	13.0	61.3	0	6.2
501A	13.6	24.5	66.1	0	7.1
502A	15	13.5	71.9	0	7.8
503A	12.1	26.0	53.5	0	7.1

Unit number(s)	Simulated. Loads, area adjusted (MJ/M ² /y)		Floor area (M ²)		Star Rating
	Heat	Cool (Sens & Lat)	Cond.	Uncond.	
504A	23.3	8.7	94.2	0	7.4
505A	36.3	12.8	61.2	0	6.4
506A	36.7	9.8	76.8	0	6.4
507A	20.4	12.8	84.0	0	7.4
508A	22.2	9.0	94.2	0	7.6
509A	35.3	14.4	101.9	0	6.1
510A	47.5	30.1	98.7	0	4.4
511A	26.5	19.5	58.8	0	6.4
601A	13.6	24.5	66.1	0	7.1
602A	9.2	13.9	71.9	0	8.3
603A	12.1	26.0	53.5	0	7.1
604A	23.3	8.7	94.2	0	7.4
605A	36.3	12.8	61.2	0	6.4
606A	36.7	9.8	76.8	0	6.4
607A	25.3	20.4	84.0	0	6.4
608A	22.2	9.0	94.2	0	7.6
609A	35.3	14.4	101.9	0	6.1
610A	47.5	30.1	98.7	0	4.4
611A	26.5	19.5	58.8	0	6.4
701A	22.2	30.7	66.1	0	5.9
702A	22.4	16.2	71.9	0	7.0
703A	13.8	46.5	53.7	0	5.4
704A	25.4	12.9	94.2	0	7.0
705A	49.8	21.8	61.2	0	4.7
706A	54.6	13.8	76.8	0	4.9
707A	33.4	25.8	84.0	0	5.4
708A	27.6	13.1	115.1	0	6.9
709A	41.3	19.6	101.9	0	5.3
710A	52.5	29.9	123.3	0	4.2
101B	12.7	10.5	125.1	0	8.2
102B	6.3	16.1	66.1	0	8.3
103B	5.8	12.2	65.6	0	8.7
104B	9.4	25.9	53.2	0	7.3
105B	13.2	10	92.9	0	8.2
106B	28.8	29.6	38.3	0	5.4
107B	39.9	16.3	85.4	0	5.6
108B	13.8	9.9	92.9	0	8.2
109B	9.7	19.9	53.3	0	7.7
110B	26.6	18.6	78.7	0	6.4
111B	46.4	17.7	57.6	0	5.1
112B	29.7	24.6	38.3	0	5.8
201B	13.3	11.6	124.5	0	8.1
202B	6.3	16.1	66.1	0	8.3
203B	5.8	12.2	65.6	0	8.7
204B	9.4	25.9	53.2	0	7.3
205B	13.2	10	92.9	0	8.2
206B	40.7	13.7	61.7	0	5.8
207B	40.7	15.4	85.4	0	5.6
208B	13.8	9.9	92.9	0	8.2
209B	9.7	19.9	53.3	0	7.7

Unit number(s)	Simulated. Loads, area adjusted (MJ/M ² /y)		Floor area (M ²)		Star Rating
	Heat	Cool (Sens & Lat)	Cond.	Uncond.	
210B	25.2	19.1	78.7	0	6.6
211B	46.7	16.5	57.6	0	5.2
212B	44	13.9	61.7	0	5.5
301B	13.3	11.6	124.5	0	8.1
302B	8.9	14.9	66.1	0	8.2
303B	8.4	11.4	65.6	0	8.5
304B	11.9	26.3	53.2	0	7.1
305B	13.2	10	92.9	0	8.2
306B	40.7	13.7	61.7	0	5.8
307B	40.7	15.4	85.4	0	5.6
308B	13.8	9.9	92.9	0	8.2
309B	12.2	19.7	53.3	0	7.5
310B	28.7	18.9	78.7	0	6.3
311B	46.7	16.5	57.6	0	5.2
312B	44	13.9	61.7	0	5.5
401B	16	11	124.5	0	7.9
402B	5.5	33.3	78.5	0	7
403B	3.8	32	88.9	0	7.2
404B	13.2	10	92.9	0	8.2
405B	40.7	13.7	61.7	0	5.8
406B	40.7	15.4	85.4	0	5.6
407B	13.8	9.9	92.9	0	8.2
408B	31.1	27.8	98.7	0	5.4
409B	40.5	15.9	79.8	0	5.6
410B	44	13.9	61.7	0	5.5
501B	27.4	12.8	114.8	0	6.9
502B	23	31.2	70.7	0	5.8
503B	26.9	24.7	79.2	0	5.9
504B	24.6	24.9	92.9	0	6.1
505B	58.1	15.9	61.7	0	4.6
506B	63.4	20.5	85.4	0	4.2
507B	24.6	24.9	92.9	0	6.1
508B	33.9	44	98.7	0	4.4
509B	52.5	15.8	79.8	0	4.9
510B	59.4	13.1	61.7	0	4.6
AVERAGE	26.7	18.0			6.5