## Thermal Assessor Certificate

## **Multi Dwellings**

Certificate version prior to 6.1 not valid after 1 March 2017

Issued for

BASIX assessment.



Assessor						
Name: Jaco	ob Rziner	Company: Tutis Consu	ulting	Assessors #: 10194		
Client						
Name:	Raymond Georges	Company	y: Green	Star Energy Solutions		
Address:	4 Gregory Avenue I	Baulkham Hills NSW				
Phone:	-	<b>Mob:</b> 0410 682 104	E-mail:	ray_greenstar@outlook.com		
Project						
Address:	52-56 Pank Pde Bla	cktown NSW 2148(Lot-	41-43 DP	32163)		
Applicant:	LAHC		LGA: E	BLACKTOWN CITY COUNCIL		
Assessment	t					
Date:22/1	1/2022			File ref: GS_ Pank pde		
Documentation of	declaration					
· •	that has been stamped and	been based, are included in the pro I signed by the Assessor issuing	this	Energy Rating Certificate Number 0006180083		
Spec & loads table:			[	single-dwelling rating    Single-dwelling rating   Single-dwelling rating		
Attached, Affixed to cover sheet / front of the drawing set			li			
Drawings: (7	Title, Ref.#, Revision, I	ssue date, etc)		If selected, data specified is the average across the entire development cooling 36.4 MJ/m²  Recessed downlights confirmation: Rated with Rated without		
Drawings Prepared by: Mode Design, Sydney				Assessor Name/Number 10194		
Job # 22032	., Issue :I, Dwg status:	DA, Date: 16/11/2023		Assessor Signature Date 20/11/2023		

Assessor Certificate	Assessor #1	0194 Ce	ertificate # 00061	80033 Issued:	20/11/2023
	Therma	ıl performance sı	pecifications		
	Predict. loads	s (MJ/M²/y)			Qualify for ventilation bonus
Dwelling type	Heat	Cool (Sens & Lat)	Star ratings	Concessions	
Unit-1	39	42	6	NA	NA
Unit-2	38	40	6.1	NA	NA
Unit-3	52	23	6.2	NA	NA
Unit-4	40	18	6	NA	NA
Unit-5	45	30	6.3	NA	NA
Unit-6	44	38	6.2	NA	NA
Unit-7	49	36	6	NA	NA
Unit-8	47	47	6.1	NA	NA
Unit-9	42	33	6.4	NA	NA
Unit-10	44	44	6.3	NA	NA
Unit-11	47	45	6	NA	NA
Unit-12	43	41	6.2	NA	NA
Total(12)	530	437	73.8		
Average	44.1	36.4	6.1		

## **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	Detail
	ALM-002-01A	Aluminium B SG Clear	Aluminium	6.70	0.70	All windows noted on the plan. Refer architectural drawings for orientation
Skylights	Product ID	Glass	Frame	U value	SHGC	Area M <sup>2</sup> Detail
-		-	-	-	-	

<b>External walls</b>	Construction	Insulation	Colour – sola	ar abs.	Detail	
	BV	R2.5	Medium		As per drawings	
			(solar absorb 0.475- 0.70)	ance		
Internal walls	Construction Plasterboard		Detail As per drawin			
	Flastelboalu	None	As per drawir	iys		
Floors	Construction	Insulation	Covering		Detail	
	CSOG	None	Carpet		Bed rooms, Study & Part Livin	ng
Ceilings	Timber Construction	None Insulation	Kitchen & W	et areas	Tiles	
Cennigs	Plasterboard	R4.5	For all ceiling	with dire	at roof above	
	Flastelboalu	K4.5	roi all celling	with dire	ct 1001 above	
Roof	Construction	Insulation	Colour – sola	r abs.	Detail	
	Metal roof	55mm foil			Medium As per drawings	
		back blanket	(solar absorb	ance 0.4	75- 0.70)	
Window cover	Internal (curt	tains)		Externa	nl (awnings, shutters, etc)	
Holland Blinds (	(default)			As per	drawings	
				1 10 p 01	u.u.i.ige	
	,				u.ugo	
Fixed shading	Eaves (width -	inc. gutters, h't abo	ove windows)		ahs, Pergolas (type, description)	
<b>Fixed shading</b> As per drawings		inc. gutters, h't abo	ove windows)			
	S	inc. gutters, h't abo	ove windows)	Veranda		
As per drawings	g Overshado		ove windows)	Veranda	ahs, Pergolas (type, description)	
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