

# Thermal Assessor Certificate

## Multi Dwellings

Certificate version prior to 6.1 not valid after 1 March 2017

Issued for  
BASIX assessment.



### Assessor

**Name:** Jacob Rziner

**Company:** Tutis Consulting

**Assessors #:** 10194

### Client

**Name:** Raymond Georges

**Company:** Green Star Energy Solutions

**Address:** 4 Gregory Avenue Baulkham Hills NSW

**Phone:** -

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### Project

**Address:** 16-22 Funda Cres Lalor Park NSW 2147...(Lot-363 DP 31954).....

**Applicant:** LASC

**LGA:** ... BLACKTOWN CITY COUNCIL

### Assessment

**Date:** ...20/06/2023.....

**File ref:** GS\_Funda

Documentation declaration

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..

### Spec & loads table:

Attached, Affixed to cover sheet / front of the drawing set

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

Drawings Prepared by: Green Star Energy Solutions

Job # 22032, Rev :n, Dwg status: DA, Date: 13/06/20233



Assessor Certificate	Assessor # 10194	Certificate # 0006180114	Issued: 20/06/2023		
Thermal performance specifications					
Dwelling type	Predict. loads (MJ/M²/y)		Star ratings	Concessions	Qualify for ventilation bonus
	Heat	Cool (Sens & Lat)			
Unit-1	53	27	6.2	NA	NA
Unit-2	44	31	6.8	NA	NA
Unit-3	43	38	6.3	NA	NA
Unit-4	46	31	6.7	NA	NA
Unit-5	48	35	6.8	NA	NA
Unit-6	25	25	6.1	NA	NA
Unit-7	50	35	6	NA	NA
Unit-8	48	37	6.2	NA	NA
Unit-9	50	30	6.3	NA	NA
Unit-10	51	32	6.2	NA	NA
Unit-11	52	36	6.1	NA	NA
Unit-12	49	50	6.2	NA	NA
Unit-13	44	31	6.3	NA	NA
Unit-14	42	31	6.2	NA	NA
Unit-15	47	32	6.3	NA	NA
Unit-16	46	33	6.1	NA	NA
Unit-17	40	35	6.5	NA	NA
Unit-18	52	31	6.4	NA	NA
Total(18)	830	600	113.7		
Average	46.1	33.3	6.2		

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### 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
-	-	-	-	-	-	-

Window and skylight U and SHGC values, if specified, are according to NFRC. Alternate products or specifications may be used if their Uvalue 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
	BV	R2.0	Medium (solar absorbance 0.475- 0.70)	As per drawings

Internal walls	Construction	Insulation	Detail
	Plasterboard	None	As per drawings

Floors	Construction	Insulation	Covering	Detail
	CSOG	None	Carpet	Bed rooms, Study & Part Living
	Timber	None	Kitchen & Wet areas	Tiles

Ceilings	Construction	Insulation	Detail
	Plasterboard	R4.0	For all ceiling with direct roof above

Roof	Construction	Insulation	Colour – solar abs.	Detail
	Metal roof	55mm foil	Medium (solar absorbance 0.475- 0.70)	As per drawings

Window cover	Internal (curtains)	External (awnings, shutters, etc)
	Holland Blinds (default)	As per drawings

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

Overshadowing	Overshadowing structures	Overshadowing trees
	As per drawings	

### Orientation, Exposure, Ventilation and Infiltration

Orientation of nominal north:	56°
Terrain category:	Suburban
Roof ventilation:	Ventilated >2% of area
Cross ventilation:	Standard
Subfloor:	Enclosed / Elevated
Living area open to entry:	Yes
Doors separate living areas:	No
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:	Yes (if provided)
Wall and ceiling vents:	No

Assessor stamp



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