

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: -

Mob: 0410 682 104

E-mail: ray_greenstar@outlook.com

Project

Address: 116-124 Restwell Street, Bankstown...NSW 2200...(Lot-101 DP 1267852).....

Applicant: Urban Link Architects..... LGA: CANTERBURY-BANKSTOWN COUNCIL

Assessment

Date: 22/08/2024.....

File ref: GS_Restwell

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: Urban Link architects

Job # 20-030, Rev :L, Dwg status: S4.55, Date: 30/05/2024

	Energy Rating	Certificate Number 0006180250
☐ single-dwelling rating		5.9 stars
☒ multi-unit development (attach listing of ratings) If selected, data specified is the average across the entire development	heating 37.3 MJ/m ² cooling 22.0 MJ/m ²	
Recessed downlights confirmation:	☐ Rated with	☒ Rated without
Assessor Name/Number	10194	
Assessor Signature		Date 22/08/2024

Assessor Certificate	Assessor # 10194	Certificate # 0006180250	Issued: 22/08/2023			
Thermal performance specifications						
Dwelling type	Predict. loads (MJ/M ² /y)		Star ratings		Concessions	Qualify for ventilation bonus
	Heat	Cool (Sens & Lat)				
Unit -1	38	19	5.5		NA	NA
Unit -2	33	21	5.4		NA	NA
Unit -3	38	25	5.6		NA	NA
Unit -4	40	23	5.3		NA	NA
Unit -5	32	24	5.9		NA	NA
Unit -6	26	17	5.8		NA	NA
Unit -7	37	18	5.9		NA	NA
Unit -8	32	17	5.8		NA	NA
Unit -9	33	24	5.5		NA	NA
Unit -10	26	25	6.2		NA	NA
Unit -11	37	23	6.1		NA	NA
Unit -12	43	19	5.7		NA	NA

Unit -13	37	25	5.8	NA	NA
Unit -14	38	24	5.9	NA	NA
Unit -15	33	21	6.3	NA	NA
Unit -16	37	19	6.2	NA	NA
Unit -17	44	23	5.9	NA	NA
Unit -18	38	26	6	NA	NA
Unit -19	39	26	6.1	NA	NA
Unit -20	43	15	5.8	NA	NA
Unit -21	39	25	5.7	NA	NA
Unit -22	45	18	5.6	NA	NA
Unit -23	43	20	5.8	NA	NA
Unit -24	42	24	5.3	NA	NA
Unit -25	38	26	5.5	NA	NA
Unit -26	43	23	5.4	NA	NA
Unit -27	32	21	6.2	NA	NA
Unit -28	28	23	6.4	NA	NA
Unit -29	33	19	6.1	NA	NA
Unit -30	40	20	5.7	NA	NA
Unit -31	44	25	5.6	NA	NA
Unit -32	29	20	6.4	NA	NA
Unit -33	30	25	6.3	NA	NA
Unit -34	32	24	6.1	NA	NA
Unit -35	38	22	6	NA	NA
Unit -36	30	24	6.2	NA	NA
Unit -37	34	19	6.7	NA	NA
Unit -38	39	18	6.4	NA	NA
Unit -39	40	13	6.5	NA	NA
Unit -40	41	23	5.6	NA	NA
Unit -41	44	22	5.7	NA	NA
Unit -42	45	25	5.5	NA	NA
Unit -43	42	19	5.8	NA	NA
Unit -44	44	24	5.3	NA	NA
Unit -45	33	23	5.7	NA	NA
Unit -46	43	24	5.3	NA	NA
Unit -47	32	26	6.2	NA	NA
Unit -48	40	25	6.3	NA	NA
Unit -49	37	20	5.8	NA	NA
Unit -50	47	25	5.5	NA	NA
Unit -51	34	24	5.8	NA	NA
Unit -52	29	23	5.9	NA	NA
Unit -53	27	24	5.7	NA	NA
Unit -54	47	26	5.6	NA	NA

Unit -55	34	21	5.7	NA	NA
Unit -56	20	23	5.9	NA	NA
Unit -57	28	21	6.6	NA	NA
Unit -58	47	26	5.8	NA	NA
Unit -59	43	24	5.4	NA	NA
Unit -60	34	23	5.9	NA	NA
Unit -61	37	22	6	NA	NA
Unit -62	25	24	6.1	NA	NA
Unit -63	29	20	6.4	NA	NA
Unit -64	39	24	5.6	NA	NA
Unit -65	40	25	5.7	NA	NA
Unit -66	43	22	5.4	NA	NA
Unit -67	45	26	5.2	NA	NA
Unit -68	32	22	5.6	NA	NA
Unit -69	46	19	5.1	NA	NA
Unit -70	35	20	6.2	NA	NA
Unit -71	30	23	6.4	NA	NA
Unit -72	34	17	6.5	NA	NA
Unit -73	33	17	6.4	NA	NA
Unit -74	39	24	6.2	NA	NA
Unit -75	44	18	5.7	NA	NA
Unit -76	41	16	5.6	NA	NA
Unit -77	39	19	5.9	NA	NA
Unit -78	38	18	6.1	NA	NA
Unit -79	34	20	6.3	NA	NA
Unit -80	30	26	6.4	NA	NA
Unit -81	39	20	7.7	NA	NA
Unit -82	43	24	5.9	NA	NA
Unit -83	45	19	6.1	NA	NA
Unit -84	44	18	6.2	NA	NA
Unit -85	41	21	6.3	NA	NA
Unit -86	43	23	5.9	NA	NA
Unit -87	39	27	5.7		
Unit -88	40	24	5.6	NA	NA
Unit -89	39	26	5.7	NA	NA
Total (89)	3320	1958	525.5		
Average	37.3	22	5.9		
 Energy Rating ☐ single-dwelling rating ☒ multi-unit development (attach listing of ratings) Assessed, see schedule for ratings across the whole development Reassessed owner's confirmation on: ☐ Rated with ☒ Rated without Assessor Name/Number: <u>IC154</u> Assessor's Signature: <u>[Signature]</u> Date: <u>22/08/2024</u>					

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 ²	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
	Pre-cast concrete Wall panel system	R1.5	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	R2.0	For all ceiling with direct roof above

Roof	Construction	Insulation	Colour – solar abs.	Detail
	Concrete	-	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: 250°

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

Energy Rating

Certificate Number 0006180250

☐ single-dwelling rating

5.9 stars

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

heating **37.3** MJ/m²
 cooling **22.0** MJ/m²

Recessed downlights confirmation:
 ☐ Rated with
 ☒ Rated without

Assessor Name/Number 10194

Assessor Signature

Date 22/08/2024

=====end=====