

## Specifications – LAHC 26-28 Stevenage Rd Canley Heights

Element	Type		Total System Insulation	Solar Absorptance
Walls				
External Walls	Cavity Brick Walls		R2.0	Medium SA.50
Internal Walls	Internal Plasterboard Stud Wall with Insulation		R0.16	
	Inter-tenancy Walls: cavity brick with 10mm plasterboard or render each side		R2.0	
Floors				
Concrete Slab on Ground	CSOG-100	Concrete Slab on Ground (100mm)	R2.00 XPS	
Floor exposed / elevated / above unconditioned Space	SUSP-CONC-200	Suspended Concrete Slab Floor (200mm)	R2.00	
Internal Floor	SUSP-CONC-200	Suspended Concrete Slab Floor (200mm)	90mm Non-Refl Air ( $\epsilon_t$ 0.82)	
Floor	Covering	- Wet Areas – Tiles		
		- Bedrooms – Carpet		
		- All other Areas – Tiles		
Roof				
Roof Structure	Steel Frame - 90×40mm   0.75 BMT   900mm spacing   R0.2 thermal break			
Roof exposed	Pitched / Attic Metal Roof (Roof space) & Flat PB Ceiling	Roof (at ceiling level) Exposed	R3.00	Medium SA.50
	Flat Framed Roof & Flat PB Ceiling	Roof (building blanket at roof level Exposed)	20mm Relf Air ( $\epsilon_t$ 0.20) + R1.30 Fibreglass	

Thermal Insulation performance requirements

Glazing elements	WERS CODE	Total system U-Value (W/m <sup>2</sup> .K)	Total system SHGC
Sliding Door – Clear	AWS-036-061	≤ 3.35	= 0.52
Awning – Clear	AWS-023-165	≤ 3.51	= 0.48
Fixed – Clear	AWS-128-002	≤ 3.56	= 0.45
Frame Colour	Dark SA 0.85		

Glazing Thermal performance requirements

- All windows have been specified with weather-strips to prevent air infiltration when closed. This is standard compliance with AS2047.

## Results



Average: 8.3 stars  
Minimum: 6.8 stars  
Star Rating



Average: 24.4 MJ/m<sup>2</sup>yr  
Max: 60.1 MJ/m<sup>2</sup>yr  
Heating <sup>a</sup>

63.6 MJ/m<sup>2</sup>yr  
69.7 MJ/m<sup>2</sup>yr  
Limit <sup>b</sup>



Average: 8.3 MJ/m<sup>2</sup>yr  
Max: 20.1 MJ/m<sup>2</sup>yr  
Cooling <sup>a</sup>

49.3 MJ/m<sup>2</sup>yr  
54.2 MJ/m<sup>2</sup>yr  
Limit <sup>b</sup>

32.6 MJ/m<sup>2</sup>yr

1849 MJ/yr

Avg. Heating and Cooling <sup>a</sup>

50 Pa: 8.39 ACH

Nat. Pa: 0.249 ACH

Air-tightness

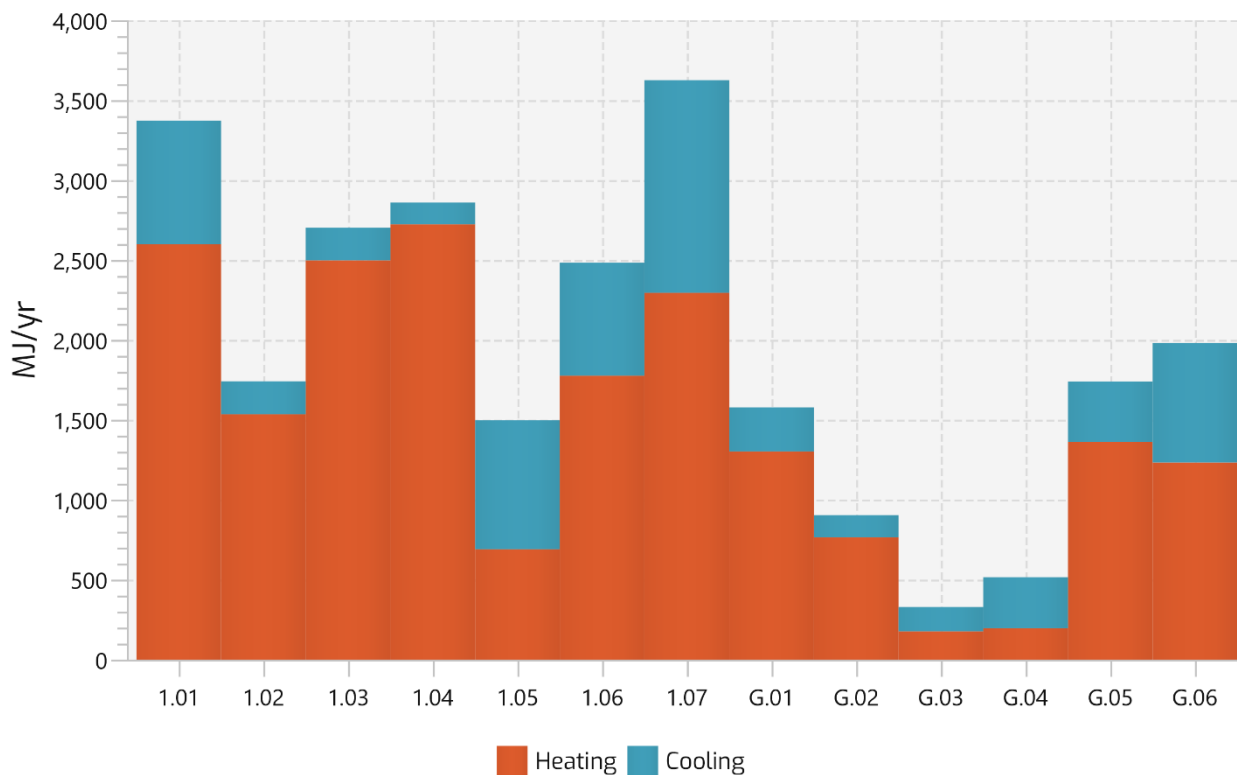
Conditioned: 56 m<sup>2</sup>

Average Areas <sup>c</sup>

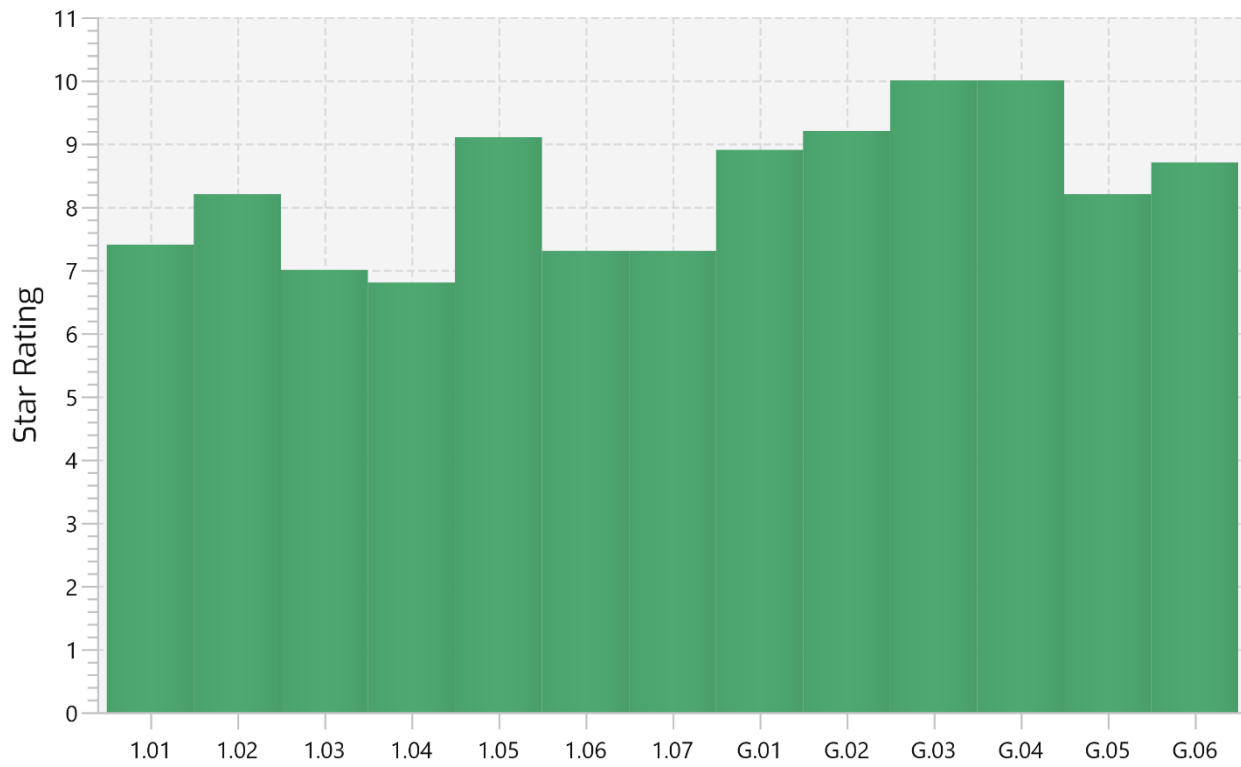
<sup>a</sup> Area Corrected Energy Levels

<sup>b</sup> Limits based on: Table B Units (<6 storeys)

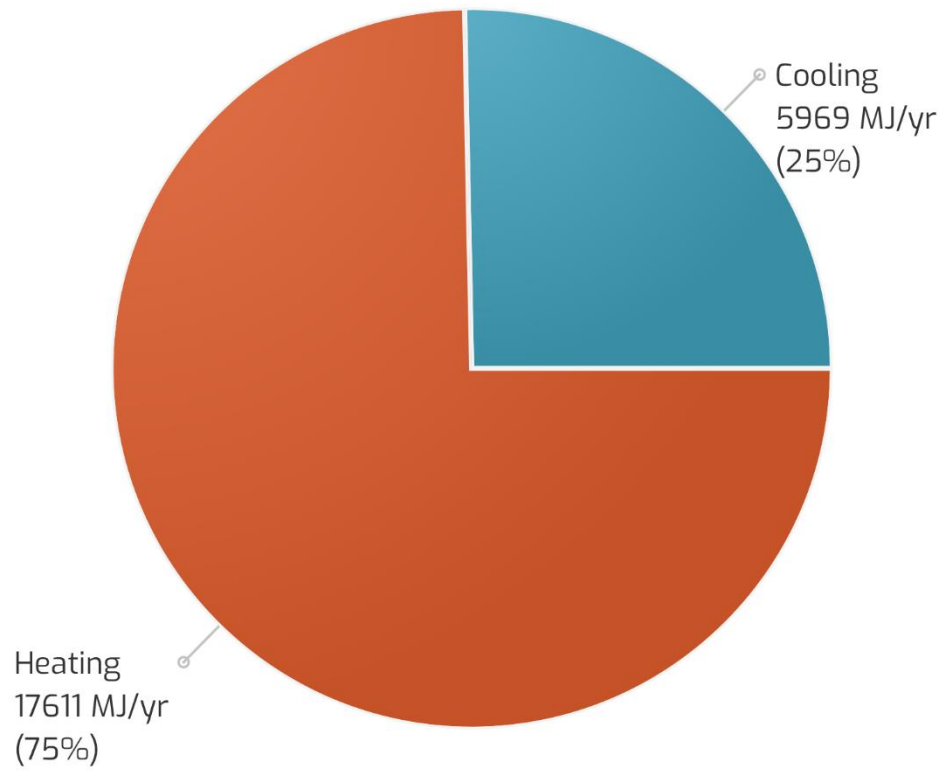
<sup>c</sup> Areas defined as per: ?



Energy Demand by Dwelling



Star Rating by Dwelling



Heating vs Cooling

## UNIT AVERAGE TABLE

Unit	TYPE	A/C Area (m <sup>2</sup> )	Non-A/C Area (m <sup>2</sup> )	Heating	Cooling	Total	Star rating
G.01	1	65.70	7.7	39.5	11.8	73.40	8.9
G.02	2	45.80	8.2	33.5	4.5	53.90	9.2
G.03	2	45.40	8.1	55.5	4.5	53.60	10
G.04	3	70.60	7.9	60.1	3	78.60	10
G.05	2	45.30	8.9	9.8	11.4	54.20	8.2
G.06	4	66.30	8.7	39.2	15.6	75.00	8.7
I.01	1	65.80	7.70	34.7	20.1	73.50	7.4
I.02	2	45.70	8.20	19.8	4.2	53.90	8.2
I.03	2	45.00	8.30	16.7	3	53.30	7
I.04	2	45.30	8.20	3.9	3.3	53.50	6.8
I.05	3	70.60	8.00	2.8	4.5	78.60	9.1
I.06	2	45.30	8.90	30	8.3	54.10	7.3
I.07	4	66.20	8.70	18.6	11.3	74.90	7.3

## BASIX NOTE

- In order to comply with BASIX Water Target, it is assumed that the tenants will install Washing Machine and Dishwater with minimum of 2-Star WELS Water rating.
- This clause shall be included in the Tenant agreement to ensure compliance with BASIX Certificate post-occupancy.
- Living Room & Bedrooms have been modelled with Ceiling Fans as required by DA Conditions.