



THERMAL COMFORT REPORT

LOT 2074 CULLEN AVENUE

JORDAN SPRINGS **NSW 2747**

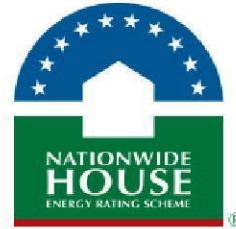
This report is prepared by Tutis Consulting in accordance with the followings:

- ★ NatHERS Technical Note 1 (Version 1.1 2013)
- ★ BASIX Thermal Comfort Protocol (01 May 2013)

Summary Report



FirstRate5@ : 5.1.9c



Engine: 2.13

Rating	4.5 stars	
	★ ★ ★ ★ ☆	
Mode	New Home	
Energy*	Total	126.8 MJ/m2
	Heating	66.5 MJ/m2
	Cooling	60.3 MJ/m2
	* Area correction applied as per NatHERS software protocol	
Areas	Net Conditioned Floor Area (NCFA)	137.8 m2
	Unconditioned Room Area	11.9 m2
	Garage Area	29.5 m2
Climate	28 Richmond	
Site Exposure	suburban	
Client Name	Impeccable Constructions	
Rated Address	Lot 2074 Cullen Avenue JORDAN SPRINGS 2747	
Accredited Rater	Farid M.Rezaeian	
Date	7/07/2013	
Reference	9273	
Comment		

Drawings By: Eagle Homes Design: LORIKEET S1 Sheets 1,2,3,4 of 4

The energy values quoted are for comparison purposes only. They are not a prediction of actual energy use.
 This rating only applies to the floor plan, construction details, orientation and climate as submitted and included in the attached stamped plans.
 Changes to any of these could affect the rating.
 FirstRate5@ cannot model slab edge insulation.

Summary 07-07-2013 10:13:45 Ver:5.1.9c Engine Ver:2.13 Accredited Rater:Farid M.Rezaeian



Feature Report

FirstRate® Feature Report



Zones

Zone	Area (m ²)	Conditioning Type	Conditioned
Bed 3	10.2	bedroom	Y
Bed 4	9.1	bedroom	Y
Laundry	4.2	otherDayCond	N
Bath	7.7	otherDayCond	N
Bed 2	11.6	bedroom	Y
Theatre	13.2	otherDayCond	Y
Living	25.6	living	Y
Garage	29.5	garage	N
Bed 1	16.4	bedroom	Y
WIR	2.4	otherNightCond	Y
Ensuite	3.2	otherNightCond	Y
Hallway 2	5.6	otherDayCond	Y
Kit/Fam	36.1	kitchen	Y
Hallway 1	4.4	otherDayCond	Y

Walls

Type	Insulation	Num Foil Layers	Foil Type	Area (m ²)
BV: Brick Veneer	1.5	0	None	118.8
BV: Brick Veneer	0.0	0	None	27.5

Floors

Type	Insulation	Ventilation	Area (m ²)
CSOG: Slab on Ground	0.0	encl	179.2

Roofs/Ceilings

Type	Insulation	Area (m ²)
Disc:Attic-Discontinuous	3.5	149.7
Disc:Attic-Discontinuous	0.0	29.5

Windows

Type	U-Value	SHGC	Area (m ²)
Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	7.32	0.77	28.80

Window Directions

Direction	Area (m ²)
S	8.6
E	8.3
W	8.1
N	3.8

Air leakage

Item	Sealed	Unsealed
Chimneys	0	0
Exhaust Fans	1	0
Wall Vents		0
Down Lights		0
Unflued Gas Heaters		0



Zone Energy Loads

Zone	Heating (MJ/m2)	Total Heating (MJ)	Cooling (MJ/m2)	Total Cooling (MJ)
Kit/Fam	78.2	2823.7	71.3	2573.5
Hallway 1	105.0	460.1	11.5	50.2
Ensuite	22.0	70.5	39.6	126.6
WIR	9.9	23.4	15.5	36.4
Bed 2	14.0	163.2	31.9	371.3
Bed 1	46.8	766.8	38.2	626.5
Hallway 2	136.3	769.8	11.4	64.1
Bed 4	53.0	481.5	23.0	209.5
Living	109.9	2812.0	167.6	4290.6
Bed 3	65.8	671.7	24.4	248.6
Theatre	79.3	1045.7	42.5	560.9

TUTIS

CONSULTING

P: 1300 662 351
F: 02 9475 5451

admin@tutis.com.au
www.tutis.com.au

ABN: 71 255 044 007

8/35-37 Coral St,
THE ENTRANCE, NSW 2261