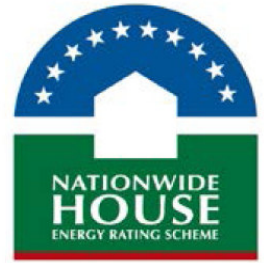




# NatHERS Certificate

## New Dwelling



### 6.0 Stars

#### Simulation Software

Software Name BERS Pro 4.2  
Software Version Release 110811/A  
Engine Version CHENATH V2.13

#### Simulation Details

Project Name tph141023\_1  
Date 3/02/2014  
Location KINGSWOOD PC 2747  
Climate file climat28.TXT  
Adjusted Star Rating 6.0 Stars  
Conditioned Area 127.39 m<sup>2</sup>  
Unconditioned Area 43.66 m<sup>2</sup>  
Adjusted Cooling 25.3 MJ/m<sup>2</sup>  
Adjusted Heating 60.3 MJ/m<sup>2</sup>  
Adjusted Total 85.5 MJ/m<sup>2</sup>

#### Dwelling Address

DP Number 1168992  
Unit Number BDAV#14521023  
Lot Number 2184  
House Number  
Street Name Adina Street  
Development Name  
Suburb Jordan Springs NSW 2747

#### Client Details

Name Mc Donald Jones Homes Sydney  
Phone Fax  
Email  
Postal Address P.O. Box 7994, Baulkham Hills NSW 2153  
Street Details Suite 1 , 62 Norwest Boulevard, Baulkham Hills NSW 2153

#### Assessor Details

Name Stephen Hardy  
Phone 02 42858216 Fax  
Email stephen@tphouse.com.au  
Postal Address T P House Pty Ltd  
Street Details 24 Duncan Street, Balgownie. NSW 2519

Signed by the Assessor.....



*Tilted roof windows with blinds cannot be modelled using this version of BERSPro.  
All windows are modelled with Holland Blinds for regulatory purposes.*

# Building Element Details

Project tph141023 Run 1  
KINGSWOOD PC 2747 Lat -33.70 Long 150.70 Climate File climat28.TXT

## Summary

Conditioned Area 127.4 m<sup>2</sup>  
Unconditioned Area 43.7 m<sup>2</sup>  
Total Floor Area 171.1 m<sup>2</sup>  
Total Glazed Area 30.7 m<sup>2</sup>  
Total External Solid door Area 12.2 m<sup>2</sup>  
Glass to Floor Area 18.0 %  
Gross External Wall Area 154.1 m<sup>2</sup>  
Net External Wall Area 111.2 m<sup>2</sup>



## Window

30.7 m<sup>2</sup> GGG-05-001a Generics Uval 6.57 SHGC 0.74  
Glass Single Glazed Clear  
Frame Aluminium

## External Wall

18.2 m<sup>2</sup> Brick Veneer No Insulation  
3.0 m<sup>2</sup> Cavity Brick No Insulation  
90.0 m<sup>2</sup> Brick Veneer Bulk Insulation R 1.5

## Internal Wall

139.0 m<sup>2</sup> Cavity Panel 70mm gap No Insulation

## External Floor

30.8 m<sup>2</sup> Concrete Slab on Ground Bare Bulk Insulation in Contact with Floor R 0.5  
59.9 m<sup>2</sup> Concrete Slab on Ground Carpet+Rubber Underlay 18mm Bulk Insulation in Contact with Floor R 0.5  
80.3 m<sup>2</sup> Concrete Slab on Ground Ceramic Tiles 8mm Bulk Insulation in Contact with Floor R 0.5

## External Ceiling

30.8 m<sup>2</sup> Plasterboard No Insulation Unventilated roofspace  
140.3 m<sup>2</sup> Plasterboard Bulk Insulation R3.0 Unventilated roofspace

## Roof (Horizontal area)

171.0 m<sup>2</sup> Corrugated Iron Bulk, Reflective Side Down, Anti-glare Up R 1.0 26° slope Hip roof

Details

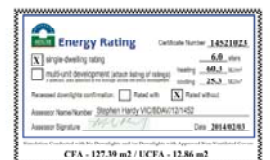
Zone 1		Garage 1		Garage Area on Level 1					
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans	
	No	Yes	No	No	0	0	0	No	
External Floor					Area	Covering	Type		
						Insulation			
					30.80	Bare Concrete Slab on Ground			
						Bulk Insulation in Contact with Floor		R0.50	
Ceiling		Slope			Area	Type			
						Above Ceiling			
		0			30.80	Plasterboard No Insulation			
						Unventilated roofspace cavity			
Roof		Slope	Shape		Type	Solar Abs			
						Insulation			
		26	Hip			Corrugated Iron	0.30		
						Bulk, Reflective Side Down, Anti-glare Up		R1.00	
Partition Wall	Length	Height		AdjZ	Area	Type			
Wall P 2	2.80	2.40		6	6.72	Cavity Panel 70mm gap	No Insulation		
Wall P 3	1.30	2.40		7	1.55	Cavity Panel 70mm gap	No Insulation		
Door Int	Width	Height		AdjZ	Area	Type			
Door I( 3, 1)	0.77	2.04		7	1.57	Hollow core door			
Wall P 4	4.90	2.40		7	11.76	Cavity Panel 70mm gap	No Insulation		
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs		
						Insulation			
Wall E 1	1.50	2.40	0.70	285	3.60	Brick Veneer	0.50	No Insulation	
Wall E 5	0.60	2.40	5.40	15	1.44	Brick Veneer	0.50	No Insulation	
Wall E 6	5.60	2.40	0.70	105	2.98	Cavity Brick	0.50	No Insulation	
Door Ext	Width	Height	Eaves	Orient	Area	Type			
Door E( 6, 1)	4.92	2.13	0.70	105	10.46	Steel door			
Wall E 7	5.50	2.40	0.70	195	13.20	Brick Veneer	0.50	No Insulation	

Zone 2		Living 1		Living Area on Level 1					
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans	
	Yes	Yes	No	No	0	0	0	No	
External Floor					Area	Covering	Type		
						Insulation			
					12.60	Carpet+Rubber Underlay 18mm Concrete Slab on Ground			
						Bulk Insulation in Contact with Floor		R0.50	
Ceiling		Slope			Area	Type			
						Insulation			
		0			12.60	Plasterboard			
						Bulk Insulation R3.00			
						Unventilated roofspace cavity			
Roof		Slope	Shape		Type	Solar Abs			
						Insulation			
		26	Hip			Corrugated Iron	0.30		
						Bulk, Reflective Side Down, Anti-glare Up		R1.00	
Partition Wall	Length	Height		AdjZ	Area	Type			
Wall P 1	3.50	2.40		7	5.81	Cavity Panel 70mm gap	No Insulation		
Door Int	Width	Height		AdjZ	Area	Type			
Door I( 1, 1)	1.20	2.15		7	2.59	Opening in wall			
Wall P 2	3.60	2.40		10	8.64	Cavity Panel 70mm gap	No Insulation		
Wall P 4	2.10	2.40		4	5.04	Cavity Panel 70mm gap	No Insulation		
Wall P 5	1.50	2.40		3	3.60	Cavity Panel 70mm gap	No Insulation		
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs		
						Insulation			
Wall E 3	3.50	2.40	0.60	15	6.78	Brick Veneer	0.50		
						Bulk Insulation		R1.50	
Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame	
						Opening	Covering		
						Shading			
Window( 3, 1)	2.70	0.60	0.60	15	1.62	GGG-05-001a Single Glazed Clear Aluminium			
						45% Opening Sliding, Two Lites Holland Blind			
						No Shading			



Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans
	Yes	Yes	No	No	0	0	0	No
External Floor					Area	Covering	Type	
					15.60	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground	
						Bulk Insulation in Contact with Floor R0.50		
Ceiling		Slope			Area	Type		
		0			15.60	Plasterboard		
						Bulk Insulation R3.00		
						Unventilated roofspace cavity		
Roof		Slope	Shape		Type	Solar Abs		
		26	Hip		Insulation			
						Corrugated Iron	0.30	
						Bulk, Reflective Side Down, Anti-glare Up R1.00		
Partition Wall	Length	Height		AdjZ	Area	Type		
Wall P 2	3.90	2.40		7	7.79	Cavity Panel 70mm gap	No Insulation	
Door Int	Width	Height		AdjZ	Area	Type		
Door I( 2, 1)	0.77	2.04		7	1.57	Hollow core door		
Wall P 3	1.50	2.40		2	3.60	Cavity Panel 70mm gap	No Insulation	
Wall P 4	2.00	2.40		4	4.80	Cavity Panel 70mm gap	No Insulation	
Wall P 5	2.10	2.40		4	3.47	Cavity Panel 70mm gap	No Insulation	
Door Int	Width	Height		AdjZ	Area	Type		
Door I( 5, 1)	0.77	2.04		4	1.57	Hollow core door		
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs	
						Insulation		
Wall E 1	1.60	2.40	7.50	195	3.84	Brick Veneer	0.50	
						Bulk Insulation R1.50		
Wall E 6	3.50	2.40	0.60	15	8.40	Brick Veneer	0.50	
						Bulk Insulation R1.50		
Wall E 7	3.60	2.40	0.70	105	5.40	Brick Veneer	0.50	
						Bulk Insulation R1.50		
Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame
						Opening	Covering	
						Shading		
Window( 7, 1)	1.80	1.80	0.70	105	3.24	GGG-05-001a	Single Glazed Clear	Aluminium
						45% Opening Double Hung Sash Holland Blind		
						No Shading		

Zone 4	Other Night-tim	Other Night-time Area on Level 1						
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans
	Yes	Yes	No	No	0	0	0	No
External Floor					Area	Covering	Type	
					4.20	Ceramic Tiles 8mm	Concrete Slab on Ground	
						Bulk Insulation in Contact with Floor R0.50		
Ceiling		Slope			Area	Type		
		0			4.20	Plasterboard		
						Bulk Insulation R3.00		
						Unventilated roofspace cavity		
Roof		Slope	Shape		Type	Solar Abs		
		26	Hip		Insulation			
						Corrugated Iron	0.30	
						Bulk, Reflective Side Down, Anti-glare Up R1.00		
Partition Wall	Length	Height		AdjZ	Area	Type		
Wall P 2	2.10	2.40		3	3.47	Cavity Panel 70mm gap	No Insulation	
Door Int	Width	Height		AdjZ	Area	Type		
Door I( 2, 1)	0.77	2.04		3	1.57	Hollow core door		
Wall P 3	2.00	2.40		3	4.80	Cavity Panel 70mm gap	No Insulation	
Wall P 4	2.10	2.40		2	5.04	Cavity Panel 70mm gap	No Insulation	
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs	
						Insulation		
Wall E 1	2.00	2.40	0.60	15	4.20	Brick Veneer	0.50	
						Bulk Insulation R1.50		



Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame
						Opening	Covering	
						Shading		
Window( 1, 1)	0.60	1.00	0.60	15	0.60	GGG-05-001a	Single Glazed Clear	Aluminium
						45% Opening Sliding, Two Lites	Holland Blind	
						No Shading		

Zone 5 Liv/Kitchen 1 Living/Kitchen Area on Level 1

Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans
	Yes	Yes	No	No	0	0	0	No

External Floor	Area	Covering	Type
	49.54	Ceramic Tiles 8mm	Concrete Slab on Ground
		Bulk Insulation in Contact with Floor	R0.50

Ceiling	Area	Type
	49.54	Plasterboard
		Bulk Insulation R3.00
		Unventilated roofspace cavity

Roof	Slope	Shape	Type	Solar Abs
	26	Hip	Corrugated Iron	0.30
			Bulk, Reflective Side Down, Anti-glare Up	R1.00

Partition Wall	Length	Height	AdjZ	Area	Type
Wall P 2	0.40	2.40	9	0.96	Cavity Panel 70mm gap No Insulation
Wall P 3	2.50	2.40	12	3.41	Cavity Panel 70mm gap No Insulation
Door Int	Width	Height	AdjZ	Area	Type
Door I( 3, 1)	1.20	2.15	12	2.59	Opening in wall
Wall P 4	2.90	2.40	8	6.96	Cavity Panel 70mm gap No Insulation
Wall P 5	2.90	2.40	10	5.39	Cavity Panel 70mm gap No Insulation
Door Int	Width	Height	AdjZ	Area	Type
Door I( 5, 1)	0.77	2.04	10	1.57	Hollow core door
Wall P 6	1.00	2.40	7	0.25	Cavity Panel 70mm gap No Insulation
Door Int	Width	Height	AdjZ	Area	Type
Door I( 6, 1)	1.00	2.15	7	2.15	Opening in wall
Wall P 7	0.60	2.40	7	1.44	Cavity Panel 70mm gap No Insulation
Wall P 8	1.50	2.40	7	3.60	Cavity Panel 70mm gap No Insulation
Wall P 9	2.80	2.40	6	6.72	Cavity Panel 70mm gap No Insulation

External Wall	Length	Height	Eaves	Orient	Area	Type	Abs
						Insulation	
Wall E 1	5.30	2.40	3.50	285	6.00	Brick Veneer	0.50
						Bulk Insulation	R1.50

Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame
						Opening	Covering	
						Shading		
Window( 1, 1)	3.20	2.10	3.50	285	6.72	GGG-05-001a	Single Glazed Clear	Aluminium
						33% Opening Sliding, Three Lites	Holland Blind	
						No Shading		

Wall E 10	Length	Height	Eaves	Orient	Area	Type	Abs
						Brick Veneer	0.50
						Bulk Insulation	R1.50

Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame
						Opening	Covering	
						Shading		
Window(10, 1)	0.85	2.08	0.70	195	1.77	GGG-05-001a	Single Glazed Clear	Aluminium
						30% Opening	Holland Blind	
						No Shading		

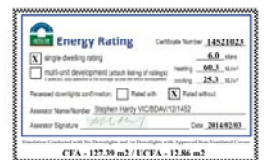
Window(10, 2)	Width	Height	Eaves	Orient	Area	Name	Glass	Frame
	1.80	2.08	0.70	195	3.74	GGG-05-001a	Single Glazed Clear	Aluminium
						30% Opening	Holland Blind	
						No Shading		

Wall E 11	Length	Height	Eaves	Orient	Area	Type	Abs
	0.50	2.40	14.40	105	1.20	Brick Veneer	0.50
						Bulk Insulation	R1.50

Wall E 12	Length	Height	Eaves	Orient	Area	Type	Abs
	1.70	2.40	0.20	195	4.08	Brick Veneer	0.50
						Bulk Insulation	R1.50

Wall E 13	Length	Height	Eaves	Orient	Area	Type	Abs
	0.50	2.40	4.80	285	1.20	Brick Veneer	0.50
						Bulk Insulation	R1.50

Wall E 14	Length	Height	Eaves	Orient	Area	Type	Abs
	1.30	2.40	0.70	195	1.35	Brick Veneer	0.50



Window	Width	Height	Eaves	Orient	Area	Bulk Insulation R1.50	Name	Glass	Frame
							Opening	Covering	
							Shading		
Window(14, 1)	0.85	2.08	0.70	195	1.77	GGG-05-001a	Single Glazed Clear	Aluminium	
							30% Opening	Holland Blind	
							No Shading		

Zone 6 Wet Area 1 Wet Area on Level 1

Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans
	Yes	Yes	No	No	0	0	0	No
External Floor					Area	Covering	Type	
						Insulation		
					5.32	Ceramic Tiles 8mm	Concrete Slab on Ground	
						Bulk Insulation in Contact with Floor	R0.50	
Ceiling		Slope			Area	Type		
						Insulation		
		0			5.32	Plasterboard		
						Bulk Insulation R3.00		
						Unventilated roofspace cavity		
Roof		Slope	Shape		Type	Solar Abs		
		26	Hip		Insulation			
						Corrugated Iron	0.30	
						Bulk, Reflective Side Down, Anti-glare Up	R1.00	

Partition Wall	Length	Height	AdjZ	Area	Type			
Wall P 2	2.80	2.40	5	6.72	Cavity Panel 70mm gap No Insulation			
Wall P 3	1.90	2.40	7	2.89	Cavity Panel 70mm gap No Insulation			
Door Int	Width	Height	AdjZ	Area	Type			
Door I( 3, 1)	0.82	2.04	7	1.67	Hollow core door			
Wall P 4	2.80	2.40	1	6.72	Cavity Panel 70mm gap No Insulation			
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs	
Wall E 1	1.90	2.40	0.70	195	1.47	Brick Veneer	0.50	
						Bulk Insulation R1.50		
Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame
						Opening	Covering	
						Shading		
Window( 1, 1)	1.47	2.10	0.70	195	3.09	GGG-05-001a	Single Glazed Clear	Aluminium
							45% Opening Sliding, Two Lites	Holland Blind
							No Shading	

Zone 7 Corridor 1 Corridor Area on Level 1

Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans
	No	Yes	No	No	0	0	0	No
External Floor					Area	Covering	Type	
						Insulation		
					11.23	Ceramic Tiles 8mm	Concrete Slab on Ground	
						Bulk Insulation in Contact with Floor	R0.50	
Ceiling		Slope			Area	Type		
						Insulation		
		0			11.23	Plasterboard		
						Bulk Insulation R3.00		
						Unventilated roofspace cavity		
Roof		Slope	Shape		Type	Solar Abs		
		26	Hip		Insulation			
						Corrugated Iron	0.30	
						Bulk, Reflective Side Down, Anti-glare Up	R1.00	
Partition Wall	Length	Height	AdjZ	Area	Type			
Wall P 1	4.90	2.40	1	11.76	Cavity Panel 70mm gap No Insulation			
Wall P 2	1.30	2.40	1	1.55	Cavity Panel 70mm gap No Insulation			
Door Int	Width	Height	AdjZ	Area	Type			
Door I( 2, 1)	0.77	2.04	1	1.57	Hollow core door			
Wall P 3	1.90	2.40	6	2.89	Cavity Panel 70mm gap No Insulation			
Door Int	Width	Height	AdjZ	Area	Type			
Door I( 3, 1)	0.82	2.04	6	1.67	Hollow core door			



Wall P 4	4	1.50	2.40		5	3.60	Cavity Panel 70mm gap	No Insulation
Wall P 5	5	0.60	2.40		5	1.44	Cavity Panel 70mm gap	No Insulation
Wall P 6	6	1.00	2.40		5	0.25	Cavity Panel 70mm gap	No Insulation
Door Int		Width	Height		AdjZ	Area	Type	
Door I( 6, 1)		1.00	2.15		5	2.15	Opening in wall	
Wall P 7	7	3.50	2.40		2	5.81	Cavity Panel 70mm gap	No Insulation
Door Int		Width	Height		AdjZ	Area	Type	
Door I( 7, 1)		1.20	2.15		2	2.59	Opening in wall	
Wall P 8	8	3.90	2.40		3	7.79	Cavity Panel 70mm gap	No Insulation
Door Int		Width	Height		AdjZ	Area	Type	
Door I( 8, 1)		0.77	2.04		3	1.57	Hollow core door	
External Wall		Length	Height	Eaves	Orient	Area	Type	Abs
							Insulation	
Wall E 9	9	1.20	2.40	3.30	105	1.16	Brick Veneer 0.50	
							Bulk Insulation R1.50	
Door Ext		Width	Height	Eaves	Orient	Area	Type	
Door E( 9, 1)		0.82	2.10	3.30	105	1.72	Solid timber door	
Zone 8	Sleeping 2	Sleeping Area on Level 1						
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans
	Yes	Yes	No	No	0	0	0	No
External Floor					Area	Covering	Type	
					10.44	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground	
						Bulk Insulation in Contact with Floor	R0.50	
Ceiling		Slope			Area	Type		
						Insulation		
						Above Ceiling		
		0			10.44	Plasterboard		
						Bulk Insulation R3.00		
						Unventilated roofspace cavity		
Roof		Slope		Shape		Type	Solar Abs	
						Insulation		
		26		Hip		Corrugated Iron 0.30		
						Bulk, Reflective Side Down, Anti-glare Up	R1.00	
Partition Wall		Length	Height		AdjZ	Area	Type	
Wall P 1	1	3.60	2.40		10	8.64	Cavity Panel 70mm gap	No Insulation
Wall P 2	2	2.90	2.40		5	6.96	Cavity Panel 70mm gap	No Insulation
Wall P 3	3	1.00	2.40		12	0.83	Cavity Panel 70mm gap	No Insulation
Door Int		Width	Height		AdjZ	Area	Type	
Door I( 3, 1)		0.77	2.04		12	1.57	Hollow core door	
Wall P 4	4	2.60	2.40		11	6.24	Cavity Panel 70mm gap	No Insulation
External Wall		Length	Height	Eaves	Orient	Area	Type	Abs
							Insulation	
Wall E 5	5	2.90	2.40	0.60	15	5.04	Brick Veneer 0.50	
							Bulk Insulation R1.50	
Window		Width	Height	Eaves	Orient	Area	Name	Glass
							Opening	Frame
							Covering	
							Shading	
Window( 5, 1)		1.60	1.20	0.60	15	1.92	GGG-05-001a Single Glazed Clear	Aluminium
							45% Opening Sliding, Two Lites	Holland Blind
							No Shading	

Zone 9	Sleeping 3	Sleeping Area on Level 1						
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans
	Yes	Yes	No	No	0	0	0	No
External Floor					Area	Covering	Type	
					10.84	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground	
						Bulk Insulation in Contact with Floor	R0.50	
Ceiling		Slope			Area	Type		
						Insulation		
						Above Ceiling		
		0			10.84	Plasterboard		
						Bulk Insulation R3.00		
						Unventilated roofspace cavity		
Roof		Slope		Shape		Type	Solar Abs	



Partition Wall	Length	Height	AdjZ	Area	Type	Insulation					
		26	Hip			Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00					
Wall P 3	2.60	2.40	11	6.24	Cavity Panel 70mm gap	No Insulation					
Wall P 4	0.40	2.40	11	0.96	Cavity Panel 70mm gap	No Insulation					
Wall P 5	1.00	2.40	12	0.83	Cavity Panel 70mm gap	No Insulation					
Door Int	Width	Height	AdjZ	Area	Type	Insulation					
Door I( 5, 1)	0.77	2.04	12	1.57	Hollow core door						
Wall P 6	0.40	2.40	5	0.96	Cavity Panel 70mm gap	No Insulation					
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs	Insulation			
Wall E 1	3.60	2.40	0.60	285	6.72	Brick Veneer 0.50 Bulk Insulation R1.50					
Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame	Opening	Covering	Shading
Window( 1, 1)	1.60	1.20	0.60	285	1.92	GGG-05-001a	Single Glazed Clear	Aluminium	45% Opening Sliding, Two Lites	Holland Blind	No Shading
Wall E 2	2.90	2.40	0.60	15	6.96	Brick Veneer 0.50 Bulk Insulation R1.50					
Wall E 7	2.90	2.40	6.00	195	6.96	Brick Veneer 0.50 Bulk Insulation R1.50					

Zone10	Sleeping 4	Sleeping Area on Level 1							
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans	
	Yes	Yes	No	No	0	0	0	No	
External Floor					Area	Covering	Type		
					10.44	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground		
						Bulk Insulation in Contact with Floor R0.50			

Ceiling	Slope	Area	Type	Insulation
	0	10.44	Plasterboard	Bulk Insulation R3.00
			Unventilated roofspace cavity	

Roof	Slope	Shape	Type	Solar Abs	Insulation
	26	Hip	Corrugated Iron	0.30	Bulk, Reflective Side Down, Anti-glare Up R1.00

Partition Wall	Length	Height	AdjZ	Area	Type	Insulation					
Wall P 2	3.60	2.40	2	8.64	Cavity Panel 70mm gap	No Insulation					
Wall P 3	2.90	2.40	5	5.39	Cavity Panel 70mm gap	No Insulation					
Door Int	Width	Height	AdjZ	Area	Type	Insulation					
Door I( 3, 1)	0.77	2.04	5	1.57	Hollow core door						
Wall P 4	3.60	2.40	8	8.64	Cavity Panel 70mm gap	No Insulation					
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs	Insulation			
Wall E 1	2.90	2.40	0.60	15	5.04	Brick Veneer 0.50 Bulk Insulation R1.50					
Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame	Opening	Covering	Shading
Window( 1, 1)	1.60	1.20	0.60	15	1.92	GGG-05-001a	Single Glazed Clear	Aluminium	45% Opening Sliding, Two Lites	Holland Blind	No Shading



Zone11	Wet Area 2	Wet Area on Level 1							
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans	
	Yes	Yes	No	No	0	0	0	No	
External Floor					Area	Covering	Type		
					7.54	Ceramic Tiles 8mm	Concrete Slab on Ground		
						Bulk Insulation in Contact with Floor R0.50			
Ceiling	Slope	Area	Type						



Roof	Slope	Shape	Area	Insulation				
	0		7.54	Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity				
	26	Hip		Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00				
Partition Wall	Length	Height	AdjZ	Area	Type			
Wall P 2	2.60	2.40	8	6.24	Cavity Panel 70mm gap No Insulation			
Wall P 3	2.50	2.40	12	4.43	Cavity Panel 70mm gap No Insulation			
Door Int	Width	Height	AdjZ	Area	Type			
Door I( 3, 1)	0.77	2.04	12	1.57	Hollow core door			
Wall P 4	0.40	2.40	9	0.96	Cavity Panel 70mm gap No Insulation			
Wall P 5	2.60	2.40	9	6.24	Cavity Panel 70mm gap No Insulation			
External Wall	Length	Height	Eaves	Orient	Area	Type		
Wall E 1	2.90	2.40	0.60	15	4.56	Abs Insulation Brick Veneer 0.50 Bulk Insulation R1.50		
Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame
Window( 1, 1)	1.60	1.50	0.60	15	2.40	GGG-05-001a	Single Glazed Clear	Aluminium
							45% Opening Sliding, Two Lites	Holland Blind
							No Shading	

Zone12 Corridor 2 Corridor Area on Level 1

Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans	Ceilin fans
No	No	No	No	No	0	0	0	No

External Floor	Area	Covering	Type			
	2.50	Ceramic Tiles 8mm	Concrete Slab on Ground			
		Bulk Insulation in Contact with Floor	R0.50			
Ceiling	Slope	Area	Type			
	0	2.50	Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity			
Roof	Slope	Shape	Type			
	26	Hip	Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00			
Partition Wall	Length	Height	AdjZ	Area	Type	
Wall P 1	2.50	2.40	5	3.41	Cavity Panel 70mm gap No Insulation	
Door Int	Width	Height	AdjZ	Area	Type	
Door I( 1, 1)	1.20	2.15	5	2.59	Opening in wall	
Wall P 2	1.00	2.40	9	0.83	Cavity Panel 70mm gap No Insulation	
Door Int	Width	Height	AdjZ	Area	Type	
Door I( 2, 1)	0.77	2.04	9	1.57	Hollow core door	
Wall P 3	2.50	2.40	11	4.43	Cavity Panel 70mm gap No Insulation	
Door Int	Width	Height	AdjZ	Area	Type	
Door I( 3, 1)	0.77	2.04	11	1.57	Hollow core door	
Wall P 4	1.00	2.40	8	0.83	Cavity Panel 70mm gap No Insulation	
Door Int	Width	Height	AdjZ	Area	Type	
Door I( 4, 1)	0.77	2.04	8	1.57	Hollow core door	
External Wall	Length	Height	Eaves	Orient	Area	Type
						Abs Insulation

