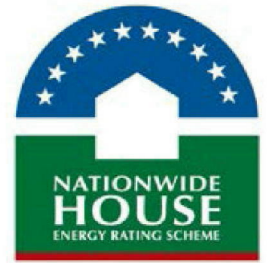




NatHERS Certificate

New Dwelling



5.0 Stars

Simulation Software

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

Simulation Details

Project Name tph13487_2
Date 10/07/2013
Location KINGSWOOD PC 2747
Climate file climat28.TXT
Adjusted Star Rating 5.0 Stars
Conditioned Area 111.07 m²
Unconditioned Area 26.51 m²
Adjusted Cooling 54.8 MJ/m²
Adjusted Heating 44.6 MJ/m²
Adjusted Total 99.4 MJ/m²

Dwelling Address

DP Number 1168991
Unit Number BDAV#14520487
Lot Number 2094
House Number
Street Name Milpera 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 - ABN 81110120315 - www.tphouse.com.au
Street Details 24 Duncan Street, Balgownie. NSW 2519

Signed by the Assessor.....

		Certificate Number 14520487
<input checked="" type="checkbox"/> single-dwelling rating		5.0 stars
<input type="checkbox"/> multi-unit development (attach listing of ratings)	heating 44.6 MJ/m ²	
<small>If selected, data specified is the average across the entire development</small>	cooling 54.8 MJ/m ²	
Recessed downlights confirmation: <input type="checkbox"/> Rated with <input checked="" type="checkbox"/> Rated without		
Assessor Name/Number Stephen Hardy/VIC/BDAV/121452		
Assessor Signature		Date 2013/07/10
<small>Simulation Conducted with No Downlights and/or Downlights with Approved Non-Ventilated Covers</small>		
CFA= 111.07 m²/UCFA= 9.36 m²		

*Tiltea root windows with blinas cannot be modelled using this version of BERSPro.
All windows are modelled with Hollana Blinas for regulatory purposes.*

Building Element Details

Project tph13487 Run 2
KINGSWOOD PC 2747 Lat -33.70 Long 150.70 Climate File climat28.TXT

Summary

Conditioned Area 111.1 m²
Unconditioned Area 26.5 m²
Total Floor Area 137.6 m²
Total Glazed Area 27.1 m²
Total External Solid door Area 7.7 m²
Glass to Floor Area 19.7 %
Gross External Wall Area 157.7 m²
Net External Wall Area 122.9 m²



Window

27.1 m² GGG-05-001a Generics Uval 6.57 SHGC 0.74
Glass Single Glazed Clear
Frame Aluminium

External Wall

18.1 m² Brick Veneer No Insulation
2.5 m² Cavity Brick No Insulation
102.3 m² Brick Veneer Bulk Insulation R 1.5

Internal Wall

141.5 m² Cavity Panel 70mm gap No Insulation

External Floor

17.1 m² Concrete Slab on Ground Bare Bulk Insulation in Contact with Floor R 1.0
107.8 m² Concrete Slab on Ground Carpet+Rubber Underlay 18mm Bulk Insulation in Contact with Floor R 1.0
12.6 m² Concrete Slab on Ground Ceramic Tiles 8mm Bulk Insulation in Contact with Floor R 1.0

External Ceiling

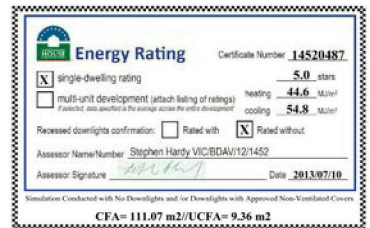
17.2 m² Plasterboard No Insulation Unventilated roofspace
120.4 m² Plasterboard Bulk Insulation R3.0 Unventilated roofspace

Roof (Horizontal area)

137.6 m² Corrugated Iron Foil, Gap Above, 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	No	No	No	0	0	0	No	
External Floor					Area	Covering	Type		
						Insulation			
					17.15	Bare Concrete Slab on Ground			
						Bulk Insulation in Contact with Floor	R1.00		
Ceiling		Slope			Area	Type			
		0			17.15	Plasterboard	No Insulation		
						Unventilated roofspace cavity			
Roof		Slope	Shape		Type	Solar Abs			
		26	Hip			Insulation			
						Corrugated Iron	0.85		
						Foil, Gap Above, Reflective Side Down, Anti-glare Up	R1.00		
Partition Wall	Length	Height		AdjZ	Area	Type			
Wall P 2	2.70	2.70		2	7.29	Cavity Panel 70mm gap	No Insulation		
Wall P 3	1.30	2.70		11	3.51	Cavity Panel 70mm gap	No Insulation		
Wall P 4	0.50	2.70		7	1.35	Cavity Panel 70mm gap	No Insulation		
Wall P 5	1.80	2.70		7	4.86	Cavity Panel 70mm gap	No Insulation		
Wall P 6	2.00	2.70		11	3.83	Cavity Panel 70mm gap	No Insulation		
Door Int	Width	Height		AdjZ	Area	Type			
Door I(6, 1)	0.77	2.04		11	1.57	Hollow core door			
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs		
						Insulation			
Wall E 1	0.80	2.70	14.80	190	2.16	Brick Veneer	0.85	No Insulation	
Wall E 7	0.40	2.70	5.60	280	1.08	Brick Veneer	0.85	No Insulation	
Wall E 8	3.00	2.70	0.30	10	2.46	Cavity Brick	0.85	No Insulation	
Door Ext	Width	Height	Eaves	Orient	Area	Type			
Door E(8, 1)	2.40	2.35	0.30	10	5.64	Steel door			
Wall E 9	5.50	2.70	0.30	100	14.85	Brick Veneer	0.85	No Insulation	
Zone 2		Lounge		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			
					11.20	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground		
						Bulk Insulation in Contact with Floor	R1.00		
Ceiling		Slope			Area	Type			
		0			11.20	Plasterboard			
						Bulk Insulation R3.00			
						Unventilated roofspace cavity			
Roof		Slope	Shape		Type	Solar Abs			
		26	Hip			Insulation			
						Corrugated Iron	0.85		
						Foil, Gap Above, Reflective Side Down, Anti-glare Up	R1.00		
Partition Wall	Length	Height		AdjZ	Area	Type			
Wall P 1	3.20	2.70		5	8.64	Cavity Panel 70mm gap	No Insulation		
Wall P 2	3.50	2.70		11	6.31	Cavity Panel 70mm gap	No Insulation		
Door Int	Width	Height		AdjZ	Area	Type			
Door I(2, 1)	0.77	2.04		11	1.57	Hollow core door			
Door I(2, 2)	0.77	2.04		11	1.57	Hollow core door			
Wall P 3	0.50	2.70		11	1.35	Cavity Panel 70mm gap	No Insulation		
Wall P 4	2.70	2.70		1	7.29	Cavity Panel 70mm gap	No Insulation		
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs		
						Insulation			
Wall E 5	3.50	2.70	0.70	100	8.01	Brick Veneer	0.85		
						Bulk Insulation	R1.50		
Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame	
						Opening	Covering		
						Shading			
Window(5, 1)	2.40	0.60	0.70	100	1.44	GGG-05-001a	Single Glazed Clear	Aluminium	
						45% Opening Sliding, Two Lites	Holland Blind		



No Shading

Zone 3		Sleeping 1		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		
						Insulation			
					19.32	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground		
						Bulk Insulation in Contact with Floor R1.00			
Ceiling		Slope			Area	Type			
						Insulation			
						Above Ceiling			
		0			19.32	Plasterboard			
						Bulk Insulation R3.00			
						Unventilated roofspace cavity			
Roof		Slope		Shape		Type	Solar Abs		
						Insulation			
		26		Hip		Corrugated Iron	0.85		
						Foil, Gap Above, Reflective Side Down, Anti-glare Up R1.00			
Partition Wall	Length	Height		AdjZ	Area	Type			
Wall P 4	3.00	2.70		4	5.95	Cavity Panel 70mm gap	No Insulation		
Door Int	Width	Height		AdjZ	Area	Type			
Door I (4, 1)	1.00	2.15		4	2.15	Opening in wall			
Wall P 5	1.40	2.70		5	3.78	Cavity Panel 70mm gap	No Insulation		
Wall P 6	1.20	2.70		5	1.67	Cavity Panel 70mm gap	No Insulation		
Door Int	Width	Height		AdjZ	Area	Type			
Door I (6, 1)	0.77	2.04		5	1.57	Hollow core door			
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs		
						Insulation			
Wall E 1	3.60	2.70	3.70	100	9.72	Brick Veneer	0.85		
						Bulk Insulation R1.50			
Wall E 2	4.20	2.70	0.70	190	11.34	Brick Veneer	0.85		
						Bulk Insulation R1.50			
Wall E 3	5.00	2.70	0.60	280	10.80	Brick Veneer	0.85		
						Bulk Insulation R1.50			
Window	Width	Height	Eaves	Orient	Area	Name	Glass	Frame	
						Opening	Covering		
						Shading			
Window(3, 1)	0.90	1.50	0.60	280	1.35	GGG-05-001a	Single Glazed Clear	Aluminium	
						30% Opening	Holland Blind		
						No Shading			
Window(3, 2)	0.90	1.50	0.60	280	1.35	GGG-05-001a	Single Glazed Clear	Aluminium	
						30% Opening	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		
						Insulation			
					4.80	Ceramic Tiles 8mm	Concrete Slab on Ground		
						Bulk Insulation in Contact with Floor R1.00			
Ceiling		Slope			Area	Type			
						Insulation			
		0			4.80	Plasterboard			
						Bulk Insulation R3.00			
						Unventilated roofspace cavity			
Roof		Slope		Shape		Type	Solar Abs		
						Insulation			
		26		Hip		Corrugated Iron	0.85		
						Foil, Gap Above, Reflective Side Down, Anti-glare Up R1.00			
Partition Wall	Length	Height		AdjZ	Area	Type			
Wall P 1	1.60	2.70		5	4.32	Cavity Panel 70mm gap	No Insulation		
Wall P 2	3.00	2.70		3	5.95	Cavity Panel 70mm gap	No Insulation		
Door Int	Width	Height		AdjZ	Area	Type			
Door I (2, 1)	1.00	2.15		3	2.15	Opening in wall			



Wall P 4	3.00	2.70		5	8.10	Cavity Panel 70mm gap	No Insulation
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs
Wall E 3	1.60	2.70	0.60	280	3.06	Brick Veneer 0.85	
Window	Width	Height	Eaves	Orient	Area	Name	Glass Frame
Window(3, 1)	0.60	2.10	0.60	280	1.26	GGG-05-001a Single Glazed Clear Aluminium	30% Opening Holland Blind No Shading
Window	Width	Height	Eaves	Orient	Area	Name	Glass Frame
Window(13, 1)	0.60	2.10	0.70	100	1.26	GGG-05-001a Single Glazed Clear Aluminium	30% Opening Holland Blind No Shading
Window(13, 2)	0.60	2.10	0.70	100	1.26	GGG-05-001a Single Glazed Clear Aluminium	30% Opening 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
External Floor	Yes	Yes	No	No	0	0	0 No
Ceiling	Slope	Area	Covering	Type	Insulation	41.70 Carpet+Rubber Underlay 18mm Concrete Slab on Ground	
Roof	Slope	Area	Type	Insulation	41.70 Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity		
Roof	Slope	Shape	Type	Solar Abs	26 Hip Corrugated Iron 0.85 Foil, Gap Above, Reflective Side Down, Anti-glare Up R1.00		
Partition Wall	Length	Height	AdjZ	Area	Type	Wall P 3 1.20 2.70 3 1.67 Cavity Panel 70mm gap No Insulation	
Door Int	Width	Height	AdjZ	Area	Type	Door I(3, 1) 0.77 2.04 3 1.57 Hollow core door	
Wall P 4	1.40	2.70	3	3.78	Cavity Panel 70mm gap	No Insulation	
Wall P 5	1.60	2.70	4	4.32	Cavity Panel 70mm gap	No Insulation	
Wall P 6	3.00	2.70	4	8.10	Cavity Panel 70mm gap	No Insulation	
Wall P 8	3.00	2.70	8	8.10	Cavity Panel 70mm gap	No Insulation	
Wall P 9	0.80	2.70	11	2.16	Cavity Panel 70mm gap	No Insulation	
Wall P 10	1.00	2.70	11	0.60	Cavity Panel 70mm gap	No Insulation	
Door Int	Width	Height	AdjZ	Area	Type	Door I(10, 1) 0.97 2.15 11 2.10 Opening in wall	
Wall P 11	0.30	2.70	11	0.81	Cavity Panel 70mm gap	No Insulation	
Wall P 12	3.20	2.70	2	8.64	Cavity Panel 70mm gap	No Insulation	
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs
Wall E 1	3.00	2.70	4.60	190	3.48	Brick Veneer 0.85	
Window	Width	Height	Eaves	Orient	Area	Name	Glass Frame
Window(1, 1)	2.20	2.10	4.60	190	4.62	GGG-05-001a Single Glazed Clear Aluminium	45% Opening Sliding, Two Lites Holland Blind No Shading
Wall E 2	0.30	2.70	3.70	100	0.81	Brick Veneer 0.85	
Wall E 7	4.50	2.70	0.60	280	12.15	Brick Veneer 0.85	
Wall E 13	6.70	2.70	0.70	100	12.27	Brick Veneer 0.85	
Window	Width	Height	Eaves	Orient	Area	Name	Glass Frame
Window(13, 1)	0.60	2.10	0.70	100	1.26	GGG-05-001a Single Glazed Clear Aluminium	30% Opening Holland Blind No Shading
Window(13, 2)	0.60	2.10	0.70	100	1.26	GGG-05-001a Single Glazed Clear Aluminium	30% Opening Holland Blind No Shading



Window(13, 3)	1.57	2.10	0.70	100	3.30	No Shading GGG-05-001a Single Glazed Clear Aluminium 30% Opening Holland Blind No Shading
Zone 6 Sleeping 2 Sleeping Area on Level 1						
Air Movement Screens	Yes	Seals Yes	Chimney No	Gas vent No	Wall vents 0	Downlights 0 Ex Fans 0 Ceilin fans No
External Floor					Area	Covering Type Insulation
					9.66	Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R1.00
Ceiling					Area	Type Insulation
					9.66	Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity
Roof	Slope		Shape			Type Solar Abs Insulation
	26		Hip			Corrugated Iron 0.85 Foil, Gap Above, Reflective Side Down, Anti-glare Up R1.00
Partition Wall	Length	Height	AdjZ		Area	Type
Wall P 3	0.60	2.70	11		1.62	Cavity Panel 70mm gap No Insulation
Wall P 4	1.30	2.70	11		1.94	Cavity Panel 70mm gap No Insulation
Door Int	Width	Height	AdjZ		Area	Type
Door I (4, 1)	0.77	2.04	11		1.57	Hollow core door
Wall P 5	3.00	2.70	9		8.10	Cavity Panel 70mm gap No Insulation
External Wall	Length	Height	Eaves	Orient	Area	Type Abs Insulation
Wall E 1	3.60	2.70	0.60	10	6.15	Brick Veneer 0.85 Bulk Insulation R1.50
Window	Width	Height	Eaves	Orient	Area	Name Glass Frame Opening Covering Shading
Window(1, 1)	0.85	2.10	0.60	10	1.78	GGG-05-001a Single Glazed Clear Aluminium 45% Opening Double Hung Sash Holland Blind No Shading
Window(1, 2)	0.85	2.10	0.60	10	1.78	GGG-05-001a Single Glazed Clear Aluminium 45% Opening Double Hung Sash Holland Blind No Shading
Wall E 2	1.60	2.70	2.00	100	4.32	Brick Veneer 0.85 Bulk Insulation R1.50
Wall E 6	2.90	2.70	0.60	280	7.83	Brick Veneer 0.85 Bulk Insulation R1.50

Zone 7 wc Other Day-time Area on Level 1						
Air Movement Screens	No	Seals No	Chimney No	Gas vent No	Wall vents 0	Downlights 0 Ex Fans 0 Ceilin fans No
External Floor					Area	Covering Type Insulation
					1.80	Ceramic Tiles 8mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R1.00
Ceiling					Area	Type Insulation
					1.80	Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity
Roof	Slope		Shape			Type Solar Abs Insulation
	26		Hip			Corrugated Iron 0.85 Foil, Gap Above, Reflective Side Down, Anti-glare Up R1.00
Partition Wall	Length	Height	AdjZ		Area	Type
Wall P 1	1.80	2.70	11		3.39	Cavity Panel 70mm gap No Insulation
Door Int	Width	Height	AdjZ		Area	Type
Door I (1, 1)	0.72	2.04	11		1.47	Hollow core door



Wall P 2	1.00	2.70		11	2.70	Cavity Panel 70mm gap	No Insulation
Wall P 3	1.80	2.70		1	4.86	Cavity Panel 70mm gap	No Insulation
Wall P 4	0.50	2.70		1	1.35	Cavity Panel 70mm gap	No Insulation
Wall P 5	0.50	2.70		11	1.35	Cavity Panel 70mm gap	No Insulation
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs Insulation

Zone 8 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
					9.84	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground
						Bulk Insulation in Contact with Floor	R1.00
Ceiling		Slope			Area	Type	
		0			9.84	Plasterboard	
						Bulk Insulation R3.00	
						Unventilated roofspace cavity	
Roof		Slope		Shape		Type	Solar Abs
		26		Hip		Insulation	
						Corrugated Iron	0.85
						Foil, Gap Above, Reflective Side Down, Anti-glare Up	R1.00

Partition Wall	Length	Height		AdjZ	Area	Type	
Wall P 1	3.60	2.70		11	8.15	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(1, 1)	0.77	2.04		11	1.57	Hollow core door	
Wall P 2	3.00	2.70		5	8.10	Cavity Panel 70mm gap	No Insulation
Wall P 4	1.60	2.70		10	4.32	Cavity Panel 70mm gap	No Insulation
Wall P 5	0.60	2.70		10	1.62	Cavity Panel 70mm gap	No Insulation
Wall P 6	0.40	2.70		10	1.08	Cavity Panel 70mm gap	No Insulation
Wall P 7	1.00	2.70		11	2.70	Cavity Panel 70mm gap	No Insulation
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs
						Insulation	

Wall E 3	3.00	2.70	0.60	280	5.86	Brick Veneer	0.85
						Bulk Insulation	R1.50
Window	Width	Height	Eaves	Orient	Area	Name	Glass Frame
						Opening	Covering
						Shading	
Window(3, 1)	1.60	1.40	0.60	280	2.24	GGG-05-001a	Single Glazed Clear Aluminium
						45% Opening Sliding, Two Lites	Holland Blind
						No Shading	

Zone 9 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
					6.00	Ceramic Tiles 8mm	Concrete Slab on Ground
						Bulk Insulation in Contact with Floor	R1.00
Ceiling		Slope			Area	Type	
		0			6.00	Plasterboard	
						Bulk Insulation R3.00	
						Unventilated roofspace cavity	
Roof		Slope		Shape		Type	Solar Abs
		26		Hip		Insulation	
						Corrugated Iron	0.85
						Foil, Gap Above, Reflective Side Down, Anti-glare Up	R1.00

Partition Wall	Length	Height		AdjZ	Area	Type	
Wall P 1	2.00	2.70		11	5.40	Cavity Panel 70mm gap	No Insulation
Wall P 2	1.00	2.70		11	1.13	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(2, 1)	0.77	2.04		11	1.57	Hollow core door	
Wall P 3	2.00	2.70		10	5.40	Cavity Panel 70mm gap	No Insulation



Wall P 5	3.00	2.70		6	8.10	Cavity Panel 70mm gap	No Insulation
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs
Wall E 4	2.00	2.70	0.60	280	3.00	Brick Veneer	0.85
Window	Width	Height	Eaves	Orient	Area	Name	Glass Frame
Window(4, 1)	1.60	1.50	0.60	280	2.40	GGG-05-001a	Single Glazed Clear Aluminium 45% Opening Sliding, Two Lites Holland Blind No Shading
Zone10	Wet Area 2	Wet Area on Level 1					
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans Ceilin fans
External Floor	Yes	Yes	No	No	0	0	0 No
Ceiling		Slope			Area	Covering	Type
Roof		Slope		Shape		Insulation	
Partition Wall	Length	Height		AdjZ	Area	Covering	Type
Wall P 1	2.00	2.70		9	5.40	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground
Wall P 2	1.20	2.70		11	1.57	Bulk Insulation in Contact with Floor	R1.00
Door Int	Width	Height		AdjZ	Area	Insulation	
Door I(2, 1)	0.82	2.04		11	1.67	Above Ceiling	
Wall P 3	0.40	2.70		8	1.08	Plasterboard	
Wall P 4	0.60	2.70		8	1.62	Bulk Insulation R3.00	
Wall P 5	1.60	2.70		8	4.32	Unventilated roofspace cavity	
External Wall	Length	Height	Eaves	Orient	Area	Type	Solar Abs
Wall E 6	1.80	2.70	0.60	280	1.77	Insulation	
Window	Width	Height	Eaves	Orient	Area	Name	Glass Frame
Window(6, 1)	1.47	2.10	0.60	280	3.09	GGG-05-001a	Single Glazed Clear Aluminium 45% Opening Sliding, Two Lites Holland Blind No Shading

Zone11	Corridor 1	Corridor Area on Level 1					
Air Movement	Screens	Seals	Chimney	Gas vent	Wall vents	Downlights	Ex Fans Ceilin fans
External Floor	No	No	No	No	0	0	0 No
Ceiling		Slope			Area	Covering	Type
Roof		Slope		Shape		Insulation	
Partition Wall	Length	Height		AdjZ	Area	Covering	Type
Wall P 1	0.60	2.70		6	1.62	Carpet+Rubber Underlay 18mm	Concrete Slab on Ground



Wall P 3	2.00	2.70		1	3.83	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(3, 1)	0.77	2.04		1	1.57	Hollow core door	
Wall P 4	1.00	2.70		7	2.70	Cavity Panel 70mm gap	No Insulation
Wall P 5	1.80	2.70		7	3.39	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(5, 1)	0.72	2.04		7	1.47	Hollow core door	
Wall P 6	0.50	2.70		7	1.35	Cavity Panel 70mm gap	No Insulation
Wall P 7	1.30	2.70		1	3.51	Cavity Panel 70mm gap	No Insulation
Wall P 8	0.50	2.70		2	1.35	Cavity Panel 70mm gap	No Insulation
Wall P 9	3.50	2.70		2	6.31	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(9, 1)	0.77	2.04		2	1.57	Hollow core door	
Door I(9, 2)	0.77	2.04		2	1.57	Hollow core door	
Wall P 10	0.30	2.70		5	0.81	Cavity Panel 70mm gap	No Insulation
Wall P 11	1.00	2.70		5	0.60	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(11, 1)	0.97	2.15		5	2.10	Opening in wall	
Wall P 12	0.80	2.70		5	2.16	Cavity Panel 70mm gap	No Insulation
Wall P 13	3.60	2.70		8	8.15	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(13, 1)	0.77	2.04		8	1.57	Hollow core door	
Wall P 14	1.00	2.70		8	2.70	Cavity Panel 70mm gap	No Insulation
Wall P 15	1.20	2.70		10	1.57	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(15, 1)	0.82	2.04		10	1.67	Hollow core door	
Wall P 16	1.00	2.70		9	1.13	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(16, 1)	0.77	2.04		9	1.57	Hollow core door	
Wall P 17	2.00	2.70		9	5.40	Cavity Panel 70mm gap	No Insulation
Wall P 18	1.30	2.70		6	1.94	Cavity Panel 70mm gap	No Insulation
Door Int	Width	Height		AdjZ	Area	Type	
Door I(18, 1)	0.77	2.04		6	1.57	Hollow core door	
External Wall	Length	Height	Eaves	Orient	Area	Type	Abs
Wall E 2	1.40	2.70	3.20	10	1.75	Brick Veneer	0.85
						Bulk Insulation R1.50	
Door Ext	Width	Height	Eaves	Orient	Area	Type	
Door E(2, 1)	0.97	2.10	3.20	10	2.03	Solid timber door	

