

Building Sustainability Index www.basix.nsw.gov.au

Single Dwelling

Certificate number: 527325S

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 29/06/2009 published by the Department of Planning. This document is available at www.basix.nsw.gov.au

Director-General

BASIX

Date of issue: Monday, 03 February 2014

To be valid, this certificate must be lodged within 3 months of the date of issue.



Project summary			
Project name	TPH141023		
Street address	17 Adina Street Jordan Springs 2747		
Local Government Area	Penrith City Council		
Plan type and plan number	deposited 1168992		
Lot no.	2184		
Section no.	-		
Project type	separate dwelling house		
No. of bedrooms	4		
Project score			
Water	✓ 41 Target 40		
Thermal Comfort	✓ Pass Target Pass		
Energy	✓ 50 Target 40		

Certificate Prepared by					
Name / Company Name: T P House Pty Ltd					
ABN (if applicable): 81110120315					

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Description of project

Project address		
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Street address	17 Adina Street Jordan Springs 2747	
Local Government Area	Penrith City Council	
Plan type and plan number	Deposited Plan 1168992	
Lot no.	2184	
Section no.	-	
Project type		
Project type	separate dwelling house	
No. of bedrooms	4	
Site details		
Site area (m²)	510	
Roof area (m²)	234	
Conditioned floor area (m2)	127	
Unconditioned floor area (m2)	13	
Total area of garden and lawn (m2)	275	

Assessor details and thermal loads				
Assessor number	BDAV/12/1452			
Certificate number	14521023			
Climate zone	28			
Area adjusted cooling load (MJ/m².year)	25			
Area adjusted heating load (MJ/m².year)	60			
Other				
none	n/a			
Project score				
Water	✓ 41 Target 40			
Thermal Comfort	✓ Pass Target Pass			
Energy	✓ 50 Target 40			

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Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

Water Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Fixtures			
The applicant must install showerheads with a minimum rating of 3 star (> 7.5 but <= 9 L/min) in all showers in the development.		/	/
The applicant must install a toilet flushing system with a minimum rating of 4 star in each toilet in the development.		/	/
The applicant must install taps with a minimum rating of 4 star in the kitchen in the development.		/	
The applicant must install basin taps with a minimum rating of 4 star in each bathroom in the development.		/	
Alternative water			
Rainwater tank			
The applicant must install a rainwater tank of at least 3000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	1	/	/
The applicant must configure the rainwater tank to collect rain runoff from at least 233 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam).		/	1
The applicant must connect the rainwater tank to:			
all toilets in the development		/	/
the cold water tap that supplies each clothes washer in the development		✓	1
 at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human consumption in areas with potable water supply.) 		✓	✓

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Thermal Comfort Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Simulation Method			
The applicant must attach the certificate referred to under "Assessor Details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for an occupation certificate for the proposed development.			
The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX certificate, including the Cooling and Heating loads shown on the front page of this certificate.			
The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Assessor Certificate requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor to certify that this is the case. The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.			
The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		1	1
The applicant must construct the floors and walls of the dwelling in accordance with the specifications listed in the table below.	/	/	/

Floor and wall construction	Area
floor - concrete slab on ground	All or part of floor area square metres

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Energy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Hot water			
The applicant must install the following hot water system in the development, or a system with a higher energy rating: gas instantaneous with a performance of 5 stars.	1	/	/
Cooling system			
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning; Energy rating: EER 2.5 - 3.0		/	/
The bedrooms must not incorporate any cooling system, or any ducting which is designed to accommodate a cooling system.		/	/
Heating system			
The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning; Energy rating: EER 2.5 - 3.0		/	1
The bedrooms must not incorporate any heating system, or any ducting which is designed to accommodate a heating system.		/	/
Ventilation			
The applicant must install the following exhaust systems in the development:			
At least 1 Bathroom: no mechanical ventilation (ie. natural); Operation control: n/a		✓	/
Kitchen: individual fan, not ducted; Operation control: manual switch on/off		1	/
Laundry: natural ventilation only, or no laundry; Operation control: n/a		1	/
Artificial lighting			
The applicant must ensure that the "primary type of artificial lighting" is fluorescent or light emitting diode (LED) lighting in each of the following rooms, and where the word "dedicated" appears, the fittings for those lights must only be capable of accepting fluorescent or light emitting diode (LED) lamps:			
at least 4 of the bedrooms / study;		/	/
• at least 2 of the living / dining rooms;		/	/
• the kitchen;		1	,

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Energy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
all bathrooms/toilets;		1	/
• the laundry;		1	1
• all hallways;		1	/
Natural lighting			
The applicant must install a window and/or skylight in 2 bathroom(s)/toilet(s) in the development for natural lighting.	1	1	1
Other			
The applicant must install a gas cooktop & electric oven in the kitchen of the dwelling.		1	
The applicant must install a fixed outdoor clothes drying line as part of the development.		1	

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Legend

In these commitments, "applicant" means the person carrying out the development.

Commitments identified with a in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).

Commitments identified with a in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.

Commitments identified with a \checkmark in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate(either interim or final) for the development may be issued.

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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 m²
Unconditioned Area 43.66 m²
Adjusted Cooling 25.3 MJ/m²
Adjusted Heating 60.3 MJ/m²
Adjusted Total 85.5 MJ/m²

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 m²
Unconditioned Area 43.7 m²
Total Floor Area 171.1 m²
Total Glazed Area 30.7 m²
Total External Solid door Area 12.2 m²
Glass to Floor Area 18.0 %
Gross External Wall Area 154.1 m²
Net External Wall Area 111.2 m²



Window

30.7 m² GGG-05-001a Generics Uval 6.57 SHGC 0.74

Glass Single Glazed Clear

Frame Aluminium

External Wall

18.2 m^2 Brick Veneer No Insulation 3.0 m^2 Cavity Brick No Insulation

90.0 \mbox{m}^{2} $\mbox{ Brick Veneer }$ Bulk Insulation R 1.5

Internal Wall

139.0 m² Cavity Panel 70mm gap No Insulation

External Floor

30.8 \mbox{m}^{2} Concrete Slab on Ground Bare Bulk Insulation in Contact with Floor R 0.5

59.9 m² Concrete Slab on Ground Carpet+Rubber Underlay 18mm Bulk Insulation in Contact with Floor R 0.5

 $80.3~\text{m}^2$ Concrete Slab on Ground Ceramic Tiles 8mm Bulk Insulation in Contact with Floor R 0.5

External Ceiling

30.8 m² Plasterboard No Insulation Unventilated roofspace

140.3 m² Plasterboard Bulk Insulation R3.0 Unventilated roofspace

Roof (Horizontal area)

171.0 m² Corrugated Iron Bulk, Reflective Side Down, Anti-glare Up R 1.0 26° slope Hip roof

Details				
Zone 1 Garage 1	Gara	ge Area on Level	1	
Air Movement Screens	Seals	Chimney Gas v	vent Wa	ll vents Downlights Ex Fans Ceilin fans
No	Yes	No No	0	0 0 No
External Floor			Area	Covering Type
			20 00	Insulation Bare Concrete Slab on Ground
			30.80	Bulk Insulation in Contact with Floor R0.50
Ceiling	Slope		Area	
Celling	stobe		ALEa	Type Above Ceiling
	0		30.80	Plasterboard No Insulation
	O		30.00	Unventilated roofspace cavity
Roof	Slope	Shape		Type Solar Abs
1001	вторс	Shape		Insulation
	26	Hip		Corrugated Iron 0.30
	20	mip		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
	Height	AdjZ	Area	Type
Door I (3, 1) 0.77	=	7	1.57	Hollow core door
Wall P 4 4.90		7	11.76	Cavity Panel 70mm gap No Insulation
External Wall Length		Eaves Orient	Area	Type Abs
Encornar warr Bongon	11019110	20.00 011000	112.00	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
	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		0.70 195	13.20	Brick Veneer 0.50 No Insulation
Zone 2 Living 1	Livi	ng Area on Level	1	
Air Movement Screens	Seals	=		ll vents Downlights Ex Fans Ceilin fans
		-		
Yes	Yes	No No)	0 0 No
Yes External Floor	Yes	No No	o Area	0 0 0 No Covering Type
	Yes	No No		
	Yes	No No		Covering Type
	Yes	No No	Area	Covering Type Insulation
	Yes Slope	No No	Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground
External Floor		No No	Area 12.60	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50
External Floor		No No	Area 12.60	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type
External Floor		No No	Area 12.60	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation
External Floor	Slope	No No	Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling
External Floor	Slope	No No	Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard
External Floor	Slope	No No Shape	Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00
External Floor Ceiling	Slope 0		Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity
External Floor Ceiling	Slope 0		Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs
External Floor Ceiling	Slope 0 Slope	Shape	Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation
External Floor Ceiling	Slope 0 Slope 26	Shape	Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30
External Floor Ceiling Roof	Slope 0 Slope 26	Shape Hip	Area 12.60 Area 12.60	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00
External Floor Ceiling Roof Partition Wall Length	Slope 0 Slope 26 Height 2.40	Shape Hip AdjZ	Area 12.60 Area 12.60 Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50	Slope 0 Slope 26 Height 2.40	Shape Hip AdjZ 7	Area 12.60 Area 12.60 Area 5.81	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width	Slope 0 Slope 26 Height 2.40 Height	Shape Hip AdjZ 7 AdjZ	Area 12.60 Area 12.60 Area 5.81 Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1, 1) 1.20	Slope 0 Slope 26 Height 2.40 Height 2.15	Shape Hip AdjZ 7 AdjZ 7 10 4	Area 12.60 Area 12.60 Area 5.81 Area 2.59	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50	Slope 0 Slope 26 Height 2.40 Height 2.15 2.40 2.40 2.40	Shape Hip AdjZ 7 AdjZ 7 10 4 3	Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50	Slope 0 Slope 26 Height 2.40 Height 2.15 2.40 2.40	Shape Hip AdjZ 7 AdjZ 7 10 4	Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation Type Abs
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50 External Wall Length	Slope 0 Slope 26 Height 2.40 Height 2.15 2.40 2.40 2.40 Height	Shape Hip Adjz 7 Adjz 7 10 4 3 Eaves Orient	Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60 Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Type Abs Insulation
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50	Slope 0 Slope 26 Height 2.40 Height 2.15 2.40 2.40 2.40 Height	Shape Hip AdjZ 7 AdjZ 7 10 4 3	Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Type Abs Insulation Brick Veneer 0.50
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50 External Wall Length Wall E 3 3.50	Slope 0 Slope 26 Height 2.40 Height 2.15 2.40 2.40 4.40 Height 2.40	Shape Hip AdjZ 7 AdjZ 7 10 4 3 Eaves Orient 0.60 15	Area 12.60 Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60 Area 6.78	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Type Abs Insulation Brick Veneer 0.50 Bulk Insulation R1.50
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50 External Wall Length Wall E 3 3.50	Slope 0 Slope 26 Height 2.40 Height 2.15 2.40 2.40 2.40 Height	Shape Hip Adjz 7 Adjz 7 10 4 3 Eaves Orient	Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60 Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Type Abs Insulation Brick Veneer 0.50 Bulk Insulation R1.50 Name Glass Frame
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50 External Wall Length Wall E 3 3.50	Slope 0 Slope 26 Height 2.40 Height 2.15 2.40 2.40 4.40 Height 2.40	Shape Hip AdjZ 7 AdjZ 7 10 4 3 Eaves Orient 0.60 15	Area 12.60 Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60 Area 6.78	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation Type Abs Insulation Brick Veneer 0.50 Bulk Insulation R1.50 Name Glass Frame Opening Covering
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50 External Wall Length Wall E 3 3.50 Window Width	Slope 0 Slope 26 Height 2.40 Height 2.40 2.40 Leight 2.40 Height	Shape Hip AdjZ 7 AdjZ 7 10 4 3 Eaves Orient 0.60 15 Eaves Orient	Area 12.60 Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60 Area 6.78 Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50 External Wall Length Wall E 3 3.50	Slope 0 Slope 26 Height 2.40 Height 2.40 2.40 Leight 2.40 Height	Shape Hip AdjZ 7 AdjZ 7 10 4 3 Eaves Orient 0.60 15	Area 12.60 Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60 Area 6.78	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation Type Abs Insulation Brick Veneer 0.50 Bulk Insulation R1.50 Name Glass Frame Opening Covering Shading GGG-05-001a Single Glazed Clear Aluminium
External Floor Ceiling Roof Partition Wall Length Wall P 1 3.50 Door Int Width Door I(1,1) 1.20 Wall P 2 3.60 Wall P 4 2.10 Wall P 5 1.50 External Wall Length Wall E 3 3.50 Window Width	Slope 0 Slope 26 Height 2.40 Height 2.40 2.40 Leight 2.40 Height	Shape Hip AdjZ 7 AdjZ 7 10 4 3 Eaves Orient 0.60 15 Eaves Orient	Area 12.60 Area 12.60 Area 12.60 Area 5.81 Area 2.59 8.64 5.04 3.60 Area 6.78 Area	Covering Type Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Type Insulation Above Ceiling Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Insulation Corrugated Iron 0.30 Bulk, Reflective Side Down, Anti-glare Up R1.00 Type Cavity Panel 70mm gap No Insulation Type Opening in wall Cavity Panel 70mm gap No Insulation

Sleeping 1 Sleeping Area on Level 1

Zone 3

Air Movement Screens Yes		Chimney Gas vent	. Wal	l vents Downlights Ex Fans Ceilin fans 0 0 0 No
External Floor		A:	Area	Covering Type
		15	5.60	Insulation Carpet+Rubber Underlay 18mm Concrete Slab on Ground
		13	. 00	Bulk Insulation in Contact with Floor R0.50
Ceiling	Slope	A:	Area	Type
				Insulation
	0	15	5.60	Above Ceiling Plasterboard
				Bulk Insulation R3.00
				Unventilated roofspace cavity
Roof	Slope	Shape		Type Solar Abs
	26	Hip		Insulation Corrugated Iron 0.30
		<u>-</u> -		Bulk, Reflective Side Down, Anti-glare Up R1.00
Partition Wall Length	Height	AdjZ A:	Area	Type
Wall P 2 3.90			7.79	Cavity Panel 70mm gap No Insulation
Door Int Width Door I(2, 1) 0.75	_	-	Area L.57	Type Hollow core door
Wall P 3 1.50			3.60	Cavity Panel 70mm gap No Insulation
Wall P 4 2.00			1.80	Cavity Panel 70mm gap No Insulation
Wall P 5 2.10		4 3	3.47	Cavity Panel 70mm gap No Insulation
	Height	2	Area	Туре
Door I(5, 1) 0.77 External Wall Length			l.57 Area	Hollow core door Type Abs
Excellial Wall Length	neight.	Laves Offenc A.	irea	Type Abs Insulation
Wall E 1 1.60	2.40	7.50 195 3	3.84	Brick Veneer 0.50
				Bulk Insulation R1.50
Wall E 6 3.50	2.40	0.60 15 8	3.40	Brick Veneer 0.50
Wall E 7 3.60	2.40	0.70 105 5	5.40	Bulk Insulation R1.50 Brick Veneer 0.50
Wall E / 5.00	2.40	0.70 103 3	0.40	Bulk Insulation R1.50
Window Width	Height	Eaves Orient A	Area	Name Glass Frame
				Opening Covering
		0.50		Shading
Window(7, 1) 1.80	1.80	0.70 105 3	3.24	GGG-05-001a Single Glazed Clear Aluminium 45% Opening Double Hung Sash Holland Blind
				No Shading
Zone 4 Other Nic		Other Night-time		
Air Movement Screens Yes		Chimney Gas vent No No	: Wal.	l vents Downlights Ex Fans Ceilin fans 0 0 No
External Floor	163		Area	Covering Type
				Insulation
		4	1.20	Ceramic Tiles 8mm Concrete Slab on Ground
				Bulk Insulation in Contact with Floor R0.50
Ceiling	Slope	A:	Area	Type Insulation
				Above Ceiling
	0	4	1.20	Plasterboard
				Bulk Insulation R3.00
D 6	0.1	6 1		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	=	-	Area	Type
Wall P 2 2.10			3.47	Cavity Panel 70mm gap No Insulation
Door Int Width Door I(2, 1) 0.77	Height	-	Area L.57	Type Hollow core door
Wall P 3 2.00			1.80	Cavity Panel 70mm gap No Insulation
Wall P 4 2.10			5.04	Cavity Panel 70mm gap No Insulation
External Wall Length	n Height	Eaves Orient A	Area	Type Abs Energy Rating Control to 183118
Mall E 1 000	0 40	0.60 15 4	1 20	Insulation Prior Vancon 0.50
Wall E 1 2.00	2.40	0.60 15 4	1.20	Brick Veneer 0.50 Bulk Insulation R1.50
				CFA - 127.39 m2 / UCFA - 12.66 m2

Window	Width	Height	Eaves	Orient	Area	Name Glass Frame Opening Covering
Window(1, 1)	0.60	1.00	0.60	15	0.60	Shading GGG-05-001a Single Glazed Clear Aluminium 45% Opening Sliding, Two Lites Holland Blind
						No Shading
Zone 5 Li Air Movement	v/Kitche Screens	n 1 Seals	Living/ Chimne	Kitchen <i>I</i> ey Gas v		Level 1 ll vents Downlights Ex Fans Ceilin fans
	Yes	Yes		Io No		0 0 No
External Floor					Area	Covering Type
					40 54	Insulation
					49.54	Ceramic Tiles 8mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50
Ceiling		Slope			Area	Type
						Insulation
						Above Ceiling
		0			49.54	Plasterboard Bulk Insulation R3.00
						Unventilated roofspace cavity
Roof		Slope		Shape		Type Solar Abs
						Insulation
		26		Hip		Corrugated Iron 0.30
Partition Wall	I.enath	Height		AdjZ	Area	Bulk, Reflective Side Down, Anti-glare Up R1.00 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	Туре
Door I(3, 1)	1.20	2.15		12	2.59	Opening in wall
Wall P 4	2.90			8	6.96	Cavity Panel 70mm gap No Insulation
Wall P 5 Door Int	2.90 Width	2.40 Height		10 AdjZ	5.39 Area	Cavity Panel 70mm gap No Insulation 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	Туре
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 Wall P 9	1.50 2.80	2.40		7 6	3.60 6.72	Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation
External Wall			Eaves	Orient	Area	Type Abs
	- 3-	. , .				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	6.30	2.40	0.70	195	9.61	Brick Veneer 0.50
Window	Width	Height	Faves	Orient	Area	Bulk Insulation R1.50 Name Glass Frame
Willdow	Widen	nergne	дачез	OTTCHE	nica	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
Window (10 2)	1 00	2 00	0.70	105	2 71	No Shading
Window(10, 2)	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	0.50	2.40	14.40	105	1.20	Brick Veneer 0.50
						Bulk Insulation R1.50
Wall E 12	1.70	2.40	0.20	195	4.08	Brick Veneer 0.50 Superating Continue Market Market
Wall to 10	0 50	2 40	1 00	205	1 20	Bulk Insulation R1.50
Wall E 13	0.50	2.40	4.80	285	1.20	Brick Veneer 0.50 Bulk Insulation R1.50
Wall E 14	1.30	2.40	0.70	195	1.35	Brick Veneer 0.50

				Bulk Insulation R1.50
Window Width	Height	Eaves Orient	Area	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 ve	ent Wal	l vents Downlights Ex Fans Ceilin fans
Yes	Yes	No No	7	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	Туре
				Insulation
	0		F 20	Above Ceiling
	0		5.32	Plasterboard Bulk Insulation R3.00
				Unventilated roofspace cavity
Roof	Slope	Shape		Type Solar Abs
				Insulation
	26	Hip		Corrugated Iron 0.30
Partition Wall Length	Height	AdjZ	Area	Bulk, Reflective Side Down, Anti-glare Up R1.00 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	Туре
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	нетдис	Eaves Orient	Area	Type Abs Insulation
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
Window(1, 1) 1.47	2.10	0.70 195	3.09	Shading GGG-05-001a Single Glazed Clear Aluminium
, , ,				45% Opening Sliding, Two Lites Holland Blind
				No Shading
7 7	G		1 1	
Zone 7 Corridor 1 Air Movement Screens	Seals	ridoor Area on Le Chimney Gas ve		l 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
	F			Insulation
				Above Ceiling
	0		11.23	Plasterboard
				Bulk Insulation R3.00
Roof	Slope	Shape		Unventilated roofspace cavity Type Solar Abs
1001	Diope	Snape		Insulation
	26	Hip		Corrugated Iron 0.30
				Bulk, Reflective Side Down, Anti-glare Up R1.00
Partition Wall Length	_	AdjZ	Area	Type
Wall P 1 4.90 Wall P 2 1.30	2.40	1	11.76 1.55	Cavity Panel 70mm gap No Insulation
	2.40 Height	1 AdjZ	1.55 Area	Cavity Panel 70mm gap No Insulation 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
	Height	Adjz	Area	Type Assert Special Conference
Door I (3, 1) 0.82	2.04	6	1.67	Hollow core door

Wall P 4	1.50	2.40		5	3.60	Cavity Panel 70mm gap No Insulation	
Wall P 5	0.60	2.40		5	1.44	Cavity Panel 70mm gap No Insulation	
Wall P 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	3.50	2.40		2	5.81	Cavity Panel 70mm gap No Insulation	
Door Int		Height		AdjZ	Area	Type	
		2.15		=	2.59		
Door I (7, 1)	1.20			2		Opening in wall	
Wall P 8	3.90	2.40		3	7.79	Cavity Panel 70mm gap No Insulation	
Door Int		Height		AdjZ	Area	Туре	
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	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 Sl	eeping 2	91,	ooning A	rea on Le			
Air Movement			Chimne			l worth Downlights Ev Fons Coilin fons	
All Movement		Seals		-		l vents Downlights Ex Fans Ceilin fans 0 0 No	
	Yes	Yes	IN	Io No			
External Floor					Area	Covering Type	
						Insulation	
					10.44	Carpet+Rubber Underlay 18mm Concrete Slab on Ground	
						Bulk Insulation in Contact with Floor R0.50	
Ceiling		Slope			Area	Туре	
						Insulation	
						Above Ceiling	
		0			10.44	Plasterboard	
		•				Bulk Insulation R3.00	
						Unventilated roofspace cavity	
Doof		Clana		Chane			
Roof		Slope		Shape		11	
		0.5				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	3.60	2.40		10	8.64	Cavity Panel 70mm gap No Insulation	
Wall P 2	2.90	2.40		5	6.96	Cavity Panel 70mm gap No Insulation	
Wall P 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	2.60	2.40		11	6.24	Cavity Panel 70mm gap No Insulation	
External Wall			Farros	Orient	Area	1	
Excellar wall	Dengen	nergiic	Laves	Offenc	ALCa		
rz. 11 p F	0 00	0.40	0 60	1 5	F 0.4	Insulation	
Wall E 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 Frame	
						Opening 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 Sl	eeping 3	Sle	eeping A	rea on Le	vel 1		
Air Movement		Seals	Chimne			l vents Downlights Ex Fans Ceilin fans	
	Yes	Yes		io No		0 0 0 No	
External Floor		100	•	.0	Area	Covering Type	
DACCINGI 11001					nica	Insulation	
					10 04		
					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	I lastelboard & X sepadashquing	i,0 itin
						Bulk Insulation R3.00	M. Marr
						Unventilated roofspace cavity	
Roof		Slope		Shape		Type Solar Abs	914/92/93 Control Con
		-				CFA = 127.39 m2 / UCFA = 12.86 m2	

		0.6		***		Insulation
		26		Hip		Corrugated Iron 0.30
D	T 1 3	TT - 1 - 1-1		3 1 ' 17	7	Bulk, Reflective Side Down, Anti-glare Up R1.00
Partition Wall Wall P 3	_	_		AdjZ	Area	Type
Wall P 4	2.60	2.40		11 11	6.24 0.96	Cavity Panel 70mm gap No Insulation
Wall P 5	1.00	2.40		12	0.83	Cavity Panel 70mm gap No Insulation Cavity Panel 70mm gap No Insulation
Door Int		Height		AdjZ	Area	Type
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			Eaves		Area	Type Abs
marian warr	20119011	11019110	24,00	0110110	111.00	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
	eeping 4		eeping A	rea on Le		
Air Movement		Seals	Chimne	=		l vents Downlights Ex Fans Ceilin fans
	Yes	Yes	N	o No		0 0 No
External Floor					Area	Covering Type
					10 44	Insulation
					10.44	Carpet+Rubber Underlay 18mm Concrete Slab on Ground
0-11:		Cl			7	Bulk Insulation in Contact with Floor R0.50
Ceiling		Slope			Area	Type Insulation
						Above Ceiling
		0			10.44	Plasterboard
		U			10.44	Bulk Insulation R3.00
						Unventilated roofspace cavity
Roof		Slope		Shape		Type Solar Abs
		- 1		1		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	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
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 CFA-127.39 m2 / UCFA-123.6 m2
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
D11	∟ 7 ^		7	- To 12 f		
	t Area 2			n Level 1		l marta Damiliakta En Esca Gaille Co
Air Movement		Seals	Chimne	-		l vents Downlights Ex Fans Ceilin fans
Evtornal Disc	Yes	Yes	N	o No		0 0 0 No
External Floor					Area	Covering Type Insulation
					7.54	Ceramic Tiles 8mm Concrete Slab on Ground
					,	Bulk Insulation in Contact with Floor R0.50
Ceiling		Slope			Area	Type
OCTITING		PIONE			11T CQ	-116-

Insulation Above Ceiling 0 7.54 Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Roof Slope Shape Type Solar Abs Insulation 26 Corrugated Iron 0.30 Hip Bulk, Reflective Side Down, Anti-glare Up R1.00 Partition Wall Length Height AdjZ Area Wall P 2 2.60 2.40 6.24 Cavity Panel 70mm gap No Insulation 8 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 1.57 Hollow core door 12 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 Abs Insulation Wall E 1 2.90 2.40 0.60 15 4.56 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 1.50 0.60 15 2.40 GGG-05-001a Single Glazed Clear Aluminium 45% Opening Sliding, Two Lites Holland Blind No Shading Corridoor Area on Level 1 Zone12 Corridor 2 Air Movement Screens Seals Chimney Gas vent Wall vents Downlights Ex Fans Ceilin fans No 0 0 No No Yes Covering External Floor Area Type Insulation 2.50 Ceramic Tiles 8mm Concrete Slab on Ground Bulk Insulation in Contact with Floor R0.50 Ceiling Slope Type Area Insulation Above Ceiling 2.50 0 Plasterboard Bulk Insulation R3.00 Unventilated roofspace cavity Type Solar Abs Roof Slope Shape Insulation 26 Corrugated Iron 0.30 Hip Bulk, Reflective Side Down, Anti-glare Up R1.00 Partition Wall Length Height AdjZ Area Tvpe 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 0.77 2.04 2.50 2.40 Door I(2, 1) 1.57 9 Hollow core door Wall P 3 11 4.43 Cavity Panel 70mm gap No Insulation Door Int Width Height AdjZ Area Type 0.77 Door I(3, 1) 2.04 1.57 Hollow core door 11 1.00 2.40 Wall P 4 8 0.83 Cavity Panel 70mm gap No Insulation Width Height Door Int AdjZ Area Type Door I(4, 1) 0.77 2.04 1.57 Hollow core door 8 External Wall Length Height Eaves Orient Area Type

Insulation

CFA = 127.39 m2 / UCFA = 12.86 m2

Energy Rating 🖂