

BUILDING ENERGY EFFICIENCY CERTIFICATE

Family & Community Services: Housing NSW

ISSUED TO

118-120 Hannans Road

ADDRESS

Site Lot 139-140

NARWEE

NSW

2209

1006243370

CERTIFICATION NUMBER

10/04/2014

DATE

56

CLIMATE ZONE

AccuRate - v1.1.4.1 (AccuRate)

SOFTWARE

20.5 MJ/m² pa

SIMULATED ENERGY CONSUMPTION - HEATING

11.3 MJ/m² pa

SIMULATED ENERGY CONSUMPTION - COOLING

31.8 MJ/m² pa

TOTAL SIMULATED ENERGY CONSUMPTION

Rachel Clarke

ASSESSOR NAME

20824

ASSESSOR NUMBER

BUILDING SUSTAINABILITY

COMPANY

R. M. Clarke

ASSESSOR SIGNATURE

Issued by a BUILDING THERMAL PERFORMANCE ASSESSOR
accredited by the Association of Building Sustainability Assessors to
provide NatHERS house energy ratings.

Project Certification Number	1006243370
Certification Date	10/04/2014
Assessor Name	Rachel Clarke
Assessor Number	20824
Assessor Company	BUILDING SUSTAINABILITY
Assessor Signature	<i>R. M. Clarke</i>

Client Details	Family & Community Services: Housing NSW
Project Address	Lot 139-140 118-120 Hannans Road NARWEE NSW 2209

Software	AccuRate v1.1.4.1 (AccuRate)	Climate Zone	56
Averaged Simulated Energy: HEATING		20.5 MJ/m2 pa	
Averaged Simulated Energy: COOLING		11.3 MJ/m2 pa	
Averaged Simulated Energy: TOTAL		31.8 MJ/m2 pa	

Averaged **NatHERS** Star Rating

7.5



Sole-Occupancy Unit (SOU) Thermal Performance Specifications							
Unit Number	Certificate Number	Floor Area		Simulated Loads (area adjusted MJ/m2/y)		NatHERS	Rated with Downlights
		Conditioned	Unconditioned	Heating	Cooling	Star Rating	
01	1006243388	64.8	6.3	17.2	11.4	7.8/10	No
02	1006243396	52.1	6.7	22.1	7.2	7.7/10	No
03	1006243404	63.5	7.7	42.1	7.2	6.1/10	No
04	1006243412	64.8	6.3	16.0	11.9	7.8/10	No
05	1006243420	52.1	6.7	9.5	7.5	8.7/10	No
06	1006243438	52.1	6.7	9.3	7.4	8.8/10	No
07	1006243446	64.9	6.3	37.1	10.7	6.3/10	No
08	1006243453	52.4	6.9	21.1	13.9	7.3/10	No
09	1006243461	46.8	0.0	8.7	10.6	8.6/10	No
10	1006243479	46.8	0.0	10.5	10.3	8.4/10	No

Project Certification Number	1006243370
Certification Date	10/04/2014

Sole-Occupancy Unit (SOU) Thermal Performance Specifications							
Unit Number	Certificate Number	Floor Area		Simulated Loads (area adjusted MJ/m ² /y)		NatHERS	Rated with Downlights
		Conditioned	Unconditioned	Heating	Cooling	Star Rating	
11	1006243487	52.4	6.9	26.0	14.4	6.9	No
12	1006243495	79.6	0.0	18.9	13.6	7.4	No
13	1006243503	69.0	10.6	29.2	16.3	6.4	No
14	1006243511	69.0	10.6	19.5	14.7	7.3	No
15	1006243529	79.6	0.0	15.6	8.6	8.2	No
16	1006243537	79.6	0.0	25.5	14.5	6.9	No



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U1.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 1, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 2:49:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
19.3	7.4	5.4	32.2	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
17.2	6.6	4.8	28.6	MJ/m ² .annum

Conditioned floor area 64.8 m²

Star Rating



7.8 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U2.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 2, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 2:51:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
25.0	4.3	3.9	33.2	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
22.1	3.8	3.4	29.4	MJ/m ² .annum

Conditioned floor area 52.1 m²

Star Rating

★★★★★★★ 7.7 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U3.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 3, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 2:52:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
49.2	4.4	4.0	57.6	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
42.1	3.8	3.4	49.3	MJ/m ² .annum

Conditioned floor area

63.5 m²

Star Rating



6.1 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U4.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 4, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 2:54:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
17.9	8.0	5.4	31.4	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
16.0	7.1	4.8	28.0	MJ/m ² .annum

Conditioned floor area 64.8 m²

Star Rating



7.8 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U5.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 5, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 2:55:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
10.3	4.3	3.8	18.4	MJ/m ² .annum

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AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
9.5	4.0	3.5	17.0	MJ/m ² .annum

Conditioned floor area

52.1 m²

Star Rating



8.7 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U6.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 6, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 2:57:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
10.1	4.3	3.8	18.1	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
9.3	3.9	3.5	16.8	MJ/m ² .annum

Conditioned floor area

52.1 m²

Star Rating



8.8 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U7.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 7, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:00:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
44.5	7.6	5.2	57.3	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
37.1	6.3	4.4	47.8	MJ/m ² .annum
Conditioned floor area		64.9 m ²		

Star Rating



6.3 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U8.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 8, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:03:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
25.7	11.5	5.5	42.6	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
21.1	9.4	4.5	35.0	MJ/m ² .annum

Conditioned floor area 52.4 m²

Star Rating

★★★★★★ 7.3 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U9.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 9, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:04:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
10.4	7.6	5.0	23.1	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
8.7	6.4	4.2	19.3	MJ/m ² .annum

Conditioned floor area

46.8 m²

Star Rating



8.6 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy
Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing
Corp\1301004 Narwee\re-as\AR1301004_U10.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 10, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:06:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
12.5	7.4	4.9	24.8	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
10.5	6.2	4.1	20.8	MJ/m ² .annum

Conditioned floor area

46.8 m²

Star Rating



8.4 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U11.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R1.0 to external cavity brick; R2.0 to Brick Veneer & metal clad walls
R3.5 ceiling insulation; R1.0 subfloor to unit areas above open carpark
R1.0 foil backed roof insulation
Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: NSW Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 11, 118-120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax:

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:07:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
31.8	12.1	5.7	49.5	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
26.0	9.8	4.6	40.4	MJ/m ² .annum

Conditioned floor area 52.4 m²

Star Rating

★★★★★☆☆ 6.9 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Land & Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U12.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R2.0 to Brick Veneer & metal clad walls

R3.5 ceiling insulation;

R1.0 foil backed roof insulation

Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 12, 118 - 120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax: (02) 9420 4414

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:12:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
23.5	11.5	5.5	40.5	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
18.9	9.2	4.4	32.5	MJ/m ² .annum

Conditioned floor area

79.6 m²

Star Rating



7.4 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1

Nationwide House Energy
Rating Scheme



Project Details

Project Name: 1301004 - NSW Land & Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing
Corp\1301004 Narwee\re-as\AR1301004_U13.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R2.0 to Brick Veneer & metal clad walls

R3.5 ceiling insulation

R1.0 foil backed roof insulation

Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 13, 118 - 120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20753

Phone: (02) 9420 4414

Fax: (02) 9420 4414

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:14:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
37.5	14.4	6.5	58.5	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
29.2	11.2	5.1	45.5	MJ/m ² .annum

Conditioned floor area

69.0 m²

Star Rating



6.4 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Land & Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U14.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R2.0 to Brick Veneer & metal clad walls

R3.5 ceiling insulation

R1.0 foil backed roof insulation

Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 14, 118 - 120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax: (02) 9420 4414

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:16:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
24.9	13.3	5.6	43.8	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
19.5	10.4	4.3	34.3	MJ/m ² .annum

Conditioned floor area

69.0 m²

Star Rating



7.3 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Land & Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U15.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R2.0 to Brick Veneer & metal clad walls

R3.5 ceiling insulation

R1.0 foil backed roof insulation

Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 15, 118 - 120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20753

Phone: (02) 9420 4414

Fax: (02) 9420 4414

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:17:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
18.7	6.5	3.8	29.0	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
15.6	5.4	3.2	24.1	MJ/m ² .annum

Conditioned floor area

79.6 m²

Star Rating



8.2 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5



AccuRate V1.1.4.1



Nationwide House Energy Rating Scheme

Project Details

Project Name: 1301004 - NSW Land & Housing Corporation

File Name: \\Server2\building sustainability\Clients\NSW Housing Corp\1301004 Narwee\re-as\AR1301004_U16.PRO

Postcode: 2209

Climate Zone: 56

Design Option: Base Design

Description: R2.0 to Brick Veneer & metal clad walls

R3.5 ceiling insulation

R1.0 foil backed roof insulation

Aluminium framed windows, U-value=6.35, SHGC=0.77

Client Details

Client Name: Family & Community Services

Phone:

Fax:

Email:

Postal Address:

Site Address: Unit 16, 118 - 120 Hannans Road, NARWEE

Council submitted to (if known by assessor): Canterbury City Council

Assessor Details

Assessor Name: Rachel Clarke

Assessor No. 20824

Phone: (02) 9420 4414

Fax: (02) 9420 4414

Email: info@buildingsustainability.com.au

Assessment Date: 1/04/2014

Time: 3:19:

Project Code: BG0XM

Assessor Signature:

CALCULATED ENERGY REQUIREMENTS*

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
31.8	11.9	6.2	49.9	MJ/m ² .annum

* These energy requirements have been calculated using a standard set of occupant behaviours and so do not necessarily represent the usage pattern or lifestyle of the intended occupants. They should be used solely for the purposes of rating the building. They should not be used to infer actual energy consumption or running costs. The settings used for the simulation are shown in the building data report.

AREA-ADJUSTED ENERGY REQUIREMENTS

Heating	Cooling (sensible)	Cooling (latent)	Total Energy	Units
25.5	9.6	4.9	40.0	MJ/m ² .annum

Conditioned floor area

79.6 m²

Star Rating



6.9 STARS

Area-adjusted star band score thresholds

1 Star	2 Stars	3 Stars	4 Stars	5 Stars	6 Stars	7 Stars	8 Stars	9 Stars	10 Stars
284	186	125	88	66	51	39	26	14	5