

SAP Input

Property Details: Flat 1

Address: Flat 1, Garages adj. to 10 Ferdinand St., Camden, London, NW1 8ET
 Located in: England
 Region: Thames valley
 UPRN:
 Date of assessment: 16 December 2013
 Date of certificate: 24 October 2014
 Assessment type: New dwelling design stage
 Transaction type: New dwelling
 Tenure type: Unknown
 Related party disclosure: No related party
 Thermal Mass Parameter: Indicative Value Medium
 Dwelling designed to use less than 125 litres per Person per day: True

Property description:

Dwelling type: Flat
 Detachment:
 Year Completed: 2013
 Floor Location: Floor area: Storey height:
 Floor 0 79.5 m² 2.4 m
 Living area: 27.5 m² (fraction 0.346)
 Front of dwelling faces: Unspecified

Opening types:

Name:	Source:	Type:	Glazing:	Argon:	Frame:
south	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
east	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
west	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	

Name:	Gap:	Frame Factor:	g-value:	U-value:	Area:	No. of Openings:
south	16mm or more	0.7	0.63	1.4	4.88	1
east	16mm or more	0.7	0.63	1.4	3.8	1
west	16mm or more	0.7	0.63	1.4	4.9	1

Name:	Type-Name:	Location:	Orient:	Width:	Height:
south		South	South	0	0
east		East	East	0	0
west		West	West	0	0

Overshading: Average or unknown

Opaque Elements:

Type:	Gross area:	Openings:	Net area:	U-value:	Ru value:	Curtain wall:	Kappa:
<u>External Elements</u>							
North	37.6	0	37.6	0.2	0	False	N/A
East	16	3.8	12.2	0.2	0	False	N/A
South	15.05	4.88	10.17	0.2	0	False	N/A
West	4.56	4.9	-0.34	0.2	0	False	N/A
flat roof	4.55	0	4.55	0.16	0		N/A
Ground Floor	79.5			0.15			N/A
<u>Internal Elements</u>							
<u>Party Elements</u>							

Thermal bridges:

Thermal bridges: User-defined (individual PSI-values) Y-Value = 0.102
Length **PSI-value**

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Approved source	8.92	0.3	Other lintels (including other steel lintels)
Approved source	8.92	0.04	Sill
Approved source	20.04	0.05	Jamb
Approved source	46	0.16	Ground floor
Approved source	46	0.07	Intermediate floor between dwellings
Approved source	8.66	0.04	Flat roof
Approved source	12	0.09	Corner (normal)
Approved source	2.4	0	Corner (inverted)

Ventilation:

Pressure test:	Yes (As designed)
Ventilation:	Natural ventilation (extract fans)
Number of chimneys:	0
Number of open flues:	0
Number of fans:	3
Number of sides sheltered:	2
Pressure test:	4

Main heating system:

Main heating system:	Central heating systems with radiators or underfloor heating
	Gas boilers and oil boilers
	Fuel: mains gas
	Info Source: Boiler Database
	Database: (rev 366, product index 016776) SEDBUK2009 89.0%
	Brand name: Ideal
	Model: Logic Combi E
	Model qualifier: 30
	(Combi boiler)
	Systems with radiators
	Pump in heat space: Yes
	Enhanced Load Compensator
	Delayed start

Main heating Control:

Main heating Control:	Time and temperature zone control
	Control code: 2110
	Boiler interlock: Yes

Secondary heating system:

Secondary heating system:	None
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Water heating:

Water heating:	From main heating system
	Water code: 901
	Fuel :mains gas
	No hot water cylinder
	Solar panel: False

Others:

Electricity tariff:	standard tariff
In Smoke Control Area:	Yes
Conservatory:	No conservatory
Low energy lights:	100%
Terrain type:	Dense urban
EPC language:	English
Wind turbine:	No
Photovoltaics:	<u>Photovoltaic 1</u>
	Installed Peak power: 1.308
	Tilt of collector: 30°
	Overshading: None or very little

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Assess Zero Carbon Home:	Collector Orientation: South
	No

SAP Input

Property Details: Flat 2

Address: Flat 1, Garages adj. to 10 Ferdinand St., Camden, London, NW1 8ET
 Located in: England
 Region: Thames valley
 UPRN:
 Date of assessment: 16 December 2013
 Date of certificate: 24 October 2014
 Assessment type: New dwelling design stage
 Transaction type: New dwelling
 Tenure type: Unknown
 Related party disclosure: No related party
 Thermal Mass Parameter: Indicative Value Medium
 Dwelling designed to use less than 125 litres per Person per day: True

Property description:

Dwelling type: Flat
 Detachment:
 Year Completed: 2013
 Floor Location: Floor area: Storey height:
 Floor 0 32 m² 2.4 m
 Living area: 21 m² (fraction 0.656)
 Front of dwelling faces: Unspecified

Opening types:

Name:	Source:	Type:	Glazing:	Argon:	Frame:
east	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	

Name:	Gap:	Frame Factor:	g-value:	U-value:	Area:	No. of Openings:
east	16mm or more	0.7	0.63	1.4	6.24	1

Name:	Type-Name:	Location:	Orient:	Width:	Height:
east		East	East	0	0

Overshading: Average or unknown

Opaque Elements:

Type:	Gross area:	Openings:	Net area:	U-value:	Ru value:	Curtain wall:	Kappa:
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External Elements

East	11.16	6.24	4.92	0.2	0	False	N/A
West	11.16	0	11.16	0.2	0.54	False	N/A
flat roof	11.8	0	11.8	0.16	0		N/A
Ground Floor	32			0.15			N/A

Internal Elements

Party Elements

Thermal bridges:

Thermal bridges: User-defined (individual PSI-values) Y-Value = 0.111

	Length	PSI-value	
Approved source	2.89	0.3	Other lintels (including other steel lintels)
Approved source	2.89	0.04	Sill
Approved source	4.32	0.05	Jamb
Approved source	23	0.16	Ground floor
Approved source	23	0.07	Intermediate floor between dwellings
Approved source	15.8	0.04	Flat roof
Approved source	2.4	0.09	Corner (normal)

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Ventilation:

Pressure test: Yes (As designed)
 Ventilation: Natural ventilation (extract fans)
 Number of chimneys: 0
 Number of open flues: 0
 Number of fans: 2
 Number of sides sheltered: 2
 Pressure test: 4

Main heating system:

Main heating system: Central heating systems with radiators or underfloor heating
 Gas boilers and oil boilers
 Fuel: mains gas
 Info Source: Boiler Database
 Database: (rev 366, product index 016776) SEDBUK2009 89.0%
 Brand name: Ideal
 Model: Logic Combi E
 Model qualifier: 30
 (Combi boiler)
 Systems with radiators
 Pump in heat space: Yes
 Enhanced Load Compensator
 Delayed start

Main heating Control:

Main heating Control: Time and temperature zone control
 Control code: 2110
 Boiler interlock: Yes

Secondary heating system:

Secondary heating system: None

Water heating:

Water heating: From main heating system
 Water code: 901
 Fuel :mains gas
 No hot water cylinder
 Solar panel: False

Others:

Electricity tariff: standard tariff
 In Smoke Control Area: Yes
 Conservatory: No conservatory
 Low energy lights: 100%
 Terrain type: Dense urban
 EPC language: English
 Wind turbine: No
 Photovoltaics: Photovoltaic 1
 Installed Peak power: 0.654
 Tilt of collector: 30°
 Overshading: None or very little
 Collector Orientation: South
 Assess Zero Carbon Home: No

SAP Input

Property Details: Flat 3

Address: Flat 1, Garages adj. to 10 Ferdinand St., Camden, London, NW1 8ET
 Located in: England
 Region: Thames valley
 UPRN:
 Date of assessment: 16 December 2013
 Date of certificate: 24 October 2014
 Assessment type: New dwelling design stage
 Transaction type: New dwelling
 Tenure type: Unknown
 Related party disclosure: No related party
 Thermal Mass Parameter: Indicative Value Medium
 Dwelling designed to use less than 125 litres per Person per day: True

Property description:

Dwelling type: Flat
 Detachment:
 Year Completed: 2013
 Floor Location: Floor area: Storey height:
 Floor 0 87 m² 2.9 m
 Living area: 25 m² (fraction 0.287)
 Front of dwelling faces: Unspecified

Opening types:

Name:	Source:	Type:	Glazing:	Argon:	Frame:
south	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
east	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
west	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	

Name:	Gap:	Frame Factor:	g-value:	U-value:	Area:	No. of Openings:
south	16mm or more	0.7	0.63	1.4	3.77	1
east	16mm or more	0.7	0.63	1.4	2.96	1
west	16mm or more	0.7	0.63	1.4	11.8	1

Name:	Type-Name:	Location:	Orient:	Width:	Height:
south		South	South	0	0
east		East	East	0	0
west		West	West	0	0

Overshading: Average or unknown

Opaque Elements:

Type:	Gross area:	Openings:	Net area:	U-value:	Ru value:	Curtain wall:	Kappa:
<u>External Elements</u>							
North	45.4	0	45.4	0.2	0	False	N/A
East	19.33	2.96	16.37	0.2	0	False	N/A
South	20.4	3.77	16.63	0.2	0	False	N/A
West	22.2	11.8	10.4	0.2	0	False	N/A
<u>Internal Elements</u>							
<u>Party Elements</u>							

Thermal bridges:

Thermal bridges: User-defined (individual PSI-values) Y-Value = 0.0764

Length	PSI-value
Approved source 9.04	0.3
Other lintels (including other steel lintels)	

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Approved source	9.04	0.04	Sill
Approved source	13.92	0.05	Jamb
Approved source	48.3	0.07	Intermediate floor between dwellings
Approved source	11.6	0.09	Corner (normal)
Approved source	2.9	0	Corner (inverted)

Ventilation:

Pressure test:	Yes (As designed)
Ventilation:	Natural ventilation (extract fans)
Number of chimneys:	0
Number of open flues:	0
Number of fans:	3
Number of sides sheltered:	2
Pressure test:	4

Main heating system:

Main heating system:	Central heating systems with radiators or underfloor heating
	Gas boilers and oil boilers
	Fuel: mains gas
	Info Source: Boiler Database
	Database: (rev 366, product index 016776) SEDBUK2009 89.0%
	Brand name: Ideal
	Model: Logic Combi E
	Model qualifier: 30
	(Combi boiler)
	Systems with radiators
	Pump in heat space: Yes
	Enhanced Load Compensator
	Delayed start

Main heating Control:

Main heating Control:	Time and temperature zone control
	Control code: 2110
	Boiler interlock: Yes

Secondary heating system:

Secondary heating system:	None
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Water heating:

Water heating:	From main heating system
	Water code: 901
	Fuel :mains gas
	No hot water cylinder
	Solar panel: False

Others:

Electricity tariff:	standard tariff
In Smoke Control Area:	Yes
Conservatory:	No conservatory
Low energy lights:	100%
Terrain type:	Dense urban
EPC language:	English
Wind turbine:	No
Photovoltaics:	<u>Photovoltaic 1</u>
	Installed Peak power: 0.981
	Tilt of collector: 30°
	Overshading: None or very little
	Collector Orientation: South
Assess Zero Carbon Home:	No

SAP Input

SAP Input

Property Details: Flat 4

Address: Flat 1, Garages adj. to 10 Ferdinand St., Camden, London, NW1 8ET
 Located in: England
 Region: Thames valley
 UPRN:
 Date of assessment: 16 December 2013
 Date of certificate: 24 October 2014
 Assessment type: New dwelling design stage
 Transaction type: New dwelling
 Tenure type: Unknown
 Related party disclosure: No related party
 Thermal Mass Parameter: Indicative Value Medium
 Dwelling designed to use less than 125 litres per Person per day: True

Property description:

Dwelling type: Flat
 Detachment:
 Year Completed: 2013
 Floor Location: Floor area: Storey height:
 Floor 0 49.4 m² 2.9 m
 Living area: 23.9 m² (fraction 0.484)
 Front of dwelling faces: Unspecified

Opening types:

Name:	Source:	Type:	Glazing:	Argon:	Frame:
east	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
west	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	

Name:	Gap:	Frame Factor:	g-value:	U-value:	Area:	No. of Openings:
east	16mm or more	0.7	0.63	1.4	4.9	1
west	16mm or more	0.7	0.63	1.4	11.8	1

Name:	Type-Name:	Location:	Orient:	Width:	Height:
east		East	East	0	0
west		West	West	0	0

Overshading: Average or unknown

Opaque Elements:

Type:	Gross area:	Openings:	Net area:	U-value:	Ru value:	Curtain wall:	Kappa:
<u>External Elements</u>							
East	13.5	4.9	8.6	0.2	0	False	N/A
West	19.2	11.8	7.4	0.2	0	False	N/A
<u>Internal Elements</u>							
<u>Party Elements</u>							

Thermal bridges:

Thermal bridges: User-defined (individual PSI-values) Y-Value = 0.169

	Length	PSI-value	
Approved source	7.16	0.3	Other lintels (including other steel lintels)
Approved source	7.16	0.04	Sill
Approved source	13.9	0.05	Jamb
Approved source	30.5	0.07	Intermediate floor between dwellings
Approved source	2.9	0.09	Corner (normal)

SAP Input

Ventilation:

Pressure test: Yes (As designed)
 Ventilation: Natural ventilation (extract fans)
 Number of chimneys: 0
 Number of open flues: 0
 Number of fans: 2
 Number of sides sheltered: 2
 Pressure test: 4

Main heating system:

Main heating system: Central heating systems with radiators or underfloor heating
 Gas boilers and oil boilers
 Fuel: mains gas
 Info Source: Boiler Database
 Database: (rev 366, product index 016776) SEDBUK2009 89.0%
 Brand name: Ideal
 Model: Logic Combi E
 Model qualifier: 30
 (Combi boiler)
 Systems with radiators
 Pump in heat space: Yes
 Enhanced Load Compensator
 Delayed start

Main heating Control:

Main heating Control: Time and temperature zone control
 Control code: 2110
 Boiler interlock: Yes

Secondary heating system:

Secondary heating system: None

Water heating:

Water heating: From main heating system
 Water code: 901
 Fuel :mains gas
 No hot water cylinder
 Solar panel: False

Others:

Electricity tariff: standard tariff
 In Smoke Control Area: Yes
 Conservatory: No conservatory
 Low energy lights: 100%
 Terrain type: Dense urban
 EPC language: English
 Wind turbine: No
 Photovoltaics: Photovoltaic 1
 Installed Peak power: 0.981
 Tilt of collector: 30°
 Overshading: None or very little
 Collector Orientation: South
 Assess Zero Carbon Home: No

SAP Input

Property Details: Flat 5

Address: Flat 1, Garages adj. to 10 Ferdinand St., Camden, London, NW1 8ET
 Located in: England
 Region: Thames valley
 UPRN:
 Date of assessment: 16 December 2013
 Date of certificate: 24 October 2014
 Assessment type: New dwelling design stage
 Transaction type: New dwelling
 Tenure type: Unknown
 Related party disclosure: No related party
 Thermal Mass Parameter: Indicative Value Medium
 Dwelling designed to use less than 125 litres per Person per day: True

Property description:

Dwelling type: Flat
 Detachment:
 Year Completed: 2013
 Floor Location: Floor area: Storey height:
 Floor 0 74 m² 2.9 m
 Living area: 25 m² (fraction 0.287)
 Front of dwelling faces: Unspecified

Opening types:

Name:	Source:	Type:	Glazing:	Argon:	Frame:
south	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
east	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
west	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
north	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	

Name:	Gap:	Frame Factor:	g-value:	U-value:	Area:	No. of Openings:
south	16mm or more	0.7	0.63	1.4	3.75	1
east	16mm or more	0.7	0.63	1.4	1.85	1
west	16mm or more	0.7	0.63	1.4	4.06	1
north	16mm or more	0.7	0.63	1.4	2.64	1

Name:	Type-Name:	Location:	Orient:	Width:	Height:
south		South	South	0	0
east		East	East	0	0
west		West	West	0	0
north		North	North	0	0

Overshading: Average or unknown

Opaque Elements:

Type:	Gross area:	Openings:	Net area:	U-value:	Ru value:	Curtain wall:	Kappa:
<u>External Elements</u>							
North	45.4	2.64	42.76	0.2	0	False	N/A
East	19.33	1.85	17.48	0.2	0	False	N/A
South	20.1	3.75	16.35	0.2	0	False	N/A
West	12.9	4.06	8.84	0.2	0	False	N/A
<u>Internal Elements</u>							
<u>Party Elements</u>							

Thermal bridges:

SAP Input

Thermal bridges:

User-defined (individual PSI-values) Y-Value = 0.0817

	Length	PSI-value	
Approved source	9.3	0.3	Other lintels (including other steel lintels)
Approved source	9.3	0.04	Sill
Approved source	12.96	0.05	Jamb
Approved source	44.7	0.07	Intermediate floor between dwellings
Approved source	11.6	0.09	Corner (normal)
Approved source	2.9	0	Corner (inverted)

Ventilation:

Pressure test:	Yes (As designed)
Ventilation:	Natural ventilation (extract fans)
Number of chimneys:	0
Number of open flues:	0
Number of fans:	3
Number of sides sheltered:	2
Pressure test:	4

Main heating system:

Main heating system:	Central heating systems with radiators or underfloor heating
	Gas boilers and oil boilers
	Fuel: mains gas
	Info Source: Boiler Database
	Database: (rev 366, product index 016776) SEDBUK2009 89.0%
	Brand name: Ideal
	Model: Logic Combi E
	Model qualifier: 30
	(Combi boiler)
	Systems with radiators
	Pump in heat space: Yes
	Enhanced Load Compensator
	Delayed start

Main heating Control:

Main heating Control:	Time and temperature zone control
	Control code: 2110
	Boiler interlock: Yes

Secondary heating system:

Secondary heating system:	None
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Water heating:

Water heating:	From main heating system
	Water code: 901
	Fuel :mains gas
	No hot water cylinder
	Solar panel: False

Others:

Electricity tariff:	standard tariff
In Smoke Control Area:	Yes
Conservatory:	No conservatory
Low energy lights:	100%
Terrain type:	Dense urban
EPC language:	English
Wind turbine:	No
Photovoltaics:	<u>Photovoltaic 1</u>
	Installed Peak power: 0.981
	Tilt of collector: 30°
	Overshading: None or very little

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Assess Zero Carbon Home:	Collector Orientation: South
	No

SAP Input

Property Details: Flat 6

Address: Flat 1, Garages adj. to 10 Ferdinand St., Camden, London, NW1 8ET
 Located in: England
 Region: Thames valley
 UPRN:
 Date of assessment: 16 December 2013
 Date of certificate: 24 October 2014
 Assessment type: New dwelling design stage
 Transaction type: New dwelling
 Tenure type: Unknown
 Related party disclosure: No related party
 Thermal Mass Parameter: Indicative Value Medium
 Dwelling designed to use less than 125 litres per Person per day: True

Property description:

Dwelling type: Flat
 Detachment:
 Year Completed: 2013
 Floor Location: Floor area: Storey height:
 Floor 0 61 m² 2.9 m
 Living area: 23.5 m² (fraction 0.385)
 Front of dwelling faces: Unspecified

Opening types:

Name:	Source:	Type:	Glazing:	Argon:	Frame:
east	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
west	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	

Name:	Gap:	Frame Factor:	g-value:	U-value:	Area:	No. of Openings:
east	16mm or more	0.7	0.63	1.4	3.07	1
west	16mm or more	0.7	0.63	1.4	17.64	1

Name:	Type-Name:	Location:	Orient:	Width:	Height:
east		East	East	0	0
west		West	West	0	0

Overshading: Average or unknown

Opaque Elements:

Type:	Gross area:	Openings:	Net area:	U-value:	Ru value:	Curtain wall:	Kappa:
<u>External Elements</u>							
East	13.5	3.07	10.43	0.2	0	False	N/A
West	27.9	17.64	10.26	0.2	0	False	N/A
<u>Internal Elements</u>							
<u>Party Elements</u>							

Thermal bridges:

Thermal bridges: User-defined (individual PSI-values) Y-Value = 0.1678

	Length	PSI-value	
Approved source	9.61	0.3	Other lintels (including other steel lintels)
Approved source	9.61	0.04	Sill
Approved source	17.1	0.05	Jamb
Approved source	36.6	0.07	Intermediate floor between dwellings
Approved source	2.9	0.09	Corner (normal)

SAP Input

Ventilation:

Pressure test: Yes (As designed)
 Ventilation: Natural ventilation (extract fans)
 Number of chimneys: 0
 Number of open flues: 0
 Number of fans: 2
 Number of sides sheltered: 2
 Pressure test: 4

Main heating system:

Main heating system: Central heating systems with radiators or underfloor heating
 Gas boilers and oil boilers
 Fuel: mains gas
 Info Source: Boiler Database
 Database: (rev 366, product index 016776) SEDBUK2009 89.0%
 Brand name: Ideal
 Model: Logic Combi E
 Model qualifier: 30
 (Combi boiler)
 Systems with radiators
 Pump in heat space: Yes
 Enhanced Load Compensator
 Delayed start

Main heating Control:

Main heating Control: Time and temperature zone control
 Control code: 2110
 Boiler interlock: Yes

Secondary heating system:

Secondary heating system: None

Water heating:

Water heating: From main heating system
 Water code: 901
 Fuel :mains gas
 No hot water cylinder
 Solar panel: False

Others:

Electricity tariff: standard tariff
 In Smoke Control Area: Yes
 Conservatory: No conservatory
 Low energy lights: 100%
 Terrain type: Dense urban
 EPC language: English
 Wind turbine: No
 Photovoltaics: Photovoltaic 1
 Installed Peak power: 0.981
 Tilt of collector: 30°
 Overshading: None or very little
 Collector Orientation: South
 Assess Zero Carbon Home: No

SAP Input

Property Details: Flat 7

Address: Flat 1, Garages adj. to 10 Ferdinand St., Camden, London, NW1 8ET
 Located in: England
 Region: Thames valley
 UPRN:
 Date of assessment: 16 December 2013
 Date of certificate: 24 October 2014
 Assessment type: New dwelling design stage
 Transaction type: New dwelling
 Tenure type: Unknown
 Related party disclosure: No related party
 Thermal Mass Parameter: Indicative Value Medium
 Dwelling designed to use less than 125 litres per Person per day: True

Property description:

Dwelling type: Flat
 Detachment:
 Year Completed: 2013
 Floor Location: Floor area: Storey height:
 Floor 0 74 m² 2.9 m
 Living area: 25 m² (fraction 0.287)
 Front of dwelling faces: Unspecified

Opening types:

Name:	Source:	Type:	Glazing:	Argon:	Frame:
south	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
east	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
west	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
north	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
Rooflight	Manufacturer	Roof Windows	low-E, En = 0.05, soft coat	Yes	

Name:	Gap:	Frame Factor:	g-value:	U-value:	Area:	No. of Openings:
south	16mm or more	0.7	0.63	1.4	3.75	1
east	16mm or more	0.7	0.63	1.4	1.85	1
west	16mm or more	0.7	0.63	1.4	4.06	1
north	16mm or more	0.7	0.63	1.4	2.64	1
Rooflight	16mm or more	0.7	0.63	1.4	3.13	1

Name:	Type-Name:	Location:	Orient:	Width:	Height:
south		South	South	0	0
east		East	East	0	0
west		West	West	0	0
north		North	North	0	0
Rooflight		roof	Horizontal	0	0

Overshading: Average or unknown

Opaque Elements:

Type:	Gross area:	Openings:	Net area:	U-value:	Ru value:	Curtain wall:	Kappa:
<u>External Elements</u>							
North	45.4	2.64	42.76	0.2	0	False	N/A
East	19.33	1.85	17.48	0.2	0	False	N/A
South	20.1	3.75	16.35	0.2	0	False	N/A
West	12.9	4.06	8.84	0.2	0	False	N/A
roof	74	3.13	70.87	0.16	0		N/A
<u>Internal Elements</u>							

SAP Input

Party Elements

Thermal bridges:

Thermal bridges:	User-defined (individual PSI-values) Y-Value = 0.0387		
	Length	PSI-value	
Approved source	9.3	0.3	Other lintels (including other steel lintels)
Approved source	9.3	0.04	Sill
Approved source	12.96	0.05	Jamb
Approved source	44.7	0.04	Flat roof
Approved source	11.6	0.09	Corner (normal)
Approved source	2.9	0	Corner (inverted)

Ventilation:

Pressure test:	Yes (As designed)
Ventilation:	Natural ventilation (extract fans)
Number of chimneys:	0
Number of open flues:	0
Number of fans:	3
Number of sides sheltered:	2
Pressure test:	4

Main heating system:

Main heating system:	Central heating systems with radiators or underfloor heating
	Gas boilers and oil boilers
	Fuel: mains gas
	Info Source: Boiler Database
	Database: (rev 366, product index 016776) SEDBUK2009 89.0%
	Brand name: Ideal
	Model: Logic Combi E
	Model qualifier: 30
	(Combi boiler)
	Systems with radiators
	Pump in heat space: Yes
	Enhanced Load Compensator
	Delayed start

Main heating Control:

Main heating Control:	Time and temperature zone control
	Control code: 2110
	Boiler interlock: Yes

Secondary heating system:

Secondary heating system:	None
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Water heating:

Water heating:	From main heating system
	Water code: 901
	Fuel :mains gas
	No hot water cylinder
	Solar panel: False

Others:

Electricity tariff:	standard tariff
In Smoke Control Area:	Yes
Conservatory:	No conservatory
Low energy lights:	100%
Terrain type:	Dense urban
EPC language:	English
Wind turbine:	No

SAP Input

Photovoltaics:

Photovoltaic 1

Installed Peak power: 0.981

Tilt of collector: 30°

Overshading: None or very little

Collector Orientation: South

Assess Zero Carbon Home:

No

SAP Input

Property Details: Flat 8

Address: Flat 1, Garages adj. to 10 Ferdinand St., Camden, London, NW1 8ET
 Located in: England
 Region: Thames valley
 UPRN:
 Date of assessment: 16 December 2013
 Date of certificate: 24 October 2014
 Assessment type: New dwelling design stage
 Transaction type: New dwelling
 Tenure type: Unknown
 Related party disclosure: No related party
 Thermal Mass Parameter: Indicative Value Medium
 Dwelling designed to use less than 125 litres per Person per day: True

Property description:

Dwelling type: Flat
 Detachment:
 Year Completed: 2013
 Floor Location: Floor area: Storey height:
 Floor 0 61 m² 2.9 m
 Living area: 23.5 m² (fraction 0.385)
 Front of dwelling faces: Unspecified

Opening types:

Name:	Source:	Type:	Glazing:	Argon:	Frame:
east	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
west	Manufacturer	Windows	low-E, En = 0.05, soft coat	Yes	
rooflight	Manufacturer	Roof Windows	low-E, En = 0.05, soft coat	Yes	

Name:	Gap:	Frame Factor:	g-value:	U-value:	Area:	No. of Openings:
east	16mm or more	0.7	0.63	1.4	3.07	1
west	16mm or more	0.7	0.63	1.4	17.64	1
rooflight	16mm or more	0.7	0.63	1.4	5	1

Name:	Type-Name:	Location:	Orient:	Width:	Height:
east		East	East	0	0
west		West	West	0	0
rooflight		roof	Horizontal	0	0

Overshading: Average or unknown

Opaque Elements:

Type:	Gross area:	Openings:	Net area:	U-value:	Ru value:	Curtain wall:	Kappa:
<u>External Elements</u>							
East	13.5	3.07	10.43	0.2	0	False	N/A
West	27.9	17.64	10.26	0.2	0	False	N/A
roof	61	5	56	0.16	0		N/A
<u>Internal Elements</u>							
<u>Party Elements</u>							

Thermal bridges:

Thermal bridges:	User-defined (individual PSI-values) Y-Value = 0.0571		
	Length	PSI-value	
Approved source	9.61	0.3	Other lintels (including other steel lintels)
Approved source	9.61	0.04	Sill

SAP Input

Approved source	17.1	0.05	Jamb
Approved source	36.6	0.04	Flat roof
Approved source	2.9	0.09	Corner (normal)

Ventilation:

Pressure test:	Yes (As designed)
Ventilation:	Natural ventilation (extract fans)
Number of chimneys:	0
Number of open flues:	0
Number of fans:	2
Number of sides sheltered:	2
Pressure test:	4

Main heating system:

Main heating system:	Central heating systems with radiators or underfloor heating
	Gas boilers and oil boilers
	Fuel: mains gas
	Info Source: Boiler Database
	Database: (rev 366, product index 016776) SEDBUK2009 89.0%
	Brand name: Ideal
	Model: Logic Combi E
	Model qualifier: 30
	(Combi boiler)
	Systems with radiators
	Pump in heat space: Yes
	Enhanced Load Compensator
	Delayed start

Main heating Control:

Main heating Control:	Time and temperature zone control
	Control code: 2110
	Boiler interlock: Yes

Secondary heating system:

Secondary heating system:	None
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Water heating:

Water heating:	From main heating system
	Water code: 901
	Fuel :mains gas
	No hot water cylinder
	Solar panel: False

Others:

Electricity tariff:	standard tariff
In Smoke Control Area:	Yes
Conservatory:	No conservatory
Low energy lights:	100%
Terrain type:	Dense urban
EPC language:	English
Wind turbine:	No
Photovoltaics:	<u>Photovoltaic 1</u>
	Installed Peak power: 0.981
	Tilt of collector: 30°
	Overshading: None or very little
	Collector Orientation: South
Assess Zero Carbon Home:	No