

Project Information

Building type Detached house

Plot number Pen Y Gaer

Reference

Date 2 February 2015

Client Barry Barnett
Siamber Wen

Project Pen y Gaer Bungalow
Pen y Gaer Road
Trevor
LLANGOLLEN
LL207YN

Garth
Llangollen
LL207UY

Tel: 01978822013

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Pen Y Gaer Part L 2010

Pen y Gaer Bungalow
Pen y Gaer Road
Trevor
LLANGOLLEN
LL207YN

Located in: England or Wales
Region: West Pennines
Postcode: LL207YN
UPRN: 7743282378
Date of assessment: 2015-02-02
Date of certificate: 2015-02-20
Assessment type: New dwelling as built
Tenure: Unknown
Transaction type: New dwelling
Related party disclosure: No related party

Property description

Dwelling type: Detached house
Ground floor (1) area = 88.26m² storey height = 2.30m
First floor area = 88.26m² storey height = 2.13m

Living area: 35.69 (fraction 0.202)

Front of dwelling faces: SouthEast

Doors

Solid door area = 1.89 U = 3.00
Half glazed door area = 1.89 U = 2.45
Half glazed door area = 1.89 U = 2.45

- Double-glazed, air-filled, low-E, En=0.1, soft coat (NorthWest)
- Double-glazed, air-filled, low-E, En=0.1, soft coat (NorthEast)

Windows

Window area = 1.08 U = 1.50

- Double-glazed, argon filled, low-E, En=0.1, soft coat (NorthWest)

Overshading: Average or unknown (20-60 % sky blocked)

Window area = 0.54 U = 1.50

- Double-glazed, argon filled, low-E, En=0.1, soft coat (NorthWest)

Overshading: Average or unknown (20-60 % sky blocked)

Window area = 1.08 U = 1.50

- Double-glazed, argon filled, low-E, En=0.1, soft coat (NorthWest)

Overshading: Average or unknown (20-60 % sky blocked)

Window area = 1.08 U = 1.50

- Double-glazed, argon filled, low-E, En=0.1, soft coat (SouthWest)

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Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 1.38	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (NorthEast)
Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 0.99	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (NorthWest)
Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 0.99	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (NorthWest)
Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 0.99	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (NorthWest)
Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 0.99	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (SouthEast)
Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 0.99	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (SouthEast)
Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 2.43	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (SouthEast)
Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 2.43	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (SouthEast)
Overshading:	Average or unknown (20-60 % sky blocked)		
Window	area = 2.43	U = 1.50	- Double-glazed, argon filled, low-E, En=0.1, soft coat (SouthEast)
Overshading:	Average or unknown (20-60 % sky blocked)		
Rooflights			
Opaque Elements			
Roofs	area = 38.53	U = 0.14, k = 9.0	flat ceilings 3.35 x 11.5 = 38.525
Walls	area = 8.29	U = 0.30, k = 9.0	Dormer faces 6 x 1.368995 = 8.291397
Walls	area = 99.73	U = 0.15, k = 60.0	Turbo blockwork walls, 50mm Thermaline Super ins. p/b on d/ds 38.35m x 2.3 = 88.205 14.70675m ² x 2 = 29.4135 1.342 x .465 x 6 = 3.74 =

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Walls	area = 14.92	U = 0.30, k = 9.0	DormerCheeks 6x2.163x1.15=14.9247
Ground floors	area = 88.26	U = 0.20, k = 110.0	GroundBearingSlab
Roofs	area = 4.67	U = 0.30, k = 9.0	Dormer roof sections .36x2.163x6=4.672
Thermal bridges:	NOT Accredited Construction Details (y = 0.1500)		
Thermal mass:	Calculated from k values		
Pressure test:	No (q50 - 15.00) : measured in this dwelling : Yes		
Ventilation:	Natural ventilation with intermittent extract fans		
Number of chimneys:	0		
Number of open flues:	1		
Number of intermittent fans:	3		
Number of passive stacks:	0		
Number of sides sheltered:	2.00		
Measured/design q50:	15.00		
Main heating system:	Central heating systems with radiators or underfloor heating Oil boilers Condensing combi Index: 15237 Eff 81.90% / 90.00% Worcester Greenstar Heatslave External 25/32 Radiators Pump in heated space: Yes Oil Pump in heated space: Yes Boiler has load or weather compensator: No Boiler Interlock: Yes Design flow temperature : Unknown Central heating pump 2013 or later Heating oil		
Main heating controls:	Time and temperature zone control		
Boiler has load compensator:	No		
Boiler has weather compensator:	No		
Boiler has enhanced load compensator:	No		
Boiler interlock:	Yes		
Second main heating system:	Central heating systems with radiators or underfloor heating Solid fuel boilers Closed roomheater with boiler to radiators Boiler efficiency taken from values in Table 4. Flue : Unknown Draught : Unknown		

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	Radiators
	Pump in heated space: Yes
	Boiler Interlock: Yes
	Design flow temperature : Unknown
	Central heating pump 2013 or later
	Solid fuel room heater is HETAS approved: Yes
	Wood logs
	Wood logs - Exempted appliances only if the dwelling is in a Smoke Control Area.
Main heating controls:	Programmer + TRVs + bypass
Secondary heating system:	Room heater systems
	Solid fuel
	Closed room heater with boiler (no radiators)
	Wood logs
	Solid fuel room heater is HETAS approved: Yes
Water heating:	Combination boiler
	Combination boiler type : Instantaneous
	Solar panel: no
Water use <= 125 litres/person/day:	No
Low energy lights:	100.0% of fixed lighting outlets
Total fixed lighting outlets:	40
Electricity tariff:	Standard tariff
Photovoltaics 1:	Peak kW: 0.00
Photovoltaics 2:	Peak kW: 0.00
Photovoltaics 3:	Peak kW: 0.00
Conservatory:	No
Fixed air conditioning:	No
Smoke Control Area:	No
Additional allowable electricity generation :	
0.00kg/m ² /year	