
Winworth Construction

As Built Part L1A 2014 Compliancy Assessment Report

Former Bulls Head site/ Oscar House

21 March 2023

Watt Energy & Consulting Engineers Ltd
40 King Street, Manchester, M2 6BA

t. 0161 43 43 103
w. www.wece.co.uk
e. office@wece.co.uk

watt 
Energy & Consulting Engineers

Issue Control

Director

Daniel Watt



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Appendices

A. Block Compliance

* Section 1 of this report details the design specification required in achieving building regulation compliancy. This specification incorporates the U-values, low energy lighting, DHW provision, heating type & controls, ventilation strategy, and low zero carbon technologies that must be achieved to demonstrate PartL1A 2014 compliancy.



1. As Built AD Part L1A 2014 Construction Specification

This section details the design specification.

Construction Specification & Design

U-Values (W/m2K)	
Windows (type 1)	1.35
Ground floor	0.15
Walls (type 1- External) excluding windows and doors	0.27
Walls (type 2- Eco-Therm) excluding windows and doors	0.15
Walls (type 3- Aluminium Clad Walls to 4 th & 5 th Floors) excluding windows and doors	0.23
Roof (type 1- Flat roof and Terrace) excluding roof lights	0.17
Other	

Air Pressure Test	
Design Air Permeability (m ³ /(hm ²) @ 50Pa)	Air tests completed

Mechanical & Electrical Specification & Design

Lighting	
Percentage Lighting Low Energy fixed fittings:	100%

Hot Water Cylinder	
Cylinder Size (l)	120
Insulation thickness (mm)	100



Heating	
Boiler Fuel	Electric panel heater
Boiler Efficiency	100%
Secondary Heating	N/A

Primary Heating Controls
Programmer and room thermostats

Ventilation Strategy
MVHR- Vent Axia Sentinel Kinetic FH

Low Zero Carbon Technologies
10.66 kWp PV array (0.395 kWp to each flat)

2. Planning Targets

In relation to policy EN 6, the development was required to achieve a 15% Carbon Reduction over Part L 2010 Compliancy of the Building Regulations. This equates to a 6% Carbon Reduction over Part L 2014 Compliancy.

The predicted site wide reduction in CO₂ over Part L 2014 of the Building Regulations was calculated at 6.3% in 2017.

Following the installed M&E, LZC technologies and fabric specification, the development is achieving a **6.91%** improvement over Part L 2014.

Total Floor Area	1499.30
Average TER	25.47
Average DER	23.71
Average DFEE	29.81
Average TFEE	39.49
Compliance	Pass
% Improvement DER TER	6.91
% Improvement DFEE TFEE	24.51

Fig 1: Block Compliance

3. Photographic Evidence



Fig 2: MVHR Unit



Fig 4: Low Energy LED Lighting

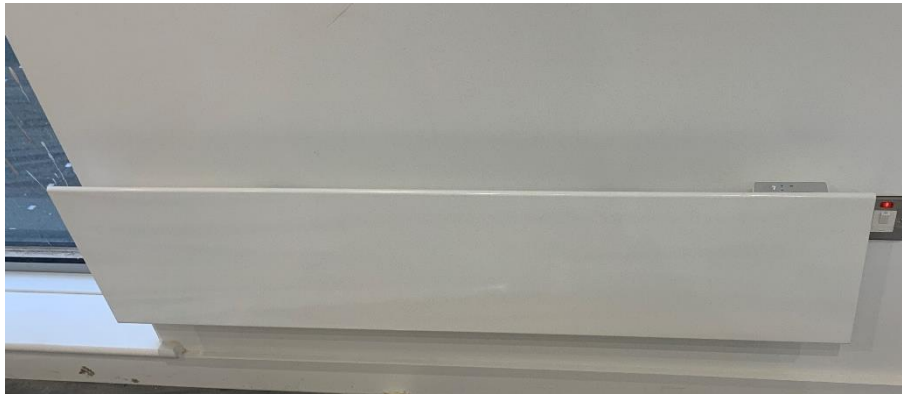


Fig 5: Electric Panel Heater



Fig 6: Electric Shower Connected to Immersion Cylinder



Fig 7: Double-Glazed Windows



Fig 8: PV Panels to Roof

Block Compliance WorkSheet: As Built

User Details

Assessor Name:

Software Name: Stroma FSAP

Stroma Number:

Software Version:

Version: 1.0.5.60

Calculation Details

Dwelling	DER	TER	DFEE	TFEE	TFA
Plot 1	28.29	34.39	41.8	51.7	33.8
Plot 2	24.55	26.97	39.1	47	60.3
Plot 3	26.59	28.18	29.3	36.9	39.7
Plot 4	18.18	23.16	24.2	32.6	60.1
Plot 5	23.13	23.8	25.7	35.3	60.7
Plot 6	32.77	32.08	41.5	47.8	37.5
Plot 7	22.68	29.84	31.7	40.2	36
Plot 8	20.31	23.74	30.6	37.2	61.4
Plot 9	21.85	21.64	23.2	27.8	60.8
Plot 10	15.24	19.83	15.5	21.1	60.1
Plot 11	22.04	21.82	24.9	30.2	61.35
Plot 12	25.86	28.62	30.7	38.2	37.5
Plot 13	22.68	29.84	31.7	40.2	36
Plot 14	20.31	23.74	30.6	37.2	61.4
Plot 15	21.85	21.64	23.2	27.8	60.8
Plot 16	18.11	19.83	15.5	21.1	60.1
Plot 17	26.34	26.96	33.1	47.3	61.35
Plot 18	29.66	35.22	37.8	60.5	37.5
Plot 19	27.84	33.3	33	52.2	36
Plot 20	25.05	26.58	31.3	46.6	61.4
Plot 21	24.27	26.54	29.4	45.8	60.8
Plot 22	18.23	19.85	15.3	20.7	60.1
Plot 23	28.78	27.01	39.4	51.9	74.5
Plot 24	30.1	27.69	44.3	55.3	75.4
Plot 25	25.01	25	30.9	40.4	58.3
Plot 26	26.37	26.95	36.1	52.2	72.4

Block Compliance WorkSheet: As Built Cont...

Dwelling	DER	TER	DFEE	TFEE	TFA
Plot 27	21.62	21.92	24.7	33.6	74

Calculation Summary

Total Floor Area	1499.30
Average TER	25.47
Average DER	23.71
Average DFEE	29.81
Average TFEE	39.49
Compliance	Pass
% Improvement DER TER	6.91
% Improvement DFEE TFEE	24.51