# Block Compliance



**Property Reference:** IW.02.01
**Survey Reference:** As Designed
**Property:** Manchester, M4 6DH

**Issued on Date:** 14/08/2023
**Prop Type Ref:** 2B4P

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|---|---|---|---|---|---|---|---|---|---|
| **SAP Rating:** | 82 B | **CO2 Emissions (t/year):** | 1.46 | **DER:** 21.40 Pass | **Reduction:** 18.4% | **FEE:** 36.7 | **ZC8:** | 0.00 |
| **Environmental:** | 84 B | **General Requirements Compliance:** | Fail | **TER:** 26.22 | | **HLP:** 0.84 | **Energy cost:** | £ 1228 |

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|---|---|---|---|---|---|
| **CfSH Results** | **Version:** | **ENE1 Credits:** N/A | **ENE2 Credits:** N/A | **ENE7 Credits:** N/A | **CfSH Level:** N/A |

Surveyor: Julian Maybury, Tel: 07747 690076 Surveyor ID: J224-0001
Address: 6 Northop Road, Wallasey, Wirral, CH45 4QD
Client:

Software Version: Elmhurst Energy Systems SAP2009 Calculator (Design System) version 4.04r04
SAP version: SAP 2009, Regs Region: England and Wales (Part L1A 2010), Calculation Type: New Dwelling As Built

## SUMMARY FOR INPUT DATA FOR New Build (As Built)

## Block Compliance Report

| Property-Survey Reference | Multiplier (M) | Floor Area (F) | DER (D) | TER (T) | F x M | D x F x M | T x F x M |
|---|---|---|---|---|---|---|---|
| IW.02.01-As Designed | 1 | 76.12 | 21.40 | 26.22 | 76.12 | 1,628.97 | 1,995.87 |
| IW.02.02-As Designed | 1 | 74.12 | 18.42 | 24.23 | 74.12 | 1,365.29 | 1,795.93 |
| IW.02.03-As Designed | 1 | 75.76 | 15.00 | 21.92 | 75.76 | 1,136.40 | 1,660.66 |
| IW.02.04-As Designed | 1 | 81.51 | 14.45 | 21.83 | 81.51 | 1,177.82 | 1,779.36 |
| IW.02.05-As Designed | 1 | 75.16 | 20.59 | 24.09 | 75.16 | 1,547.54 | 1,810.60 |
| IW.02.06-As Designed | 1 | 51.6 | 18.45 | 28.23 | 51.60 | 952.02 | 1,456.67 |
| IW.02.07-As Designed | 1 | 52.65 | 15.03 | 24.95 | 52.65 | 791.33 | 1,313.62 |
| IW.02.08-As Designed | 1 | 51.82 | 15.42 | 25.24 | 51.82 | 799.06 | 1,307.94 |
| IW.02.09-As Designed | 1 | 52.01 | 21.71 | 29.02 | 52.01 | 1,129.14 | 1,509.33 |
| IW.01.01-As Built | 1 | 76.12 | 22.33 | 31.76 | 76.12 | 1,699.76 | 2,417.57 |
| IW.01.02-As Designed | 1 | 74.42 | 19.07 | 29.72 | 74.42 | 1,419.19 | 2,211.76 |
| IW.01.03-As Designed | 1 | 75.76 | 16.74 | 27.46 | 75.76 | 1,268.22 | 2,080.37 |
| IW.01.04-As Designed | 1 | 81.51 | 17.06 | 27.41 | 81.51 | 1,390.56 | 2,234.19 |
| IW.01.05-As Designed | 1 | 75.16 | 21.57 | 29.65 | 75.16 | 1,621.20 | 2,228.49 |
| IW.01.06-As Designed | 1 | 51.6 | 20.74 | 33.79 | 51.60 | 1,070.18 | 1,743.56 |
| IW.01.07-As Designed | 1 | 52.65 | 17.22 | 30.46 | 52.65 | 906.63 | 1,603.72 |
| IW.01.08-As Designed | 1 | 51.82 | 17.57 | 30.74 | 51.82 | 910.48 | 1,592.95 |
| IW.01.09-As Designed | 1 | 52.01 | 23.08 | 34.63 | 52.01 | 1,200.39 | 1,801.11 |
| IW.07.01-As Designed | 1 | 76.25 | 20.76 | 26.06 | 76.25 | 1,582.95 | 1,987.08 |
| IW.07.02-As Designed | 1 | 74.54 | 17.70 | 24.01 | 74.54 | 1,319.36 | 1,789.71 |
| IW.07.03-As Designed | 1 | 76.15 | 14.95 | 21.86 | 76.15 | 1,138.44 | 1,664.64 |
| IW.07.04-As Designed | 1 | 81.6 | 16.48 | 21.83 | 81.60 | 1,344.77 | 1,781.33 |
| IW.07.05-As Designed | 1 | 75.33 | 18.06 | 23.92 | 75.33 | 1,360.46 | 1,801.89 |
| IW.07.06-As Designed | 1 | 78.95 | 15.55 | 23.42 | 78.95 | 1,227.67 | 1,849.01 |
| IW.07.07-As Designed | 1 | 79.3 | 13.07 | 21.50 | 79.30 | 1,036.45 | 1,704.95 |
| IW.07.08-As Designed | 1 | 52.15 | 22.05 | 28.96 | 52.15 | 1,149.91 | 1,510.26 |
| IW.09.01-As Designed | 1 | 76.25 | 20.70 | 26.06 | 76.25 | 1,578.38 | 1,987.08 |
| IW.09.02-As Designed | 1 | 74.54 | 17.22 | 24.01 | 74.54 | 1,283.58 | 1,789.71 |
| IW.09.03-As Designed | 1 | 76.15 | 14.76 | 21.86 | 76.15 | 1,123.97 | 1,664.64 |
| IW.09.04-As Designed | 1 | 81.6 | 13.59 | 21.83 | 81.60 | 1,108.94 | 1,781.33 |
| IW.09.05-As Designed | 1 | 75.33 | 17.37 | 23.92 | 75.33 | 1,308.48 | 1,801.89 |
| IW.09.06-As Designed | 1 | 78.95 | 14.79 | 23.42 | 78.95 | 1,167.67 | 1,849.01 |
| IW.09.07-As Designed | 1 | 79.3 | 12.66 | 21.50 | 79.30 | 1,003.94 | 1,704.95 |
| IW.09.08-As Designed | 1 | 52.15 | 21.58 | 28.96 | 52.15 | 1,125.40 | 1,510.26 |
| IW.10.01-As Designed | 1 | 76.25 | 21.16 | 26.06 | 76.25 | 1,613.45 | 1,987.08 |
| IW.10.02-As Designed | 1 | 74.54 | 17.78 | 24.01 | 74.54 | 1,325.32 | 1,789.71 |

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|---|---|---|---|---|---|---|---|
| IW.10.03-As Designed | 1 | 76.15 | 14.96 | 21.86 | 76.15 | 1,139.20 | 1,664.64 |
| IW.10.04-As Designed | 1 | 81.6 | 17.81 | 25.89 | 81.60 | 1,453.30 | 2,112.62 |
| IW.10.05-As Designed | 1 | 75.33 | 23.02 | 28.09 | 75.33 | 1,734.10 | 2,116.02 |
| IW.10.06-As Designed | 1 | 78.95 | 20.05 | 27.62 | 78.95 | 1,582.95 | 2,180.60 |
| IW.10.07-As Designed | 1 | 79.3 | 16.45 | 25.68 | 79.30 | 1,304.49 | 2,036.42 |
| IW.10.08-As Designed | 1 | 52.15 | 22.40 | 28.96 | 52.15 | 1,168.16 | 1,510.26 |
| IW.11.01-As Designed | 1 | 76.25 | 21.22 | 26.06 | 76.25 | 1,618.03 | 1,987.08 |
| IW.11.02-As Designed | 1 | 74.54 | 17.71 | 24.01 | 74.54 | 1,320.10 | 1,789.71 |
| IW.11.03-As Designed | 1 | 75.45 | 17.73 | 23.90 | 75.45 | 1,337.73 | 1,803.26 |
| IW.11.04-As Designed | 1 | 51.51 | 26.32 | 32.12 | 51.51 | 1,355.74 | 1,654.50 |
| IW.12.01-As Designed | 1 | 76.25 | 20.48 | 26.06 | 76.25 | 1,561.60 | 1,987.08 |
| IW.12.02-As Designed | 1 | 74.54 | 17.98 | 24.01 | 74.54 | 1,340.23 | 1,789.71 |
| IW.12.03-As Designed | 1 | 75.45 | 17.47 | 23.90 | 75.45 | 1,318.11 | 1,803.26 |
| IW.12.04-As Designed | 1 | 51.51 | 26.11 | 32.12 | 51.51 | 1,344.93 | 1,654.50 |
| IW.15.01-As Designed | 1 | 76.25 | 26.43 | 30.22 | 76.25 | 2,015.29 | 2,304.28 |
| IW.15.02-As Designed | 1 | 74.54 | 21.59 | 28.18 | 74.54 | 1,609.32 | 2,100.54 |
| IW.15.03-As Designed | 1 | 75.45 | 22.44 | 28.07 | 75.45 | 1,693.10 | 2,117.88 |
| IW.15.04-As Designed | 1 | 51.51 | 33.66 | 36.30 | 51.51 | 1,733.83 | 1,869.81 |
| IW.03.01-As Designed | 1 | 76.12 | 21.28 | 26.22 | 76.12 | 1,619.83 | 1,995.87 |
| IW.03.02-As Designed | 1 | 74.12 | 18.36 | 24.23 | 74.12 | 1,360.84 | 1,795.93 |
| IW.03.03-As Designed | 1 | 75.76 | 15.09 | 21.92 | 75.76 | 1,143.22 | 1,660.66 |
| IW.03.04-As Designed | 1 | 81.51 | 14.07 | 21.83 | 81.51 | 1,146.85 | 1,779.36 |
| IW.03.05-As Designed | 1 | 75.16 | 18.59 | 24.09 | 75.16 | 1,397.22 | 1,810.60 |
| IW.03.06-As Designed | 1 | 51.6 | 21.11 | 28.23 | 51.60 | 1,089.28 | 1,456.67 |
| IW.03.07-As Designed | 1 | 52.65 | 15.36 | 24.95 | 52.65 | 808.70 | 1,313.62 |
| IW.03.08-As Designed | 1 | 51.82 | 15.63 | 25.24 | 51.82 | 809.95 | 1,307.94 |
| IW.03.09-As Designed | 1 | 52.01 | 21.99 | 29.02 | 52.01 | 1,143.70 | 1,509.33 |
| IW.04.01-As Designed | 1 | 76.12 | 21.42 | 26.22 | 76.12 | 1,630.49 | 1,995.87 |
| IW.04.02-As Designed | 1 | 74.12 | 18.40 | 24.23 | 74.12 | 1,363.81 | 1,795.93 |
| IW.04.03-As Designed | 1 | 75.76 | 15.19 | 21.92 | 75.76 | 1,150.79 | 1,660.66 |
| IW.04.04-As Designed | 1 | 81.51 | 13.44 | 21.83 | 81.51 | 1,095.49 | 1,779.36 |
| IW.04.05-As Designed | 1 | 75.16 | 18.45 | 24.09 | 75.16 | 1,386.70 | 1,810.60 |
| IW.04.06-As Designed | 1 | 51.6 | 18.49 | 28.23 | 51.60 | 954.08 | 1,456.67 |
| IW.04.07-As Designed | 1 | 52.65 | 15.12 | 24.95 | 52.65 | 796.07 | 1,313.62 |
| IW.04.08-As Designed | 1 | 51.82 | 15.51 | 25.24 | 51.82 | 803.73 | 1,307.94 |
| IW.04.09-As Designed | 1 | 52.01 | 22.08 | 29.02 | 52.01 | 1,148.38 | 1,509.33 |
| IW.05.01-As Designed | 1 | 76.12 | 20.35 | 26.22 | 76.12 | 1,549.04 | 1,995.87 |
| IW.05.02-As Designed | 1 | 74.12 | 17.45 | 24.23 | 74.12 | 1,293.39 | 1,795.93 |
| IW.05.03-As Designed | 1 | 75.76 | 15.16 | 21.92 | 75.76 | 1,148.52 | 1,660.66 |
| IW.05.04-As Designed | 1 | 81.51 | 14.58 | 21.83 | 81.51 | 1,188.42 | 1,779.36 |
| IW.05.05-As Designed | 1 | 75.16 | 18.35 | 24.09 | 75.16 | 1,379.19 | 1,810.60 |
| IW.05.06-As Designed | 1 | 51.6 | 19.16 | 28.23 | 51.60 | 988.66 | 1,456.67 |
| IW.05.07-As Designed | 1 | 52.65 | 15.38 | 24.95 | 52.65 | 809.76 | 1,313.62 |
| IW.05.08-As Designed | 1 | 52.65 | 15.31 | 24.95 | 52.65 | 806.07 | 1,313.62 |
| IW.05.09-As Designed | 1 | 52.01 | 21.61 | 29.02 | 52.01 | 1,123.94 | 1,509.33 |
| IW.06.01-As Designed | 1 | 76.12 | 20.61 | 26.22 | 76.12 | 1,568.83 | 1,995.87 |
| IW.06.02-As Designed | 1 | 74.12 | 18.17 | 24.23 | 74.12 | 1,346.76 | 1,795.93 |
| IW.06.03-As Designed | 1 | 75.76 | 14.67 | 21.92 | 75.76 | 1,111.40 | 1,660.66 |
| IW.06.04-As Designed | 1 | 81.51 | 14.45 | 21.83 | 81.51 | 1,177.82 | 1,779.36 |
| IW.06.05-As Designed | 1 | 75.16 | 17.86 | 24.09 | 75.16 | 1,342.36 | 1,810.60 |
| IW.06.06-As Designed | 1 | 51.6 | 18.85 | 28.23 | 51.60 | 972.66 | 1,456.67 |
| IW.06.07-As Designed | 1 | 52.65 | 15.12 | 24.95 | 52.65 | 796.07 | 1,313.62 |
| IW.06.08-As Designed | 1 | 52.65 | 15.33 | 24.95 | 52.65 | 807.12 | 1,313.62 |
| IW.06.09-As Designed | 1 | 52.01 | 21.90 | 29.02 | 52.01 | 1,139.02 | 1,509.33 |
| IW.08.01-As Designed | 1 | 76.25 | 20.98 | 26.06 | 76.25 | 1,599.73 | 1,987.08 |
| IW.08.02-As Designed | 1 | 74.54 | 17.30 | 24.01 | 74.54 | 1,289.54 | 1,789.71 |
| IW.08.03-As Designed | 1 | 76.15 | 14.84 | 21.86 | 76.15 | 1,130.07 | 1,664.64 |
| IW.08.04-As Designed | 1 | 81.6 | 14.26 | 21.83 | 81.60 | 1,163.62 | 1,781.33 |
| IW.08.05-As Designed | 1 | 75.33 | 18.58 | 23.92 | 75.33 | 1,399.63 | 1,801.89 |

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|---|---|---|---|---|---|---|---|
| **IW.08.06-As Designed** | **1** | **78.95** | **15.55** | **23.42** | **78.95** | **1,227.67** | **1,849.01** |
| **IW.08.07-As Designed** | **1** | **79.3** | **12.88** | **21.50** | **79.30** | **1,021.38** | **1,704.95** |
| **IW.08.08-As Designed** | **1** | **52.15** | **21.58** | **28.96** | **52.15** | **1,125.40** | **1,510.26** |
| **IW.13.01-As Designed** | **1** | **76.25** | **20.33** | **26.06** | **76.25** | **1,550.16** | **1,987.08** |
| **IW.13.02-As Designed** | **1** | **74.54** | **32.94** | **24.01** | **74.54** | **2,455.35** | **1,789.71** |
| **IW.13.03-As Designed** | **1** | **75.45** | **17.00** | **23.90** | **75.45** | **1,282.65** | **1,803.26** |
| **IW.13.04-As Designed** | **1** | **51.51** | **25.86** | **32.12** | **51.51** | **1,332.05** | **1,654.50** |
| **IW.14.01-As Designed** | **1** | **76.25** | **20.41** | **26.06** | **76.25** | **1,556.26** | **1,987.08** |
| **IW.14.02-As Designed** | **1** | **74.54** | **17.65** | **24.01** | **74.54** | **1,315.63** | **1,789.71** |
| **IW.14.03-As Designed** | **1** | **75.45** | **17.17** | **23.90** | **75.45** | **1,295.48** | **1,803.26** |
| **IW.14.04-As Designed** | **1** | **51.51** | **26.23** | **32.12** | **51.51** | **1,351.11** | **1,654.50** |
| **Totals:** | **106** | **7312.29** | **1,977.36** | **2,733.67** | **7,312.29** | **134,937.40** | **186,069.55** |
| Average DER = 18.45 | | | | PASS | | | |
| Average TER = 25.45 | | | | | | | |