

## Project name

**14 Bedford Row + 12-14 Jockey's Fields -  
Be Clean**

As designed

Date: Mon Apr 29 02:03:25 2024

## Administrative information

## Building Details

Address: 14 Bedford row + 12 - 14 Jockey's Fields,  
London, WC1R 4ED

## Certifier details

Name: Mohanad Alnaimy

Telephone number: Phone

Address: The Lab, 18 Wenlock Rd, London, N1 7TA

## Certification tool

Calculation engine: Apache

Calculation engine version: 7.0.22

Interface to calculation engine: IES Virtual Environment

Interface to calculation engine version: 7.0.22

BRUKL compliance module version: v6.1.e.1

Foundation area [m<sup>2</sup>]: 290.52The CO<sub>2</sub> emission and primary energy rates of the building must not exceed the targets

The building does not comply with England Building Regulations Part L 2021

Target CO <sub>2</sub> emission rate (TER), kgCO <sub>2</sub> /m <sup>2</sup> annum	31.08
Building CO <sub>2</sub> emission rate (BER), kgCO <sub>2</sub> /m <sup>2</sup> annum	40.81
Target primary energy rate (TPER), kWh <sub>PE</sub> /m <sup>2</sup> annum	334.15
Building primary energy rate (BPER), kWh <sub>PE</sub> /m <sup>2</sup> annum	436.01
Do the building's emission and primary energy rates exceed the targets?	BER > TER   BPER > TPER

## The performance of the building fabric and fixed building services should achieve reasonable overall standards of energy efficiency

Fabric element	U <sub>a</sub> -Limit	U <sub>a</sub> -Calc	U <sub>i</sub> -Calc	First surface with maximum value
Walls*	0.26	0.25	0.31	F4000004:Surf[0]
Floors	0.18	0.56	1.45	GF000022:Surf[5]
Pitched roofs	0.16	0.11	0.11	F4000001:Surf[0]
Flat roofs	0.18	0.12	0.18	GF00000C:Surf[0]
Windows** and roof windows	1.6	1.49	1.6	F2000006:Surf[4]
Rooflights***	2.2	-	-	No roof lights in building
Personnel doors <sup>^</sup>	1.6	-	-	No personnel doors in building
Vehicle access & similar large doors	1.3	-	-	No vehicle access doors in building
High usage entrance doors	3	1.56	1.56	F2000006:Surf[2]

U<sub>a</sub>-Limit = Limiting area-weighted average U-values [W/(m<sup>2</sup>K)]U<sub>i</sub>-Calc = Calculated maximum individual element U-values [W/(m<sup>2</sup>K)]U<sub>a</sub>-Calc = Calculated area-weighted average U-values [W/(m<sup>2</sup>K)]

\* Automatic U-value check by the tool does not apply to curtain walls whose limiting standard is similar to that for windows.

\*\* Display windows and similar glazing are excluded from the U-value check. \*\*\* Values for rooflights refer to the horizontal position.

<sup>^</sup> For fire doors, limiting U-value is 1.8 W/m<sup>2</sup>K

NB: Neither roof ventilators (inc. smoke vents) nor swimming pool basins are modelled or checked against the limiting standards by the tool.

Air permeability	Limiting standard	This building
m <sup>3</sup> /(h.m <sup>2</sup> ) at 50 Pa	8	8

## Building services

For details on the standard values listed below, system-specific guidance, and additional regulatory requirements, refer to the Approved Documents.

Whole building lighting automatic monitoring & targeting with alarms for out-of-range values	YES
Whole building electric power factor achieved by power factor correction	<0.9

### 1- Auxillary spaces Heating

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
<b>This system</b>	1	-	0.14	0	0.85
<b>Standard value</b>	N/A	N/A	N/A	N/A	N/A
<b>Automatic monitoring &amp; targeting with alarms for out-of-range values for this HVAC system</b>					NO

### 2- Clean: Combined

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
<b>This system</b>	1	-	0.01	-	-
<b>Standard value</b>	N/A	N/A	N/A	N/A	N/A
<b>Automatic monitoring &amp; targeting with alarms for out-of-range values for this HVAC system</b>					YES

"No HWS in project, or hot water is provided by HVAC system"

### Zone-level mechanical ventilation, exhaust, and terminal units

ID	System type in the Approved Documents
A	Local supply or extract ventilation units
B	Zonal supply system where the fan is remote from the zone
C	Zonal extract system where the fan is remote from the zone
D	Zonal balanced supply and extract ventilation system
E	Local balanced supply and extract ventilation units
F	Other local ventilation units
G	Fan assisted terminal variable air volume units
H	Fan coil units
I	Kitchen extract with the fan remote from the zone and a grease filter

NB: Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.

Zone name	SFP [W/(l/s)]										HR efficiency	
	A	B	C	D	E	F	G	H	I	Zone	Standard	
<b>ID of system type</b>												
<b>Standard value</b>	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1			
F (-1) - Studio - B14	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (-1) - Studio - B21	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (-1) - Studio - B20	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (-1) - Studio - B19	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (-1) - Studio - B34	-	-	0.4	-	-	-	-	-	-	-	N/A	
GF - Studio -G15	-	-	0.4	-	-	-	-	-	-	-	N/A	
GF - Studio - G29	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (2) - Studio - 233	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (2) - Studio - 228	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (2) - Studio - 227	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (2) - Studio - 229	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (2) - Studio - 230	-	-	0.4	-	-	-	-	-	-	-	N/A	
F (2) - Studio - 224	-	-	0.4	-	-	-	-	-	-	-	N/A	

Zone name	SFP [W/(l/s)]									HR efficiency	
	ID of system type	A	B	C	D	E	F	G	H		
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1	Zone	Standard
F (2) - Studio - 222	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 223	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 116	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 117	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 114	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 115	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 121	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 122	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 123	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 131	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 231	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 232	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 130	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 129	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 128	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 127	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 125	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 126	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 325	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 326	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 327	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 328	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 329	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 323	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 324	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 214	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 215	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 216	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 217	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 314	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 315	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 316	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 318	-	-	0.4	-	-	-	-	-	-	-	N/A
F (4) - Studio - 415	-	-	0.4	-	-	-	-	-	-	-	N/A
F (4) - Studio - 414	-	-	0.4	-	-	-	-	-	-	-	N/A
F (4) - Studio - 416	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 120	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 221	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 322	-	-	0.4	-	-	-	-	-	-	-	N/A
F (-1) - Studio - B23	-	-	0.4	-	-	-	-	-	-	-	N/A
F (1) - Studio - 118	-	-	0.4	-	-	-	-	-	-	-	N/A
F (2) - Studio - 218	-	-	0.4	-	-	-	-	-	-	-	N/A
F (3) - Studio - 319	-	-	0.4	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
	ID of system type	A	B	C	D	E	F	G	H	I	Zone
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		
F (4) - Studio - 417	-	-	0.4	-	-	-	-	-	-	-	N/A
GF - Studio - G21	-	-	0.4	-	-	-	-	-	-	-	N/A
GF - Studio - G18	-	-	0.4	-	-	-	-	-	-	-	N/A

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m <sup>2</sup> ]
Standard value	95	80	0.3	
F (4) - Plant - N/A	95	-	-	
F (2) - Stair A - 201	95	-	-	
F (1) - Stair A - 101	95	-	-	
F (4) - Stair A - 401	95	-	-	
F (3) - Stair A - 301	95	-	-	
GF - Stair A - G01	95	-	-	
F (-1) - Stair A - B01	95	-	-	
F (1) - Stair B - 102	95	-	-	
F (3) - Stair B - 302	95	-	-	
F (-1) - Studio - B14	100	-	-	
F (-1) - Corridor - B13	95	-	-	
F (-1) - Studio - B21	100	-	-	
F (-1) - Studio - B20	100	-	-	
F (-1) - CS - B18	95	-	-	
F (-1) - Studio - B27	100	-	-	
F (-1) - Studio - B26	100	-	-	
F (-1) - Studio - B25	100	-	-	
F (-1) - Studio - B19	100	-	-	
F (-1) - Stair B - B02	95	-	-	
F (-1) - Studio - B34	100	-	-	
F (-1) - Elec Intake - B40	95	-	-	
F (-1) - Breakout - B33	95	-	-	
F (-1) - DDA/WC - B39	95	-	-	
F (-1) - Amenity - B32	95	-	-	
F (-1) - Cycle Store - G35	95	-	-	
F (-1) - Server -- B33	95	-	-	
F (-1) - Corridor - G31	95	-	-	
F (-1) - Stair C - G03	95	-	-	
F (-1) - Corridor - B17	95	-	-	
GF - Amenity - G13	95	-	-	
GF - Studio -G15	100	-	-	
GF - Corridor - G23	95	-	-	
GF - Studio - G25	100	-	-	
GF - Studio - G22	100	-	-	
GF - Studio - G24	100	-	-	
GF - Corridor - G27	95	-	-	

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m <sup>2</sup> ]
	<b>Standard value</b>	95	80	0.3
GF - Refuse - G28		95	-	-
GF - Studio - G29		100	-	-
GF - Stair B - G26		95	-	-
GF - Enterance - G26		95	-	-
GF - Plant - G32		95	-	-
F (2) - Stair C - 203		95	-	-
F (2) - Studio - 233		100	-	-
F (2) - Studio - 228		100	-	-
F (2) - Studio - 227		100	-	-
F (2) - Studio - 229		100	-	-
F (2) - Studio - 230		100	-	-
F (2) - Corridor - 226		95	-	-
F (2) - Studio - 224		100	-	-
F (2) - Studio - 222		100	-	-
F (2) - Studio - 223		100	-	-
F (1) - Studio - 116		100	-	-
F (1) - Studio - 117		100	-	-
F (1) - Studio - 114		100	-	-
F (1) - Studio - 115		100	-	-
F (1) - Corridor - 113		95	-	-
F (1) - Studio - 121		100	-	-
F (1) - Studio - 122		100	-	-
F (1) - Studio - 123		100	-	-
F (1) - Studio - 131		100	-	-
F (1) - Stair C - 103		95	-	-
F (1) - Corridor - 124		95	-	-
F (2) - Studio - 231		100	-	-
F (2) - Studio - 232		100	-	-
F (1) - Studio - 130		100	-	-
F (1) - Studio - 129		100	-	-
F (1) - Studio - 128		100	-	-
F (1) - Studio - 127		100	-	-
F (1) - Studio - 125		100	-	-
F (1) - Studio - 126		100	-	-
F (3) - Stair C - 303		95	-	-
F (3) - Studio - 325		100	-	-
F (3) - Studio - 326		100	-	-
F (3) - Studio - 327		100	-	-
F (3) - Studio - 328		100	-	-
F (3) - Corridor - 320		95	-	-
F (3) - Studio - 329		100	-	-
F (3) - Studio - 323		100	-	-
F (3) - Studio - 324		100	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m <sup>2</sup> ]
	<b>Standard value</b>	95	80	0.3
F (2) - Studio - 214		100	-	-
F (2) - Studio - 215		100	-	-
F (2) - Studio - 216		100	-	-
F (2) - Studio - 217		100	-	-
F (3) - Studio - 314		100	-	-
F (3) - Studio - 315		100	-	-
F (2) - Corridor - 213		95	-	-
F (3) - Studio - 316		100	-	-
F (3) - Studio - 318		100	-	-
F (3) - Corridor - 313		95	-	-
F (4) - Studio - 415		100	-	-
F (4) - Studio - 414		100	-	-
F (4) - Studio - 416		100	-	-
F (4) - Corridor - 413		95	-	-
F (-1) - Corridor - B30		95	-	-
F (1) - Corridor - 119		95	-	-
F (1) - Studio - 120		100	-	-
F (2) - Studio - 221		100	-	-
F (2) - Corridor - 220		95	-	-
F (3) - Studio - 322		100	-	-
F (3) - Corridor - 321		95	-	-
F (-1) - Studio - B23		100	-	-
F(1) - WC		95	-	-
F (1) - Studio - 118		100	-	-
F (2) - Studio - 218		100	-	-
F (3) - Studio - 319		100	-	-
F (4) - Studio - 417		100	-	-
GF - Studio - G21		100	-	-
GF - Studio - G18		100	-	-
GF - Corridor - G 14,16,17,20		95	-	-

**The spaces in the building should have appropriate passive control measures to limit solar gains in summer**

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
F (4) - Plant - N/A	N/A	N/A
F (-1) - Studio - B14	NO (-68.1%)	NO
F (-1) - Studio - B21	NO (-55%)	NO
F (-1) - Studio - B20	NO (-61.5%)	NO
F (-1) - CS - B18	N/A	N/A
F (-1) - Studio - B27	NO (-79.8%)	NO
F (-1) - Studio - B26	NO (-73.2%)	NO
F (-1) - Studio - B25	NO (-72.2%)	NO
F (-1) - Studio - B19	NO (-86%)	NO
F (-1) - Studio - B34	NO (-95.7%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
F (-1) - Elec Intake - B40	N/A	N/A
F (-1) - Breakout - B33	N/A	N/A
GF - Studio -G15	NO (-27.1%)	NO
GF - Studio - G25	NO (-69.6%)	NO
GF - Studio - G22	NO (-34%)	NO
GF - Studio - G24	NO (-59.3%)	NO
GF - Studio - G29	NO (-67.4%)	NO
GF - Enterance - G26	N/A	N/A
GF - Plant - G32	NO (-45.7%)	NO
F (2) - Studio - 233	NO (-47.2%)	NO
F (2) - Studio - 228	NO (-35.8%)	NO
F (2) - Studio - 227	NO (-52.3%)	NO
F (2) - Studio - 229	NO (-33.5%)	NO
F (2) - Studio - 230	YES (+19.2%)	NO
F (2) - Corridor - 226	NO (-98%)	NO
F (2) - Studio - 224	NO (-21.5%)	NO
F (2) - Studio - 222	NO (-23.6%)	NO
F (2) - Studio - 223	NO (-18.7%)	NO
F (1) - Studio - 116	YES (+35.7%)	NO
F (1) - Studio - 117	NO (-20.9%)	NO
F (1) - Studio - 114	YES (+23.3%)	NO
F (1) - Studio - 115	NO (-20.9%)	NO
F (1) - Corridor - 113	NO (-10.5%)	NO
F (1) - Studio - 121	NO (-11%)	NO
F (1) - Studio - 122	NO (-29.1%)	NO
F (1) - Studio - 123	NO (-30.3%)	NO
F (1) - Studio - 131	NO (-59.6%)	NO
F (1) - Corridor - 124	N/A	N/A
F (2) - Studio - 231	YES (+20.8%)	NO
F (2) - Studio - 232	NO (-15.4%)	NO
F (1) - Studio - 130	NO (-28.6%)	NO
F (1) - Studio - 129	YES (+3.7%)	NO
F (1) - Studio - 128	YES (+2.2%)	NO
F (1) - Studio - 127	NO (-44.1%)	NO
F (1) - Studio - 125	NO (-63.6%)	NO
F (1) - Studio - 126	NO (-45.6%)	NO
F (3) - Studio - 325	NO (-13.5%)	NO
F (3) - Studio - 326	NO (-63%)	NO
F (3) - Studio - 327	NO (-39.8%)	NO
F (3) - Studio - 328	YES (+12.4%)	NO
F (3) - Corridor - 320	NO (-99.9%)	NO
F (3) - Studio - 329	NO (-45.9%)	NO
F (3) - Studio - 323	NO (-6.5%)	NO
F (3) - Studio - 324	NO (-10.2%)	NO
F (2) - Studio - 214	YES (+5.5%)	NO
F (2) - Studio - 215	NO (-32.2%)	NO
F (2) - Studio - 216	YES (+15.7%)	NO
F (2) - Studio - 217	NO (-32.4%)	NO
F (3) - Studio - 314	YES (+9.4%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
F (3) - Studio - 315	NO (-29.8%)	NO
F (2) - Corridor - 213	NO (-99.5%)	NO
F (3) - Studio - 316	YES (+20.9%)	NO
F (3) - Studio - 318	NO (-25.6%)	NO
F (3) - Corridor - 313	N/A	N/A
F (4) - Studio - 415	NO (-69.7%)	NO
F (4) - Studio - 414	NO (-62.6%)	NO
F (4) - Studio - 416	NO (-69.4%)	NO
F (4) - Corridor - 413	NO (-93.4%)	NO
F (-1) - Corridor - B30	N/A	N/A
F (1) - Corridor - 119	N/A	N/A
F (1) - Studio - 120	N/A	N/A
F (2) - Studio - 221	NO (-23.4%)	NO
F (2) - Corridor - 220	N/A	N/A
F (3) - Studio - 322	NO (-4.3%)	NO
F (3) - Corridor - 321	N/A	N/A
F (-1) - Studio - B23	NO (-72.7%)	NO
F (1) - Studio - 118	NO (-8.1%)	NO
F (2) - Studio - 218	NO (-15.2%)	NO
F (3) - Studio - 319	NO (-23.7%)	NO
F (4) - Studio - 417	NO (-65.1%)	NO
GF - Studio - G21	NO (-32.6%)	NO
GF - Studio - G18	NO (-60.9%)	NO

## Regulation 25A: Consideration of high efficiency alternative energy systems

<b>Were alternative energy systems considered and analysed as part of the design process?</b>	YES
Is evidence of such assessment available as a separate submission?	YES
Are any such measures included in the proposed design?	YES



# Technical Data Sheet (Actual vs. Notional Building)

## Building Global Parameters

	Actual	Notional
Floor area [m <sup>2</sup> ]	2033.6	2033.6
External area [m <sup>2</sup> ]	2395.8	2395.8
Weather	LON	LON
Infiltration [m <sup>3</sup> /hm <sup>2</sup> @ 50Pa]	8	3
Average conductance [W/K]	1112.77	1022.46
Average U-value [W/m <sup>2</sup> K]	0.46	0.43
Alpha value* [%]	25.34	10

\* Percentage of the building's average heat transfer coefficient which is due to thermal bridging

## Building Use

### % Area Building Type

Retail/Financial and Professional Services
Restaurants and Cafes/Drinking Establishments/Takeaways
Offices and Workshop Businesses
General Industrial and Special Industrial Groups
Storage or Distribution
<b>100 Hotels</b>
Residential Institutions: Hospitals and Care Homes
Residential Institutions: Residential Schools
Residential Institutions: Universities and Colleges
Secure Residential Institutions
Residential Spaces
Non-residential Institutions: Community/Day Centre
Non-residential Institutions: Libraries, Museums, and Galleries
Non-residential Institutions: Education
Non-residential Institutions: Primary Health Care Building
Non-residential Institutions: Crown and County Courts
General Assembly and Leisure, Night Clubs, and Theatres
Others: Passenger Terminals
Others: Emergency Services
Others: Miscellaneous 24hr Activities
Others: Car Parks 24 hrs
Others: Stand Alone Utility Block

## Energy Consumption by End Use [kWh/m<sup>2</sup>]

	Actual	Notional
Heating	85.65	43
Cooling	0	0
Auxiliary	2.42	2.92
Lighting	4.85	5.09
Hot water	193.24	178.63
Equipment*	10.36	10.36
<b>TOTAL**</b>	<b>286.15</b>	<b>229.64</b>

\* Energy used by equipment does not count towards the total for consumption or calculating emissions.

\*\* Total is net of any electrical energy displaced by CHP generators, if applicable.

## Energy Production by Technology [kWh/m<sup>2</sup>]

	Actual	Notional
Photovoltaic systems	1.08	4.7
Wind turbines	0	0
CHP generators	0	0
Solar thermal systems	0	0
<i>Displaced electricity</i>	<i>1.08</i>	<i>4.7</i>

## Energy & CO<sub>2</sub> Emissions Summary

	Actual	Notional
Heating + cooling demand [MJ/m <sup>2</sup> ]	270.79	218.34
Primary energy [kWh <sub>PE</sub> /m <sup>2</sup> ]	436.01	334.15
Total emissions [kg/m <sup>2</sup> ]	40.81	31.08

## HVAC Systems Performance

System Type	Heat dem MJ/m <sup>2</sup>	Cool dem MJ/m <sup>2</sup>	Heat con kWh/m <sup>2</sup>	Cool con kWh/m <sup>2</sup>	Aux con kWh/m <sup>2</sup>	Heat SSEFF	Cool SSEER	Heat gen SEFF	Cool gen SEER
<b>[ST] Other local room heater - unfanned, [HS] Direct or storage electric heater, [HFT] Electricity, [CFT] Electricity</b>									
Actual	227.3	0	63.1	0	0	1	0	1	0
Notional	197.1	0	38.8	0	0	1.41	0	----	----
<b>[ST] Other local room heater - unfanned, [HS] Direct or storage electric heater, [HFT] Electricity, [CFT] Electricity</b>									
Actual	290.4	0	95.8	0	3.5	0.84	0	1	0
Notional	227.9	0	44.9	0	3.5	1.41	0	----	----
<b>[ST] No Heating or Cooling</b>									
Actual	0	0	0	0	0	0	0	0	0
Notional	0	0	0	0	0	0	0	----	----

### Key to terms

Heat dem [MJ/m <sup>2</sup> ]	= Heating energy demand
Cool dem [MJ/m <sup>2</sup> ]	= Cooling energy demand
Heat con [kWh/m <sup>2</sup> ]	= Heating energy consumption
Cool con [kWh/m <sup>2</sup> ]	= Cooling energy consumption
Aux con [kWh/m <sup>2</sup> ]	= Auxiliary energy consumption
Heat SSEFF	= Heating system seasonal efficiency (for notional building, value depends on activity glazing class)
Cool SSEER	= Cooling system seasonal energy efficiency ratio
Heat gen SSEFF	= Heating generator seasonal efficiency
Cool gen SSEER	= Cooling generator seasonal energy efficiency ratio
ST	= System type
HS	= Heat source
HFT	= Heating fuel type
CFT	= Cooling fuel type