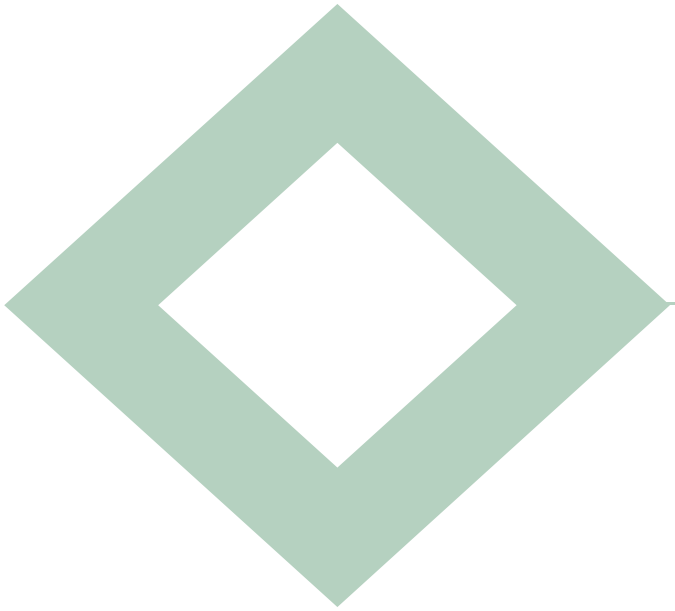
HOARE LEA

Station Hill - Phase 1. Reading.
Lincoln MGT.

SUSTAINABILITY
STAGE 4 – ADL1A MODELLING REPORT

REVISION 1 – 10 DECEMBER 2019



STAGE 4

Audit sheet.

Rev.	Date	Description	Prepared	Verified
0	05/07/2019	Stage 4 Issue	LH	JD
1	10/12/2019	Updated with comments	LH	MW

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Document reference: 191210 SHR P1 Stage 4 ADL1A Modelling Report Rev 1

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1. Introduction.

The purpose of this document is to discharge Condition OPP 19 of Permission 190442 (Outline) and 190465 (Reserved Matters) for Block E and 190441 (Outline) and 190466 (Reserved Matters) for Block F. Hoare Lea have been appointed to provide an analysis of Building Regulation ADL1A compliance for Phase 1 (Blocks E and F) of the Station Hill development in Reading. The development is required to comply with the current 2013 edition of the Building Regulations.

2. Model Construction Data.

The following sections of the report detail the drawings used to construct the thermal model and the construction thermal performance specifications that form the basis of the proposed design. All calculations have been performed using the fully accredited Elmhurst Design SAP 2012 software.

2.1 Drawings Used

A list of drawings which have been used to perform the calculations are listed in Table 1 below.

Table 1 Drawings used

Drawing Number	Title	Date
SHR -CRL -BE -LG -DR	Podium -Lower Ground Level (39 AOD)	21/05/19
SHR -CRL -BE -MZ -DR	Podium -Mezzanine Levels (41.3 & 42.1 AOD)	21/05/19
SHR -CRL -BE -GF -DR	Block E -Ground Floor Level (45.7 AOD)	21/05/19
SHR -CRL -BE -01 -DR	Block E -Level 01	21/05/19
SHR -CRL -BE -02 -DR	Block E -Level 02	21/05/19
SHR -CRL -BE -03 -DR	Block E -Level 03	21/05/19
SHR -CRL -BE -04 -DR	Block E -Level 04	21/05/19
SHR -CRL -BE -05 -DR	Block E -Level 05	21/05/19
SHR -CRL -BE -06 -DR	Block E -Level 06	21/05/19
SHR -CRL -BE -07 -DR	Block E -Level 07	21/05/19
SHR -CRL -BE -08 -DR	Block E -Level 08	21/05/19
SHR -CRL -BE -09 -DR	Block E -Level 09	21/05/19
SHR -CRL -BE -10 -DR	Block E -Level 10	21/05/19
SHR -CRL -BE -11 -DR	Block E -Level 11	21/05/19
SHR -CRL -BF -ZZ -DR	Block F -LG Level (39 AOD) -MZ Level (41.3 AOD)	21/05/19
SHR -CRL -BF -ZZ -DR	Block F -Ground Floor Level (45.7 AOD) -Level 01	21/05/19
SHR -CRL -BF -ZZ -DR	Block F -Level 02 / 03	21/05/19
SHR -CRL -BF -ZZ -DR	Block F -Level 04 / 05	21/05/19
SHR -CRL -BF -ZZ -DR	Block F -Level 06 / 07	21/05/19
SHR -CRL -BF -ZZ -DR	Block F -Level 08 / 09	21/05/19
SHR -CRL -BF -ZZ -DR	Block F -Level 10 / 11	21/05/19

Drawing Number	Title	Date
SHR -CRL -BF -ZZ -DR	Block F -Level Roof Upper Roof	21/05/19
SHR -CRL -BE -RF -DR	Block E -Roof	21/05/19
SHR -CRL -BE -RF -DR	Block E -Roof - Percentage of Sustainable Roof	21/05/19
SHR -CRL -BE -RF -DR	Block E -Roof Level Axo – Plant & Screens	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Plant Screen View Study	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Elevation Key Plan	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – North Elevation – Overall	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – South Elevation – Overall	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – East Elevation – Overall	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – West Elevation – Overall	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Overall Building Sections 01	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Overall Building Sections 02	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Overall Building Sections 03	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Overall Building Sections 04	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Overall Building Sections 05	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Overall Building Sections 06	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Overall Building Sections 07	21/05/19
SHR -CRL -BE -ZZ -DR	Block E – Overall Building Sections 08	21/05/19
SHR -CRL -BF -RF -DR	Block F Roof – Percentage of Sustainable Roof	21/05/19
SHR -CRL -BF -ZZ -DR	Block F – Elevation Key Plan	21/05/19
SHR -CRL -BF -ZZ -DR	Block F – North Elevation (Garrard St) - Overall	21/05/19
SHR -CRL -BF -ZZ -DR	Block F – South Elevation - Overall	21/05/19
SHR -CRL -BF -ZZ -DR	Block F – East Elevation - (Merchant Place) - Overall	21/05/19
SHR -CRL -BF -ZZ -DR	Block F – West Elevation - (Friars Walk) - Overall	21/05/19
SHR -CRL -BF -ZZ -DR	Block F – Overall Building Sections - 01	21/05/19
SHR -CRL -BF -ZZ -DR	Block F – Overall Building Sections - 02	21/05/19
SHR -CRL -BF -ZZ -DR	Block F – Overall Building Sections - 03	21/05/19

2.2 Opaque Constructions Used

Table 2 below details the U-value/construction types used within the model for the opaque constructions for Station Hill. Corridors have been designed to include fixed heaters and therefore the walls to corridor, lift shaft, stair cases and risers will be treated as party walls.

Table 2 Opaque construction and U-values used for the modelling

Location	Heat Loss Floor (W/m^2K)	Heat Loss Roof (W/m^2K)	Heat Loss Wall (W/m^2K)	Walls Between Dwellings and Heated Spaces
Phase 1 Dwellings	0.10	0.10	0.18	Filled cavity with sealed edges

2.3 Glazing Specification

Table 3 below details the glazing parameters used within the model for all glazing constructions.

Table 3 Glazing constructions

Location	U-value (W/m^2K)	g-value (-)	Fraction Glazed
Large Windows	1.30	0.42	77%
Small Windows	1.40	0.42	70%

2.4 Air Permeability

The air permeability for the dwellings, shown below in Table 4 was used throughout the model.

Table 4 Air permeability

Location	Air permeability ($m^3/m^2/h@50Pa$)
Phase 1 Dwellings	3.00

*note – to use the measured air permeability rate each dwelling has to be pressure tested. If a dwelling is not pressure tested the value used in the calculation is an average of the tested dwellings of the same type plus 2.

2.5 Thermal Mass Parameter

The thermal mass parameter has been calculated using the typical values as outlined in Table 1e of the SAP manual.

In order to calculate this figure for each dwelling, CRTKL architects have identified the most applicable construction type for each element to calculate the Thermal Mass Parameter (TMP) for each dwelling, the range from lowest to highest can be seen in Table 5.

Details of the architect's information can be found in Appendix A.

Table 5 Range of Calculated TMP values for Station Hill

Location	Thermal Mass Parameter Value Range
Phase 1 Dwellings	138-349

2.6 Thermal Bridging

The length of junctions has been measured as per the floor plan drawings in order to complete the thermal bridging calculations. The range of PSI values used across Phase 1 of the development can be seen in Table 6 below.

Table 6 PSI values at junctions

Location	Design psi-values
E2 – Other lintels	0.116
E3 – Sills	0.170
E4 – Jamb	0.155
E20 - Exposed floor (normal)	0.160
E7 - Party floor between dwellings (in block of flats)	0.05/0.350
E15 – Flat roof with parapet	0.049
E16 – Corner (normal)	0.015
E17 – Corner (inverted)	-0.049
E18 – Party wall between dwellings	0.060
E25 – Staggered party wall between dwellings	0.060
P7 – Exposed floor (normal)	0.080
P4 – Party wall – roof (insulation at ceiling level)	0.240

3. Proposed Specification – Services Description.

The residential units of Phase 1 of the Station Hill development will be heated by an electric underfloor heating system.

The Domestic Hot water (DHW) will be supplied via a hot water cylinder located in each utility cupboard. These cylinders will be heated with an electric immersion heater.

Table 7 Space and hot water heating parameters.

System	Efficiency	Fuel
Electric underfloor heating	100%	Electricity
Electric hot water supply	100%	Electricity

All dwellings will be provided with a whole house Mechanical Ventilation Heat Recovery (MVHR) unit. MVHR units with the following parameters, as seen below in Table 8, have been included as per SAP Appendix Q.

Table 8 MVHR parameters

	Specific Fan Power (SFP) (W/l/s)	Heat Exchange Efficiency (%)
Kitchen + 1 additional wet room	0.62	94
Kitchen + 2 additional wet rooms	0.62	93

	Specific Fan Power (SFP) (W/l/s)	Heat Exchange Efficiency (%)
Kitchen + 3 additional wet rooms	0.66	93

3.1 Cooling

The dwellings in Phase 1 will not be provided with comfort cooling.

3.2 Photovoltaics

A total of 30kWp of photovoltaic (PV) panels have been included within the SAP calculations, distributed evenly between the dwellings of Block E based on the floor area. See Appendix B for the Block E Roof Layout showing PV area.

4. SAP 10 Carbon Emissions Factors.

Grid electricity has significantly decarbonised since the last update of Part L in April 2014 and in July 2018 the Government published updated carbon emission factors (SAP 10) demonstrating this.

These new emission factors, as detailed in Table 9 below, will however not be incorporated into Part L of the Building Regulations until the Government has consulted on new Building Regulations. The impact of these new emission factors is significant in that technologies generating on-site electricity (such as gas-engine CHP and solar PV) will not achieve the carbon savings they have done to date. It is therefore anticipated that developments will need to utilise alternative or additional technologies to meet their on-site carbon reduction targets.

By undertaking an assessment using the SAP 10 carbon factors the assessment of new developments better reflects the actual carbon emissions associated with their expected operation.

Table 9 Carbon Factor Comparison

	SAP 2012 ($kgCO_2/kWh$)	SAP 10 ($kgCO_2/kWh$)
Natural Gas	0.216	0.210
Grid Electricity	0.519	0.233

5. Criterion 1 – Achieving the TER and TFEE Rate.

The following section details the Criterion 1 results of the Part L1A 2013 analysis.

The Target CO_2 Emission Rate (TER) and Target Fabric Energy Efficiency (TFEE) rate are the minimum energy performance requirements for a new dwelling. The TER and TFEE rate for new dwellings have been calculated with the Elmhurst Design SAP 2012 software using the Standard Assessment Procedure (SAP), 2012 edition.

For buildings that contain more than one dwelling (block of flats), the calculated average Dwelling CO_2 Emission Rate (DER) and the average Dwelling Fabric Energy Efficiency (DFEE) rate must be no worse than the average TER and average TFEE rate.

The average DER is the floor-area-weighted average of the individual DER rates for all the dwellings in the building, and is calculated in the same way as the average TER. The average DFEE rate is the floor-area-weighted average of the individual DFEE rates for all the dwellings in the building, and is calculated in the same way as the average TFEE rate.

All data has been inputted to the best of Hoare Lea's knowledge at the time of modelling. Area-weighted results are shown below in Table 10 and Table 11.

See Appendices C, D, and E for more detailed results.

Table 10 Criterion 1 - TER/DER results

	TER ($kgCO_2/m^2/Annum$)	DER ($kgCO_2/m^2/Annum$)	Improvement over TER	Criterion 1 (Pass/Fail)
Block E: L1A Carbon Factors	25.35	24.94	1.62%	Pass
Block F: L1A Carbon Factors	26.22	26.18	0.16%	Pass
Block E: SAP 10 Carbon Factors	26.40	12.70	51.9%	Pass
Block F: SAP 10 Carbon Factors	25.10	12.20	51.4%	Pass

Table 11 Criterion 1 - TFEE/DFEE results

	TFEE ($kWh/m^2/Annum$)	DFEE ($kWh/m^2/Annum$)	Improvement over TFEE	Criterion 1 (Pass/Fail)
Block E Dwellings	40.29	37.09	7.96%	Pass
Block F Dwellings	42.57	38.60	9.32%	Pass

6. Criterion 2 – Limits of Design Flexibility.

In order to comply with Criterion 2, all U-values and air permeability must be below the limiting values shown in Table 12.

Table 12 Criterion 2 limiting values

Parameter	Area weighted limiting value	Station Hill Phase 1
Roof	0.20 (W/m^2K)	0.10 (W/m^2K)
Wall	0.30 (W/m^2K)	0.18 (W/m^2K)
Floor	0.25 (W/m^2K)	0.10 (W/m^2K)
Glazing	2.00 (W/m^2K)	1.30/1.40 (W/m^2K)
Air permeability	10.00 ($m^3/m^2/h$)	3.00 ($m^3/m^2/h$)

7. Criterion 3 – Limiting the Effect of Heat Gains in Summer.

Solar gains are beneficial in winter to offset demand for heating, but can contribute to overheating in the summer. The effect of solar gains in summer can be limited by the appropriate combination of window size and

orientation, solar protection through shading and other solar control measures, ventilation (day and night) and high thermal mass.

For all apartments, it has been assumed that the windows are fully open for the above ground floors, and fully open half the time at the ground floor. The ventilation and blinds strategy is shown below in Table 13.

Table 13 Ventilation and blinds strategy for Station Hill

	Ventilation Strategy	Internal Blinds
Phase 1 Dwellings	Openable Windows	Dark Coloured Curtain or Roller Blinds (SAP Default)

With the above measures in place, all dwellings pass Criterion 3.

8. Conclusion.

Part L1A 2013 analysis has been performed for Phase 1 of the Station Hill Development.

The new buildings pass Criterion 1, 2 and 3 of Part L1A of the Building Regulations using the assumptions detailed in Appendix D by bettering the target for maximum carbon emission levels and maximum target fabric energy efficiency.

Table 14 shows the area-weighted TER in comparison to the DER.

Table 14 Criterion 1 - TER/DER results

	TER ($kgCO_2/m^2$/Annum)	DER ($kgCO_2/m^2$/Annum)	Improvement over TER	Criterion 1 (Pass/Fail)
Block E: L1A Carbon Factors	25.35	24.94	1.62%	Pass
Block F: L1A Carbon Factors	26.22	26.18	0.16%	Pass
Block E: SAP 10 Carbon Factors	26.40	12.70	51.89%	Pass
Block F: SAP 10 Carbon Factors	25.10	12.20	51.39%	Pass

The results above show that an area weighted carbon reduction of approximately 1.62% can be achieved for Block E and 0.16% for Block F using the SAP 2012 Carbon Factors, which is compliant with Part L 2013.

A reduction of 51.89% is achieved for Block E and 51.39% for Block F using the SAP 10 Carbon Factors which is a reflection of the likely actual carbon emissions associated with the expected operation of the dwellings.

This betters the carbon reduction achieved within the Energy Strategy.

Table 15 shows the area-weighted DFEE in comparison to the TFEE. All dwellings are passing this criteria.

Table 15 Criterion 1 - TFEE/DFEE results

	TFEE (kWh/m^2/Annum)	DFEE (kWh/m^2/Annum)	Improvement over TFEE	Criterion 1 (Pass/Fail)
Block E Dwellings	40.29	37.09	7.96%	Pass

	TFEE (kWh/m²/Annum)	DFEE (kWh/m²/Annum)	Improvement over TFEE	Criterion 1 (Pass/Fail)
Block F Dwellings	42.57	38.60	9.32%	Pass

All dwellings comply with the overheating criteria (Criterion 3 – limits of solar gain) through the utilisation of openable windows.

Summary results and model inputs are found in Appendix C. More detailed results are found in Appendices D and E.

The final energy performance certification can only be issued when the building has been built and the commissioning figures show that the 'as built' building is consistent with the 'as designed'.

An ADL1A compliance calculation has to be carried out again upon completion of the installation and commissioning to demonstrate the finished building is fully compliant with ADL1A. Should the scheme not comply upon either of these calculations then further improvements must be made at the relevant stage.

It is important that the installation is monitored during construction to ensure that the Part L1A criteria can be achieved upon completion.

Appendix A - Thermal Mass Parameter Constructions.

Liam Holden

From: Alistair Reid <alistair.reid@CRTKL.com>
Sent: 28 February 2019 12:26
To: Liam Holden; Philip Steel
Cc: Nicola Bagshawe; Jo Drane; Michael Dillon; David Hurst
Subject: RE: SHR - Thermal Mass Parameter - Construction Details

Liam and Jo,

Please see below our response.

Kind regards

Alistair Reid
BREEAM Associate
Senior Designer

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A DESIGN CONSULTANCY OF ARCADIS

From: Liam Holden <LiamHolden@hoarelea.com>
Sent: 22 February 2019 16:19
To: Philip Steel <Philip.Steel@crtkl.com>
Cc: NicolaBagshawe <NicolaBagshawe@hoarelea.com>; Jo Drane <JoDrane@hoarelea.com>; Alistair Reid <alistair.reid@CRTKL.com>
Subject: SHR - Thermal Mass Parameter - Construction Details

Phil,

In order for us to complete the SAP calculations for the Part L1a assessment (dwellings) we will need to understand the thermal mass parameter.

For us to calculate this, would you please be able to complete the table below detailing the constructions used which best match the construction descriptions in the attached document.

It is likely the descriptions will not match perfectly but please choose the closest match. Please enter the reference into the Ref column in the table below and the corresponding construction, both from the attached spreadsheet.

If you have any questions regarding this then please don't hesitate to give myself or Jo a call to discuss.

	Ref	Construction
Ground Floor (1-3)	2	Slab on ground, screed over insulation
Exposed Floor (4)	N/A	
External Walls Basement (5-19)	11	Cavity wall: dense plaster, dense block, filled cavity, any outside structure
External Walls (5-19)	19	Steel frame wall (warm frame or hybrid construction)
Roofs (20-22)	20	Plasterboard, Insulated flat roof
Party Walls - to Dwellings (23-30)		Double plasterboard on both sides, twin timber frame with/without sheathing board (E-WT-1 or E-WT-2)*
Party Walls - to Corridor (23-30)	29	Double plasterboard on both sides, twin timber frame with/without sheathing board (E-WT-1 or E-WT-2)*
Party Walls - to Risers (23-30)	29	Double plasterboard on both sides, twin timber frame with/without sheathing board (E-WT-1 or E-WT-2)*
Party Walls - to Stairs (23-30)	23	Dense plaster both sides, dense blocks, cavity or cavity fill (E-WM-1)*

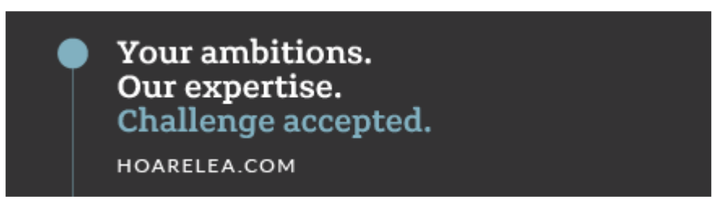
Party Walls - to Lift Shafts (23-30)	23	Dense plaster both sides, dense blocks, cavity or cavity fill (E-WM-1)*
Party Walls - to Car Park (23-30)	23	Dense plaster both sides, dense blocks, cavity or cavity fill (E-WM-1)*
Party Ceilings (31-36)	32	Concrete floor slab, carpeted (E-FC-2)*
Party Floors (37-42)	38	Concrete floor slab, carpeted (E-FC-2)*
Internal Partitions (walls within a dwelling) (43-45)	43	Plasterboard on timber frame
Internal Ceilings (a ceiling to a storey of the same dwelling)(46)	N/A	
Internal Floors (a floor to a storey of the same dwelling)(47)	N/A	

Kind Regards,

Liam Holden
Engineer

Tel +44 1202 654 600
Email liamholden@hoarelea.com

HOARE LEA



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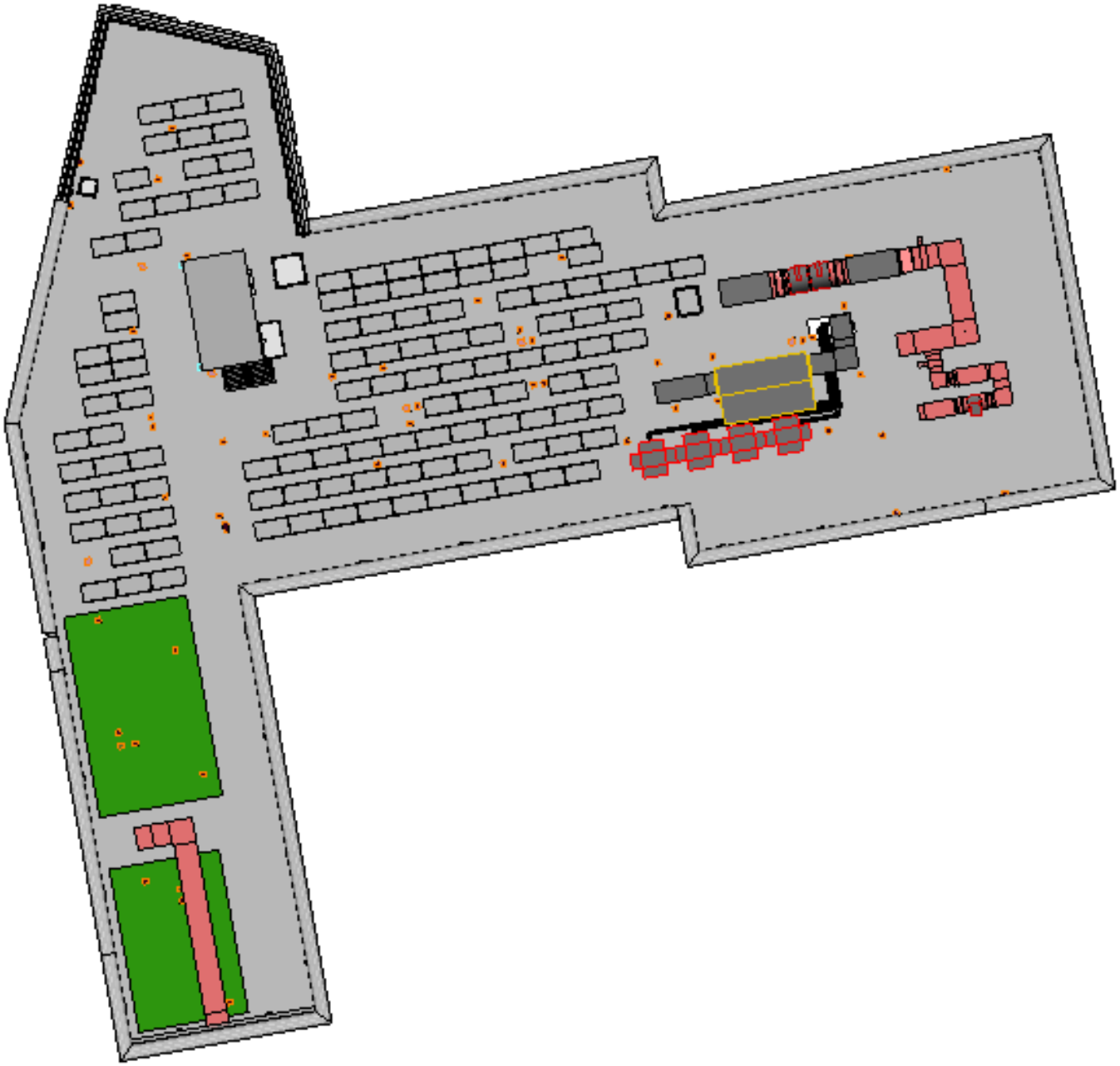
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Appendix B - PV Layout.



Appendix C - SAP Results Sheet showing Inputs and Results.

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SAP Results Sheet.

Project	Station Hill - Phase 1
Building/Block	Block E
Revision	4
Version	1
Date	05/07/2019

Dwelling Reference	Dwelling Area (m²)	No. of Dwelling Type	TER	DER	Criterion 1 DER/TER Variance	TFEE	DFEE	Criterion 1 DFEE/TFEE Variance	Criterion 3 Overheating Strategy	Criterion 3 Overheating Risk
Type 01E - F	48.91	3	35.71	30.00	-15.99%	59.20	49.12	-17.03%	Openable Windows	Medium
Type 01E - N	48.91	15	25.23	22.12	-12.33%	29.09	27.24	-6.36%	Openable Windows	Slight
Type 01E - R	48.91	2	31.62	27.74	-12.27%	47.57	37.76	-20.62%	Openable Windows	Medium
Type 01W - F	48.91	1	36.21	30.47	-15.85%	60.63	50.02	-17.50%	Openable Windows	Medium
Type 02 - F	49.61	2	33.39	32.30	-3.26%	63.47	52.83	-16.76%	Openable Windows	Slight
Type 02 - N	49.61	13	26.37	26.17	-0.76%	40.27	38.53	-4.32%	Openable Windows	Medium
Type 02 - R	49.61	2	30.09	28.80	-4.29%	52.58	42.77	-18.66%	Openable Windows	Medium
Type 03 - F	41.69	1	36.01	34.39	-4.50%	66.41	54.06	-18.60%	Openable Windows	Slight
Type 03 - N	41.69	10	28.54	28.35	-0.67%	41.43	39.98	-3.50%	Openable Windows	Medium
Type 03 - R	41.69	1	32.25	30.39	-5.77%	53.86	43.06	-20.05%	Openable Windows	Medium
Type 04 - F	67.03	1	28.78	28.37	-1.42%	55.27	47.91	-13.32%	Openable Windows	Slight
Type 04 - N	67.03	13	22.00	22.18	0.82%	32.48	33.21	2.25%	Openable Windows	Medium
Type 04 - R	67.03	2	25.49	25.06	-1.69%	44.22	38.31	-13.36%	Openable Windows	Medium
Type 05N - F	42.07	2	36.64	31.22	-14.79%	68.63	54.28	-20.91%	Openable Windows	Slight
Type 05N - N	42.07	10	31.26	27.79	-11.10%	50.66	45.33	-10.52%	Openable Windows	Medium
Type 05N - R	42.07	2	35.52	32.11	-9.60%	64.88	52.19	-19.56%	Openable Windows	Medium
Type 05S - F	42.07	1	36.64	32.92	-10.15%	68.64	57.38	-16.40%	Openable Windows	Slight
Type 05S - R	42.07	2	33.11	28.89	-12.75%	56.84	46.33	-18.49%	Openable Windows	Medium
Type 05S - N	42.07	20	29.29	26.24	-10.41%	44.08	42.39	-3.83%	Openable Windows	Medium
Type 06N - FC	41.62	1	29.76	27.26	-8.40%	45.16	34.92	-22.67%	Openable Windows	Medium
Type 06S - F	41.62	1	30.61	28.18	-7.94%	47.64	40.94	-14.06%	Openable Windows	Medium
Type 07 - F	38.93	2	44.34	38.22	-13.80%	75.04	59.90	-20.18%	Openable Windows	Medium
Type 08 - F	53.26	1	32.39	30.60	-5.53%	61.70	50.37	-18.36%	Openable Windows	Slight
Type 08 - N	53.26	10	23.33	22.43	-3.86%	31.59	28.97	-8.29%	Openable Windows	Slight
Type 08 - R	53.26	1	28.53	28.52	-0.04%	48.79	39.85	-18.32%	Openable Windows	Slight
Type 09 - F	48.63	1	36.66	37.45	2.15%	73.66	62.14	-15.64%	Openable Windows	Slight
Type 09 - N	48.63	10	29.44	31.04	5.43%	49.82	47.86	-3.93%	Openable Windows	Medium
Type 09 - R	48.63	1	33.73	33.68	-0.15%	63.97	51.67	-19.23%	Openable Windows	Medium
Type 10 - F	69.98	1	32.00	31.07	-2.91%	66.57	54.56	-18.04%	Openable Windows	Slight
Type 10 - N	69.98	10	24.91	24.66	-1.00%	42.88	40.11	-6.46%	Openable Windows	Slight
Type 10 - R	69.98	1	31.56	27.39	-13.21%	65.12	45.24	-30.53%	Openable Windows	Slight
Type 11 - F	54.33	1	34.91	36.95	5.84%	71.38	63.34	-11.26%	Openable Windows	Medium
Type 11 - N	54.33	10	28.07	29.58	5.38%	48.87	46.98	-3.87%	Openable Windows	Medium
Type 12 - F	54.26	1	32.50	31.54	-2.95%	62.92	52.42	-16.69%	Openable Windows	Medium
Type 12 - N	54.26	9	23.73	23.56	-0.72%	33.96	31.72	-6.60%	Openable Windows	Slight
Type 12 - R	54.26	1	27.55	28.12	2.07%	46.58	40.19	-13.72%	Openable Windows	Slight
Type 13N - F	70.01	1	34.20	35.87	4.88%	75.96	62.74	-17.40%	Openable Windows	Slight
Type 13N - N	70.01	9	26.92	27.74	3.05%	51.29	45.67	-10.96%	Openable Windows	Medium
Type 13N - R	70.01	1	31.86	30.97	-2.79%	67.73	50.58	-25.32%	Openable Windows	Medium
Type 13S - F	70.01	1	29.70	30.24	1.82%	60.52	51.93	-14.19%	Openable Windows	Slight
Type 13S - N	70.01	9	23.18	24.51	5.74%	38.73	38.75	0.05%	Openable Windows	Medium
Type 13S - R	70.01	1	27.88	27.18	-2.51%	54.47	43.06	-20.95%	Openable Windows	Medium
Type 14 - F	84.08	1	28.20	25.95	-7.98%	57.38	46.78	-18.47%	Openable Windows	Slight
Type 14 - N	84.08	9	21.26	19.93	-6.26%	34.32	32.66	-4.84%	Openable Windows	Slight
Type 14 - R	84.08	1	24.96	20.70	-17.07%	46.58	34.23	-26.51%	Openable Windows	Slight
Type 15 - F	37.37	1	40.94	34.28	-16.27%	64.36	52.59	-18.29%	Openable Windows	Slight
Type 15 - N	37.37	10	29.75	25.55	-14.12%	32.16	29.60	-7.96%	Openable Windows	Slight
Type 15 - R	37.37	1	34.70	28.26	-18.56%	46.58	35.36	-24.09%	Openable Windows	Slight
Type 16N - FC	36.86	1	39.07	32.98	-15.59%	71.73	46.17	-35.63%	Openable Windows	Slight
Type 16N - N	36.86	7	31.42	31.39	-0.10%	46.26	43.90	-5.10%	Openable Windows	Slight
Type 16N - R	36.86	1	35.09	33.71	-3.93%	58.50	47.63	-18.58%	Openable Windows	Slight
Type 17 - FC	66.37	2	21.03	20.00	-4.90%	28.81	24.73	-14.16%	Openable Windows	Slight
Type 17 - N	66.37	7	18.55	18.30	-1.35%	18.74	21.23	13.29%	Openable Windows	Slight
Type 17 - R	66.37	1	22.78	23.38	2.63%	34.78	31.88	-8.34%	Openable Windows	Slight
Type 18 - FC	53.53	1	24.33	23.00	-5.47%	34.18	28.30	-17.20%	Openable Windows	Slight
Type 19 - FC	40.92	1	31.87	28.93	-9.22%	52.10	38.49	-26.12%	Openable Windows	Slight
Type 19 - N	40.92	3	26.98	26.28	-2.59%	35.63	33.14	-6.99%	Openable Windows	Slight
Type 19 - R	40.92	1	32.62	32.88	0.80%	54.63	45.61	-16.51%	Openable Windows	Slight
Type 20N - FC	41.66	1	30.70	30.43	-0.88%	49.17	40.11	-18.43%	Openable Windows	Slight
Type 20N - N	41.66	10	26.43	27.08	2.46%	34.74	34.18	-1.61%	Openable Windows	Slight
Type 20N - R	41.66	2	31.78	30.82	-3.02%	52.77	41.50	-21.36%	Openable Windows	Slight
Type 20S - N	41.66	6	24.34	24.88	2.22%	27.08	28.69	5.95%	Openable Windows	Slight
Type 20S - R	41.66	1	29.15	28.16	-3.40%	43.70	35.69	-18.33%	Openable Windows	Slight
Type 20S -FC	41.66	1	28.15	27.61	-1.92%	40.30	34.57	-14.22%	Openable Windows	Slight
Type 21N - FC	69.96	1	30.58	29.05	-5.00%	62.29	45.43	-27.07%	Openable Windows	Slight
Type 21S - F	69.96	1	30.58	30.49	-0.29%	62.29	48.03	-22.89%	Openable Windows	Slight
Type 21S - N	69.96	5	23.69	24.67	4.14%	39.04	38.04	-2.56%	Openable Windows	Not Significant
Type 21S - R	69.96	2	28.18	26.41	-6.28%	54.05	40.12	-25.77%	Openable Windows	Slight
Type 22 - FC	49.01	1	27.22	24.02	-11.76%	41.56	29.68	-28.59%	Openable Windows	Slight
Type 23 - FC	38.61	1	30.89	28.47	-7.83%	45.69	36.31	-20.53%	Openable Windows	Slight
Type 23 - N	38.61	3	29.74	29.05	-2.32%	42.29	39.30	-7.07%	Openable Windows	Slight
Type 24N - FC	66.90	1	29.16	26.74	-8.30%	56.37	41.19	-26.93%	Openable Windows	Slight
Type 24N - N	66.90	9	24.21	24.14	-0.29%	39.88	37.37	-6.29%	Openable Windows	Not Significant
Type 24N - R	66.90	1	28.03	26.57	-5.21%	52.58	41.03	-21.97%	Openable Windows	Slight
Type 24S - F	66.90	1	25.17	25.44	1.07%	43.80	38.97	-11.03%	Openable Windows	Slight
Type 24S - FC	66.90	1	25.48	23.97	-5.93%	44.03	35.24	-19.96%	Openable Windows	Slight
Type 24S - N	66.90	20	20.97	20.86	-0.52%	28.63	29.67	3.63%	Openable Windows	Not Significant
Type 24S - R	66.90	2	24.41	23.38	-4.22%	40.43	34.20	-15.41%	Openable Windows	Slight
Type 25N - F	78.93	1	25.98	25.09	-3.43%	50.81	39.09	-23.07%	Openable Windows	Slight

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SAP Results Sheet.

Project	Station Hill - Phase 1
Building/Block	Block E
Revision	4
Version	1
Date	05/07/2019

Type 25N - FC	78.93	1	25.98	27.33	5.20%	50.81	43.28	-14.82%	Openable Windows	Slight
Type 25N - N	78.93	8	21.86	23.39	7.00%	37.30	35.85	-3.89%	Openable Windows	Slight
Type 25N - R	78.93	1	24.61	24.92	1.26%	46.30	38.07	-17.78%	Openable Windows	Slight
Type 25S - F	78.93	1	23.74	23.19	-2.32%	43.53	34.38	-21.02%	Openable Windows	Medium
Type 25S - FC	78.93	2	23.74	23.82	0.34%	43.53	35.60	-18.22%	Openable Windows	Medium
Type 25S - N	78.93	17	19.88	21.12	6.24%	30.77	30.90	0.42%	Openable Windows	Slight
Type 25S - R	78.93	2	22.43	22.78	1.56%	39.23	33.70	-14.10%	Openable Windows	Medium
Type 26 - FC	79.03	1	25.99	27.49	5.77%	50.81	42.83	-15.71%	Openable Windows	Medium
Type 26 - N	79.03	9	22.18	25.61	15.46%	38.32	40.18	4.85%	Openable Windows	Slight
Type 26 - R	79.03	1	27.51	30.00	9.05%	55.79	47.55	-14.77%	Openable Windows	Slight
Type 27 - FC	37.86	1	31.71	25.76	-18.76%	37.91	28.96	-23.61%	Openable Windows	Slight
Type 27 - N	37.86	6	26.48	23.27	-12.12%	22.22	22.41	0.86%	Openable Windows	Slight
Type 27 - R	37.86	1	31.66	25.22	-20.34%	37.76	27.65	-26.77%	Openable Windows	Slight
Type 28 - N	49.21	3	20.95	20.01	-4.49%	17.00	20.19	18.76%	Openable Windows	Slight
Type 29	138.81	1	19.55	20.17	3.17%	40.78	36.66	-10.10%	Openable Windows	Not Significant
Type 30N	160.31	1	19.99	21.40	7.05%	45.96	40.19	-12.55%	Openable Windows	Not Significant
Type 30S	160.31	1	18.19	19.51	7.26%	40.34	36.49	-9.54%	Openable Windows	Not Significant
Type 31	110.54	1	19.19	18.70	-2.55%	34.40	31.21	-9.27%	Openable Windows	Not Significant
Type 32	87.10	1	22.76	23.83	4.70%	41.16	37.54	-8.79%	Openable Windows	Not Significant
Type 33 - F	47.32	1	22.23	20.77	-6.57%	23.25	21.60	-7.10%	Openable Windows	Slight
Type 34 - N	67.34	1	22.38	23.22	3.75%	35.00	32.92	-5.94%	Openable Windows	Slight
Type 34 - R	67.34	1	28.29	26.93	-4.81%	54.53	39.81	-26.99%	Openable Windows	Slight
Type 35 - R	80.98	1	28.24	27.68	-1.98%	59.12	43.60	-26.25%	Openable Windows	Medium
Type 36 - R	51.78	1	30.79	32.58	5.81%	56.36	47.04	-16.54%	Openable Windows	Slight
Area Weighted Results	21530.78	370	25.35	24.94	-1.62%	40.29	37.09	-7.96%		0

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SAP Results Sheet.

Project	Station Hill - Phase 1
Building/Block	Block E
Revision	4
Version	1
Date	05/07/2019

Parameters Used.

Category	Parameter	Value	Notes
External Fabric	External Wall U-Values (W/m²K)	0.18	As Calculated by BS EN ISO 6946
	Floor U-Values (W/m²K)	0.10	As Calculated by BS EN ISO 6946
	Roof U-Values (W/m²K)	0.10	As Calculated by BS EN ISO 6946
	Standard Glazing U-Value (W/m2K)	1.40/1.30	Small - 1.40 Large - 1.30
	g-Value (-)	0.42	
	Fraction Glazed (%)	70/77	Small windows - 70%, Large windows 77% Proportion of glass to overall opening size
Internal Walls	To Other Apartments	Fully Filled Cavity with Sealed Edges	
	To Corridors	Fully Filled Cavity with Sealed Edges	
	To Risers	Fully Filled Cavity with Sealed Edges	
	To Lift Shafts	Fully Filled Cavity with Sealed Edges	
	To Stair Wells	Fully Filled Cavity with Sealed Edges	
Thermal Mass	Thermal Mass Parameter (kJ/m²K)	138-349	Individually Calculated
Thermal Bridging	Calculated or Default psi values	Calculated	E1/E2 - 0.116 E3 - 0.17 E4 - 0.15/0.16 E20 - 0.16 E7 - 0.05/0.35/0.081 P7 - 0.080 E15 - 0.049 E16 - 0.015 E17 - (-)0.036 E18 - 0.060 E25 - 0.060
Air Permeability	Air Permeability Rate (m3/hm2 at 50Pa)	3.00	As stated on a test certificate from a person registered by an authorised air pressure testing scheme Note: to use the measured air permeability rate each dwelling has to be pressure tested. If a dwelling is not pressure tested the value used in the calculation is an average of the tested dwellings of the same type plus 2.
Mechanical Ventilation	Strategy	Balanced with Heat Recovery	
	SFP (W/l/s)	(k+1) - 0.62 (k+2) - 0.62 (k+3) - 0.66	SAP Appendix Q Test Results
	Heat Exchange Efficiency (%)	(k+1) - 94 (k+2) - 93 (k+3) - 93	SAP Appendix Q Test Results
	Installer approved	Yes	The installer has to be registered with a Government Approved Scheme e.g. BESCA, Blue Flame Certification, Certsure, NAPIT and Stroma
	Duct Type	Rigid	All ductwork is rigid except for occasional flexible ducting to join components together
	Ductwork Insulated	Yes	Ductwork can be assumed to be insulated if all of the ductwork is inside the insulated envelope even if the ductwork itself is uninsulated.
Space Heating	Category	Individual - Room Heaters	Electric Underfloor
Water Heating	Type	Immersion	
	Cylinder in Dwelling	Yes	
	Loss Factor (kWh/day)	1 Bed - 1.18 2 Bed - 1.20 3 Bed - 1.42 Duplex - 1.61	
	Volume (litres)	1 Bed - 145 L 2 Bed - 170 L 3 Bed - 210 L Duplex - 250 L	
	Waste Water Heat Recovery	No	
Renewables	Type	PV Panels	30 kWp distributed by floor area to dwellings of Block E
	Orientation	South	
	Tilt	30°	
Summertime Overheating	Openable Windows	Yes	
	Blinds	Dark-coloured curtain or roller blind (Default)	

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SAP Results Sheet.

Project	Station Hill - Phase 1
Building/Block	Block F
Revision	4
Version	1
Date	05/07/2019

Dwelling Reference	Dwelling Area (m²)	No. of Dwelling Type	TER	DER	Criterion 1 DER/TER Variance	TFEE	DFEE	Criterion 1 DFEE/TFEE Variance	Criterion 3 Overheating Strategy	Criterion 3 Overheating Risk
Type 37 - FC	78.58	2	28.38	27.92	-1.62%	58.50	45.14	-22.84%	Openable Windows	Medium
Type 37 - N	78.58	8	21.89	23.02	5.16%	37.09	34.36	-7.36%	Openable Windows	Slight
Type 37 - R	78.58	1	27.28	27.21	-0.26%	54.73	41.51	-24.15%	Openable Windows	Slight
Type 38 - FC	69.00	2	27.86	27.08	-2.80%	52.82	43.32	-17.99%	Openable Windows	Slight
Type 38 - N	69.00	21	24.59	25.40	3.29%	41.81	40.16	-3.95%	Openable Windows	Not Significant
Type 38 - R	69.00	2	28.42	27.98	-1.55%	54.53	43.98	-19.35%	Openable Windows	Slight
Type 39 - FC	75.84	1	28.17	27.73	-1.56%	57.00	44.80	-21.40%	Openable Windows	Medium
Type 40 - N	49.06	1	26.08	26.21	0.50%	38.11	34.59	-9.24%	Openable Windows	Medium
Type 41 - N	38.54	11	31.84	30.54	-4.08%	48.80	45.24	-7.30%	Openable Windows	Slight
Type 41 - R	38.54	1	35.64	31.64	-11.22%	61.61	46.08	-25.21%	Openable Windows	Slight
Type 42N - F	70.68	1	31.47	32.45	3.11%	65.60	56.00	-14.63%	Openable Windows	Slight
Type 42N - N	70.68	10	28.90	29.66	2.63%	56.88	51.31	-9.79%	Openable Windows	Slight
Type 42N - R	70.68	1	34.01	32.92	-3.20%	74.07	57.21	-22.76%	Openable Windows	Slight
Type 42S - F	70.68	1	27.45	27.94	1.79%	52.08	47.04	-9.68%	Openable Windows	Slight
Type 42S - N	70.68	10	25.08	25.61	2.11%	44.15	42.89	-2.85%	Openable Windows	Slight
Type 42S - R	70.68	1	29.99	28.54	-4.83%	60.63	48.52	-19.97%	Openable Windows	Slight
Type 43 - FC	49.79	1	28.80	26.32	-8.61%	47.32	38.85	-17.90%	Openable Windows	Medium
Type 43 - N	49.79	10	25.87	24.85	-3.94%	37.30	36.18	-3.00%	Openable Windows	Medium
Type 43 - R	49.79	1	29.90	27.46	-8.16%	50.85	41.52	-18.35%	Openable Windows	Medium
Type 44 - F	52.96	1	32.06	29.64	-7.55%	59.90	47.99	-19.88%	Openable Windows	Slight
Type 44 - N	52.96	10	22.76	21.60	-5.10%	28.79	26.44	-8.16%	Openable Windows	Slight
Type 44 - R	52.96	1	28.12	27.88	-0.85%	46.73	38.42	-17.78%	Openable Windows	Slight
Type 45 - F	56.55	1	27.49	26.14	-4.91%	47.06	36.16	-23.16%	Openable Windows	Slight
Type 45 - N	56.55	8	22.91	22.92	0.04%	31.63	29.56	-6.54%	Openable Windows	Slight
Type 45 - R	56.55	1	28.98	27.40	-5.45%	51.77	37.86	-26.87%	Openable Windows	Slight
Type 46 - F	79.54	1	26.31	25.49	-3.12%	51.16	37.98	-25.76%	Openable Windows	Slight
Type 46 - N	79.54	8	22.09	22.83	3.35%	36.89	33.64	-8.81%	Openable Windows	Slight
Type 46 - R	79.54	1	28.51	26.51	-7.02%	58.03	39.75	-31.50%	Openable Windows	Slight
Type 47 - FC	35.96	1	37.28	31.21	-16.28%	53.13	39.73	-25.22%	Openable Windows	Slight
Type 47 - N	35.96	8	32.51	32.18	-1.02%	39.84	41.69	4.64%	Openable Windows	Medium
Type 47 - R	35.96	1	38.57	33.44	-13.30%	56.68	43.97	-22.42%	Openable Windows	Slight
Type 48 - FC	41.94	3	32.16	31.13	-3.20%	53.69	41.95	-21.87%	Openable Windows	Slight
Type 48 - N	41.94	24	27.52	28.14	2.25%	38.00	36.19	-4.76%	Openable Windows	Slight
Type 48 - R	41.94	3	33.17	30.83	-7.05%	57.06	41.39	-27.46%	Openable Windows	Slight
Type 49 - FC	49.83	1	26.63	24.25	-8.94%	41.03	30.60	-25.42%	Openable Windows	Slight
Type 49 - N	49.83	9	22.41	21.73	-3.03%	25.03	24.94	-0.36%	Openable Windows	Slight
Area Weighted Results	9583.08	168	26.22	26.18	-0.16%	42.57	38.60	-9.32%		0

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SAP Results Sheet.

Project	Station Hill - Phase 1
Building/Block	Block F
Revision	4
Version	1
Date	05/07/2019

Parameters Used.

Category	Parameter	Value	Notes
External Fabric	External Wall U-Values (W/m²K)	0.18	As Calculated by BS EN ISO 6946
	Floor U-Values (W/m²K)	0.10	As Calculated by BS EN ISO 6946
	Roof U-Values (W/m²K)	0.10	As Calculated by BS EN ISO 6946
	Standard Glazing U-Value (W/m2K)	1.40/1.30	Small - 1.40 Large - 1.30
	g-Value (-)	0.42	
	Fraction Glazed (%)	70/77	Small windows - 70%, Large windows 77% Proportion of glass to overall opening size
Internal Walls	To Other Apartments	Fully Filled Cavity with Sealed Edges	
	To Corridors	Fully Filled Cavity with Sealed Edges	
	To Risers	Fully Filled Cavity with Sealed Edges	
	To Lift Shafts	Fully Filled Cavity with Sealed Edges	
	To Stair Wells	Fully Filled Cavity with Sealed Edges	
Thermal Mass	Thermal Mass Parameter (kJ/m²K)	144-272	Individually Calculated
Thermal Bridging	Calculated or Default psi values	Calculated	E1/E2 - 0.116 E3 - 0.17 E4 - 0.15/0.16 E20 - 0.16 E7 - 0.05/0.35/0.081 P7 - 0.080 E15 - 0.049 E16 - 0.015 E17 - (-)0.036 E18 - 0.060 E25 - 0.060
Air Permeability	Air Permeability Rate (m3/hm2 at 50Pa)	3.00	As stated on a test certificate from a person registered by an authorised air pressure testing scheme Note: to use the measured air permeability rate each dwelling has to be pressure tested. If a dwelling is not pressure tested the value used in the calculation is an average of the tested dwellings of the same type plus 2.
Mechanical Ventilation	Strategy	Balanced with Heat Recovery	
	SFP (W/l/s)	(k+1) - 0.62 (k+2) - 0.62 (k+3) - 0.66	SAP Appendix Q Test Results
	Heat Exchange Efficiency (%)	(k+1) - 94 (k+2) - 93 (k+3) - 93	SAP Appendix Q Test Results
	Installer approved	Yes	The installer has to be registered with a Government Approved Scheme e.g. BESCA, Blue Flame Certification, Certsure, NAPIT and Stroma
	Duct Type	Rigid	All ductwork is rigid except for occasional flexible ducting to join components together
	Ductwork Insulated	Yes	Ductwork can be assumed to be insulated if all of the ductwork is inside the insulated envelope even if the ductwork itself is uninsulated.
Space Heating	Category	Individual - Room Heaters	Electric Underfloor
Water Heating	Type	Immersion	
	Cylinder in Dwelling	Yes	
	Loss Factor (kWh/day)	1 Bed - 1.18 2 Bed - 1.20 3 Bed - 1.42 Duplex - 1.61	
	Volume (litres)	1 Bed - 145 L 2 Bed - 170 L 3 Bed - 210 L Duplex - 250 L	
	Waste Water Heat Recovery	No	
Renewables	Type	None	
Summertime Overheating	Openable Windows	Yes	
	Blinds	Dark-coloured curtain or roller blind (Default)	

Appendix D - Sample Input Sheets.

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Property Reference	Type 02 - F	**Issued on Date**	28/02/2019
Assessment Reference	V03	**Prop Type Ref**	01
Property	Type 02 - F		

SAP Rating	78 C	**DER**	32.30	**TER**	33.39
Environmental	80 C	**% DER<TER**	3.27		
CO_2 Emissions (t/year)	1.26	**DFEE**	52.83	**TFEE**	63.47
General Requirements Compliance	Pass	**% DFEE<TFEE**	16.75		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

SUMMARY FOR INPUT DATA FOR: New Build (As Designed)

Orientation	North
Property Tenure	Unknown
Transaction Type	New dwelling
Terrain Type	Urban
1.0 Property Type	Flat, Mid-Terrace
2.0 Number of Storeys	1
3.0 Date Built	2020
4.0 Sheltered Sides	3
5.0 Sunlight/Shade	Average or unknown

6.0 Measurements

	Heat Loss Perimeter	Internal Floor Area	Average Storey Height
Ground Floor:	14.77 m	49.61 m²	3.66 m

7.0 Living Area	29.81	m²
8.0 Thermal Mass Parameter	Enter TMP value	
Thermal Mass	252.68	kJ/m²K

9.0 External Walls

Description	Type	Construction	U-Value (W/m²K)	Gross Area (m²)	Nett Area (m²)
External Wall 1	Cavity Wall	Other	0.18	28.08	18.05

9.1 Party Walls

Description	Type	Construction	U-Value (W/m²K)	Area (m²)
To Dwelling	Filled Cavity with Edge Sealing	Other	0.00	61.05
To Corridor	Filled Cavity with Edge Sealing	Other	0.00	32.03

10.1 Party Ceilings

Description	Construction	Area (m²)
Party Ceilings 1	Other	49.61

11.0 Heat Loss Floors

Description	Type	Construction	U-Value (W/m²K)	Area (m²)
Heat Loss Floor	Exposed Floor - Solid	Other	0.10	49.61

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

12.0 Opening Types

Description	Data Source	Type	Glazing	Glazing Gap	Argon Filled	G-value	Frame Type	Frame Factor	U Value (W/m²K)
Windows Small	Manufacturer	Window	Double glazed			0.42		0.70	1.40
Windows Large	Manufacturer	Window	Double glazed			0.42		0.77	1.30

13.0 Openings

Name	Opening Type	Location	Orientation	Curtain Type	Overhang Ratio	Wide Overhang	Width (m)	Height (m)	Count	Area (m²)	Curtain Closed
East small	Window	[1] External Wall 1	East	Dark-coloured curtain or roller blind	0.00					3.43	100
East large	Window	[1] External Wall 1	East	Dark-coloured curtain or roller blind	0.00					6.60	100

14.0 Conservatory	None	
15.0 Draught Proofing	100	%
16.0 Draught Lobby	No	
17.0 Thermal Bridging	Calculate Bridges	

17.1 List of Bridges

Source Type	Bridge Type	Length	Psi	Imported
Independently assessed	E1 Steel lintel with perforated steel base plate	3.95	0.116	Yes
Independently assessed	E3 Sill	3.95	0.170	Yes
Independently assessed	E4 Jamb	15.80	0.155	Yes
Independently assessed	E20 Exposed floor (normal)	14.69	0.160	No
Independently assessed	E7 Party floor between dwellings (in blocks of flats)	14.67	0.096	No
Independently assessed	E18 Party wall between dwellings	14.64	0.060	No
Independently assessed	P7 Party Wall - Exposed floor (normal)	14.93	0.080	No

Y-value	0.121	W/m²K
18.0 Pressure Testing	Yes	
Designed AP_{50}	3.00	m³/(h.m²) @ 50 Pa
Property Tested ?		
As Built AP_{50}		m³/(h.m²) @ 50 Pa

19.0 Mechanical Ventilation

Summer Overheating

Windows open in hot weather	Windows half open
Cross ventilation possible	No
Night Ventilation	No
Air change rate	2.00

Mechanical Ventilation

Mechanical Ventilation System Present	Yes
Approved Installation	Yes
Mechanical Ventilation data Type	Database
Type	Balanced mechanical ventilation with heat recovery
MV Reference Number	500502
Configuration	1

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

MVHR Duct Insulated	Yes
Manufacturer SFP	0.62
Duct Type	Rigid
MVHR Efficiency	94.00
Wet Rooms	1

20.0 Fans, Open Fireplaces, Flues

	MHS	SHS	Other	Total
Number of Chimneys	0		0	0
Number of open flues	0		0	0
Number of intermittent fans				0
Number of passive vents				0
Number of flueless gas fires				0

21.0 Fixed Cooling System	No	
22.0 Lighting		
Internal		
Total number of light fittings	5	
Total number of L.E.L. fittings	5	
Percentage of L.E.L. fittings	100.00	%
External		
External lights fitted	No	
23.0 Electricity Tariff	Standard	
24.0 Main Heating 1	SAP table	
Percentage of Heat	100	%
Main Heating	SEH	
SAP Code	424	
Efficiency (SAP Table)	100.0	%
Controls	CMD Time and temperature zone control	
Sap Code	2706	
25.0 Main Heating 2	None	
Community Heating	None	
28.0 Water Heating	HEI Immersion	
Water Heating	Independent	
Flue Gas Heat Recovery System	No	
Waste Water Heat Recovery Instantaneous System 1	No	
Waste Water Heat Recovery Instantaneous System 2	No	
Waste Water Heat Recovery Storage System	No	
Solar Panel	No	
Water use <= 125 litres/person/day	Yes	
SAP Code	903	
Immersion Heater	Single	
29.0 Hot Water Cylinder	Hot Water Cylinder	

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Cylinder In Heated Space	Yes	
Insulation Type	Measured Loss	
Cylinder Volume	145.00	L
Loss	1.18	kWh/day

32.0 Photovoltaic Unit One Dwelling

PV Cells kWp	Orientation	Elevation	Overshading	Connected to Dwelling
0.05	South	30°	Modest	No

Recommendations

Lower cost measures

None

Further measures to achieve even higher standards

None

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Property Reference	Type 24S - N	**Issued on Date**	28/02/2019
Assessment Reference	V03	**Prop Type Ref**	15
Property	Type 24S - N		

SAP Rating	83 B	**DER**	20.86	**TER**	20.97
Environmental	85 B	**% DER<TER**	0.55		
CO_2 Emissions (t/year)	1.15	**DFEE**	29.67	**TFEE**	28.63
General Requirements Compliance	Fail	**% DFEE<TFEE**	-3.65		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

SUMMARY FOR INPUT DATA FOR: New Build (As Designed)

Orientation	North
Property Tenure	Owner-occupied
Transaction Type	New dwelling
Terrain Type	Urban
1.0 Property Type	Flat, Mid-Terrace
2.0 Number of Storeys	1
3.0 Date Built	2020
4.0 Sheltered Sides	3
5.0 Sunlight/Shade	Average or unknown

6.0 Measurements

	Heat Loss Perimeter	Internal Floor Area	Average Storey Height
Ground Floor:	22.42 m	66.90 m²	2.95 m

7.0 Living Area	28.21	m²
8.0 Thermal Mass Parameter	Enter TMP value	
Thermal Mass	231.16	kJ/m²K

9.0 External Walls

Description	Type	Construction	U-Value (W/m²K)	Gross Area (m²)	Nett Area (m²)
External Wall 1	Cavity Wall	Other	0.18	27.97	16.57

9.1 Party Walls

Description	Type	Construction	U-Value (W/m²K)	Area (m²)
To Dwelling	Filled Cavity with Edge Sealing	Other	0.00	34.81
To Corridor	Filled Cavity with Edge Sealing	Other	0.00	38.17

10.1 Party Ceilings

Description	Construction	Area (m²)
Party Ceilings 1	Other	66.90

11.1 Party Floors

Description	Construction	Area (m²)
Party Floor 1	Other	66.90

12.0 Opening Types

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Description	Data Source	Type	Glazing	Glazing Gap	Argon Filled	G-value	Frame Type	Frame Factor	U Value (W/m²K)
Windows Small	Manufacturer	Window	Double glazed			0.42		0.70	1.40
Windows Large	Manufacturer	Window	Double glazed			0.42		0.77	1.30

13.0 Openings

Name	Opening Type	Location	Orientation	Curtain Type	Overhang Ratio	Wide Overhang	Width (m)	Height (m)	Count	Area (m²)	Curtain Closed
South Small	Window	[1] External Wall 1	South	Dark-coloured curtain or roller blind	0.00					6.48	100
South Large	Window	[1] External Wall 1	South	Light-coloured curtain or roller blind	0.00					4.92	100

14.0 Conservatory	None	
15.0 Draught Proofing	100	%
16.0 Draught Lobby	No	
17.0 Thermal Bridging	Calculate Bridges	

17.1 List of Bridges

Source Type	Bridge Type	Length	Psi	Imported
Independently assessed	E1 Steel lintel with perforated steel base plate	4.75	0.116	Yes
Independently assessed	E3 Sill	4.75	0.170	Yes
Independently assessed	E4 Jamb	15.30	0.155	Yes
Independently assessed	E7 Party floor between dwellings (in blocks of flats)	44.29	0.096	No
Independently assessed	E16 Corner (normal)	2.95	0.049	No
Independently assessed	E18 Party wall between dwellings	5.90	0.060	No
Independently assessed	E25 Staggered party wall between dwellings	5.90	0.060	No

Y-value	0.316	W/m²K
18.0 Pressure Testing	Yes	
Designed AP_{50}	3.00	m³/(h.m²) @ 50 Pa
Property Tested ?		
As Built AP_{50}		m³/(h.m²) @ 50 Pa

19.0 Mechanical Ventilation

Summer Overheating

Windows open in hot weather	Windows fully open
Cross ventilation possible	No
Night Ventilation	No
Air change rate	4.00

Mechanical Ventilation

Mechanical Ventilation System Present	Yes
Approved Installation	Yes
Mechanical Ventilation data Type	Database
Type	Balanced mechanical ventilation with heat recovery
MV Reference Number	500502
Configuration	2
MVHR Duct Insulated	Yes

Manufacturer SFP	0.62
Duct Type	Rigid
MVHR Efficiency	93.00
Wet Rooms	2

20.0 Fans, Open Fireplaces, Flues

	MHS	SHS	Other	Total
Number of Chimneys	0		0	0
Number of open flues	0		0	0
Number of intermittent fans				0
Number of passive vents				0
Number of flueless gas fires				0

21.0 Fixed Cooling System	No	
22.0 Lighting		
Internal		
Total number of light fittings	9	
Total number of L.E.L. fittings	9	
Percentage of L.E.L. fittings	100.00	%
External		
External lights fitted	No	
23.0 Electricity Tariff	Standard	
24.0 Main Heating 1	SAP table	
Percentage of Heat	100	%
Main Heating	SEH	
SAP Code	424	
Efficiency (SAP Table)	100.0	%
Controls	CMD Time and temperature zone control	
Sap Code	2706	
25.0 Main Heating 2	None	
Community Heating	None	
28.0 Water Heating	HEI Immersion	
Water Heating	Independent	
Flue Gas Heat Recovery System	No	
Waste Water Heat Recovery Instantaneous System 1	No	
Waste Water Heat Recovery Instantaneous System 2	No	
Waste Water Heat Recovery Storage System	No	
Solar Panel	No	
Water use <= 125 litres/person/day	Yes	
SAP Code	903	
Immersion Heater	Single	
29.0 Hot Water Cylinder	Hot Water Cylinder	
Cylinder In Heated Space	Yes	

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Insulation Type	Measured Loss	
Cylinder Volume	170.00	L
Loss	1.20	kWh/day

32.0 Photovoltaic Unit One Dwelling

PV Cells kWp	Orientation	Elevation	Overshading	Connected to Dwelling
0.07	South	30°	Modest	No

Recommendations

Lower cost measures

None

Further measures to achieve even higher standards

None

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Property Reference	Type 43 - N	**Issued on Date**	05/07/2019
Assessment Reference	V03	**Prop Type Ref**	25
Property	Type 43 - N		

SAP Rating	83 B	**DER**	24.85	**TER**	25.87
Environmental	84 B	**% DER<TER**	3.94		
CO_2 Emissions (t/year)	1.05	**DFEE**	36.18	**TFEE**	37.30
General Requirements Compliance	Pass	**% DFEE<TFEE**	3.02		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

SUMMARY FOR INPUT DATA FOR: New Build (As Designed)

Orientation	North
Property Tenure	Unknown
Transaction Type	New dwelling
Terrain Type	Urban
1.0 Property Type	Flat, Mid-Terrace
2.0 Number of Storeys	1
3.0 Date Built	2020
4.0 Sheltered Sides	3
5.0 Sunlight/Shade	Average or unknown

6.0 Measurements

	Heat Loss Perimeter	Internal Floor Area	Average Storey Height
Ground Floor:	14.91 m	49.79 m²	3.75 m

7.0 Living Area	29.67	m²
8.0 Thermal Mass Parameter	Enter TMP value	
Thermal Mass	172.02	kJ/m²K

9.0 External Walls

Description	Type	Construction	U-Value (W/m²K)	Gross Area (m²)	Nett Area (m²)
External Wall 1	Cavity Wall	Other	0.18	25.99	17.81

9.1 Party Walls

Description	Type	Construction	U-Value (W/m²K)	Area (m²)
To Dwelling	Filled Cavity with Edge Sealing	Other	0.00	56.40
To Corridor	Filled Cavity with Edge Sealing	Other	0.00	29.93

10.1 Party Ceilings

Description	Construction	Area (m²)
Party Ceilings 1	Other	49.79

11.1 Party Floors

Description	Construction	Area (m²)
Party Floor 1	Other	49.79

12.0 Opening Types

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Description	Data Source	Type	Glazing	Glazing Gap	Argon Filled	G-value	Frame Type	Frame Factor	U Value (W/m²K)
Windows Large	Manufacturer	Window	Double glazed			0.42		0.77	1.30
Windows Small	Manufacturer	Window	Double glazed			0.42		0.70	1.40

13.0 Openings

Name	Opening Type	Location	Orientation	Curtain Type	Overhang Ratio	Wide Overhang	Width (m)	Height (m)	Count	Area (m²)	Curtain Closed
South Large	Window	[1] External Wall 1	South	Dark-coloured curtain or roller blind	0.00					4.92	100
South Small	Window	[1] External Wall 1	South	Dark-coloured curtain or roller blind	0.00					3.26	100

14.0 Conservatory	None	
15.0 Draught Proofing	100	%
16.0 Draught Lobby	No	
17.0 Thermal Bridging	Calculate Bridges	

17.1 List of Bridges

Source Type	Bridge Type	Length	Psi	Imported
Independently assessed	E1 Steel lintel with perforated steel base plate	3.40	0.116	Yes
Independently assessed	E3 Sill	3.40	0.170	Yes
Independently assessed	E4 Jamb	10.20	0.155	Yes
Independently assessed	E7 Party floor between dwellings (in blocks of flats)	14.69	0.096	No
Independently assessed	E18 Party wall between dwellings	15.00	0.060	No

Y-value	0.187	W/m²K
18.0 Pressure Testing	Yes	
Designed AP_{50}	3.00	m³/(h.m²) @ 50 Pa
Property Tested ?		
As Built AP_{50}		m³/(h.m²) @ 50 Pa

19.0 Mechanical Ventilation

Summer Overheating

Windows open in hot weather	Windows half open
Cross ventilation possible	No
Night Ventilation	No
Air change rate	2.00

Mechanical Ventilation

Mechanical Ventilation System Present	Yes
Approved Installation	Yes
Mechanical Ventilation data Type	Database
Type	Balanced mechanical ventilation with heat recovery
MV Reference Number	500502
Configuration	1
MVHR Duct Insulated	Yes
Manufacturer SFP	0.62

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Duct Type	Rigid
MVHR Efficiency	94.00
Wet Rooms	1

20.0 Fans, Open Fireplaces, Flues

	MHS	SHS	Other	Total
Number of Chimneys	0		0	0
Number of open flues	0		0	0
Number of intermittent fans				0
Number of passive vents				0
Number of flueless gas fires				0

21.0 Fixed Cooling System	No	
22.0 Lighting		
Internal		
Total number of light fittings	6	
Total number of L.E.L. fittings	6	
Percentage of L.E.L. fittings	100.00	%
External		
External lights fitted	No	
23.0 Electricity Tariff	Standard	
24.0 Main Heating 1	SAP table	
Percentage of Heat	100	%
Main Heating	SEH	
SAP Code	424	
Efficiency (SAP Table)	100.0	%
Controls	CMD Time and temperature zone control	
Sap Code	2706	
25.0 Main Heating 2	None	
Community Heating	None	
28.0 Water Heating	HEI Immersion	
Water Heating	Independent	
Flue Gas Heat Recovery System	No	
Waste Water Heat Recovery Instantaneous System 1	No	
Waste Water Heat Recovery Instantaneous System 2	No	
Waste Water Heat Recovery Storage System	No	
Solar Panel	No	
Water use <= 125 litres/person/day	Yes	
SAP Code	903	
Immersion Heater	Single	
29.0 Hot Water Cylinder	Hot Water Cylinder	
Cylinder In Heated Space	Yes	
Insulation Type	Measured Loss	

Cylinder Volume	145.00	L
Loss	1.18	kWh/day

Recommendations

Lower cost measures

None

Further measures to achieve even higher standards

None

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Property Reference	Type 45 - R	**Issued on Date**	05/07/2019
Assessment Reference	V03	**Prop Type Ref**	
Property	Type 45 - R		

SAP Rating	80 C	**DER**	27.40	**TER**	28.98
Environmental	82 B	**% DER<TER**	5.44		
CO_2 Emissions (t/year)	1.24	**DFEE**	37.86	**TFEE**	51.77
General Requirements Compliance	Pass	**% DFEE<TFEE**	26.87		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

SUMMARY FOR INPUT DATA FOR: New Build (As Designed)

Orientation	North
Property Tenure	Unknown
Transaction Type	New dwelling
Terrain Type	Urban
1.0 Property Type	Flat, Mid-Terrace
2.0 Number of Storeys	1
3.0 Date Built	2020
4.0 Sheltered Sides	2
5.0 Sunlight/Shade	Average or unknown

6.0 Measurements

	Heat Loss Perimeter	Internal Floor Area	Average Storey Height
Ground Floor:	31.06 m	56.55 m²	2.40 m

7.0 Living Area	31.20	m²
8.0 Thermal Mass Parameter	Enter TMP value	
Thermal Mass	191.26	kJ/m²K

9.0 External Walls

Description	Type	Construction	U-Value (W/m²K)	Gross Area (m²)	Nett Area (m²)
External Wall 1	Cavity Wall	Other	0.18	41.23	32.35

9.1 Party Walls

Description	Type	Construction	U-Value (W/m²K)	Area (m²)
To Corridor	Filled Cavity with Edge Sealing	Other	0.00	26.97
To Lift Shaft	Filled Cavity with Edge Sealing	Other	0.00	8.18
To Stairs	Filled Cavity with Edge Sealing	Other	0.00	7.48

10.0 External Roofs

Description	Type	Construction	U-Value (W/m²K)	Gross Area (m²)	Nett Area (m²)
External Roof 1	External Flat Roof	Other	0.10	56.55	56.55

11.1 Party Floors

Description	Construction	Area (m²)
Party Floor 1	Other	56.55

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

12.0 Opening Types

Description	Data Source	Type	Glazing	Glazing Gap	Argon Filled	G-value	Frame Type	Frame Factor	U Value (W/m²K)
Windows Large	Manufacturer	Window	Double glazed			0.42		0.77	1.30
Windows Small	Manufacturer	Window	Double glazed			0.42		0.70	1.40

13.0 Openings

Name	Opening Type	Location	Orientation	Curtain Type	Overhang Ratio	Wide Overhang	Width (m)	Height (m)	Count	Area (m²)	Curtain Closed
East Large	Window	[1] External Wall 1	East	Dark-coloured curtain or roller blind	0.00					5.69	100
East Small	Window	[1] External Wall 1	East	Dark-coloured curtain or roller blind	0.00					3.19	100

14.0 Conservatory	None	
15.0 Draught Proofing	100	%
16.0 Draught Lobby	No	
17.0 Thermal Bridging	Calculate Bridges	

17.1 List of Bridges

Source Type	Bridge Type	Length	Psi	Imported
Independently assessed	E1 Steel lintel with perforated steel base plate	3.70	0.116	Yes
Independently assessed	E3 Sill	3.70	0.170	Yes
Independently assessed	E4 Jamb	10.20	0.155	Yes
Independently assessed	E7 Party floor between dwellings (in blocks of flats)	15.30	0.096	No
Independently assessed	E15 Flat roof with parapet	15.30	0.000	No
Independently assessed	E16 Corner (normal)	2.40	0.015	No
Independently assessed	E25 Staggered party wall between dwellings	4.80	0.060	No
Table K1 - Default	P4 Party wall - Roof (insulation at ceiling level)	15.85	0.240	No

Y-value	0.081	W/m²K
18.0 Pressure Testing	Yes	
Designed AP_{50}	3.00	m³/(h.m²) @ 50 Pa
Property Tested ?		
As Built AP_{50}		m³/(h.m²) @ 50 Pa

19.0 Mechanical Ventilation

Summer Overheating

Windows open in hot weather	Windows fully open
Cross ventilation possible	No
Night Ventilation	No
Air change rate	4.00

Mechanical Ventilation

Mechanical Ventilation System Present	Yes
Approved Installation	Yes
Mechanical Ventilation data Type	Database
Type	Balanced mechanical ventilation with heat recovery
MV Reference Number	500502

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Configuration	2
MVHR Duct Insulated	Yes
Manufacturer SFP	0.62
Duct Type	Rigid
MVHR Efficiency	93.00
Wet Rooms	2

20.0 Fans, Open Fireplaces, Flues

	MHS	SHS	Other	Total
Number of Chimneys	0		0	0
Number of open flues	0		0	0
Number of intermittent fans				0
Number of passive vents				0
Number of flueless gas fires				0

21.0 Fixed Cooling System	No	
22.0 Lighting		
Internal		
Total number of light fittings	9	
Total number of L.E.L. fittings	9	
Percentage of L.E.L. fittings	100.00	%
External		
External lights fitted	No	
23.0 Electricity Tariff	Standard	
24.0 Main Heating 1	SAP table	
Percentage of Heat	100	%
Main Heating	SEH	
SAP Code	424	
Efficiency (SAP Table)	100.0	%
Controls	CMD Time and temperature zone control	
Sap Code	2706	
25.0 Main Heating 2	None	
Community Heating	None	
28.0 Water Heating	HEI Immersion	
Water Heating	Independent	
Flue Gas Heat Recovery System	No	
Waste Water Heat Recovery Instantaneous System 1	No	
Waste Water Heat Recovery Instantaneous System 2	No	
Waste Water Heat Recovery Storage System	No	
Solar Panel	No	
Water use <= 125 litres/person/day	Yes	
SAP Code	903	
Immersion Heater	Single	

SUMMARY FOR INPUT DATA
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

29.0 Hot Water Cylinder	Hot Water Cylinder	
Cylinder In Heated Space	Yes	
Insulation Type	Measured Loss	
Cylinder Volume	145.00	L
Loss	1.18	kWh/day

Recommendations

Lower cost measures

None

Further measures to achieve even higher standards

None

Appendix E - Part L1A 2013 Regulations Compliance Reports.

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
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Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	E	**Issued on Date**	05/07/2019
Block Name	Block E		
Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

Block Compliance Report - DER

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**
Type 01E - N-V01	1	48.91	22.12	25.23
Type 06S - F-V01	1	41.62	28.18	30.61
Type 07 - F-V01	1	38.93	38.22	44.34
Type 08 - N-V01	1	53.26	22.43	23.33
Type 12 - N-V01	1	54.26	23.56	23.73
Type 15 - N-V01	1	37.37	25.55	29.75
Type 17 - N-V01	1	66.37	18.30	18.55
Type 18 - FC-V01	1	53.53	23.00	24.33
Type 19 - N-V01	1	40.92	26.28	26.98
Type 20N - N-V01	1	41.66	27.08	26.43
Type 22 - FC-V01	1	49.01	24.02	27.22
Type 25S - N-V01	1	78.93	21.12	19.88
Type 26 - N-V01	1	79.03	25.61	22.18
Type 27 - N-V01	1	37.86	23.27	26.48
Type 28 - N-V01	1	49.21	20.01	20.95
Type 29-V01	1	138.81	20.17	19.55
Type 30N-V01	1	160.31	21.40	19.99
Type 31-V01	1	110.54	18.70	19.19
Type 32-V01	1	87.1	23.83	22.76
Type 33 - F-V01	1	47.32	20.77	22.23
Type 34 - N-V01	1	67.34	23.22	22.38
Type 35 - R-V01	1	80.98	27.68	28.24
Type 36 - R-V01	1	51.78	32.58	30.79
Type 02 - F-V03	1	49.61	32.30	33.39
Type 02 - N-V03	1	49.61	26.17	26.37
Type 02 - R-V03	1	49.61	28.80	30.09
Type 03 - F-V03	1	41.69	34.39	36.01
Type 03 - N-V03	1	41.69	28.35	28.54
Type 03 - R-V03	1	41.69	30.39	32.25
Type 04 - F-V03	1	67.03	28.37	28.78
Type 04 - N-V03	1	67.03	22.18	22.00
Type 04 - R-V03	1	67.03	25.06	25.49
Type 05S - F-V03	1	42.07	32.92	36.64
Type 05S- N-V03	1	42.07	26.24	29.29
Type 05S - R-V03	1	42.07	28.89	33.11
Type 05N - F-V03	1	42.07	31.22	36.64
Type 05N - N-V03	1	42.07	27.79	31.26

Type 05N - R-V03	1	42.07	32.11	35.52
Type 09 - F-V03	1	48.63	37.45	36.66
Type 09 - N-V03	1	48.63	31.04	29.44
Type 09 - R-V03	1	48.63	33.68	33.73
Type 10 - F-V03	1	69.98	31.07	32.00
Type 11 - F-V03	1	54.33	36.95	34.91
Type 11 - N-V03	1	54.33	29.58	28.07
Type 13N - F-V03	1	70.01	35.87	34.20
Type 13N - N-V03	1	70.01	27.74	26.92
Type 13N - R-V03	1	70.01	30.97	31.86
Type 13S - F-V03	1	70.01	30.24	29.70
Type 13S - N-V03	1	70.01	24.51	23.18
Type 13S - R-V03	1	70.01	27.18	27.88
Type 14 - F-V03	1	84.08	25.95	28.20
Type 14 - N-V03	1	84.08	19.93	21.26
Type 16N - FC-V03	1	36.86	32.98	39.07
Type 16N - N-V03	1	36.86	31.39	31.42
Type 16N - R-V03	1	36.86	33.71	35.09
Type 21N - FC-V03	1	69.96	29.05	30.58
Type 21S - N-V03	1	69.96	24.67	23.69
Type 21S - R-V03	1	69.96	26.41	28.18
Type 23 - FC-V03	1	38.61	28.47	30.89
Type 23 - N-V03	1	38.61	29.05	29.74
Type 24S - FC-V03	1	66.9	23.97	25.48
Type 24S - F-V03	1	66.9	25.44	25.17
Type 24S - N-V03	1	66.9	20.86	20.97
Type 24S - R-V03	1	66.9	23.38	24.41
Type 01E - F-V01	1	48.91	30.00	35.71
Type 01E - R-V01	1	48.91	27.74	31.62
Type 01W - F-V01	1	48.91	30.47	36.21
Type 06N - FC-V01	1	41.62	27.26	29.76
Type 08 - F-V01	1	53.26	30.60	32.39
Type 08 - R-V01	1	53.26	28.52	28.53
Type 10 - N-V03	1	69.98	24.66	24.91
Type 10 - R-V03	1	69.98	27.39	31.56
Type 12 - F-V01	1	54.26	31.54	32.50
Type 12 - R-V01	1	54.26	28.12	27.55
Type 15 - F-V01	1	37.37	34.28	40.94
Type 17 - FC-V01	1	66.37	20.00	21.03
Type 17 - R-V01	1	66.37	23.38	22.78
Type 19 - FC-V01	1	40.92	28.93	31.87
Type 19 - R-V01	1	40.92	32.88	32.62
Type 20N - FC-V01	1	41.66	30.43	30.70
Type 20N - R-V01	1	41.66	30.82	31.78
Type 20S -FC-V01	1	41.66	27.61	28.15
Type 20S - N-V01	1	41.66	24.88	24.34
Type 20S - R-V01	1	41.66	28.16	29.15

Type 21S - F-V03	1	69.96	30.49	30.58
Type 24N - FC-V03	1	66.9	26.74	29.16
Type 24N - N-V03	1	66.9	24.14	24.21
Type 24N - R-V03	1	66.9	26.57	28.03
Type 25S - F-V01	1	78.93	23.19	23.74
Type 25S - R-V01	1	78.93	22.78	22.43
Type 25S - FC-V01	1	78.93	23.82	23.74
Type 25N - F-V01	1	78.93	25.09	25.98
Type 25N - FC-V01	1	78.93	27.33	25.98
Type 25N - N-V01	1	78.93	23.39	21.86
Type 25N - R-V01	1	78.93	24.92	24.61
Type 26 - FC-V01	1	79.03	27.49	25.99
Type 26 - R-V01	1	79.03	30.00	27.51
Type 34 - R-V01	1	67.34	26.93	28.29
Type 27 - FC-V01	1	37.86	25.76	31.71
Type 27 - R-V01	1	37.86	25.22	31.66
Type 15 - R-V01	1	37.37	28.26	34.70
Type 14 - R-V03	1	84.08	20.70	24.96
Type 30S-V01	1	160.31	19.51	18.19
Totals:	103	6230.14	2,793.82	2,910.64
Average DER = 26.32 $kgCO_2/m^2$			PASS	
Average TER = 27.08 $kgCO_2/m^2$				

Block Compliance Report - DFEE

Block Reference: E		Block Name: Block E		
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DFEE ($kWh/m^2/yr$)**	**TFEE ($kWh/m^2/yr$)**
Type 01E - N-V01	1	48.91	27.24	29.09
Type 06S - F-V01	1	41.62	40.94	47.64
Type 07 - F-V01	1	38.93	59.90	75.04
Type 08 - N-V01	1	53.26	28.97	31.59
Type 12 - N-V01	1	54.26	31.72	33.96
Type 15 - N-V01	1	37.37	29.60	32.16
Type 17 - N-V01	1	66.37	21.23	18.74
Type 18 - FC-V01	1	53.53	28.30	34.18
Type 19 - N-V01	1	40.92	33.14	35.63
Type 20N - N-V01	1	41.66	34.18	34.74
Type 22 - FC-V01	1	49.01	29.68	41.56
Type 25S - N-V01	1	78.93	30.90	30.77
Type 26 - N-V01	1	79.03	40.18	38.32
Type 27 - N-V01	1	37.86	22.41	22.22
Type 28 - N-V01	1	49.21	20.19	17.00
Type 29-V01	1	138.81	36.66	40.78
Type 30N-V01	1	160.31	40.19	45.96
Type 31-V01	1	110.54	31.21	34.40
Type 32-V01	1	87.1	37.54	41.16
Type 33 - F-V01	1	47.32	21.60	23.25

Type 34 - N-V01	1	67.34	32.92	35.00
Type 35 - R-V01	1	80.98	43.60	59.12
Type 36 - R-V01	1	51.78	47.04	56.36
Type 02 - F-V03	1	49.61	52.83	63.47
Type 02 - N-V03	1	49.61	38.53	40.27
Type 02 - R-V03	1	49.61	42.77	52.58
Type 03 - F-V03	1	41.69	54.06	66.41
Type 03 - N-V03	1	41.69	39.98	41.43
Type 03 - R-V03	1	41.69	43.06	53.86
Type 04 - F-V03	1	67.03	47.91	55.27
Type 04 - N-V03	1	67.03	33.21	32.48
Type 04 - R-V03	1	67.03	38.31	44.22
Type 05S - F-V03	1	42.07	57.38	68.64
Type 05S- N-V03	1	42.07	42.39	44.08
Type 05S - R-V03	1	42.07	46.33	56.84
Type 05N - F-V03	1	42.07	54.28	68.63
Type 05N - N-V03	1	42.07	45.33	50.66
Type 05N - R-V03	1	42.07	52.19	64.88
Type 09 - F-V03	1	48.63	62.14	73.66
Type 09 - N-V03	1	48.63	47.86	49.82
Type 09 - R-V03	1	48.63	51.67	63.97
Type 10 - F-V03	1	69.98	54.56	66.57
Type 11 - F-V03	1	54.33	63.34	71.38
Type 11 - N-V03	1	54.33	46.98	48.87
Type 13N - F-V03	1	70.01	62.74	75.96
Type 13N - N-V03	1	70.01	45.67	51.29
Type 13N - R-V03	1	70.01	50.58	67.73
Type 13S - F-V03	1	70.01	51.93	60.52
Type 13S - N-V03	1	70.01	38.75	38.73
Type 13S - R-V03	1	70.01	43.06	54.47
Type 14 - F-V03	1	84.08	46.78	57.38
Type 14 - N-V03	1	84.08	32.66	34.32
Type 16N - FC-V03	1	36.86	46.17	71.73
Type 16N - N-V03	1	36.86	43.90	46.26
Type 16N - R-V03	1	36.86	47.63	58.50
Type 21N - FC-V03	1	69.96	45.43	62.29
Type 21S - N-V03	1	69.96	38.04	39.04
Type 21S - R-V03	1	69.96	40.12	54.05
Type 23 - FC-V03	1	38.61	36.31	45.69
Type 23 - N-V03	1	38.61	39.30	42.29
Type 24S - FC-V03	1	66.9	35.24	44.03
Type 24S - F-V03	1	66.9	38.97	43.80
Type 24S - N-V03	1	66.9	29.67	28.63
Type 24S - R-V03	1	66.9	34.20	40.43
Type 01E - F-V01	1	48.91	49.12	59.20
Type 01E - R-V01	1	48.91	37.76	47.57
Type 01W - F-V01	1	48.91	50.02	60.63

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Type 06N - FC-V01	1	41.62	34.92	45.16
Type 08 - F-V01	1	53.26	50.37	61.70
Type 08 - R-V01	1	53.26	39.85	48.79
Type 10 - N-V03	1	69.98	40.11	42.88
Type 10 - R-V03	1	69.98	45.24	65.12
Type 12 - F-V01	1	54.26	52.42	62.92
Type 12 - R-V01	1	54.26	40.19	46.58
Type 15 - F-V01	1	37.37	52.59	64.36
Type 17 - FC-V01	1	66.37	24.73	28.81
Type 17 - R-V01	1	66.37	31.88	34.78
Type 19 - FC-V01	1	40.92	38.49	52.10
Type 19 - R-V01	1	40.92	45.61	54.63
Type 20N - FC-V01	1	41.66	40.11	49.17
Type 20N - R-V01	1	41.66	41.50	52.77
Type 20S -FC-V01	1	41.66	34.57	40.30
Type 20S - N-V01	1	41.66	28.69	27.08
Type 20S - R-V01	1	41.66	35.69	43.70
Type 21S - F-V03	1	69.96	48.03	62.29
Type 24N - FC-V03	1	66.9	41.19	56.37
Type 24N - N-V03	1	66.9	37.37	39.88
Type 24N - R-V03	1	66.9	41.03	52.58
Type 25S - F-V01	1	78.93	34.38	43.53
Type 25S - R-V01	1	78.93	33.70	39.23
Type 25S - FC-V01	1	78.93	35.60	43.53
Type 25N - F-V01	1	78.93	39.09	50.81
Type 25N - FC-V01	1	78.93	43.28	50.81
Type 25N - N-V01	1	78.93	35.85	37.30
Type 25N - R-V01	1	78.93	38.07	46.30
Type 26 - FC-V01	1	79.03	42.83	50.81
Type 26 - R-V01	1	79.03	47.55	55.79
Type 34 - R-V01	1	67.34	39.81	54.53
Type 27 - FC-V01	1	37.86	28.96	37.91
Type 27 - R-V01	1	37.86	27.65	37.76
Type 15 - R-V01	1	37.37	35.36	46.58
Type 14 - R-V03	1	84.08	34.23	46.58
Type 30S-V01	1	160.31	36.49	40.34
Totals:	103	6230.14	4,165.86	4,935.01
Average DFEE = 40.12 kWh/m²/yr			PASS	
Average TFEE = 47.35 kWh/m²/yr				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	F	**Issued on Date**	05/07/2019
Block Name	Block F		

Assessor Details	Mrs. Joanna Drane, Joanna Drane, Tel: 01202 654600, jodrane@hoarelea.com	**Assessor ID**	P623-0001
Client			

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DER

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DER ($kgCO_2/m^2$)	TER ($kgCO_2/m^2$)
Type 38 - N-V03	1	69	25.40	24.59
Type 38 - R-V03	1	69	27.98	28.42
Type 41 - N-V03	1	38.54	30.54	31.84
Type 41 - R-V03	1	38.54	31.64	35.64
Type 42N - F-V03	1	70.68	32.45	31.47
Type 43 - R-V03	1	49.79	27.46	29.90
Type 47 - FC-V03	1	35.96	31.21	37.28
Type 48 - FC-V03	1	41.94	31.13	32.16
Type 37 - FC-V01	1	78.58	27.92	28.38
Type 37 - N-V01	1	78.58	23.02	21.89
Type 37 - R-V01	1	78.58	27.21	27.28
Type 38 - FC-V03	1	69	27.08	27.86
Type 39 - FC-V03	1	75.84	27.73	28.17
Type 40 - N-V03	1	49.06	26.21	26.08
Type 42N - N-V03	1	70.68	29.66	28.90
Type 42N - R-V03	1	70.68	32.92	34.01
Type 42S - F-V03	1	70.68	27.94	27.45
Type 42S - N-V03	1	70.68	25.61	25.08
Type 42S - R-V03	1	70.68	28.54	29.99
Type 43 - N-V03	1	49.79	24.85	25.87
Type 43 - FC-V03	1	49.79	26.32	28.80
Type 44 - F-V03	1	52.96	29.64	32.06
Type 44 - N-V03	1	52.96	21.60	22.76
Type 44 - R-V03	1	52.96	27.88	28.12
Type 45 - N-V03	1	56.55	22.92	22.91
Type 45 - F-V03	1	56.55	26.14	27.49
Type 45 - R-V03	1	56.55	27.40	28.98
Type 46 - N-V03	1	79.54	22.83	22.09
Type 46 - F-V03	1	79.54	25.49	26.31
Type 46 - R-V03	1	79.54	26.51	28.51
Type 47 - N-V03	1	35.96	32.18	32.51
Type 47 - R-V03	1	35.96	33.44	38.57
Type 48 - N-V03	1	41.94	28.14	27.52
Type 48 - R-V03	1	41.94	30.83	33.17
Type 49 - N-V03	1	49.83	21.73	22.41
Type 49 - FC-V03	1	49.83	24.25	26.63
Totals:	36	2118.68	993.80	1,031.12
Average DER = 27.34 $kgCO_2/m^2$			PASS	
Average TER = 28.15 $kgCO_2/m^2$				

BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Compliance Report - DFEE

Block Reference: F		Block Name: Block F		
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)
Type 38 - N-V03	1	69	40.16	41.81
Type 38 - R-V03	1	69	43.98	54.53
Type 41 - N-V03	1	38.54	45.24	48.80
Type 41 - R-V03	1	38.54	46.08	61.61
Type 42N - F-V03	1	70.68	56.00	65.60
Type 43 - R-V03	1	49.79	41.52	50.85
Type 47 - FC-V03	1	35.96	39.73	53.13
Type 48 - FC-V03	1	41.94	41.95	53.69
Type 37 - FC-V01	1	78.58	45.14	58.50
Type 37 - N-V01	1	78.58	34.36	37.09
Type 37 - R-V01	1	78.58	41.51	54.73
Type 38 - FC-V03	1	69	43.32	52.82
Type 39 - FC-V03	1	75.84	44.80	57.00
Type 40 - N-V03	1	49.06	34.59	38.11
Type 42N - N-V03	1	70.68	51.31	56.88
Type 42N - R-V03	1	70.68	57.21	74.07
Type 42S - F-V03	1	70.68	47.04	52.08
Type 42S - N-V03	1	70.68	42.89	44.15
Type 42S - R-V03	1	70.68	48.52	60.63
Type 43 - N-V03	1	49.79	36.18	37.30
Type 43 - FC-V03	1	49.79	38.85	47.32
Type 44 - F-V03	1	52.96	47.99	59.90
Type 44 - N-V03	1	52.96	26.44	28.79
Type 44 - R-V03	1	52.96	38.42	46.73
Type 45 - N-V03	1	56.55	29.56	31.63
Type 45 - F-V03	1	56.55	36.16	47.06
Type 45 - R-V03	1	56.55	37.86	51.77
Type 46 - N-V03	1	79.54	33.64	36.89
Type 46 - F-V03	1	79.54	37.98	51.16
Type 46 - R-V03	1	79.54	39.75	58.03
Type 47 - N-V03	1	35.96	41.69	39.84
Type 47 - R-V03	1	35.96	43.97	56.68
Type 48 - N-V03	1	41.94	36.19	38.00
Type 48 - R-V03	1	41.94	41.39	57.06
Type 49 - N-V03	1	49.83	24.94	25.03
Type 49 - FC-V03	1	49.83	30.60	41.03
Totals:	36	2118.68	1,466.94	1,770.29
Average DFEE = 41.12 $kWh/m^2/yr$			PASS	
Average TFEE = 49.73 $kWh/m^2/yr$				

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