



Site	Chapel Street, Levenshulme, MANCHESTER, M19 3QB	Assessor	Daniel Goddard
Client	Burke Developments	Accreditation	CP52-0001
Date	18/12/2024	Tel	01925 733942
Ref	AG-77942-Design-Rev A	Web	www.andersongoddard.com
Drawing ref	23-1136(03)003	email	info@andersongoddard.com

Fabric Buildups, U-Values, Construction details, Air Permeability				Thermal Mass	Kappa
Ground Floor	120mm Kingspan K103 λ0.019	0.12 W/m²K	Suspended		75
Wall (main)	100mm Brick, 50mm cavity, 9mm OSB, 120mm PIR λ0.022 , 20mm low e cavity, 25mm PIR λ0.022 , Plaster board	0.17 W/m²K	Timber, plaster board		20
Party walls	Filled and sealed cavity	0.00 W/m²K	Timber, plaster board		20
Roof Warm (PIR)	150mm K107 λ0.019 between raters underdrawn with 60mm	0.11 W/m²K	Timber, plaster board		9
Windows	Double glazed, BFRC g-Value of => 0.35 (Window)	1.20 W/m²K			
Doors		1.00 W/m²K			
Air permeability	Test required to all plots to achieve 4.00m³ (50Pa)		Air test results for each plot		
Lintels	TBC				
Thermal Bridging	Thermal bridging details will need to be confirmed, assessment based on R2 values which cannot be used for the purposes of compliance			Photograph required for each junction	
Manufactures data sheets and BBA certificates to be provided for insulation to all areas, bricks & blocks, Timber Frame or other construction methodology / BRFC, BSI or CERTASS data to be provided for Windows and Doors					
Heating, Domestic Hot Water (DHW), Controls, Ventilation, Lighting, Renewable Technologies and Energy saving Technologies etc.			Evidence required, (geolocation photographs to show Location, date and time)		
Heating	Vaillant ecoTEC Plus 836, 36kW	Photograph to show identification label(s), including make/model and serial N°			
Emitter	Radiators				
Controls	Time and Temperature Zone Control	Data Sheet / Photograph of heating controls			
Heating Flow Temperature	<55°C	Heating Commissioning sheets or designs showing heating flow temperature			
Compensator	Delayed Start thermostat	Data Sheet / Photograph of heating controls			
Domestic Hot Water (DHW)	From Main System	Photograph of primary pipework continuity of insulation if applicable			
Mixer Showers	Flow rate =< 8 Litres /min	Photograph of each shower			
Electric Showers	none	Evidence of flow rate settings for each shower			
Ventilation	decentralised Mechanical Extract Ventilation (dMEV)	Photograph of Ventilation system, ductwork and insulation around ductwork			
Secondary heating	None	Photograph of secondary heating if applicable			
Gas/Electric meter	Smart Meters. Electric meter with export capability	Data sheet / Photograph of Electric/Gas Meter			
Photovoltaic	PV based on 400watt panels	Photograph of Photovoltaic installation, MCS certificate etc			
Photovoltaic Battery	None	Photograph of Photovoltaic installation, MCS certificate etc			
Appendix G (FGHRS / WWHRS)	Power-pipe waste water heat recovery	Data sheet / Photograph if applicable			
Appendix Q (other Tech)	None	Data sheet / Photograph if applicable			
LE lights	Based on LED light bulb or light fitting, Power - 10watt Efficacy - 85 Lumens per circuit watt	Manufactures datasheet for each light fitting & lighting schedule			
Overheating	Not Assessed, needs to be assessed for compliance to Approved Document Part O, simplified assessment or TM59 Dynamic assessment				

Property details				AD.L Volume 1 2021												Block Compliance								M & E		System 1					System 2								
Plot N°	Front (Road)	Side	Det	GIFA	DER	TER	DER / TER %	DER =< TER	DPER	TPER	DPER / TPER %	TPER =< TPER	DFEE	TFEE	DFEE / TFEE %	DFEE =< TFEE	SAP Rating	Band	DER x TFA	TER x TFA	DPER x TFA	TPER x TFA	DFEE x TFA	TFEE x TFA	Heating	DHW	Orient	Pitch	No Panels	Panel size (Watts)	PV Kw Peak (Kw)	Orient	Pitch	No Panels	Panel size (Watts)	PV Kw Peak (Kw)			
1	East	South	Semi	133.20	8.90	9.46	5.91%	PASS	46.98	49.37	4.84%	PASS	33.34	33.64	0.89%	PASS	93	A	1185.48	1260.07	6257.74	6576.08	4440.89	4480.85	ecoTEC Plus	Combi	West	45	6	400	2.40								
2	East	North	Semi	133.20	8.86	9.51	6.83%	PASS	46.86	49.66	5.63%	PASS	32.78	33.33	1.65%	PASS	93	A	1180.15	1266.73	6241.75	6614.71	4366.30	4439.56	ecoTEC Plus	Combi	West	45	6	400	2.40								
3	East	South	Semi	133.20	8.86	9.51	6.83%	PASS	46.86	49.66	5.63%	PASS	32.78	33.33	1.65%	PASS	93	A	1180.15	1266.73	6241.75	6614.71	4366.30	4439.56	ecoTEC Plus	Combi	West	45	6	400	2.40								
4	East	North	Semi	133.20	8.86	9.51	6.83%	PASS	46.86	49.66	5.63%	PASS	32.78	33.33	1.65%	PASS	93	A	1180.15	1266.73	6241.75	6614.71	4366.30	4439.56	ecoTEC Plus	Combi	West	45	6	400	2.40								
5	West	North	Semi	133.20	8.86	9.51	6.83%	PASS	46.86	49.66	5.63%	PASS	32.78	33.33	1.65%	PASS	93	A	1180.15	1266.73	6241.75	6614.71	4366.30	4439.56	ecoTEC Plus	Combi	East	45	6	400	2.40								
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Rev	Date	Description																																					

Please confirm fabric build ups, U-Values, g-Values, construction details and air permeability values used in preparation of the design stage assessment are correct, please also review and confirm the assumptions made in relation to Heating, DHW, Ventilation, Lighting, shower flow rates, renewable technologies etc used in preparation of the design stage SAP assessment are correct. The results and outcomes shown in this summary sheet are provided for information only and do not qualify as a design specification, the fabric and mechanical specification items will need to be verified and confirmed by design specialists. Datasheets for all fabric and mechanical specification items shown in the summary sheet will need to be provided once Architectural details and Mechanical, Electrical, Plumbing (MEP) designs have been completed. Once the specification has been confirmed please ensure that we are notified of any changes to the design to ensure that compliance is still achieved and that you are not building at risk.