

		High St, Eastleigh (Old Post Office)									
Building Regulations 2013 L2A											
Building Type	Address			As-Designed/ As-Built Drawings	SBEM Level	Weather File	EPC	BER	TER	BER/TER Improvement (%)	
A1: Retail	Unit 1, Postmark Place, 14 High Street, Eastleigh, SO50 5PJ			As Built (Shell and Core)	5	Southampton	A19	6.20	13.40	53.73%	
A2: Retail	Unit 2, Postmark Place, 14 High Street, Eastleigh, SO50 5PJ						A21				
B1: Retail	Unit 3, Postmark Place, 14 High Street, Eastleigh, SO50 5PJ						A18	9.40	17.40	45.98%	
B2: Retail	Unit 4, Postmark Place, 14 High Street, Eastleigh, SO50 5PJ						A22				
Construction Element	U-Value	Description (manufacturer, make and model)									
Ground Floor	0.10	75mm screed, 150mm Kingspan ThermoFloor TF70 insulation or similar, 225 reinforced concrete slab									
Exposed Floor	0.20	225mm Concrete, 160mm insulation (Rockwool Hi-Impact Soffit Slab (0.034W/mK), 6mm soffit board									
External Wall (EW01/EZ02)	0.16	102.5mm brickwork, 205mm rockwool cavity wall batt insulation (0.037W/mK), 100mm blockwork, 15mm knauf wallboard on dot and dab, 2mm skim finish									
External Wall (EW03)	0.17	102.5mm brickwork, 205mm cavity fully filled with Rockwool cavity batt insulation, 200mm concrete wall, 15mm dot and dab cavity, 15mm Knauf Wallboard, 2mm skim finish									
External Wall (EW05)	0.18	102.5mm brickwork, 85mm cavity, 120mm Knauf Insulation Rocksilk Rainscreen or equivalent, Breather membrane, 12.5mm Knauf Windliner, 90mm Knauf Insulation Omnifit Slab 35 or equivalent, VCL, 2 x 15mm Knauf Fire Panel									
Internal wall (INW05)	0.32	100mm blockwork, 75mm Rockwool insulation, 100mm blockwork									
Internal wall around core (INW02)	0.30	15mm Knauf Soundshield plus plasterboard lining, 10mm dots and dabs, 200mm reinforced concrete frame, 10mm cavity, 94mm Knauf OmniFit Roll 34 insulation between studs, 30mm Knauf Soundshield plus plasterboard lining									
Construction Element	U-Value	G Value	Frame Factor	Description (manufacturer, make and model)							
Windows	1.10	0.57	10%	Double glazed low-E, whole window U-Value (light transmittance 69%)							
Glazed Doors	1.10	0.57	10%	Double glazed low-E, whole window U-Value							
Solid Door	1.80	n/a	n/a	Whole door U-Value							
Construction Notes	U-Value	G Value	Frame Factor	Description (manufacturer, make and model)							
Construction Details				Accredited Construction Details used.							
Air-permability				3 m ³ /hr/m ²			To be tested at PC				
Heating and Cooling		System Details			Emitter		Controls				
Heating System		Electric heating			Electric panel heaters		Central time control and local temperature control				
Hot Water		System Details			Secondary Circulation	Circulation Losses (W/m)	Pump Power (kW)	Loop Length (m)	Storage Tank (l)	Storage Losses (kWh/l.day)	Delivery Efficiency
Hot Water System		Instantaneous electric water heating			-	-	-	-	-	-	1
Ventilation		System Details			SFP (W/l/s)	DCV Type	Heat Recovery	Heat Recovery Efficiency (%)	Heat Recovery Type	Variable HR	
Mechanical Ventilation		None			-	-	-	-	-	-	
Electrical Flow Control		Description									
Power Correction Factor		N	<0.9								
Separate Metering		N	Lighting, Heating, Cooling and Ventilation on separate meters								
Renewables		Description									
PV		N									
Solar Water Heating		N									
Wind Turbine		N									
Lighting		Description									
Lighting		Average light efficacy of 95lm/W In line with Part L 2021 minimum compliance									
Lighting Controls		Presence detectors in all areas in line with Part L 2021									
Parasitic Power		Parasitic power of <0.1W/m ² for shell areas									
Sign Off of details		Name	Elsa Withnell	Date	12.09.2024	By signing this document, I declare that the aforementioned details are all correct as per the final "as designed" specifications:		Name		Date	
								Sign			