

Old Post Office, Eastleigh



BRegs L1A 2013													
Option	Units	Exposed Floor	External Wall	Flat Roof	Windows	Heating System	Secondary Heating	Waste Water Heat Recovery	Renewables (PV)	Mechanical Ventilation	Air-Permeability	DER v TER improvement	DFEE vs TTEE improvement
Type	No.	U Value	U Value	U Value	U Value	Make	Y/N	Y/N	(kWp)	Type		%	%
Block A	10	0.20	0.16-0.18	0.15	1.10	Electric Panel Heaters	N	N	10.32	MVHR	As Tested	22.01%	15.70%
Block B	18	0.20	0.16-0.18	0.15	1.10	Electric Panel Heaters	N	Y	8.60	MVHR	As Tested	20.72%	18.62%

Element	U Values	Description							
Exposed Floor	0.20	225mm Concrete, 160mm insulation (Rockwool Hi-Impact Soffit Slab (0.034W/mK), 6mm soffit board							
External Wall - EW01/EW02	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 - EW04	0.18	Anvil Metal Cladding System, 50mm ventilated cavity, 200mm Knauf Rocksilk Rainscreen Slab (0.034W/mK), 12.5mm Knauf Windliner, 90mm Knauf OmniFit Slab 35, 25mm Knauf Fire Panel							
Flat Roof - terrace	0.15	40mm paving slab, 80mm drainage void, 150mm Soprema Sopratherm T flat roof board, 225mm concrete slab, 202mm service void, 93mm suspended sound insulated plasterboard ceiling							
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Windows - Block A	1.10	Double Glazed Argon Filled Low E - Frame factor and g-value 0.45							
Winodws - Block B	1.10	Double Glazed Argon Filled Low E - Frame factor and g-value 0.57							
External Door	-	Whole solid door u-value							
Construction Details (PSI values)	-	Accredited Construction Details psi-values have been assumed for all applicable junctions.							
Heating System	-	Electric panel heaters							
Controls	-	Programmer and room thermostat							
HW Cylinder	-	Immersion: OSO Hot Water - Super SXD Direct Unvented HWS Cylinder: SC120: Cylinder Volume: 109L, Standing Heat Loss: 1.05 (1 Bed flats); SC150: Cylinder Volume 142L, Standing Heat Loss 1.29 (2 Bed flats)							
Waste Water Heat Recovery	-	Block A: Not included; Block B: All flats have Recoup Easyfit + WWHR under baths - system B connected to baths only.							
Secondary Heating	N	N/A							
Mechanical Ventilation	-	Mechanical Ventilation and Heat Recovery: Vectaire WHHR Midi (Approved installation)							
Lighting	-	100% Low Energy Lighting - CFL or LED							
Renewables	-	PV Array: Block A - 10.32kWp, Block B 8.60kWp facing east west at 10 degrees, connected directly to dwellings							
Overheating	-								
Notes		Heated Corridors							
Sign Off of details	Name	PP M Maclean	Date	12.09.2024	On behalf of the contractor/client:	Name		Date	
	Sign	(on behalf of SF				Sign			