

3-7 Henry Road, Barnet



BRegs L1B 2013																					
Option	Units	External Wall	Sheltered Wall (Corridor)	Ground Floor	Roof	Windows	External Door	Primary Heating	Delayed Start Thermostat	Weather / load Compensator	Secondary Heating	HW Cylinder	Renewables (PV)	Renewables (Area)	Mechanical Ventilation	Air- Permeability	Proposed DER	Notional DER	% difference		
Type	Plot No	U Value	U Value	U Value	U Value	U Value	U Value	Make	Y/N	Y/N	Y/N	(litres)	(kWp)	m <sup>2</sup>	Type		kgCO2/m2/yr	kgCO2/m2/yr	%		
Ground floor studio	1	0.18	0.27	0.16	-	1.40	1.10	Vaillant ecoFIT pure 825 (combi)	N	N	N	-	N	-	Extract fans	5	32.54	40.88	20.40%		
Flats assessed under block compliance																					
Element		Proposed U Values		Description																	
External Outside Wall SAP Wall Type 1		0.18		100mm Blockwork walls with 100mm XtraTherm CavityTherm Fullfill insulation in between. 10mm plaster dabs and 15mm Soundbloc plasterboard on inside of wall and 25mm Ceresit CT177 render on outside.																	
Sheltered External Wall (Corridor) SAP Wall Type 2		0.27		100mm Blockwork walls fulfilled with 100mm RWA45 insulation in between. 10mm plaster dabs and 15mm Soundbloc plasterboard on inside of wall and 25mm render on outside.																	
Ground Floor SAP Floor Type 1		0.16		150mm well compacted granular material, 150mm concrete slab, DPM, 150mm Celotex FR5000, vapour control layer, 65mm sand&cement screed, timber floor with underlay.																	
Windows		1.40		Double glazed low-e windows with whole window U-value of 1.40.																	
External Door		1.10		FD30 doors with whole door U-value of 1.10.																	
Construction Details (PSI values)		-		Default Thermal Bridging Assumed.																	
Primary heating		-		Vaillant ecoFIT pure 825 combi boiler with auto ignition.																	
Controls		-		Programmer, room thermostat and TRVs.																	
Heating Emitters		-		Radiators.																	
Water Heating		-		From primary heating.																	
Secondary Heating		N		-																	
Mechanical Ventilation		Y		Standard extract fans in bathrooms and kitchens.																	
Lighting		-		100% LE lighting.																	
Renewables		N		-																	
Overheating		N		-																	
Notes																					
Sign Off of details		Name	(PP) M Maclean	12.04.2021							Name								Date		
		Sign								Sign	On behalf of the contractor/client:										