5-9 units and/or over 500 square metres

Energy				Location of justification / supporting Information		Further notes
1. Carbon Reductions				Document	Page/ section reference	**Local Plan CC1 & CC2, See Camden Planning Guidance (CPG) on Energy Efficiency for detailed guidance.**
	SAP10.2					
	Total tCO2e per annum	Stage reduction, tCO2	Stage reduction, %			
Baseline						
Be Lean		0.00	0.0%			Be lean should not exceed the baseline figure
Be Clean		0.00	0.0%			Relevant if connecting to District Heat Network only
Be Green		0.00	0.0%			Reduction in carbon from on site renewables, **Minimum 20% if over 500sqm**
TOTAL	**0.00**	**0.00**	**0.0%**			Maximum possible reduction onsite
Target	*0.00*	*0.00*	*100.0%*			Zero carbon in encouraged
Shortfall	0.00	0.00	100.0%			
2. Energy						
		Yes / No				**Local Plan policy CC1, CPG Energy Efficiency and Adaptation Cht 3**
a. Minimises energy use through application of the energy hierarchy?						Local Plan CC1
b. Passive design measures incorporated?						Local Plan CC1, refer to measures in *Camden Planning Guidance on Home Improvements - Appendix 1*
c. Meets all Building Regulation part L1 Limiting Fabric Parameters						Clearly justify if not met
d. Incorporates renewable technologies where feasible?		Viable (Yes /No)	Proposed (kW)	Expected tCO_2 saved per annum		A robust renewable feasibility assessment should be completed and installation of renewable technologies should be maximised. See chapter 5 of the CPG on Energy Efficiency and Adaptation.
i. Solar PV (photovoltaics)						Detail array size, layout drawings, maximise system size
ii. Solar Thermal (hot water)						
iii. Air Source Heat Pump						
iv. Ground Source Heat Pump						
v. Other please state						Details required technical details, CO2 savings, air quality impacts, visual or noise implications

Sustainability				Location of justification / supporting Information		Further notes
3. Overheating				Document	Page/ section reference	
Overheating & cooling		Yes / No				**Local Plan Policy CC2 & CPG Energy Efficiency and Adaptation Chapter 3.**
a. Applied cooling hierarchy, passive design measures included?						Additional guidance in GLA Energy Assessment Guidance Chapter 8.
b. Overheating - dynamic thermal modelling completed?						Design must be informed by the cooling hierarchy, passive design measure should be incorporated
c. Is active cooling proposed?						before any active cooling. It is not anticipated that active cooling will be required in new residential development.
4. Green infrastructure						
Green infrastructure and biodiversity		Area m^2				**Camden Local Plan Policy CC2, CPG Energy Efficiency and Adaptation Cht 10**
a. Green/blue roof						
b. Green roof						The Council will expect all developments to incorporate green infrastructure unless it is demonstrated this is not possible or appropriate. This includes new and existing buildings. Please refer to CPG Energy Efficiency and Adaptation chapter 10 for further details
c. Vegetated SuDs features i.e. Rain Gardens, Tree pits						
d. Other Green infrastructure please state:						
5. Water						
Water use efficiency		Response	Unit			**Local Plan CC3 + section 8.55 and CPG Water and Flooding Chapter 2.**
a. Water use per person per day (internal)			litres			Maximum 105 litres/person/day.
b. Water use per person per day (external) including irrigation			litres			Maximum 5 litres/ person / day. CPG Water and Flooding Chapter 2
6. Reducing Waste and the Circular Economy						
Material and waste		Response				**Local Plan Policy CC1, London Plan SI 7, CPG Energy Efficiency and Adaptation Cht 9**
a. Pre-demolition audit completed?						Substantial demolition must justify why the existing buildings can't be retained Local Plan policy CC1.
b. Whole life carbon assessment submitted? (see note)						Required if there is substantial demolition. Local Plan CC1
c. % of construction & demolition waste be reused/recycled?			%			85% of waste should be diverted from landfill and comply with the Institute for Civil Engineer's Demolition Protocol. (Local Plan CC2)
7. Adapting to Climate Change						**Expected for over 500spm of non-domestic floorspace. BREEAM Domestic Refurbishment 'Excellent' enc**
BREEAM - Overall		Score				**Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11**
a. Overall rating						At least BREEAM Excellent Is required for 500sqm or more of Non-domestic floorspace
b. Overall % score						More than 70% required to meet 'Excellent'
BREEAM - Categories		Available credits	Targeted	%		
c. Energy				0.0%		At least 60% of unweighted credits
d. Water				0.0%		At least 60% of unweighted credits
e. Materials				0.0%		At least 40% of unweighted credits

Additional comments / notes: