



Sustainability Statement - minor applications

Sustainability standards	Yes	No
A Net zero carbon		
1. Has the building fabric been designed to standards of ultra-low energy demand?	●	
A Timber Frame structure is being used for the main structure with high levels of insulation exceeding standard requirements (max 0.15 U-value). High level of air tightness. Compliance with a full SAPs calculation which will be conducted.		
2. Has thermal comfort and the risk of overheating been assessed and passive design measures been prioritised?	●	
Passive design is at the front of the design ethos. Steps to reduce solar gain in summer months, an overheating assessment will form part of the SAPs calculation. Insulation materials chosen for there low heat absorption to prevent over-heating. MVHR systems employed to maintain internal comfort.		
3. Is the development fossil fuel free?	●	
No Gas boilers. Air source heat pump for hot water/heating along with MVHR system to extract warm air and re-circulate. Solar PV to South elevation to power the heating system and electric appliances/electric car chargers.		
4. Will a net zero operational carbon balance be achieved and 100% of energy consumption delivered using renewables?	●	
That is certainly the intention and design ethos. The installation of Solar PV to the south elevation will greatly decrease the need for mains supply power. Energy monitoring will later be employed to test the development in while in use.		
5. Will embodied carbon emissions be minimised?	●	
The main structure will be a fully design Timber Frame system which is a fully sustainable and documented/traceable building method. Aluminium windows as opposed to UPVC and timber cladding are also present as sustainable building materials. The green roof captures CO2 throughout its lifespan. Natural materials to be used internally.		
B Travel		
1. Is home working supported?	●	
Space for home office use has been allowed for within the design either by converting the 4th bedroom or living areas.		
2. Has active travel been prioritised?	●	
The side access allows space for bike storage and/or electric scooters so that these are easily and quickly accessible while be stored in a secure location that is not visible from the street. The site is only 7mins walk from Woodstock town centre with great links to public transport and surrounding areas.		
3. Is shared mobility facilitated?	●	
Woodstock town centre is close enough that all of the local transport links running through Woodstock are a few minutes walk away.		
4. Will electric vehicle charging infrastructure be provided?	●	
A dedicate EV charger will be located to the west elevation so that it is both easily accessible and also visually removed from the street scene. External mains sockets will also be situated here to charge smaller forms of transport (electric bikes, scooters etc) while in a secure location.		
C Water		

1. Will water consumption be minimised?	<input checked="" type="radio"/>	
Water efficient fixtures will be installed throughout the property to minimise consumption at the outset. A rain water harvesting system will also be included to collect the rain water from the roof. The water will be used for external purposes throughout the spring/summer months.		
2. Will water be conserved through rainwater harvesting or grey water recycling?	<input checked="" type="radio"/>	
Water will be conserved via the installation of a rainwater harvester to collect all of the water form the main roof. As well as provide harvested water for other uses, this will also reduce the impact of excessive rain water from overwhelming the water sewage system during periods of heavy rain.		
3. Has the flood risk assessment accounted for climate change and is sustainable drainage proposed?	<input checked="" type="radio"/>	
The site is located in flood zone 1 which is classed as low risk from rivers and sea flooding. A low risk has been stated for surface water with a 0.1-1% chance of flooding each year which also allows for the current climate change predictions.		
D Waste		
1. Will the construction company be registered with the Considerate Construction Scheme?	<input type="radio"/>	<input checked="" type="radio"/>
The size of the project does not justify a registration to the scheme. However, the principles will be acknowledged and implemented on site throughout the construction process. Woodstock has an active community so it essential that the development focuses on maintaining a considerate scheme throughout the process.		
2. Will a Site Waste Management Plan be followed and targets set for construction waste recycling and disposal?	<input type="radio"/>	<input checked="" type="radio"/>
A site waste management plan will not be required due to the size of the project. Measures will be in place to reduce the amount of excess materials through quantity surveying.		
3. Will there be safe and convenient access to waste recycling?	<input checked="" type="radio"/>	
All waste will be stored in a designated area at the front of the site which has clear and easy access from New Road. Skips can be delivered and removed easily as well as providing access for grab lorries. Vehicles are able to drive further west along New Road to turn around in a few different locations.		
E Voluntary sustainability standards		
1. Will non-domestic development be BREEAM certified?	<input type="radio"/>	<input type="radio"/>
2. Will the development receive a sustainability accreditation and/or follow recognised sustainability principles?	<input checked="" type="radio"/>	
The design ethos is directed at sustainability and biodiversity through the use of the building fabric performance and renewable energys being installed. The green roof and wild planting that will be a feature of the rear garden space will aid biodiversity and well being. One Planet living set out a great framework which is aligned with the intention of the development.		
F Only for development affecting heritage assets or traditional buildings		
1. Have the heritage value of the building(s) and impact on any heritage asset been appropriately assessed?	<input type="radio"/>	<input type="radio"/>
2. Is a whole building approach being taken?	<input type="radio"/>	<input type="radio"/>
3. Will responsible retrofit measures be adhered to?	<input type="radio"/>	<input type="radio"/>